

SOMOS LUZ
WE ARE LIGHT
NOUS SOMMES LUMIÈRE

 **airfal**
INTERNATIONAL

CATÁLOGO / CATALOGUE

SOMOS LUZ
WE ARE LIGHT
NOUS SOMMES LUMIÈRE



CATÁLOGO / CATALOGUE

AIRFAL



HISTORIA

Airfal International nació hace más de 30 años de la mano de Fernando Ariza, que tenía alma de emprendedor y una dilatada experiencia como empresario. Hoy, en la segunda generación, la empresa que ha sabido adaptarse a las novedades tecnológicas, a la competencia nacional e Internacional y a los cambios constantes del mercado.

VISTAS AL FUTURO- PRODUCTO PARA CONDICIONES EXTREMAS

Si el pasado y el presente son buenos, el futuro de Airfal es ilusionante. Estamos centrados en la fabricación de iluminación ATEX, ya que somos pocos los fabricantes españoles de este tipo de luminarias. Además, nos hemos especializado en el desarrollo de iluminación para condiciones extremas, con modelos para zonas de muy altas temperaturas como hornos y campanas industriales o cámaras frigoríficas.

A día de hoy las luminarias de Airfal están presentes en casi todo el mundo, y la exportación supone más del 55% de nuestra facturación aunque esta cifra va en aumento y así se ha reflejado en los objetivos de la compañía.

HISTORY

Airfal International was founded over 30 ago by Fernando Ariza, who had a strong entrepreneurial spirit and extensive experience as a businessman. Today, the second generation is leading a company that has been able to successfully adapt to new technology, to national and international competition and to an ever-changing market.

LOOKING TO THE FUTURE – A PRODUCT FOR EXTREME CONDITIONS

If the past and present were bright, the future of Airfal is brighter. We are working on the manufacturing of ATEX lighting, and we are one of the few Spanish manufacturer producing this type of lighting. We have also specialised in the development of lighting for extreme conditions, including models for areas with very extreme temperatures such as industrial furnaces and hoods or cold-storage rooms.

Nowadays, Airfal lighting can be found throughout the world, and exports represent over 55% of our turnover, although this figure is on the rise and is reflected in the company's objectives.

HISTOIRE

Airfal International a été fondé il y a plus de 30 ans par Fernando Ariza, un entrepreneur dans l'âme possédant une vaste expérience des affaires. Actuellement dirigée par la deuxième génération, l'entreprise a su s'adapter aux nouveautés technologiques, à la concurrence nationale et internationale ainsi qu'à l'évolution constante du marché.

UNE VISION D'AVENIR – UN PRODUIT POUR CONDITIONS EXTRÊMES

Si Airfal peut se targuer d'un passé et d'un présent remarquables, son avenir s'annonce encore plus prometteur. Notre activité est centrée sur la fabrication de luminaires ATEX, étant un des seuls fabricants en Espagne. Nous nous sommes également spécialisés dans la conception de luminaires pour conditions extrêmes, avec des modèles destinés à une utilisation dans des zones exposées à de très hautes ou très basses températures, comme les fours et les hottes industrielles, ou les chambres froides.

À l'heure actuelle, les luminaires d'Airfal sont présents pratiquement partout dans le monde et les exportations représentent plus de 55 % de notre chiffre d'affaires. Ce chiffre est d'ailleurs en augmentation et cela se reflète dans les objectifs de l'entreprise.



EQUIPO AIRFAL

Nuestro equipo es nuestro mayor valor. La dedicación, entrega e ilusión de toda la plantilla es clave para que el trabajo salga delante de un modo satisfactorio. La formación constante y la gran flexibilidad del equipo permiten la adaptabilidad de los productos a la demanda de nuestros clientes y nos permiten estar en aquellos proyectos más complejos.

COMPROMISO SOCIAL, LA ESENCIA DE AIRFAL

Airfal es social desde sus inicios, con la estrecha colaboración con entidades sin ánimo de lucro que trabajan por la inserción social y laboral de personas con discapacidad intelectual. En la actualidad un total de 9 talleres ocupacionales montan las luminarias de alta rotación de Airfal y dos de ellos disponen de un taller ocupacional y un enclave laboral en las instalaciones centrales de la compañía. Airfal se vuelca en la Responsabilidad Social Corporativa e intenta impregnar todo lo que hace con esa filosofía social.

Tenemos la convicción de que estos más de 30 años son sólo los primeros capítulos de una larga historia en la que tenemos mucho que aportar y muchos hitos que alcanzar.

THE AIRFAL TEAM

Our team is our greatest asset. The dedication, commitment and enthusiasm of our entire workforce is key in ensuring that our work progresses satisfactorily. Ongoing training and the great flexibility of our team means that our products can be adapted to meet the requirements of our clients and enable us to work on highly complex projects.

SOCIAL RESPONSIBILITY, THE ESSENCE OF AIRFAL

Airfal has been committed to social responsibility from day one, which has included close cooperation with not-for-profit organisations that work in the field of social and labour integration for people with learning disabilities. Currently, a total of nine employment workshops assemble Airfal lights and have a high staff throughput; two of them include both an employment workshop and supported employment on site. Airfal is committed to corporate social responsibility and endeavours to apply its corporate philosophy to everything it does.

We are convinced that these first 30 years or so have been just the opening chapters of a long story in which we have a lot more to give and many more milestones to reach.

L'ÉQUIPE AIRFAL

Notre plus grande valeur est notre équipe. Le dévouement et l'enthousiasme de l'ensemble des employés sont essentiels pour travailler de manière satisfaisante. La formation permanente et la grande flexibilité de notre équipe nous permettent d'adapter nos produits à la demande de nos clients et de participer à des projets particulièrement complexes.

L'ENGAGEMENT SOCIAL, L'ESSENCE D'AIRFAL

L'engagement social d'Airfal se traduit depuis ses débuts par une étroite collaboration avec des organismes à but non lucratif qui œuvrent pour l'insertion sociale et professionnelle des personnes souffrant d'une déficience intellectuelle. À l'heure actuelle, Airfal travaille avec 9 ateliers professionnels pour l'assemblage de ses luminaires à haute rotation, dont deux d'entre eux disposent d'un atelier professionnel et d'une enclave pour l'emploi dans ses propres installations.

Airfal est fortement impliquée dans la démarche de responsabilité sociale des entreprises et s'efforce d'imprégner toutes ses actions de cette philosophie.

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 **airfal**
INTERNATIONAL

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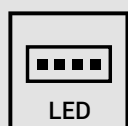
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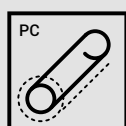
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Brida
Clamp
Collier



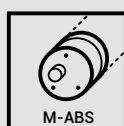
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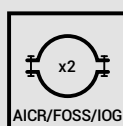
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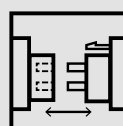
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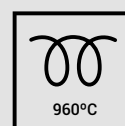
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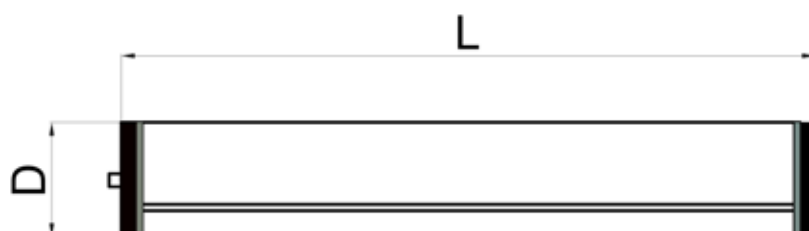
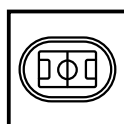


x2



960°C

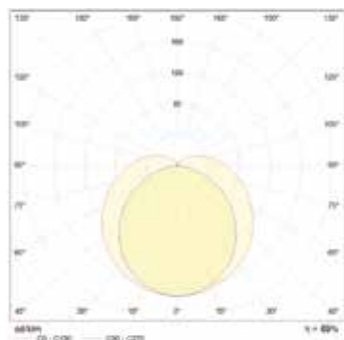
APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1	MACADAM 3/4	UGR <19	CR>80	L70B50 > 50.000	IK10	IP68-2	CE EN 60598-1
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Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	L	D	D + brida D+ clamp D+fixations	Embalaje Packaging Emballage
	(mm)	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
PE113	600	13	1490	1084	3000	721	100	120	1
PE114	600	13	1550	1127	4000	721	100	120	1
PE123	600	16	2560	1862	3000	721	100	120	1
PE124	600	16	2670	1942	4000	721	100	120	1
PE213	1200	24	2980	2168	3000	1235	100	120	1
PE214	1200	24	3200	2328	4000	1235	100	120	1
PE223	1200	32	5120	3724	3000	1235	100	120	1
PE224	1200	32	5340	3884	4000	1235	100	120	1
PE313	1500	29	3720	2706	3000	1581	100	120	1
PE314	1500	29	4000	2910	4000	1581	100	120	1
PE323	1500	40	6310	4590	3000	1581	100	120	1
PE324	1500	40	6700	4874	4000	1581	100	120	1

ACCESORIOS PEGASO / PEGASO ACCESSORIES / ACCESSOIRES PEGASO

Ref.	Q0349
Suspensión con cable de acero	
Steel cable suspension	
Suspension avec câble en acier	



Ref.	Q0840
Pieza anticavitación	
Anticavitation piece	
Kit anti-cavitation	



LÍNEA CONTINUA	3 polos / 3 poles / 3 pôles
CONTINUOUS LINE CONNECTION	
CÂBLAGE TRAVERSANT	5 polos / 5 poles / 5 pôles

1-10
DALI

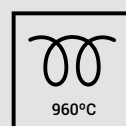
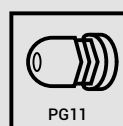
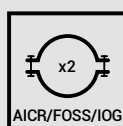
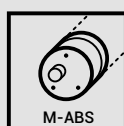
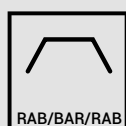
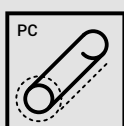
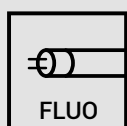
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1h / 3h

1.2

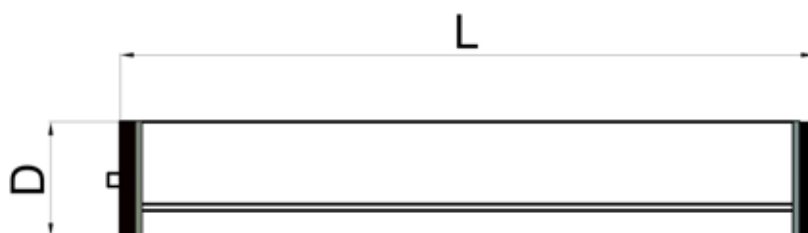
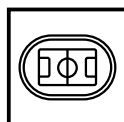
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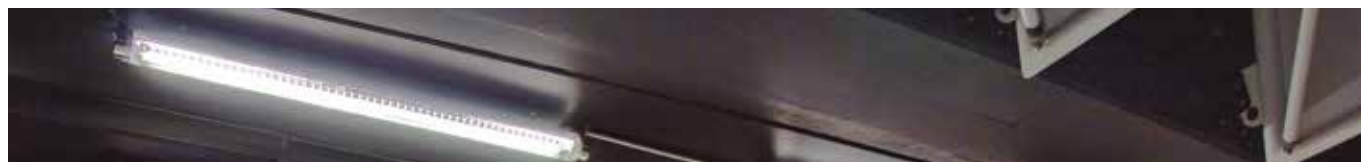
Brida
Clamp
Collier



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IK10

IP68-2

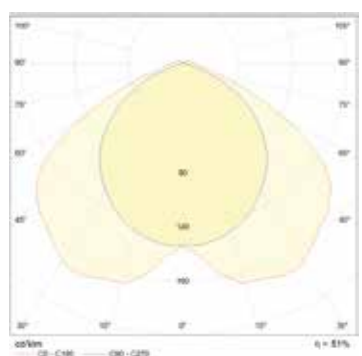
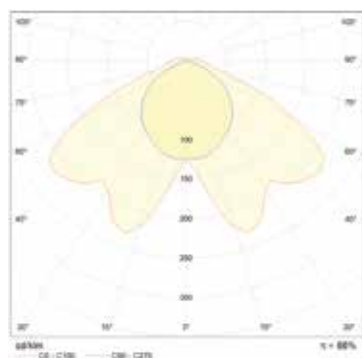
CE

EN 60598-1



TUBO FLUORESCENTE / LAMP / LAMPE

T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
Q0701	1 x 14	■	675	100	120	1
Q0705	1 x 24	■	675	100	120	1
Q0702	1 x 21	■	970	100	120	1
Q0706	1 x 39	■	970	100	120	1
Q0703	1 x 28	■	1.276	100	120	1
Q0708	1 x 54	■	1.276	100	120	1
Q0704	1 x 35	■	1.578	100	120	1
Q0707	1 x 49	■	1.578	100	120	1
Q0709	1 x 80	■	1.578	100	120	1
Q0719	2 x 14	■	675	100	120	1
Q0723	2 x 24	■	675	100	120	1
Q0720	2 x 21	■	970	100	120	1
Q0724	2 x 39	■	970	100	120	1
Q0721	2 x 28	■	1.276	100	120	1
Q0726	2 x 54	■	1.276	100	120	1
Q0722	2 x 35	■	1.578	100	120	1
Q0725	2 x 49	■	1.578	100	120	1

■ Electrónica / Electronic / Électronique

1.2

TR1

OPCIÓN CHAPA MICROPERFORADA

MICROPERFORATED TEEL PLATE OPTION
OPTION GRILLE MICROPERFORÉE

Ref luminaria + "C". Ej.: Q0714C

Light fitting ref + "C". Ex.: Q0714C

Ref luminaire + "C". Ex.: Q0714C



Potencia Watts Puissance
(W)
14-24
21-39
28-54
35-49-80

ACCESORIOS TR1 / TR1 ACCESORIES / ACCESSOIRES TR1



Ref.

Q0840

Pieza anticavitación
Anticavitation piece
Kit anti-cavitation



Q0349

Suspensión con cable de acero
Steel cable suspension
Suspension avec câble en acier

LÍNEA CONTINUA

CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

5 polos / 5 poles / 5 pôles

1-10
DALI

EMERGENCY
1h / 3h



1.3

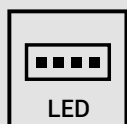
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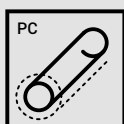
Brida
Clamp
Collier



ANTIVANDÁLICA / ANTIVANDALISM / ANTIVANDALISME



LED



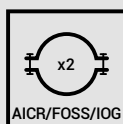
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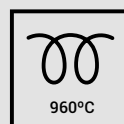
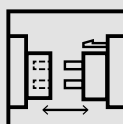
RAB/BAR/RAB



SS 304

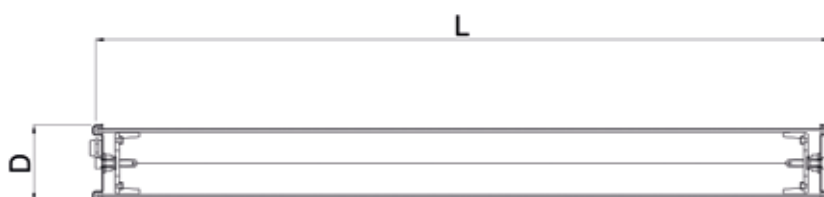
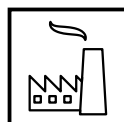
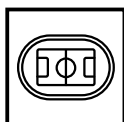
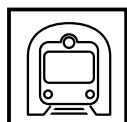


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AICR/FOSS/IOG



960°C

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG 0/1

MACADAM

3/4

UGR
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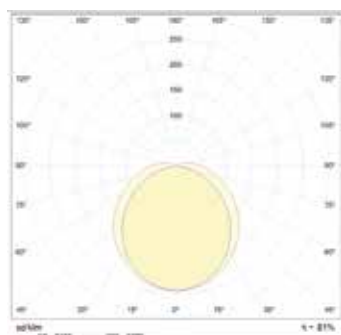
L70B50
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50.000

IK10

IP69K

CE

EN 60598-1



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	L	D	D + brida D + clamp D+fixations	Embalaje Packaging Emballage
	(mm)	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
MU113	600	13	1490	997	3000	763	100	120	1
MU114	600	13	1550	1037	4000	763	100	120	1
MU123	600	16	2560	1712	3000	763	100	120	1
MU124	600	16	2670	1786	4000	763	100	120	1
MU213	1200	24	2980	1993	3000	1375	100	120	1
MU214	1200	24	3200	2140	4000	1375	100	120	1
MU223	1200	32	5120	3424	3000	1375	100	120	1
MU224	1200	32	5340	3571	4000	1375	100	120	1
MU313	1500	29	3720	2488	3000	1660	100	120	1
MU314	1500	29	4000	2675	4000	1660	100	120	1
MU323	1500	40	6310	4220	3000	1660	100	120	1
MU324	1500	40	6700	4481	4000	1660	100	120	1

ACCESORIOS MUSTANG / ACCESSORIES MUSTANG / ACCESSOIRES MUSTANG



Ref. Q0349

Suspensión con cable de acero
Steel cable suspension
Suspension avec câble en acier



Ref. Q0347

Bridas de acero inoxidable con protección de caucho
Stainless steel clamps
Colliers inox antivandalisme



Ref. Q0338

Bridas de acero cincado
Zinc-plated steel clamps
Colliers en acier galvanisé



Ref. Q0110

Brida de polycarbonato
Polycarbonate clamp
Colliers en polycarbonate



Ref. Q0657

Tapa acero INOX 316
Stainless Steel 316 end caps
Emboutis INOX 316

LÍNEA CONTINUA
CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0570

5 polos / 5 poles / 5 pôles

Ref. Q0571

1-10
DALI

EMERGENCY
1h / 3h

1.4

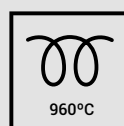
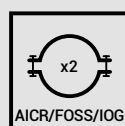
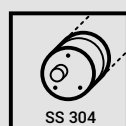
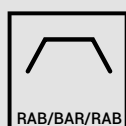
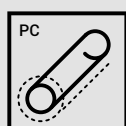
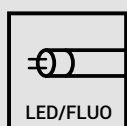
RINOX



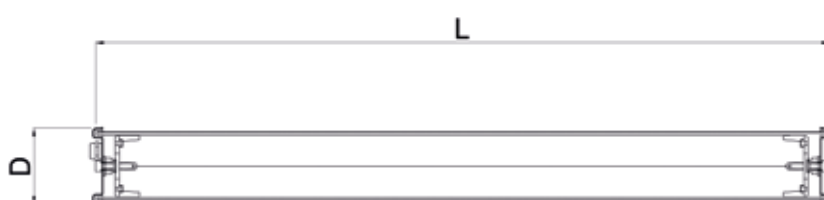
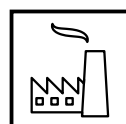
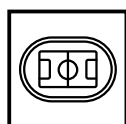
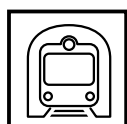
Brida
Clamp
Collier



ANTIVANDÁLICA / ANTIVANDALISM / ANTIVANDALISME



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

IK10

IP69K

CE

EN 60598-1

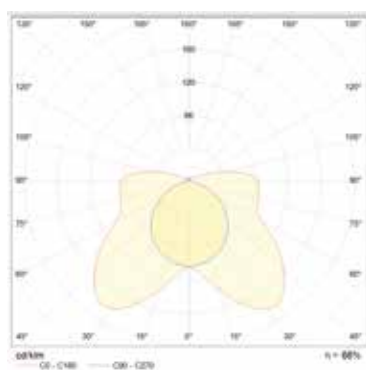


TUBO FLUORESCENTE / LAMP / LAMPE

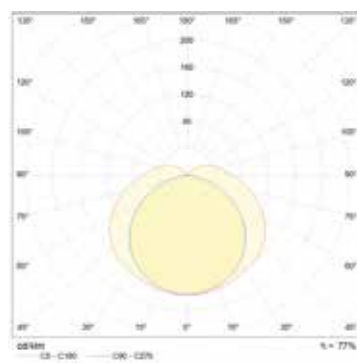
T8

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D+fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
Q0511	1 x 18	■	683	100	120	1
Q0513	1 x 36	■	1.293	100	120	1
Q0515	1 x 58	■	1.593	100	120	1
Q0517	2 x 18	■	683	100	120	1
Q0519	2 x 36	■	1.293	100	120	1
Q0521	2 x 58	■	1.593	100	120	1

■ Electrónica / Electronic / Électronique



1x



2x

1.4

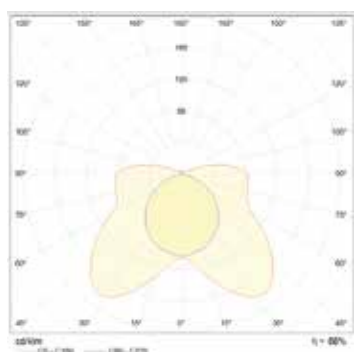
RINOX

TUBO FLUORESCENTE / LAMP / LAMPE

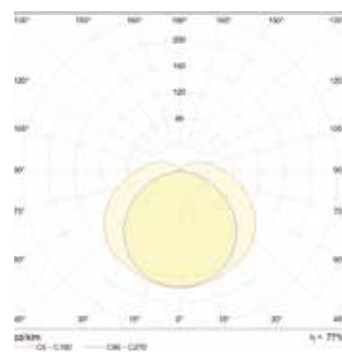
T5

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D+fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
Q0525	1 x 14	■	643	100	120	1
Q0533	1 x 24	■	643	100	120	1
Q0527	1 x 21	■	942	100	120	1
Q0535	1 x 39	■	942	100	120	1
Q0529	1 x 28	■	1.242	100	120	1
Q0539	1 x 54	■	1.242	100	120	1
Q0531	1 x 35	■	1.542	100	120	1
Q0537	1 x 49	■	1.542	100	120	1
Q0541	1 x 80	■	1.542	100	120	1
Q0543	2 x 14	■	643	100	120	1
Q0551	2 x 24	■	643	100	120	1
Q0545	2 x 21	■	942	100	120	1
Q0553	2 x 39	■	942	100	120	1
Q0547	2 x 28	■	1.242	100	120	1
Q0557	2 x 54	■	1.242	100	120	1
Q0549	2 x 35	■	1.542	100	120	1
Q0555	2 x 49	■	1.542	100	120	1

■ Electrónica / Electronic / Électronique



1x



2x



EN 60598-1

ALTAS TEMPERATURAS / HIGH TEMPERATURES / HAUTES TEMPÉRATURES

T8

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	D + brida D + clamp <i>D + fixations</i>	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	(mm)	
Q0559	1 x 18		683	100	120	1
Q0560	1 x 36		1.293	100	120	1
Q0561	1 x 58		1.593	100	120	1
Q0562	2 x 18		683	100	120	1
Q0563	2 x 36		1.293	100	120	1
Q0564	2 x 58		1.593	100	120	1

RINOX LED**TUBO LED / LED TUBE / TUBE LED**

Ref.	Longitud tubo Tube lenght <i>Longueur tube</i>	L	D	D + brida D + clamp <i>D + fixations</i>	Embalaje Packaging <i>Emballage</i>
	(mm)	(mm)	(mm)	(mm)	
Q0511L	1 x 600	683	100	120	1
Q0513L	1 x 1.200	1.293	100	120	1
Q0515L	1 x 1.500	1.593	100	120	1
Q0517L	2 x 600	683	100	120	1
Q0519L	2 x 1.200	1.293	100	120	1
Q0521L	2 x 1.500	1.593	100	120	1

1.4

RINOX

ACCESORIOS RINOX/ RINOX ACCESORIES / ACCESSOIRES RINOX

RINOX OPAL



Ref.

Potencia
Watts
Puissance

(W)

Ref luminaria + "O". Ej.: Q05110

Light fitting ref + "O". Ex.: Q05110

Ref luminaire + "O". Ex.: Q05110

18

36

58

14-24

21-39

28-54

35-49-80



Ref.

Q0349

Suspensión con cable de acero
Steel cable suspension
Suspension avec câble en acier



Q0656

Bridas de acero inoxidable con protección de caucho
Stainless steel clamps
Colliers inox antivandalisme



Q0159

Bridas de acero cincado
Zinc-plated steel clamps
Colliers en acier galvanisé



Q0153

Brida de policarbonato
Polycarbonate clamp
Colliers en polycarbonate



Q0657

Tapa acero INOX 316
Stainless Steel 316 end caps
Embouts INOX 316

LÍNEA CONTINUA

CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref Q0565

5 polos / 5 poles / 5 pôles

Ref. Q0566

1-10
DALI

EMERGENCY
1h / 3h



TR3

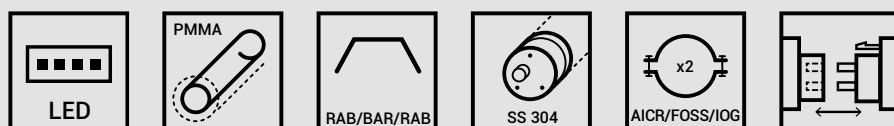
Residencia Estudiantes, Manresa, España. Luminaria TR3, por el arquitecto Xavier Tragant
Student housing, Manresa, Spain. TR3 luminaire, by Xavier Tragant architect
Foyer d'étudiants, Manresa, Espagne. TR3 luminaire, Xavier Tragant architecte

1.5

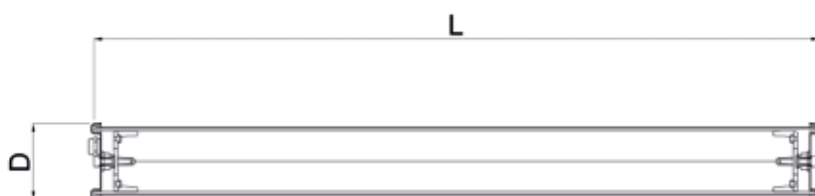
FARM LED



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APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



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RG 0/1

MACADAM

3/4

UGR
<19

CR>80

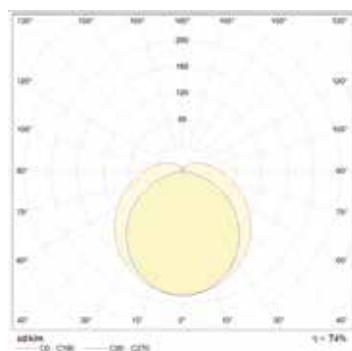
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IK10

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Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	L	D	D + brida D + clamp D+fixations	Embalaje Packaging Emballage
	(mm)	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
Q0795	600	13	1490	1155	3000	763	100	120	1
Q0899	600	13	1550	1201	4000	763	100	120	1
Q0900	600	16	2560	1984	3000	763	100	120	1
Q0955	600	16	2670	2070	4000	763	100	120	1
Q0796	1200	24	2980	2310	3000	1375	100	120	1
Q0957	1200	24	3200	2480	4000	1375	100	120	1
Q0958	1200	32	5120	3969	3000	1375	100	120	1
Q0959	1200	32	5340	4139	4000	1375	100	120	1
Q0797	1500	29	3720	2883	3000	1660	100	120	1
Q0961	1500	29	4000	3100	4000	1660	100	120	1
Q0962	1500	40	6310	4891	3000	1660	100	120	1
Q0963	1500	40	6700	5193	4000	1660	100	120	1

ACCESORIOS FARM / FARM ACCESSORIES / ACCESSOIRES FARM /



Ref.

Q0349

**Suspensión con cable
de acero**

Steel cable suspension
Suspension avec câble
en acier



Q0401

**Bridas de acero
inoxidable**

Stainless steel clamps
Colliers inox antivanda-
lisme



Q0159

Bridas de acero cincado

Zinc-plated steel
clamps
Colliers en acier galva-
nisé



Q0158

Brida de metacrilato

Antivandalic acrylic
Colliers en méthacrylate



Q0657

Tapa acero INOX 316
Stainless Steel 316 end
caps
Embouts INOX 316

LÍNEA CONTINUA

CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0570

5 polos / 5 poles / 5 pôles

Ref. Q0571

1-10
DALI

EMERGENCY
1h / 3h

1.6

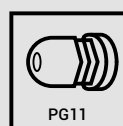
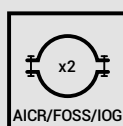
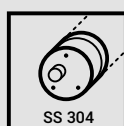
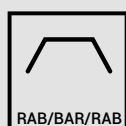
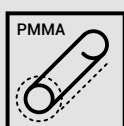
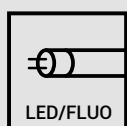
FARM



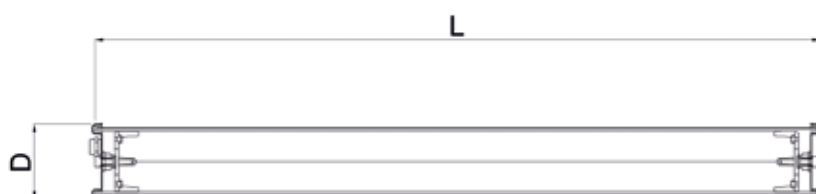
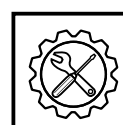
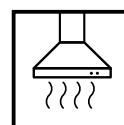
Brida
Clamp
Collier



ANTIVANDÁLICA / ANTIVANDALISM / ANTIVANDALISME



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



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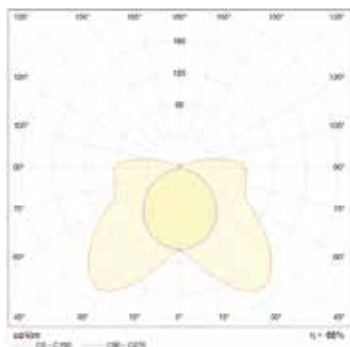


TUBO FLUORESCENTE / LAMP / LAMPE

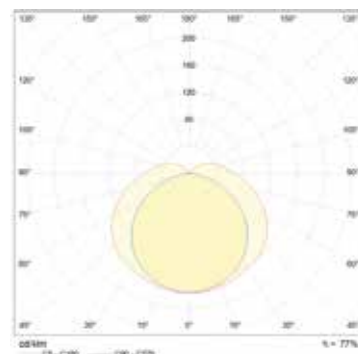
T8

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	D + brida D + clamp <i>D+fixations</i>	Embalaje Packaging <i>Carton</i>
	(W)		(mm)	(mm)	(mm)	
Q0741	1 x 18	■	683	100	120	1
Q0743	1 x 36	■	1293	100	120	1
Q0745	1 x 58	■	1593	100	120	1
Q0747	2 x 18	■	683	100	120	1
Q0749	2 x 36	■	1293	100	120	1
Q0751	2 x 58	■	1593	100	120	1

■ Electrónica / Electronic / Électronique



1x



2x

1.6

FARM

TUBO FLUORESCENTE / LAMP / LAMPE

T5

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	D + brida D + clamp <i>D+fixations</i>	Embalaje Packaging <i>Carton</i>
	(W)		(mm)	(mm)	(mm)	
Q0755	1 x 14	■	643	100	120	1
Q0763	1 x 24	■	643	100	120	1
Q0757	1 x 21	■	942	100	120	1
Q0765	1 x 39	■	942	100	120	1
Q0759	1 x 28	■	1242	100	120	1
Q0769	1 x 54	■	1242	100	120	1
Q0771	1 x 80	■	1242	100	120	1
Q0761	1 x 35	■	1542	100	120	1
Q0767	1 x 49	■	1542	100	120	1
Q0773	2 x 14	■	643	100	120	1
Q0781	2 x 24	■	643	100	120	1
Q0783	2 x 39	■	942	100	120	1
Q0775	2 x 21	■	942	100	120	1
Q0787	2 x 54	■	1242	100	120	1
Q0777	2 x 28	■	1242	100	120	1
Q0779	2 x 35	■	1542	100	120	1
Q0785	2 x 49	■	1542	100	120	1

■ Electrónica / Electronic / Électronique

TUBO LED / LED TUBE / TUBE LED

T8

Ref.	Longitud tubo Tube lenght <i>Longueur tube</i>	L	D	D + brida D + clamp <i>D + fixations</i>	Embalaje Packaging <i>Carton</i>
	(mm)	(mm)	(mm)	(mm)	
Q0741L	1 x 600	683	100	120	1
Q0743L	1 x 1200	683	100	120	1
Q0745L	1 x 1500	1293	100	120	1
Q0747L	2 x 600	683	100	120	1
Q0749L	2 x 1200	683	100	120	1
Q0751L	2 x 1500	1293	100	120	1

IK10

IP69K

CE

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ALTAS TEMPERATURAS / HIGH TEMPERATURES / HAUTES TEMPÉRATURES



T8

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Carton
	(W)		(mm)	(mm)	(mm)	
Q0789	1 x 18		709	100	120	1
Q0790	1 x 36		1.319	100	120	1
Q0791	1 x 58		1.624	100	120	1
Q0792	2 x 18		709	100	120	1
Q0798	2 x 36		1293+671	100	120	1
Q0799	2 x 58		1593+671	100	120	1

Altas temperaturas / High temperatures / Hautes Températures



2 X 36

2 X 58

Manguera de unión: 50 cm

Union hose: 50 cm

Câble d'union: 50 cm

ACCESORIOS FARM / FARM ACCESSORIES / ACCESSOIRES FARM /



Ref. Q0349

Suspensión con cable de acero

Steel cable suspension
Suspension avec câble en acier

Q0401

Bridas de acero inoxidable

Stainless steel clamps
Colliers inox antivandalisme

Q0159

Bridas de acero cincado

Zinc-plated steel clamps
Colliers en acier galvanisé

Q0158

Brida de metacrilato

Antivandalic acrylic
Colliers en méthacrylate

Q0657

Tapa acero INOX 316

Stainless Steel 316 end caps
Embouts INOX 316

LÍNEA CONTINUA

CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0793

5 polos / 5 poles / 5 pôles

Ref. Q0794

1-10
DALIEMERGENCY
1h / 3h



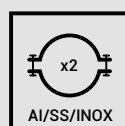
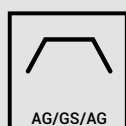
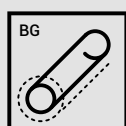
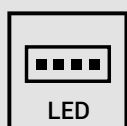


1.7

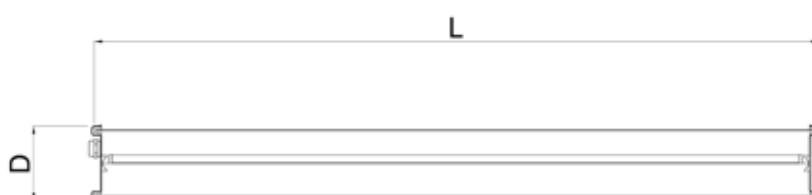
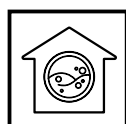
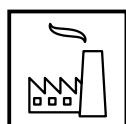
RANGE



ANTIVANDÁLICA / ANTIVANDALISM / ANTIVANDALISME



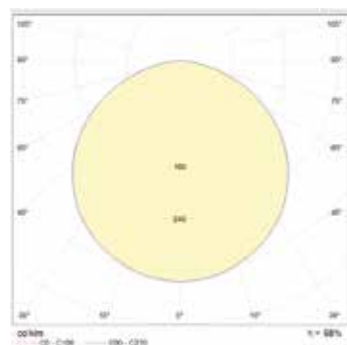
APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1	MACADAM 3/4	UGR <19	CR>80	L70B50 > 50.000	IK07	IP69K	CE EN 60598-1
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Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(mm)	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
RA113	600	13	1490	1480	3000	740	105	133	1
RA114	600	13	1550	1540	4000	740	105	133	1
RA123	600	16	2560	2544	3000	740	105	133	1
RA124	600	16	2670	2653	4000	740	105	133	1
RA213	1200	24	2980	2961	3000	1340	105	133	1
RA214	1200	24	3200	3180	4000	1340	105	133	1
RA223	1200	32	5120	5087	3000	1340	105	133	1
RA224	1200	32	5340	5306	4000	1340	105	133	1
RA313	1500	29	3720	3696	3000	1640	105	133	1
RA314	1500	29	4000	3974	4000	1640	105	133	1
RA323	1500	40	6310	6270	3000	1640	105	133	1
RA324	1500	40	6700	6657	4000	1640	105	133	1

ACCESORIOS RANGE / ACCESSORIES RANGE / ACCESSOIRES RANGE

Ref.	Q0349
Suspensión con cable de acero Steel cable suspension Suspension avec câble en acier	



LÍNEA CONTINUA CONTINUOUS LINE CONNECTION CÂBLAGE TRAVERSANT	3 polos / 3 poles / 3 pôles	Ref. Q0572
	5 polos / 5 poles / 5 pôles	Ref. Q0573

1-10 DALI	EMERGENCY 1h / 3h
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1.8

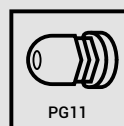
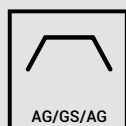
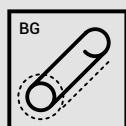
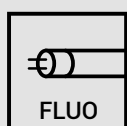
CHEMICAL



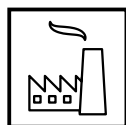
Brida
Clamp
Collier



ANTIVANDÁLICA / ANTIVANDALISM / ANTIVANDALISME



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

IK07

IP69K

CE

EN 60598-1



TUBO FLUORESCENTE / LAMP / LAMPE

T8

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	D + brida D + clamp <i>D + fixations</i>	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	(mm)	
Q0937	1 x 18	■	714	105	133	1
Q0938	1 x 36	■	1324	105	133	1
Q0942	1 x 58	■	1934	105	133	1

■ Electrónica / Electronic / *Électronique*



ALTAS TEMPERATURAS / HIGH TEMPERATURES / HAUTES TEMPÉRATURES

T8

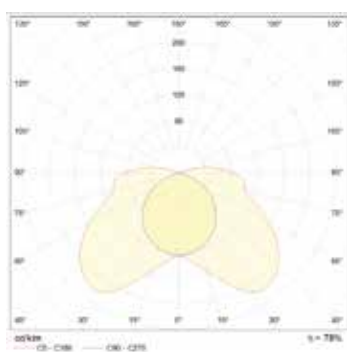
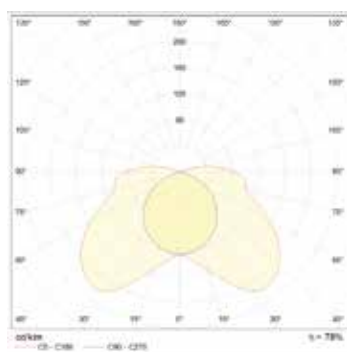
Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	D + brida D + clamp <i>D + fixations</i>	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	(mm)	
Q0939	1 x 18	⚠	720	105	133	1
Q0940	1 x 36	⚠	1.328	105	133	1
Q0941	1 x 58	⚠	1.934	105	133	1

1.8

CHEMICAL

TUBO FLUORESCENTE / LAMP / LAMPE

T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
Q0901	1 x 14	■	674	105	133	1
Q0905	1 x 24	■	674	105	133	1
Q0902	1 x 21	■	974	105	133	1
Q0906	1 x 39	■	974	105	133	1
Q0903	1 x 28	■	1.274	105	133	1
Q0908	1 x 54	■	1.274	105	133	1
Q0904	1 x 35	■	1.574	105	133	1
Q0907	1 x 49	■	1.574	105	133	1
Q0909	1 x 80	■	1.574	105	133	1
Q0919	2 x 14	■	674	105	133	1
Q0923	2 x 24	■	674	105	133	1
Q0920	2 x 21	■	974	105	133	1
Q0924	2 x 39	■	974	105	133	1
Q0921	2 x 28	■	1.274	105	133	1
Q0926	2 x 54	■	1.274	105	133	1
Q0922	2 x 35	■	1.574	105	133	1
Q0925	2 x 49	■	1.574	105	133	1

■ Electrónica / Electronic / Électronique

ACCESORIOS CHEMICAL / ACCESSORIES CHEMICAL / ACCESSOIRES CHEMICAL



Ref. Q0349

Suspensión con cable de acero
Steel cable suspension
Suspension avec câble en acier

LÍNEA CONTINUA
CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

5 polos / 5 poles / 5 pôles

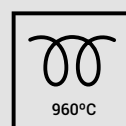
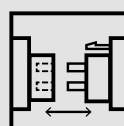
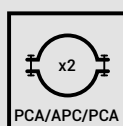
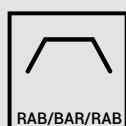
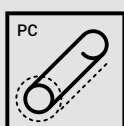
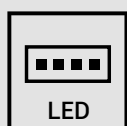
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DALI

EMERGENCY
1h / 3h

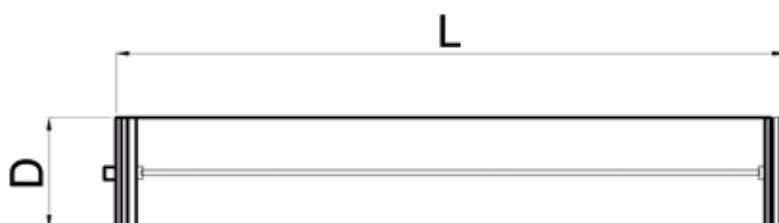
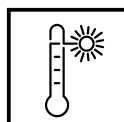
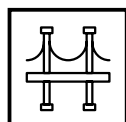
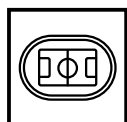


1.9

THUNDER



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

RG 0/1

MACADAM

3/4

UGR
<19

CR>80

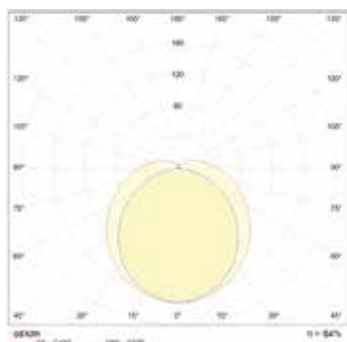
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IK10

IP68-2

CE

EN 60598-1



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(mm)	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
TH113	600	13	1490	997	3000	709	83	113	1
TH114	600	13	1550	1037	4000	709	83	113	1
TH123	600	16	2560	1712	3000	709	83	113	1
TH124	600	16	2670	1786	4000	709	83	113	1
TH213	1200	24	2980	1993	3000	1319	83	113	1
TH214	1200	24	3200	2140	4000	1319	83	113	1
TH223	1200	32	5120	3424	3000	1319	83	113	1
TH224	1200	32	5340	3571	4000	1319	83	113	1
TH313	1500	29	3720	2488	3000	1574	83	113	1
TH314	1500	29	4000	2675	4000	1574	83	113	1
TH323	1500	40	6310	4220	3000	1574	83	113	1
TH324	1500	40	6700	4481	4000	1574	83	113	1

ACCESORIOS THUNDER / THUNDER ACCESORIES / ACCESSOIRES THUNDER



Ref.

Q0349

Suspensión con cable de acero
Steel cable suspension
Suspension avec câble en acier



Q0655

Bridas de acero inoxidable
Stainless steel clamps
Colliers inox antivandalisme



Q0109

**Bridas de acero inoxidable de
apertura rápida**
Quick opening stainless steel
clamps
Colliers inox de ouverture rapide
à grenouillère



Q0159

Bridas de acero cincado
Zinc-plated steel clamps
Colliers en acier galvanisé

Ref.

Q0147

Pieza anticavitación
Anticavitation piece
Kit anti-cavitation



LÍNEA CONTINUA

CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0574

5 polos / 5 poles / 5 pôles

Ref. Q0575

1-10
DALI

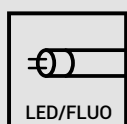
EMERGENCY
1h / 3h

1.10

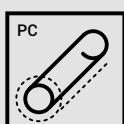
RESIST



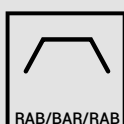
Brida
Clamp
Collier



LED/FLUO



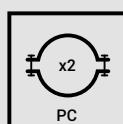
PC



RAB/BAR/RAB

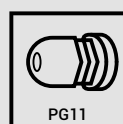


ZAMAK-Ni

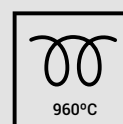


x2

PC

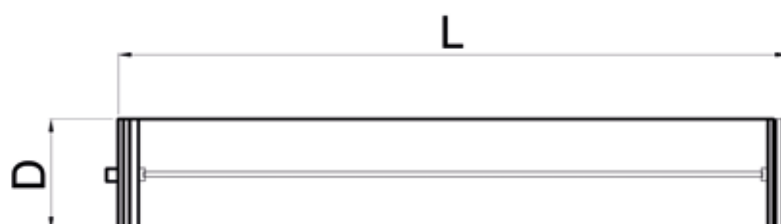
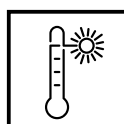
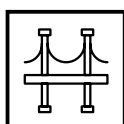
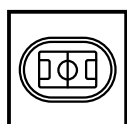


PG11



960°C

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IK10

IP68-2

CE

EN 60598-1

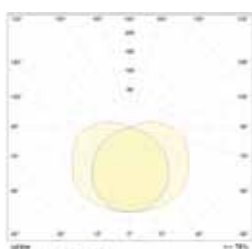


TUBO FLUORESCENTE / LAMP / LAMPE

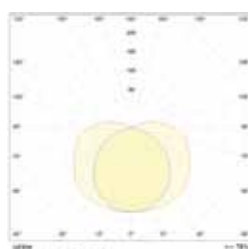
T8

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	D + brida D + clamp <i>D + fixations</i>	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	(mm)	
Q0601	1 x 18	■	709	83	113	1
Q0602	1 x 36	■	1.319	83	113	1
Q0603	1 x 58	■	1.624	83	113	1
Q0604	2 x 18	■	709	83	113	1
Q0605	2 x 36	■	1.319	83	113	1
Q0606	2 x 58	■	1.624	83	113	1

■ Electrónica / Electronic / Électronique



1x



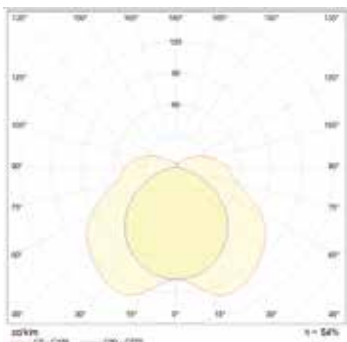
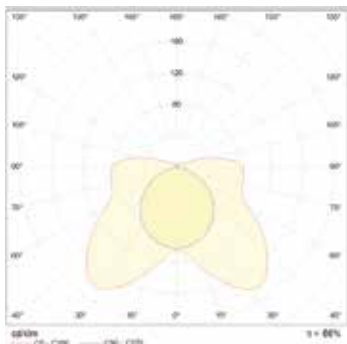
2x

1.10

RESIST

TUBO FLUORESCENTE / LAMP / LAMPE

T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
Q0613	1 x 14	■	671	83	113	1
Q0617	1 x 24	■	671	83	113	1
Q0614	1 x 21	■	966	83	113	1
Q0618	1 x 39	■	966	83	113	1
Q0615	1 x 28	■	1.272	83	113	1
Q0620	1 x 54	■	1.272	83	113	1
Q0616	1 x 35	■	1.574	83	113	1
Q0619	1 x 49	■	1.574	83	113	1
Q0621	1 x 80	■	1.574	83	113	1
Q0631	2 x 14	■	671	83	113	1
Q0635	2 x 24	■	671	83	113	1
Q0632	2 x 21	■	966	83	113	1
Q0636	2 x 39	■	966	83	113	1
Q0633	2 x 28	■	1.272	83	113	1
Q0638	2 x 54	■	1.272	83	113	1
Q0634	2 x 35	■	1.574	83	113	1
Q0637	2 x 49	■	1.574	83	113	1

■ Electrónica / Electronic / Électronique

ALTAS TEMPERATURAS / HIGH TEMPERATURES / HAUTES TEMPÉRATURES



T8

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
Q0640	1 x 18	⚠	709	83	113	1
Q0641	1 x 36	⚠	1.319	83	113	1
Q0642	1 x 58	⚠	1.624	83	113	1
Q0643	2 x 18	⚠	709	83	113	1
Q0644	2 x 36	⚠	1.319	83	113	1
Q0645	2 x 58	⚠	1.624	83	113	1

El Policarbonato no soporta los hidrocarburos y grasas o aceites de cocina. Producto NO apto para su instalación en campanas extractoras / Polycarbonate lightfittings don't allow hydrocarbons

Le polycarbonate ne convient pas pour une utilisation en présence d'air qui contient des hydrocarbures ou en présence de graisses ou d'huiles de cuisine. Ce luminaire n'est pas approprié pour son installation dans les hottes de cuisines industrielles.

IK10

IP68-2



EN 60598-1

RESIST TUBO LED



Brida
Clamp
Collier



TUBO LED / LED TUBE / TUBE LED

Ref.	Longitud tubo Tube lenght Longueur tube	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(mm)	(mm)	(mm)	(mm)	
Q0601L	1 x 600	709	83	113	1
Q0602L	1 x 1.200	1.319	83	113	1
Q0603L	1 x 1.500	1.624	83	113	1
Q0604L	2 x 600	709	83	113	1
Q0605L	2 x 1.200	1.319	83	113	1
Q0606L	2 x 1.500	1.624	83	113	1

1.10

RESIST

RESIST OPAL



Ref.	Potencia Watts Puissance
	(W)
	18
Ref luminaria + "O".	36
Ej.: Q06010	58
Light fitting ref + "O".	14-24
Ex.: Q06010	21-39
Ref luminaire + "O".	28-54
Ex.: Q06010	35-49-80

ACCESORIOS RESIST / RESIST ACCESSORIES / ACCESSOIRES RESIST



Ref.

Q0156

Bridas de acero inoxidable de apertura rápida
Quick opening stainless steel clamps
Colliers inox de ouverture rapide à grenouillère



Q0655

Bridas de acero inoxidable
Stainless steel clamps
Colliers inox antivandalisme



Q0159

Bridas de acero cincado
Zinc-plated steel clamps
Colliers en acier galvanisé



Ref.

Q0160

Válvula anticondensación y de equilibrado de presión
Anticondensation valve and pressure balancing
Valve anti-condensation et équilibrage de pression



Q0349

Suspensión con cable de acero
Steel cable suspension
Suspension avec câble en acier



Q0147

Pieza anticavitación
Anticavitation piece
Kit anti-cavitation

LÍNEA CONTINUA

CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0404

5 polos / 5 poles / 5 pôles

Ref. Q0406

1-10
DALI

EMERGENCY
1h / 3h





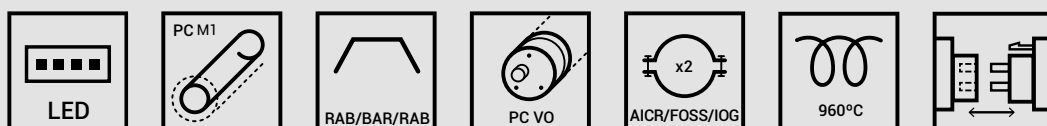


RESIST

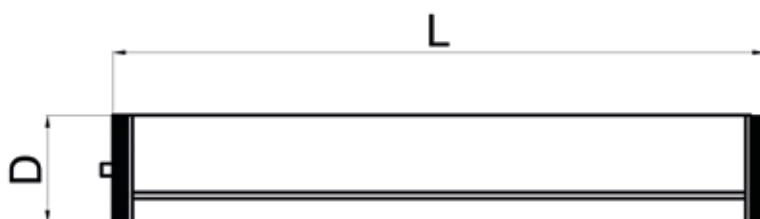
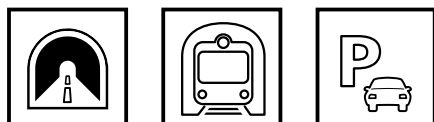
Túnel peatonal, Zaragoza, España
Pedestrian tunnel, Zaragoza, Spain
Tunnel pour piétonnier, Saragosse, Espagne

1.11

TUNNEL LED



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG 0/1

MACADAM

3/4

UGR
<19

CR>80

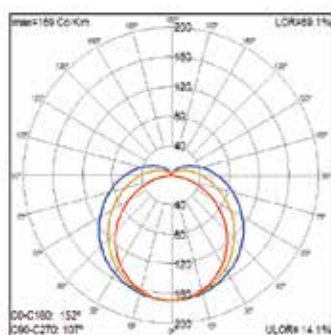
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IP68-2

IK10

CE

EN 60598-1



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(mm)	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
TU113	600	13	1490	1084	3000	788	100	133	1
TU114	600	13	1550	1127	4000	788	100	133	1
TU123	600	16	2560	1862	3000	788	100	133	1
TU124	600	16	2670	1942	4000	788	100	133	1
TU213	1200	24	2980	2168	3000	1302	100	133	1
TU214	1200	24	3200	2328	4000	1302	100	133	1
TU223	1200	32	5120	3724	3000	1302	100	133	1
TU224	1200	32	5340	3884	4000	1302	100	133	1
TU313	1500	29	3720	2706	3000	1648	100	133	1
TU314	1500	29	4000	2910	4000	1648	100	133	1
TU323	1500	40	6310	4590	3000	1648	100	133	1
TU324	1500	40	6700	4878	4000	1648	100	133	1

ACCESORIOS TUNNEL LED

ACCESORIES TUNNEL LED

ACCESSOIRES TUNNEL LED



Ref.

Q0349

Suspensión con cable de acero
Steel cable suspension
Suspension avec câble en acier



Q0156

Bridas de acero inoxidable de apertura rápida
Quick opening stainless steel clamps
Colliers inox de ouverture rapide à grenouillère



Q0840

Pieza anticavitación
Anticavitation piece
Kit anti-cavitation

LÍNEA CONTINUA
CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0970

5 polos / 5 poles / 5 pôles

Ref. Q0971

1-10
DALI

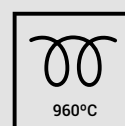
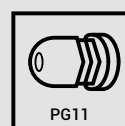
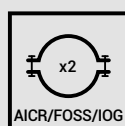
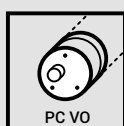
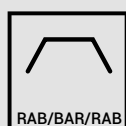
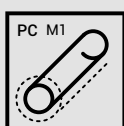
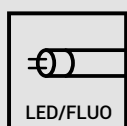
EMERGENCY
1h / 3h

1.12

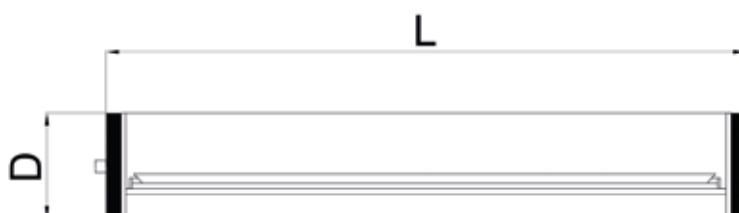
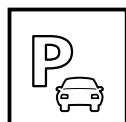
TUNNEL



Brida
Clamp
Collier



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IK10

IP68-2

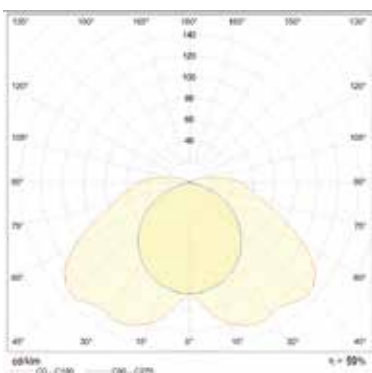
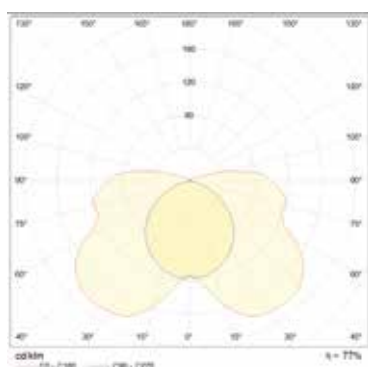
CE

EN 60598-1



TUBO FLUORESCENTE / LAMP / LAMPE

T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
Q0801	1 x 14	■	675	105	133	1
Q0805	1 x 24	■	675	105	133	1
Q0802	1 x 21	■	970	105	133	1
Q0806	1 x 39	■	970	105	133	1
Q0803	1 x 28	■	1276	105	133	1
Q0808	1 x 54	■	1276	105	133	1
Q0804	1 x 35	■	1.578	105	133	1
Q0807	1 x 49	■	1.578	105	133	1
Q0809	1 x 80	■	1.578	105	133	1
Q0819	2 x 14	■	675	105	133	1
Q0823	2 x 24	■	675	105	133	1
Q0820	2 x 21	■	970	105	133	1
Q0824	2 x 39	■	970	105	133	1
Q0821	2 x 28	■	1276	105	133	1
Q0826	2 x 54	■	1.276	105	133	1
Q0822	2 x 35	■	1.578	105	133	1
Q0825	2 x 49	■	1.578	105	133	1

■ Electrónica / Electronic / Électronique

1.12

TUNNEL

TUBO LED / LED TUBE / TUBE LED

T8

Ref.	Longitud tubo Tube lenght Longueur tube	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(mm)	(mm)	(mm)	(mm)	
Q0801L	1 x 600	721	105	133	1
Q0802L	1 x 900	1.055	105	133	1
Q0803L	1 x 1.200	1.321	105	133	1
Q0804L	1 x 1.500	1.581	105	133	1
Q0805L	2 x 600	721	105	133	1
Q0806L	2 x 900	1.055	105	133	1
Q0807L	2 x 1.200	1.321	105	133	1
Q0808L	2 x 1.500	1.581	105	133	1

ACCESORIOS TUNNEL/ TUNNEL ACCESORIES/ TUNNEL ACCESSOIRES



Ref. Q0349
Suspensión con cable de acero
Steel cable suspension
Suspension avec câble en acier



Q0156
Bridas de acero inoxidable de apertura rápida
Quick opening stainless steel clamps
Colliers inox de ouverture rapide à grenouillère



Q0840
Pieza anticavitación
Anticavitation piece
Kit anti-cavitation

LÍNEA CONTINUA
CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0576

5 polos / 5 poles / 5 pôles

Ref. Q0577

1-10
DALI

EMERGENCY
1h / 3h

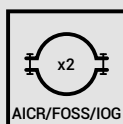
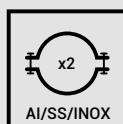
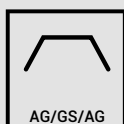
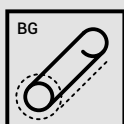
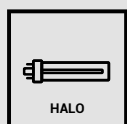


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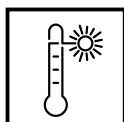
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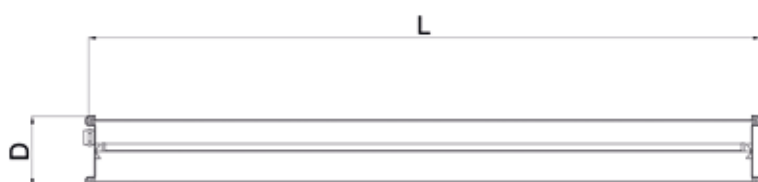
Brida
Clamp
Collier



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



+200 °C



IT - DE

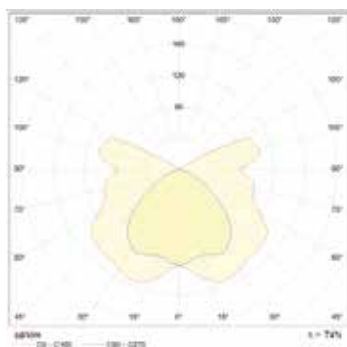


IP68-2

IK07

CE

EN 60598-1



Ref.	Potencia Watts <i>Puissance</i>	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)	(mm)	(mm)	(mm)	
Q0949	1x40	275	105	140	1
Q0950	2x40	275	105	140	1

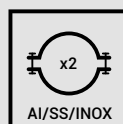
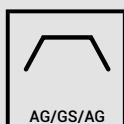
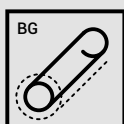
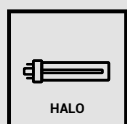


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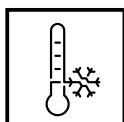
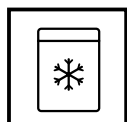
FROZEN



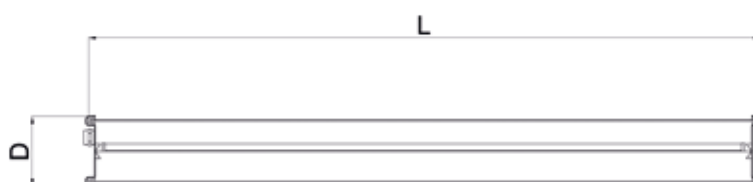
Brida
Clamp
Collier



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



-50°C



IT - DE

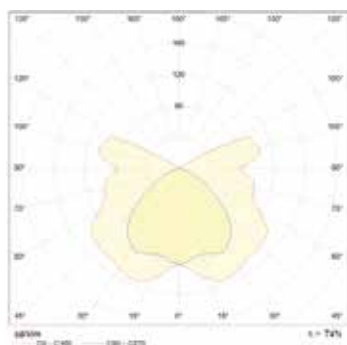


IP68-2

IK07

CE

EN 60598-1



Ref.	Potencia Watts <i>Puissance</i>	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)	(mm)	(mm)	(mm)	
Q0953	1x40	275	105	140	1
Q0954	2x40	275	105	140	1

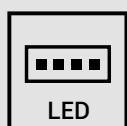


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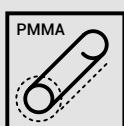
SILVER



Brida
Clamp
Collier



LED



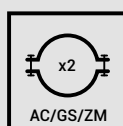
PMMA



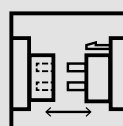
RAB/BAR/RAB



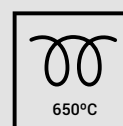
ZAMAK-Ni



AC/GS/ZM

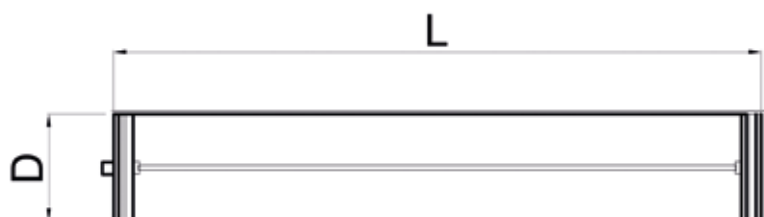
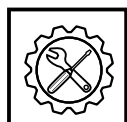


x2



650°C

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

RG 0/1

MACADAM

3/4

UGR
<19

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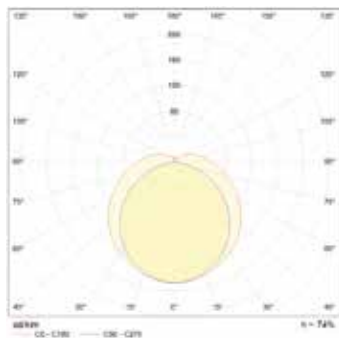
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IK10

IP68-2

CE

EN 60598-1



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(mm)	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
SI113	600	13	1490	1155	3000	763	100	133	1
SI114	600	13	1550	1201	4000	763	100	133	1
SI123	600	16	2560	1984	3000	763	100	133	1
SI124	600	16	2670	2070	4000	763	100	133	1
SI213	1200	24	2980	2310	3000	1375	100	133	1
SI214	1200	24	3200	2480	4000	1375	100	133	1
SI223	1200	32	5120	3969	3000	1375	100	133	1
SI224	1200	32	5340	4139	4000	1375	100	133	1
SI313	1500	29	3720	2883	3000	1660	100	133	1
SI314	1500	29	4000	3100	4000	1660	100	133	1
SI323	1500	40	6310	4891	3000	1660	100	133	1
SI324	1500	40	6700	5193	4000	1660	100	133	1

ACCESORIOS SILVER / SILVER ACCESSORIES / ACCESSOIRES SILVER



Ref. Q0401

Bridas de acero inoxidable
Stainless steel clamps
Colliers inox antivandalisme



Q0402

**Bridas de acero inoxidable de
apertura rápida**
Quick opening stainless steel clamps
Colliers inox de ouverture rapide
à grenouillère



Q0158

Brida de metacrilato (1 unidad)
Antivandalic acrylic (1 unit)
Colliers en méthacrylate (1 unité)



Ref. Q0349

Suspensión con cable de acero
Steel cable suspension
Suspension avec câble en acier



Q0147

Pieza anticavitación
Anticavitation piece
Kit anti-cavitation

LÍNEA CONTINUA
CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0574

5 polos / 5 poles / 5 pôles

Ref. Q0575

1-10
DALI

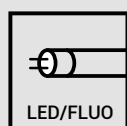
EMERGENCY
1h / 3h

1.16

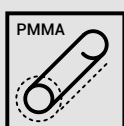
TR2



Brida
Clamp
Collier



LED/FLUO



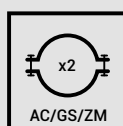
PMMA



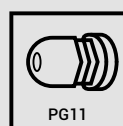
RAB/BAR/RAB



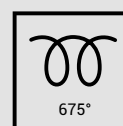
ZAMAK-Ni



x2
AC/GS/ZM

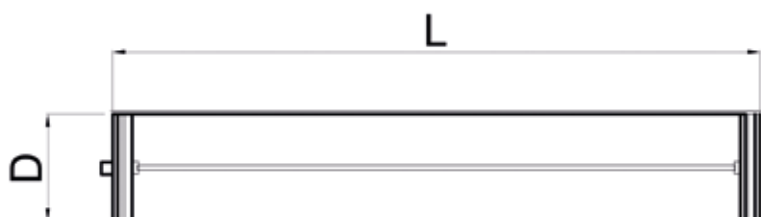
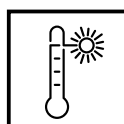
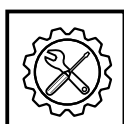
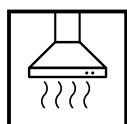


PG11



675°

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IK10

IP68-2

CE

EN 60598-1

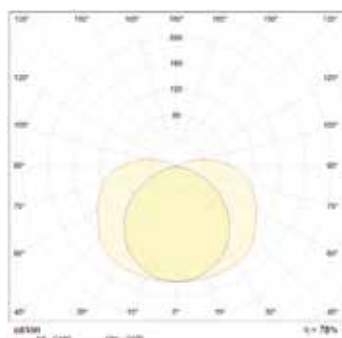


TUBO FLUORESCENTE / LAMP / LAMPE

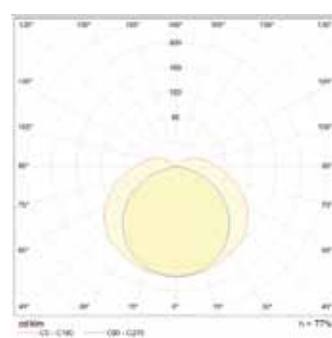
T8

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	D + brida D + clamp <i>D + fixations</i>	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	(mm)	
Q0435	1 x 18	■	709	100	133	1
Q0436	1 x 36	■	1.319	100	133	1
Q0437	1 x 58	■	1.624	100	133	1
Q0438	2 x 18	■	709	100	133	1
Q0439	2 x 36	■	1.319	100	133	1
Q0440	2 x 58	■	1.624	100	133	1

■ Electrónica / Electronic / Électronique



1x



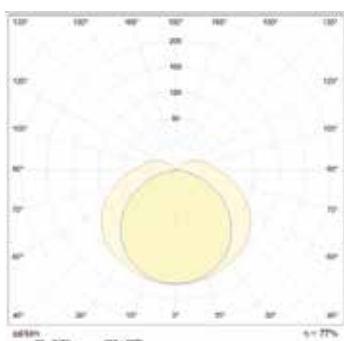
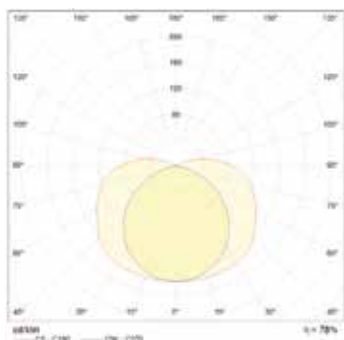
2x

1.16

TR2

TUBO FLUORESCENTE / LAMP / LAMPE

T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
Q0451	1 x 14	■	671	100	133	1
Q0487	1 x 24	■	671	100	133	1
Q0452	1 x 21	■	966	100	133	1
Q0455	1 x 39	■	966	100	133	1
Q0453	1 x 28	■	1.272	100	133	1
Q0456	1 x 54	■	1.272	100	133	1
Q0454	1 x 35	■	1.574	100	133	1
Q0488	1 x 49	■	1.574	100	133	1
Q0489	1 x 80	■	1.574	100	133	1
Q0457	2 x 14	■	671	100	133	1
Q0490	2 x 24	■	671	100	133	1
Q0458	2 x 21	■	966	100	133	1
Q0461	2 x 39	■	966	100	133	1
Q0459	2 x 28	■	1.272	100	133	1
Q0462	2 x 54	■	1.272	100	133	1
Q0460	2 x 35	■	1.574	100	133	1
Q0491	2 x 49	■	1.574	100	133	1

■ Electrónica / Electronic / Électronique

TUBO LED / LED TUBE / TUBE LED

T8

Ref.	Longitud Tubo Tube Length Longueur Tube	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(mm)	(mm)	(mm)	(mm)	
Q0435L	1 x 600	675	100	133	1
Q0436L	1 x 1.200	1.285	100	133	1
Q0437L	1 x 1.500	1.589	100	133	1
Q0438L	2 x 600	675	100	133	1
Q0439L	2 x 1.200	1.285	100	133	1
Q0440L	2 x 1.500	1.589	100	133	1

IK10

IP68-2

CE

EN 60598-1



ALTAS TEMPERATURAS
 HIGH TEMPERATURES
 HAUTES TEMPÉRATURES



T8

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
Q0471	1 x 18		709	100	133	1
Q0472	1 x 36		1.319	100	133	1
Q0473	1 x 58		1.624	100	133	1
Q0474	2 x 18		709	100	133	1
Q0475	2 X 36		1.319+ 671	100	133	1
Q0476	2 X 58		1.624+ 671	100	133	1



1 x 18

1 x 36

1 x 58

2 x 18



2 X 36

2 X 58

Manguera de unión: 50 cm
 Union hose: 50 cm
 Câble d'union: 50 cm

1.16

TR2

ACCESORIOS TR2 / TR2 ACCESSORIES / ACCESSOIRES TR2

TR2 OPAL

Ref.		Potencia Watts Puissance (W)
 Ref luminaria + "O". Ej.: Q06010 Light fitting ref + "O". Ex.: Q06010 <i>Ref luminaire + "O". Ex.: Q06010</i>		18
		36
		58
		14-24
		21-39
		28-54
		35-49-80
Ref.	Q0401	Q0402
 Bridas de acero inoxidable Stainless steel clamps <i>Colliers inox antivandalisme</i>		 Bridas de acero inoxidable de apertura rápida Quick opening stainless steel clamps <i>Colliers inox de ouverture rapide à grenouillère</i>
		 Brida de metacrilato Antivandalic acrylic <i>Colliers en méthacrylate</i>
Ref.	Q0349	Q0160
 Suspensión con cable de acero Steel cable suspension <i>Suspension avec câble en acier</i>		 Válvula anticondensación y de equilibrado de presión Anticondensation valve and pressure balancing <i>Valve anti-condensation et équilibrage de pression</i>
		 Pieza anticavitación Anticavitation piece <i>Kit anti-cavitation</i>
LÍNEA CONTINUA CONTINUOUS LINE CONNECTION CÂBLAGE TRAVERSANT		3 polos / 3 poles / 3 pôles Ref. Q0404 5 polos / 5 poles / 5 pôles Ref. Q0406
		1-10 DALI EMERGENCY 1h / 3h

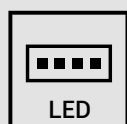


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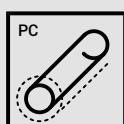
ORION



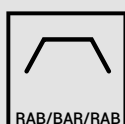
Brida
Clamp
Collier



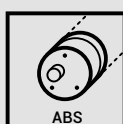
LED



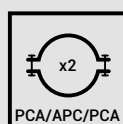
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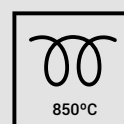
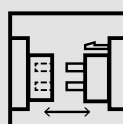
RAB/BAR/RAB



ABS

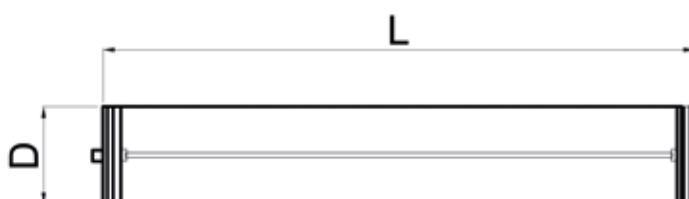
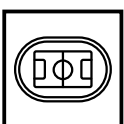
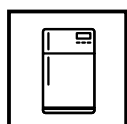


PCA/APC/PCA



850°C

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG 0/1

MACADAM

3/4

UGR
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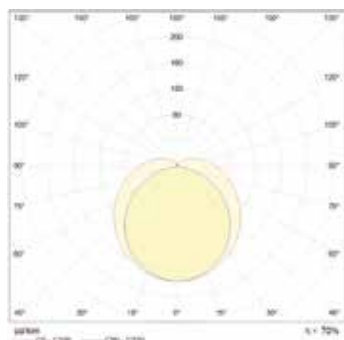
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50.000

IP67

IK09

CE

EN 60598-1



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(mm)	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
OR113	600	13	1490	1040	3000	770	81	113	1
OR114	600	13	1550	1082	4000	770	81	113	1
OR123	600	16	2560	1787	3000	770	81	113	1
OR124	600	16	2670	1864	4000	770	81	113	1
OR213	1200	24	2980	2080	3000	1380	81	113	1
OR214	1200	24	3200	2234	4000	1380	81	113	1
OR223	1200	32	5120	3574	3000	1380	81	113	1
OR224	1200	32	5340	3727	4000	1380	81	113	1
OR313	1500	29	3720	2597	3000	1633	81	113	1
OR314	1500	29	4000	2792	4000	1633	81	113	1
OR323	1500	40	6310	4404	3000	1633	81	113	1
OR324	1500	40	6700	4677	4000	1633	81	113	1

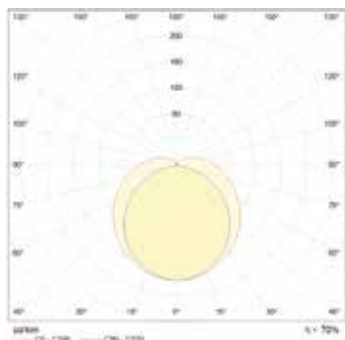
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ORION

BAJAS TEMPERATURAS LOW TEMPERATURES BASSES TEMPÉRATURES



Brida
Clamp
Collier



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Ancho con brida Width with clamp Largeur avec fixations	Embalaje Packaging Emballage
	(mm)	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
OC123	600	32	4300	3000	3000	770	81	113	1
OC124	600	32	4600	3200	4000	770	81	113	1
OC223	1200	64	8600	6000	3000	1380	81	113	1
OC224	1200	64	9000	6300	4000	1380	81	113	1
OC323	1500	80	10750	7500	3000	1633	81	113	1
OC324	1500	80	11400	8000	4000	1633	81	113	1

ACCESORIOS ORION / ORION ACCESORIES / ACCESSOIRES ORION



Ref.

Q0349

Suspensión con cable de acero
Steel cable suspension
Suspension avec câble en acier



Q0347

Bridas de acero inoxidable
Stainless steel clamps
Colliers inox antivandalisme



Q0348

Bridas de acero inoxidable de apertura
rápida
Quick opening stainless steel clamps
Colliers inox de ouverture rapide à grenouillère



Ref.

Q0339

Tapas metálicas y racor metálico
Metallic end caps and cable glands
Embouts et presse-étoupes métalliques



Q0147

Pieza anticavitación
Anticavitation piece
Kit anti-cavitation

LÍNEA CONTINUA
CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0578

5 polos / 5 poles / 5 pôles

Ref. Q0579

1-10
DALI

EMERGENCY
1h / 3h

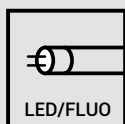


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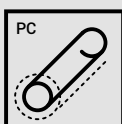
TR3



Brida
Clamp
Collier



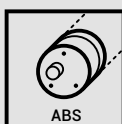
LED/FLUO



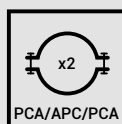
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RAB/BAR/RAB



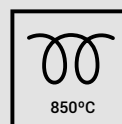
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PCA/APC/PCA

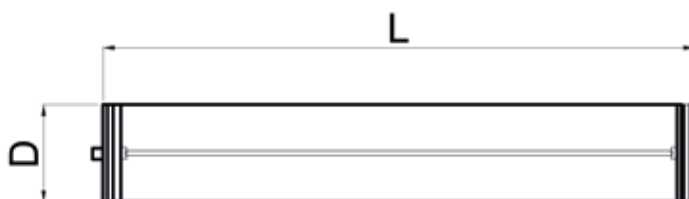
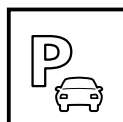
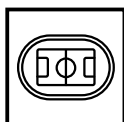
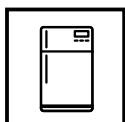


PG11



850°C

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP67

IK07

CE

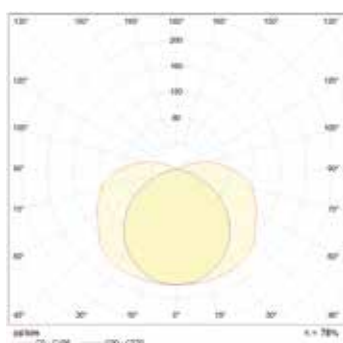


TUBO FLUORESCENTE / LAMP / LAMPE

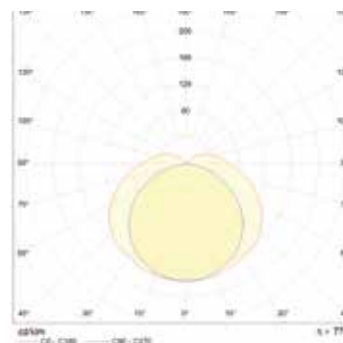
T8

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	D + brida D + clamp <i>D + fixations</i>	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	(mm)	
Q0035	1 x 18	■	713	81	113	1
Q0036	1 x 36	■	1.323	81	113	1
Q0037	1 x 58	■	1.628	81	113	1
Q0038	2 x 18	■	713	81	113	1
Q0039	2 x 36	■	1.323	81	113	1
Q0040	2 x 58	■	1.628	81	113	1

■ Electrónica / Electronic / Électronique



1x



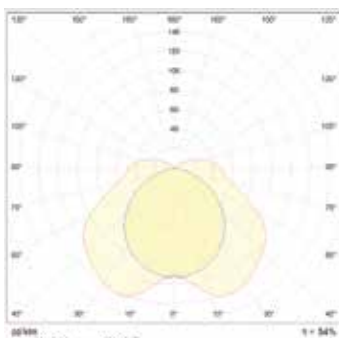
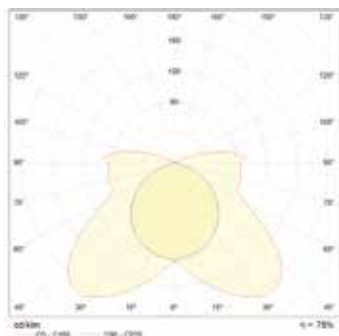
2x

1.18

TR3

TUBO FLUORESCENTE / LAMP / LAMPE

T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
Q0051	1 x 14	■	675	81	113	1
Q0089	1 x 24	■	675	81	113	1
Q0052	1 x 21	■	970	81	113	1
Q0055	1 x 39	■	970	81	113	1
Q0053	1 x 28	■	1.276	81	113	1
Q0056	1 x 54	■	1.276	81	113	1
Q0054	1 x 35	■	1.578	81	113	1
Q0086	1 x 49	■	1.578	81	113	1
Q0081	1 x 80	■	1.578	81	113	1
Q0057	2 x 14	■	675	81	113	1
Q0092	2 x 24	■	675	81	113	1
Q0058	2 x 21	■	970	81	113	1
Q0061	2 x 39	■	970	81	113	1
Q0059	2 x 28	■	1.276	81	113	1
Q0062	2 x 54	■	1.276	81	113	1
Q0060	2 x 35	■	1.578	81	113	1
Q0085	2 x 49	■	1.578	81	113	1

■ Electrónica / Electronic / Électronique

BAJAS TEMPERATURAS / LOW TEMPERATURES / BASSES TEMPÉRATURES



T8

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
Q0345	1 x 18	⚠	713	81	113	1
Q0344	1 x 36	⚠	1.323	81	113	1
Q0343	1 x 58	⚠	1.628	81	113	1
Q0342	2 x 18	⚠	713	81	113	1
Q0341	2 x 36	⚠	1.323	81	113	1
Q0340	2 x 58	⚠	1.628	81	113	1

IP67

IK07

CE

TR3 LED



Brida
Clamp
Collier



TUBO LED / LED TUBE / TUBE LED

T8

Ref.	Longitud Tubo Tube Length Longueur Tube	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(mm)	(mm)	(mm)	(mm)	
Q0035L	1 x 600	713	81	113	1
Q0036L	1 x 1.200	1.323	81	113	1
Q0037L	1 x 1.500	1.628	81	113	1
Q0038L	2 x 600	713	81	113	1
Q0039L	2 x 1.200	1.323	81	113	1
Q0040L	2 x 1.500	1.628	81	113	1

ACCESORIOS TR3 / TR3 ACCESORIES / ACCESSOIRES TR3

TR3 OPAL



Ref.

Potencia
Watts
Puissance

(W)

Ref luminaria + "O". Ej.: Q06010
Light fitting ref + "O". Ex.: Q06010
Ref luminaire + "O". Ex.: Q06010

35-49-80

1.18

TR3

ACCESORIOS TR3 / TR3 ACCESORIES / ACCESSOIRES TR3



Ref.

Q0338

Bridas de acero cincado
Zinc-plated steel clamps
Colliers en acier galvanisé



Q0347

Bridas de acero inoxidable
Stainless steel clamps
Colliers inox antivandalisme



Q0348

Bridas de acero inoxidable de apertura rápida
Quick opening stainless steel clamps
Colliers inox de ouverture rapide à grenouillère



Ref.

Q0349

Suspensión con cable de acero
Steel cable suspension
Suspension avec câble en acier



Q0351

Conexión rápida
Quick connection
Connecteurs étanches de connection rapide



Q0339

Tapas metálicas y racor metálico
Metallic end caps and cable glands
Embouts et presse-étoupes métalliques



Ref.

Q0155

Brida de policarbonato antivandálica
Antivandalic polycarbonate clamps
Colliers antivandalisme en polycarbonate



Q0334

Brida de A.B.S. (2)
A.B.S. clamp (2 units)
Colliers en A.B.S. (2 uts.)



Q0161

Válvula anticondensación y de equilibrado de presión
Anticondensation valve and pressure balancing
Valve anti-condensation et équilibrage de pression

LÍNEA CONTINUA

CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0350

5 polos / 5 poles / 5 pôles

Ref. Q0361

1-10
DALI

EMERGENCY
1h / 3h

REFLECTORES ESPECIALES

SPECIAL REFLECTORS / RÉFLECTEURS SPÉCIAUX

REFLECTOR INTENSIVO / INTENSIVE REFLECTOR / RÉFLECTEURS INTENSIF



Ref.	Potencia Watts Puissance
	(W)
Q0276	1 x 14 / 24
Q0277	1 x 21 / 39
Q0278	1 x 28 / 54
Q0279	1 x 35 / 49 / 80

REFLECTOR ASIMÉTRICO CERRADO / ASYMETRICAL REFLECTOR CLOSED / RÉFLECTEURS ASYMÉTRIQUE FERMÉ



Ref.	Potencia Watts Puissance
	(W)
Q0280	1 x 14 / 24
Q0281	1 x 21 / 39
Q0282	1 x 28 / 54
Q0283	1 x 35 / 49 / 80

REFLECTOR ASIMÉTRICO ABIERTO / ASSYMETRICAL OPEN REFLECTOR / RÉFLECTEURS ASYMÉTRIQUE OUVERT



Ref.	Potencia Watts Puissance
	(W)
Q0284	1 x 14 / 24
Q0285	1 x 21 / 39
Q0286	1 x 28 / 54
Q0287	1 x 35 / 49 / 80

Válidos para los modelos Rinox, Resist, TR2 y TR3.



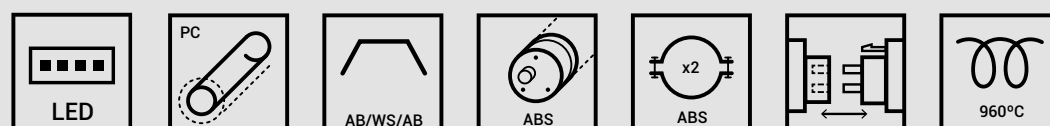
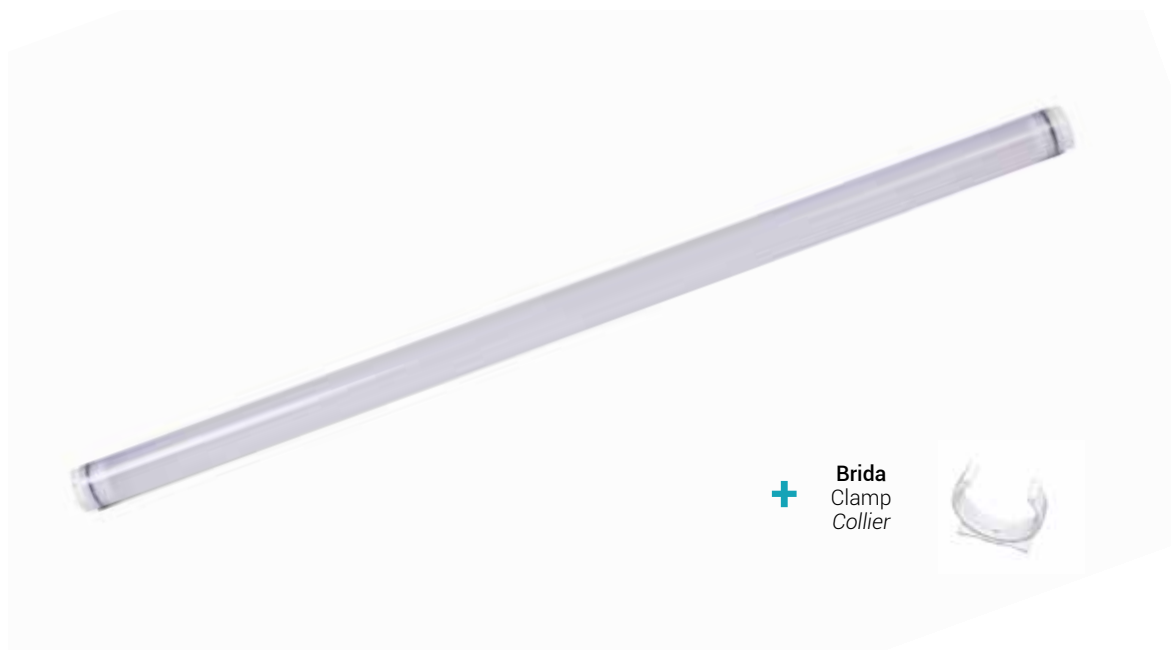
TR4 OPAL LED

Cueva de las Güisas, Villanua, España
Witches Cave, Villanua, Spain
Grotte des Sorcières, Villanua, Espagne

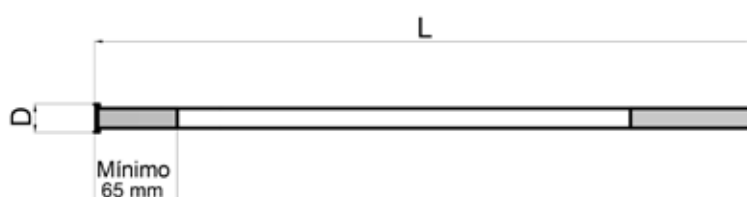
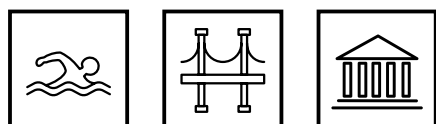


1.19

EXCALIBUR



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG 0/1

MACADAM

3/4

UGR
<19

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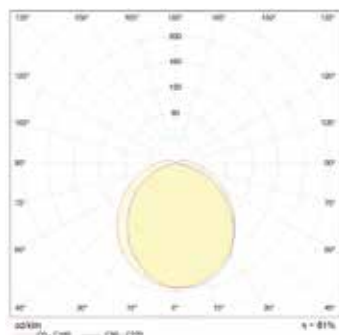
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IP67

IK07

CE

EN 60598-1



Ref.	Potencia Watts Puissance	Emisión Light emission Intensité lum.	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	L	D	Embalaje Packaging Carton
	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	
ER113	13	1490	906	3000	1080	41	1
ER114	13	1550	942	4000	1080	41	1
ER123	16	2560	1556	3000	1080	41	1
ER124	16	2670	1623	4000	1080	41	1
ER213	24	2980	1812	3000	1620	41	1
ER214	24	3200	1946	4000	1620	41	1
ER223	32	5120	3113	3000	1620	41	1
ER224	32	5340	3247	4000	1620	41	1
ER313	29	3720	2262	3000	1910	41	1
ER314	29	4000	2432	4000	1910	41	1
ER323	40	6310	3836	3000	1910	41	1
ER324	40	6700	4074	4000	1910	41	1

ACCESORIOS EXCALIBUR / EXCALIBUR ACCESSORIES / ACCESSOIRES EXCALIBUR



Ref.

R0057

Bridas de acero inoxidable
Stainless steel clamps
Colliers inox antivandalisme



R0063

Tapas metálicas y racor metálico
Metallic end caps and nickel-plated gland
Embouts métalliques et presse-étoupe



Q0349

Suspensión con cable de acero
Steel cable suspension
Suspension avec câble en acier

LÍNEA CONTINUA

CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0882

5 polos / 5 poles / 5 pôles

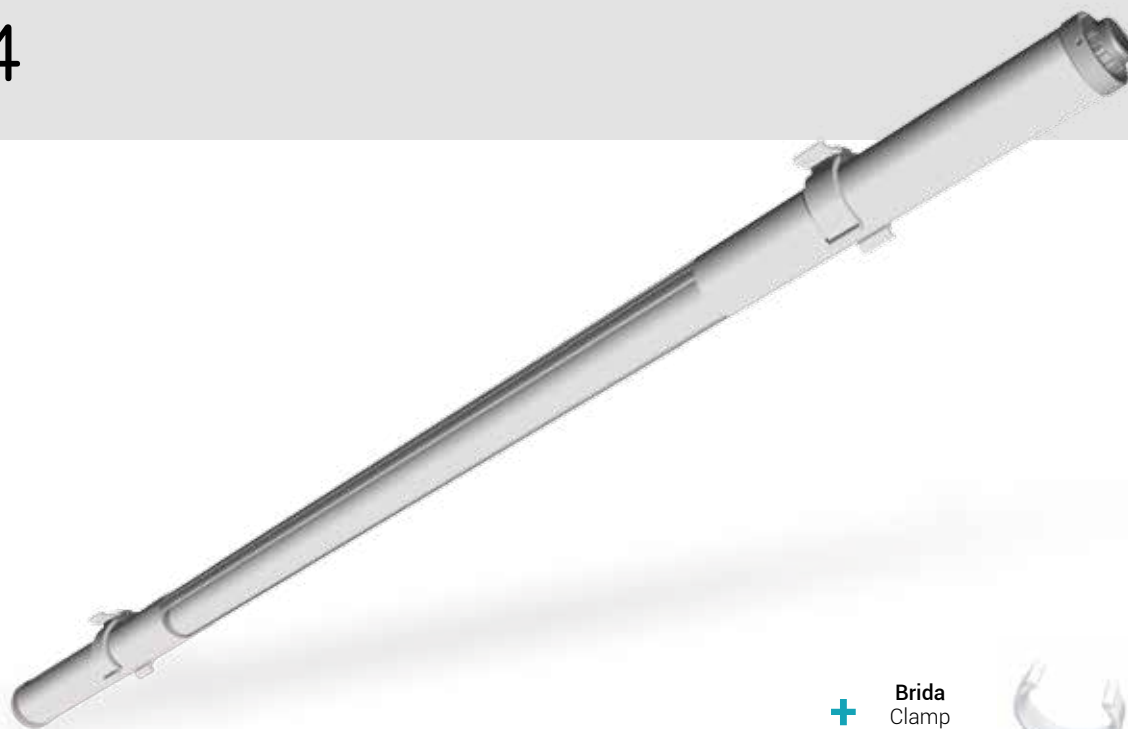
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1-10
DALI

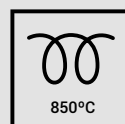
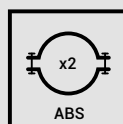
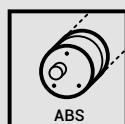
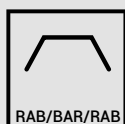
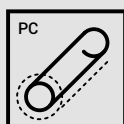
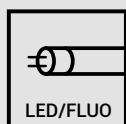
EMERGENCY
1h / 3h

1.20

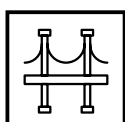
TR4



Brida
Clamp
Collier



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



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IP67

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CE

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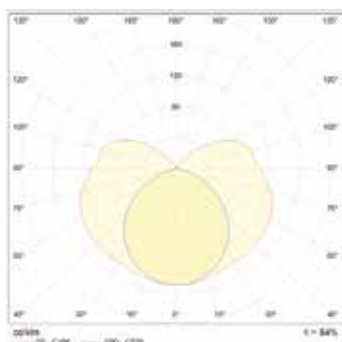


TUBO FLUORESCENTE / LAMP / LAMPE

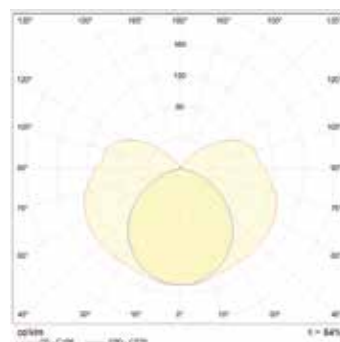
T5

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	
R0051	1 x 14	■	1.038	41	1
R0031	1 x 24	■	1.038	41	1
R0015	1 x 18	■	1.080	41	1
R0052	1 x 21	■	1.335	41	1
R0055	1 x 39	■	1.510	41	1
R0053	1 x 28	■	1.800	41	1
R0056	1 x 54	■	1.800	41	1
R0016	1 x 36	■	1.940	41	1
R0054	1 x 35	■	2.100	41	1
R0032	1 x 49	■	2.100	41	1
R0017	1 x 58	■	2.240	41	1
R0033	1 x 80	■	2.330	41	1

■ Electrónica / Electronic / Électronique



1x



2x

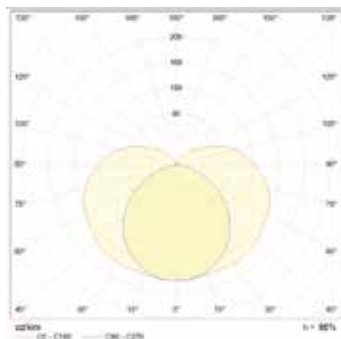
1.20

TR4 ALUMINIUM



TUBO FLUORESCENTE / LAMP / LAMPE

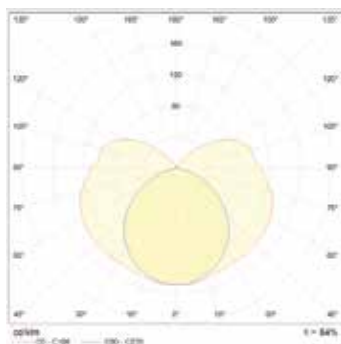
T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	
R0115	1 x 18	■	1.080	41	1
R0116	1 x 36	■	1.940	41	1
R0117	1 x 58	■	2.240	41	1

TUBO FLUORESCENTE / LAMP / LAMPE

T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	
R0151	1 x 14	■	1.038	41	1
R0161	1 x 24	■	1.038	41	1
R0152	1 x 21	■	1.335	41	1
R0155	1 x 39	■	1.510	41	1
R0153	1 x 28	■	1.800	41	1
R0156	1 x 54	■	1.800	41	1
R0154	1 x 35	■	2.100	41	1
R0163	1 x 49	■	2.100	41	1
R0164	1 x 80	■	2.330	41	1

■ Electrónica / Electronic / Électronique

IP67

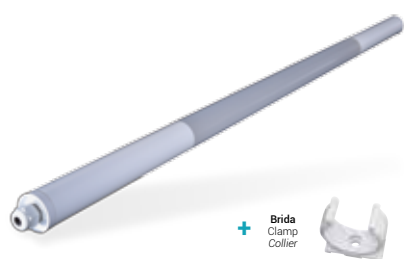
IK07

CE

EN 60598-1

ACCESORIOS TR4 / TR4 ACCESORIES / ACCESSOIRES TR4

TR4 OPAL



+
Brida
Clamp
Collier

Ref.

Potencia
Watts
Puissance

(W)

18

36

58

14-24

21

35-49

39

80

Ref luminaria + "O". Ej.: R00150
 Light fitting ref + "O". Ex.: R00150
 Ref luminaire + "O". Ex.: R00150

1.20

TR4

TR4 LED



BLANCO / WHITE / BLANC



OPAL / MATTE / OPALE

T8

Ref.	Longitud Tubo Tube Length Longueur Tube	L	D	Embalaje Packaging Emballage
	(mm)	(mm)	(mm)	
R0015L	1 x 600	780	41	1
R0016L	1 x 1.200	1.380	41	1
R0017L	1 x 1.500	1.680	41	1

ALUMINIO / ALUMINIUM / ALUMINIUM

T8

Ref.	Longitud Tubo Tube Length Longueur Tube	L	D	Embalaje Packaging Emballage
	(mm)	(mm)	(mm)	
R0115L	1 x 600	780	41	1
R0116L	1 x 1.200	1.380	41	1
R0117L	1 x 1.500	1.680	41	1

TR4 Opal

Ref.	Longitud Tubo Tube Length Longueur Tube
	(mm)
Ref luminaria + "O". Ej.: R0115LO	600
Light fitting ref + "O". Ex.: R0115LO	900
Ref luminaire + "O". Ex.: R0115LO	1200
	1500

IP67

IK07

CE

EN 60598-1

ACCESORIOS TR4 / TR4 ACCESSORIES / ACCESSOIRES TR4



Ref.

R0057

Bridas de acero inoxidable
Stainless steel clamps
Colliers inox antivandalisme



R0063

Tapas metálicas y racor metálico
Metallic end caps and cable glands
Embouts et presse-étoupes métalliques



Q0349

Suspensión con cable de acero
Steel cable suspension
Suspension avec câble en acier

LÍNEA CONTINUA

CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. R0058

5 polos / 5 poles / 5 pôles

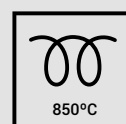
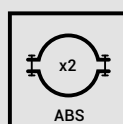
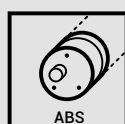
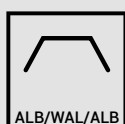
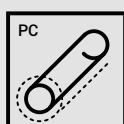
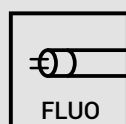
Ref. R0064

1-10
DALI

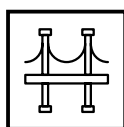
EMERGENCY
1h / 3h

1.21

COMPACT



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

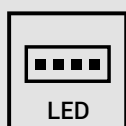
1.22

EMELUX LED

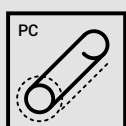


Ref.

Q0310



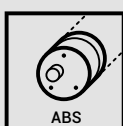
LED



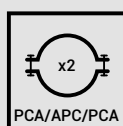
PC



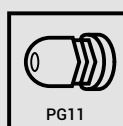
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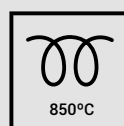
ABS



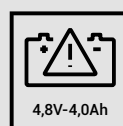
PCA/APC/PCA



PG11

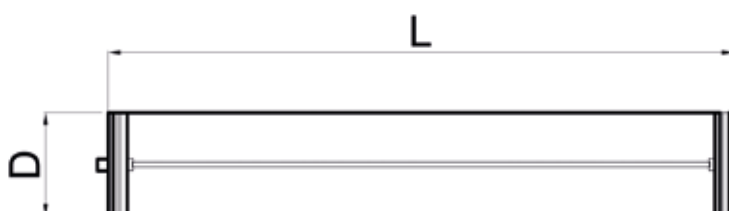
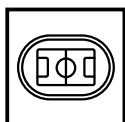
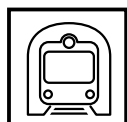


850°C



4,8V-4,0Ah

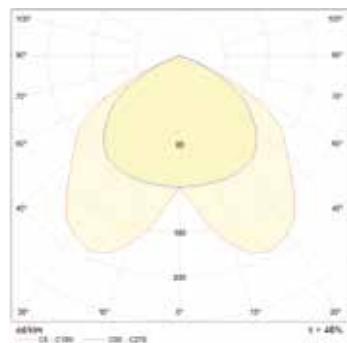
APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1	MACADAM 3/4	UGR <19	CR>80	L70B50 > 50.000	IK07	IP67	60598-2-22 CE EN 60598-1
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Ref.	Emission Light emission Intensité lum	Modo Mode Mode	Autonomía Autonomy Autonomie	Tª color Tª colour Tª couleur	L	D	Embalaje
	(lm)	(W)	(h)				
Q0303	100	●	3	6000	415	81	1
Q0304	100	●	3	6000	415	81	1
Q0305	200	●	1,5	6000	415	81	1
Q0306	200	●	1,5	6000	415	81	1
Q0307	300	●	1	6000	415	81	1
Q0308	300	●	1	6000	415	81	1

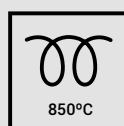
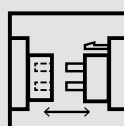
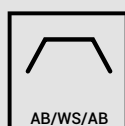
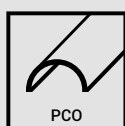
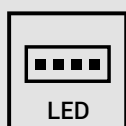
● Permanente / maintained / permanent ● No permanente / non-maintained / non permanent

ACCESORIOS EMELUX / EMELUX ACCESORIES / ACCESSOIRES EMELUX

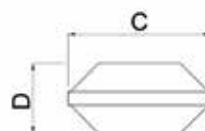
Ref.	Q0334	Q0338	Q0348
	Brida de A.B.S. (2 unidades) A.B.S. clamp (2 units) Colliers en A.B.S. (2 uts.)	Bridas de acero cincado Zinc-plated steel clamps Colliers en acier galvanisé	Bridas de acero inoxidable de apertura rápida Quick opening stainless steel clamps Colliers inox de ouverture rapide à grenouillère
Ref.	Q0347	Q0349	Q0339
	Bridas de acero inoxidable Stainless steel clamps Colliers inox antivandalisme	Suspensión con cable de acero Steel cable suspension Suspension avec câble en acier	Tapas metálicas y racor metálico Metallic end caps and cable glands Embouts et presse-étoupes métalliques

1.23

PISTON



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG 0/1

MACADAM

3/4

UGR
<19

CR>80

L70B50
>
50.000

IP65

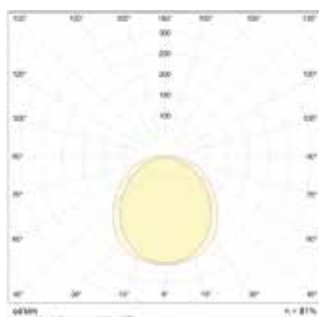
IK07

CE

EN 60598-1



2 MÓDULOS LED / 2 LED MODULES / 2 MODULES LED



Ref.	Tamaño Size Dimension	Potencia Watts Puissance	Emisión Light emission Intensité lum.	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	A	B	C	D	Cierre Fasteners Fermetures	Embalaje Packaging Emballage
	(mm)	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	(mm)		
PI113	600	24	2980	2420	3000	664	260	160	110	6	1
PI114	600	24	3200	2598	4000	664	260	160	110	6	1
PI123	600	32	5120	4157	3000	664	260	160	110	6	1
PI124	600	32	5340	4336	4000	664	260	160	110	6	1
PI213	1200	48	5960	4840	3000	1274	870	160	110	8	1
PI214	1200	48	6400	5197	4000	1274	870	160	110	8	1
PI223	1200	64	10240	8315	3000	1274	870	160	110	8	1
PI224	1200	64	10680	8672	4000	1274	870	160	110	8	1
PI313	1500	58	7440	6041	3000	1575	650	160	110	12	1
PI314	1500	58	8000	6496	4000	1575	650	160	110	12	1
PI323	1500	80	12620	10247	3000	1575	650	160	110	12	1
PI324	1500	80	13400	10881	4000	1575	650	160	110	12	1

ACCESORIOS PISTON / PISTON ACCESSORIES / ACCESSOIRES PISTON



Ref.

S2150

Grapa de acero inoxidable
Stainless steel clip
Clip acier inox



S2151

Sujeción a carril
Rail fastening
Platine de fixation sur rail

LÍNEA CONTINUA
CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

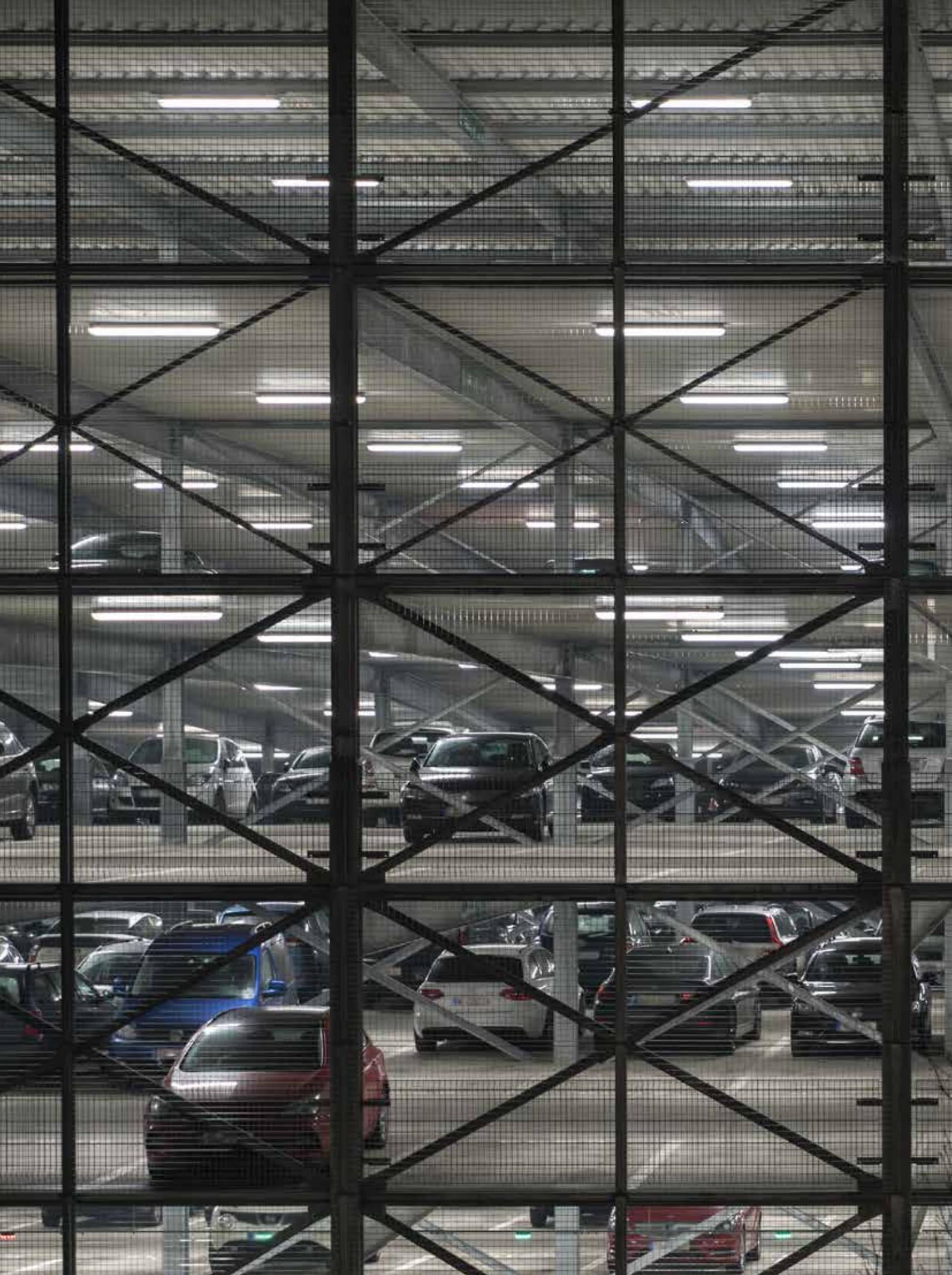
Ref. Q0883

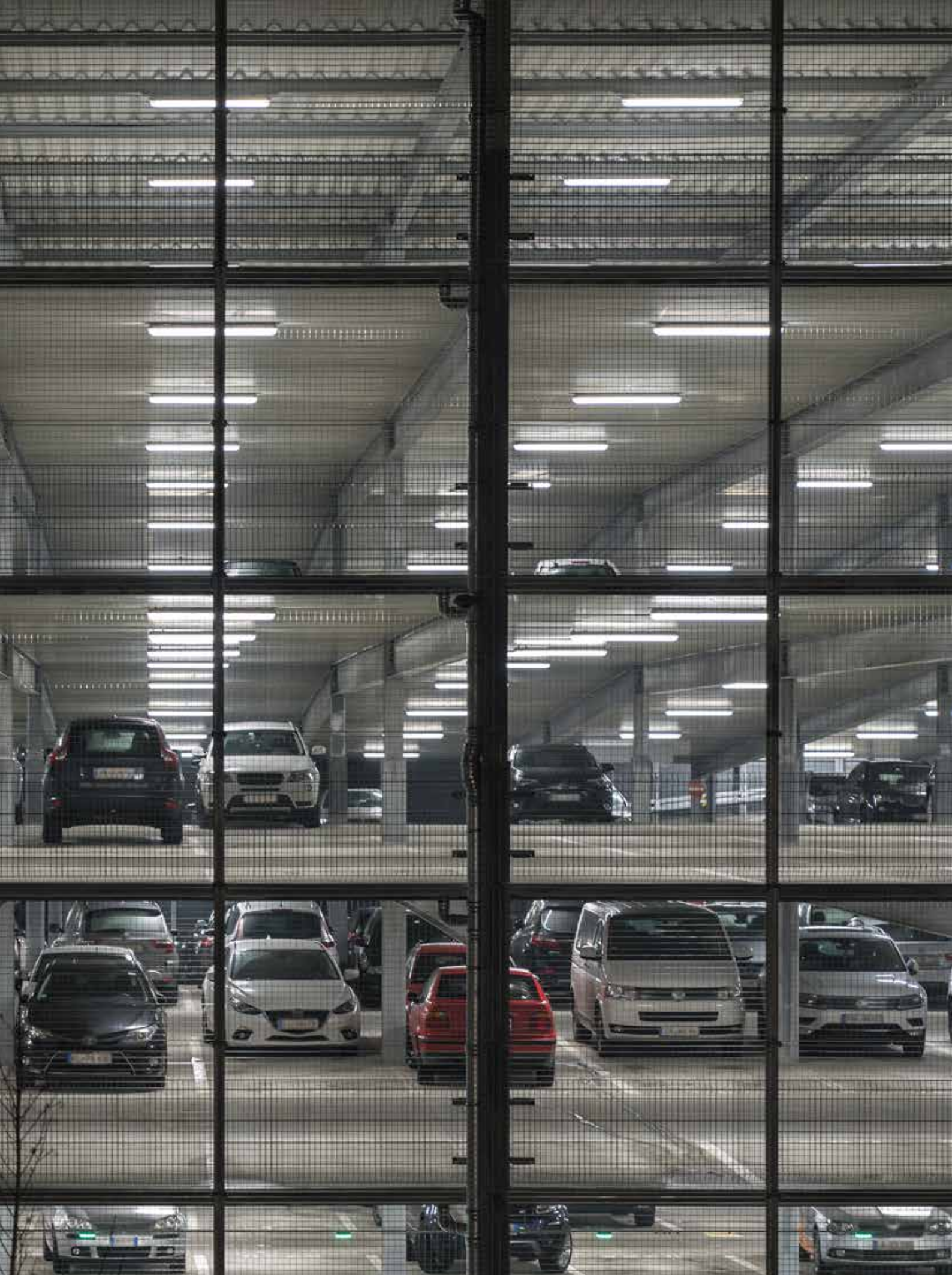
5 polos / 5 poles / 5 pôles

Ref. Q0887

1-10
DALI

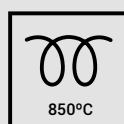
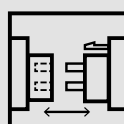
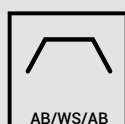
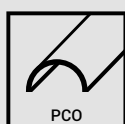
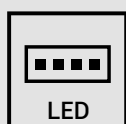
EMERGENCY
1h / 3h



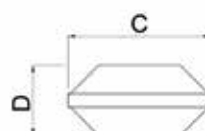
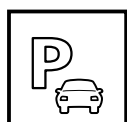


1.24

PISTON ECO



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG 0/1

MACADAM

3/4

UGR
<19

CR>80

L70B50
>
50.000

IP65

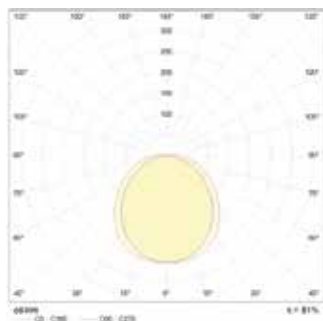
IK07

CE

EN 60598-1



1 MÓDULO LED / 1 LED MODULES / 1 MODULES LED



Ref.	Tamaño Size Dimension	Potencia Watts Puissance	Emisión Light emission Intensité lum.	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	A	B	C	D	Cierre Fasteners Fermetures	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	(mm)		
PC113	600	13	1490	1210	3000	664	260	100	110	6	1
PC114	600	13	1550	1259	4000	664	260	100	110	6	1
PC123	600	16	2560	2079	3000	664	260	100	110	6	1
PC124	600	16	2670	2168	4000	664	260	100	110	6	1
PC213	1200	24	2980	2420	3000	1274	870	100	110	8	1
PC214	1200	24	3200	2598	4000	1274	870	100	110	8	1
PC223	1200	32	5120	4157	3000	1274	870	100	110	8	1
PC224	1200	32	5340	4336	4000	1274	870	100	110	8	1
PC313	1500	29	3720	3021	3000	1575	650	100	110	12	1
PC314	1500	29	4000	3248	4000	1575	650	100	110	12	1
PC323	1500	40	6310	5124	3000	1575	650	100	110	12	1
PC324	1500	40	6700	5440	4000	1575	650	100	110	12	1

ACCESORIOS PISTON / PISTON ACCESSORIES / ACCESSOIRES PISTON



Ref.

S2150

Grapa de acero inoxidable
Stainless steel clip
Clip acier inox



S2151

Sujeción a carril
Rail fastening
Platine de fixation sur rail

LÍNEA CONTINUA
CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0883

5 polos / 5 poles / 5 pôles

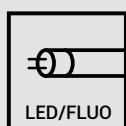
Ref. Q0887

1-10
DALI

EMERGENCY
1h / 3h

1.25

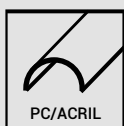
SUPRA



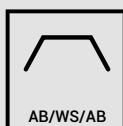
LED/FLUO



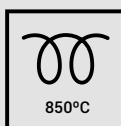
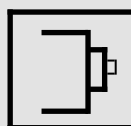
ABS



PC/ACRIL

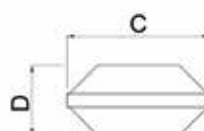
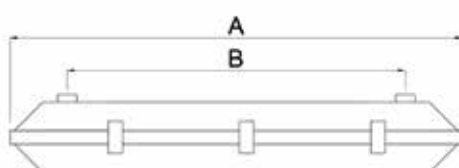
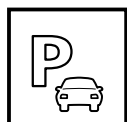


AB/WS/AB



850°C

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP65



EN 60598-1

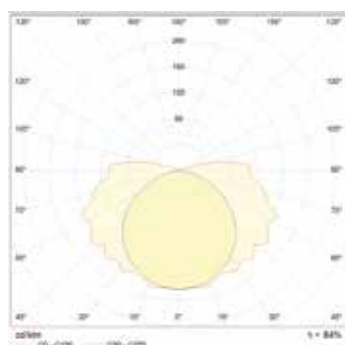


TUBO FLUORESCENTE / LAMP / LAMPE

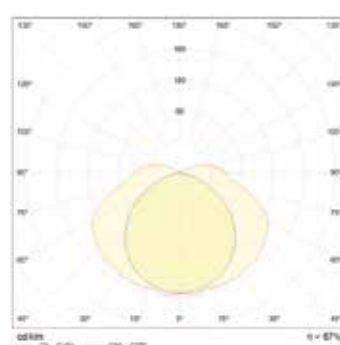
T8

Ref. Acrylic Acrylique	Ref. PC	Potencia Watts Puissance	Equipo Equipment Ballast	A	B	C	D	Cierres Fasteners Fermetures	Embalaje Packaging Emballage
		(W)		(mm)	(mm)	(mm)	(mm)		
S0107	S1107	1 x 18	■	664	260	100	110	6	1
S0108	S1108	1 x 36	■	1.274	870	100	110	8	1
S0109	S1109	1 x 58	■	1.575	650	100	110	12	1
S0119	S1119	2 x 18	■	664	260	160	110	6	1
S0120	S1120	2 x 36	■	1.274	650	160	110	8	1
S0121	S1121	2 x 58	■	1.575	650	160	110	12	1

■ Electrónica / Electronic / Électronique



1x



2x

1.25

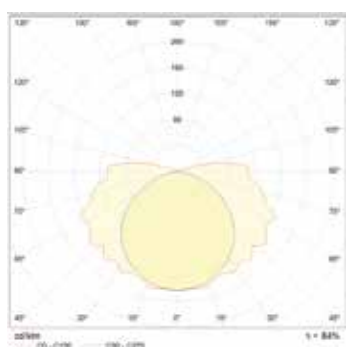
SUPRA

TUBO FLUORESCENTE / LAMP / LAMPE

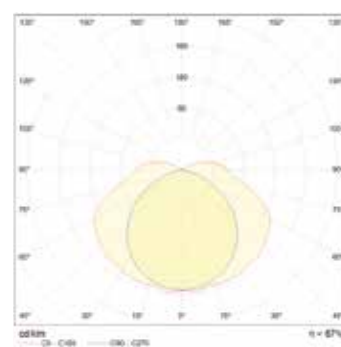
T5

Ref. Acrylic Acrylique	Ref. PC	Potencia Watts Puissance	Equipo Equipment Ballast	A	B	C	D	Cierres Fasteners Fermetures	Embalaje Packaging Emballage
		(W)		(mm)	(mm)	(mm)	(mm)		
S2001	S2101	1 x 14	■	664	260	100	110	6	1
S2004	S2104	1 x 24	■	664	260	100	110	6	1
S2002	S2102	1 x 28	■	1.274	870	100	110	8	1
S2003	S2103	1 x 35	■	1.575	650	100	110	12	1
S2005	S2105	1 x 49	■	1.575	650	100	110	12	1
S2006	S2106	1 x 54	■	1.274	870	100	110	8	1
S2007	S2107	1 x 80	■	1.575	650	100	110	12	1
S2008	S2108	2 x 14	■	664	260	100	110	6	1
S2011	S2111	2 x 24	■	664	260	100	110	6	1
S2009	S2109	2 x 28	■	1.274	870	100	110	8	1
S2010	S2110	2 x 35	■	1.575	650	100	110	12	1
S2012	S2112	2 x 49	■	1.575	650	160	110	12	1
S2013	S2113	2 x 54	■	1.274	870	160	110	8	1

■ Electrónica / Electronic / Électronique



1x



2x

IP65

CE

REFLECTOR ALUMINIO BRILLANTE

GLOSSY ALUMINIUM REFLECTOR

RÉFLECTEUR ALUMINIUM BRILLANT

Potencia Watts (W) Puissance	1 x 14/24	1 x 28/54	1 x 35/49/80	2 x 14/24	2 x 28/54	2 x 35/49
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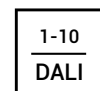
TUBO LED / LED TUBE / TUBE LED

Ref. Acrylic Acrylic	Ref. PC	Longitud Tubo Tube Length Longueur Tube	A	B	C	D	Embalaje Packaging Emballage
		(mm)	(mm)	(mm)	(mm)	(mm)	
S0107L	S1107L	1 x 600	664	260	100	110	1
S0108L	S1108L	1 x 1.200	1.274	870	100	110	1
S0109L	S1109L	1 x 1.500	1.575	650	100	110	1
S0119L	S1119L	2 x 600	664	260	160	110	1
S0120L	S1120L	2 x 1.200	1.274	650	160	110	1
S0121L	S1121L	2 x 1.500	1.575	650	160	110	1

ACCESORIOS SUPRA / SUPRA ACCESORIES / ACCESSOIRES SUPRA

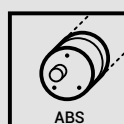
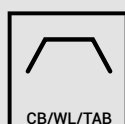
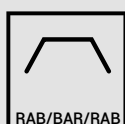
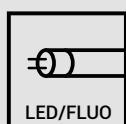
Ref.	S2150	S2151
	Grapa de acero inoxidable Stainless steel clip Clip acier inox	Sujeción a carril DELTA Delta rail fastening Platine de fixation sur rail DELTA

LÍNEA CONTINUA CONTINUOUS LINE CONNECTION CÂBLAGE TRAVERSANT	3 polos / 3 poles / 3 pôles	Ref. S0122
	5 polos / 5 poles / 5 pôles	Ref. S0123

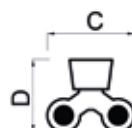
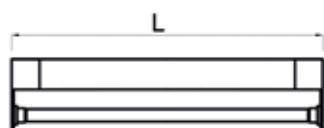
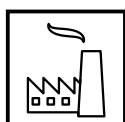
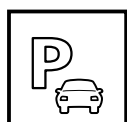
**EMERGENCY**
1h / 3h

1.26

MODELO M IP65



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP65

CE

EN 60598-1

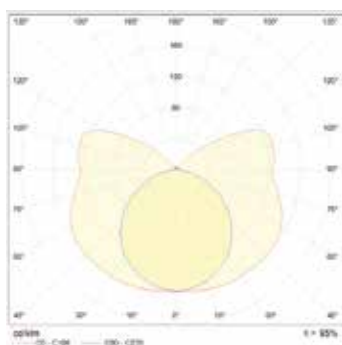


TUBO FLUORESCENTE / LAMP / LAMPE

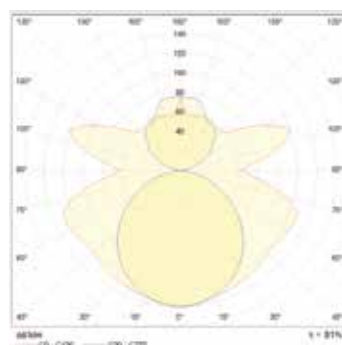
T8

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	C	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	(mm)	
M0125	1 x 18	■	624	100	60	1
M0126	1 x 36	■	1.233	100	60	1
M0127	1 x 58	■	1.534	100	60	1
M0128	2 x 18	■	624	100	123	1
M0129	2 x 36	■	1.233	100	123	1
M0130	2 x 58	■	1.534	100	123	1

■ Electrónica / Electronic / Électronique



1x



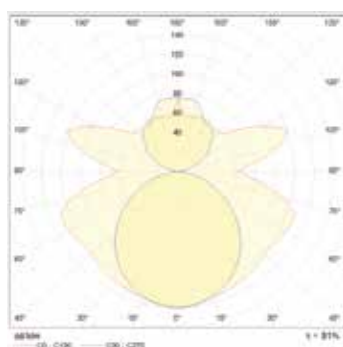
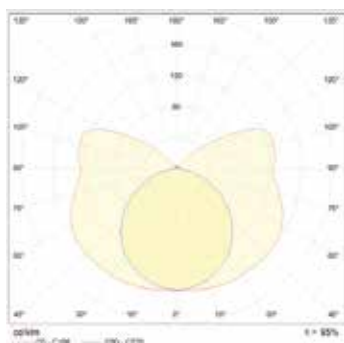
2x

1.26

MODELO M IP65

TUBO FLUORESCENTE / LAMP / LAMPE

T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	
M0507	1 x 14	■	589	100	1
M0505	1 x 24	■	589	100	1
M0508	1 x 21	■	889	100	1
M0509	1 x 39	■	889	100	1
M0504	1 x 28	■	1.189	100	1
M0502	1 x 54	■	1.189	100	1
M0503	1 x 35	■	1.489	100	1
M0510	1 x 49	■	1.489	100	1
M0501	1 x 80	■	1.489	100	1
M0511	2 x 14	■	589	100	1
M0514	2 x 24	■	589	100	1
M0512	2 x 21	■	889	100	1
M0515	2 x 39	■	889	100	1
M0513	2 x 28	■	1.189	100	1
M0517	2 x 54	■	1.189	100	1
M0506	2 x 35	■	1.489	100	1
M0516	2 x 49	■	1.489	100	1

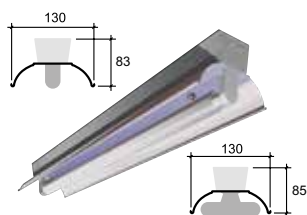
■ Electrónica / Electronic / Électronique

IP65

CE

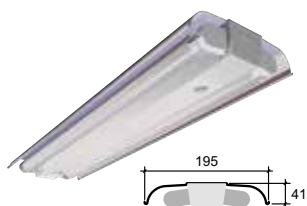
REFLECTORES MODELO M / MODELO M REFLECTOR / REFLECTEUR MODELO M

SIMÉTRICO / SYMMETRICAL / SYMÉTRIQUE



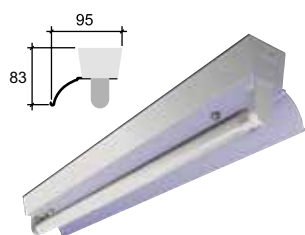
Chapa precalada Lacquered steel <i>Acier laqué</i>	Aluminio brillante Glossy aluminium <i>Aluminium brillant</i>	Potencia Watts <i>Puissance</i>
Ref.	Ref.	(W)
MA100	MA1A0	1 / 2 x 18
MA200	MA2A0	1 / 2 x 36
MA300	MA3A0	1 / 2 x 58
ME100	ME1A0	1 / 2 x 14/24
ME200	ME2A0	1 / 2 x 21/39
ME300	ME3A0	1 / 2 x 28/54
ME400	ME4A0	1 / 2 x 35/49

ASIMÉTRICO E / ASYMMETRICAL E / ASYMÉTRIQUE E



Chapa precalada Lacquered steel <i>Acier laqué</i>	Aluminio brillante Glossy aluminium <i>Aluminium brillant</i>	Potencia Watts <i>Puissance</i>
Ref.	Ref.	(W)
MC100	MC1A0	1 / 2 x 18
MC200	MC2A0	1 / 2 x 36
MC300	MC3A0	1 / 2 x 58
MG100	MG1A0	1 / 2 x 14/24
MG200	MG2A0	1 / 2 x 21/39
MG300	MG3A0	1 / 2 x 28/54
MG400	MG4A0	1 / 2 x 35/49

ASIMÉTRICO I / ASYMMETRICAL I / ASYMÉTRIQUE I



Chapa precalada Lacquered steel <i>Acier laqué</i>	Aluminio brillante Glossy aluminium <i>Aluminium brillant</i>	Potencia Watts <i>Puissance</i>
Ref.	Ref.	(W)
MD100	MD1A0	1 / 2 x 18
MD200	MD2A0	1 / 2 x 36
MD300	MD3A0	1 / 2 x 58
MH100	MH1A0	1 / 2 x 14/24
MH200	MH2A0	1 / 2 x 21/39
MH300	MH3A0	1 / 2 x 28/54
MH400	MH4A0	1 / 2 x 35/49

1.26

MODELO M IP42

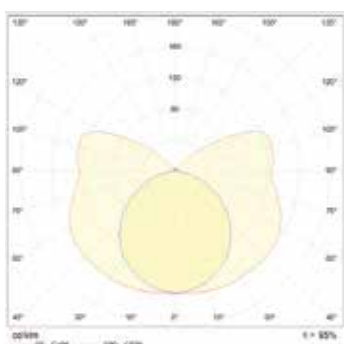


TUBO FLUORESCENTE / LAMP / LAMPE

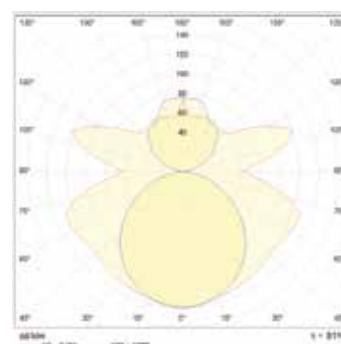
T8

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	
M0025	1 x 18	■	624	100	1
M0026	1 x 36	■	1.233	100	1
M0027	1 x 58	■	1.534	100	1
M0028	2 x 18	■	624	100	1
M0029	2 x 36	■	1.233	100	1
M0030	2 x 58	■	1.534	100	1

■ Electrónica / Electronic / Électronique



1x



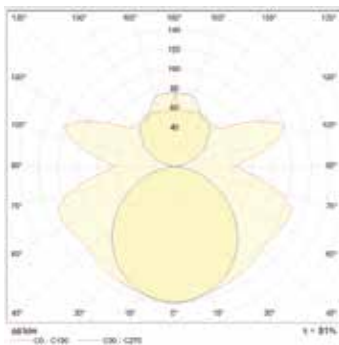
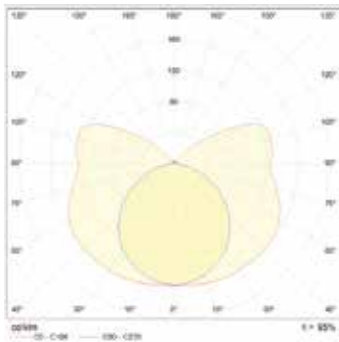
2x

IP42

CE

TUBO FLUORESCENTE / LAMP / LAMPE

T5



Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	
M0604	1 x 14	■	589	100	1
M0606	1 x 24	■	589	100	1
M0605	1 x 21	■	889	100	1
M0607	1 x 39	■	889	100	1
M0603	1 x 28	■	1.189	100	1
M0608	1x 54	■	1.189	100	1
M0602	1 x 35	■	1.489	100	1
M0601	1 x 49	■	1.489	100	1
M0609	1 x 80	■	1.489	100	1
M0610	2 x 14	■	589	100	1
M0614	2 x 24	■	589	100	1
M0611	2 x 21	■	889	100	1
M0615	2 x 39	■	889	100	1
M0612	2 x 28	■	1.189	100	1
M0617	2 x 54	■	1.189	100	1
M0613	2 x 35	■	1.489	100	1
M0616	2 x 49	■	1.489	100	1

■ Electrónica / Electronic / Électronique

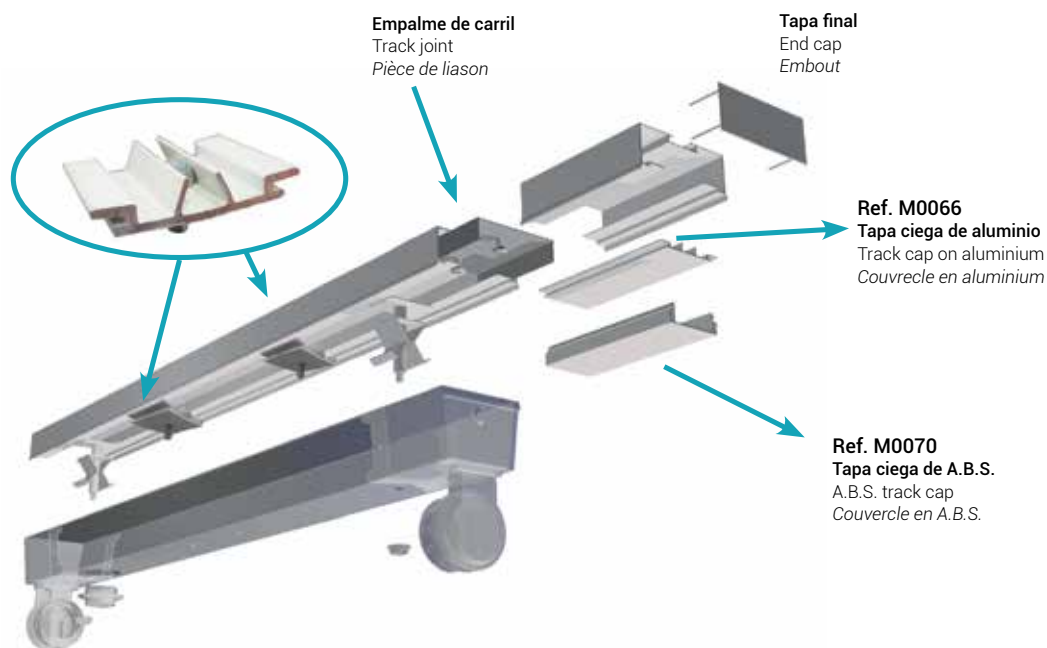
1.26

MODELO M

ACCESORIOS MODELO M / MODELO M ACCESSORIES / ACCESSOIRES MODELO M

Carril Track Rail	Perfil Profile Profile	Carril Track Rail	Carril Track Rail	Tapa final End cap Embout	Empalme Track joint Pièce de liaison
		3070 (mm) 2 X 58	3700 (mm) 3 X 36		
		Ref.	Ref.	Ref.	Ref.
CHAPA ACERO / LACQUERED STEEL / ACIER LAQUÉ 25 X 67,2 (mm)		M0059	M0060	M0034	M0064

Ref. M0063
Sujeción a carril
Fastener for track
Fixation au RAIL



Ref.

M0191

Fijación carril a perfil techo desmontable
Track fastener to removable ceiling profile
Fixation de carril au profil du plafond démontable



M0031

Adaptador aro estanco Ø38 mm
Watertight ring Ø38 mm
Bague porte-douille étanche Ø38 mm

Tubo policarbonato / Polycarbonate
tube / Tube de polycarbonate

(W)	18	36	58
Ø26 Ref.	TP018	TP036	TP058
Ø38 Ref.	TP020	TP040	TP065

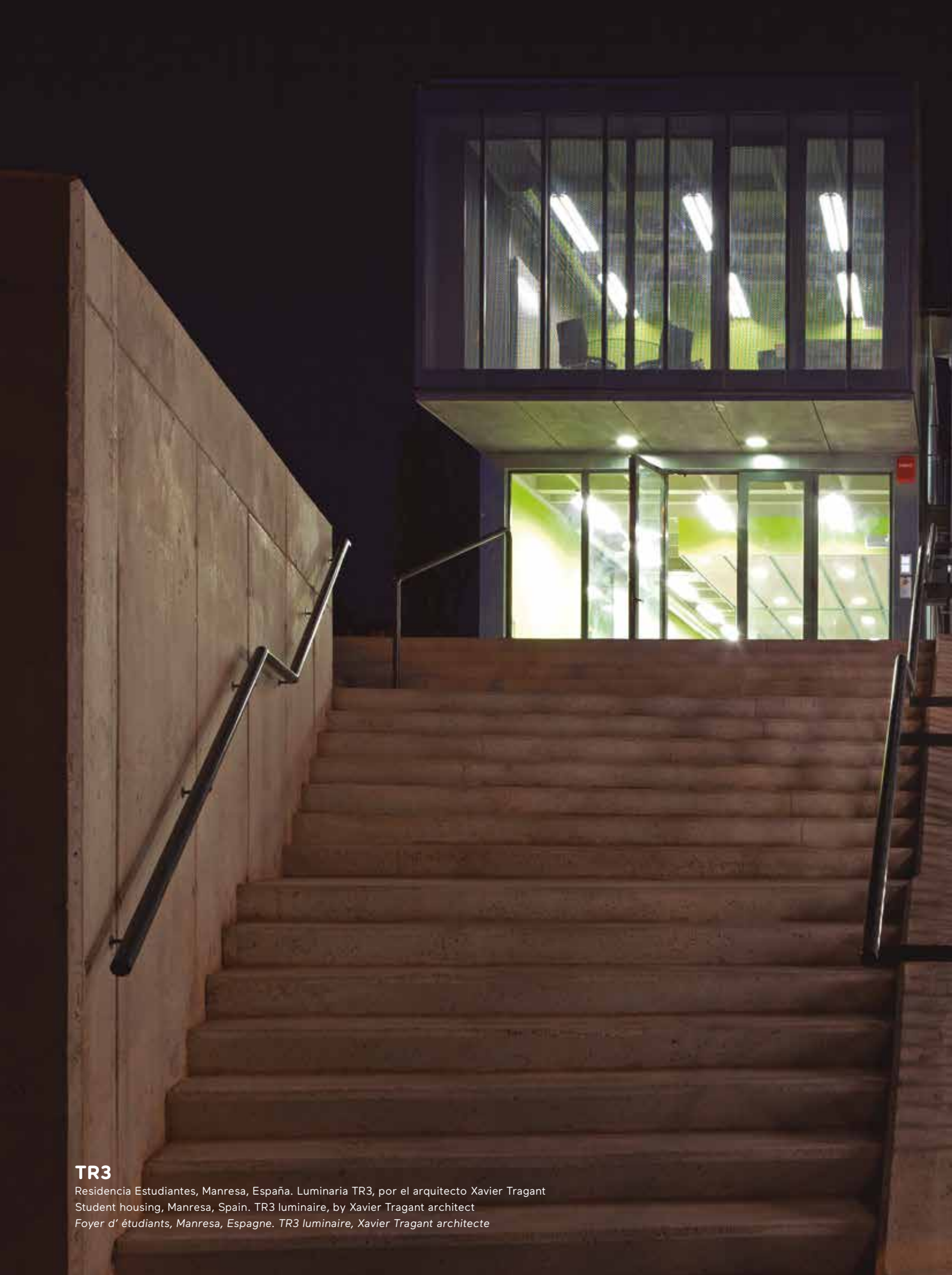


CUADRO DE APLICACIONES / APPLICATIONS CHART/

	Supermercados/ Supermarket/ Supermarché	PISTON, PISTON ECO, SUPRA
	Hoteles/ Hotels/ Hotels	TR1, PEGASO
	Oficinas/ Offices/ Bureau	PEGASO, MODELO M, TR1, EXCALIBUR
	Centros comerciales/ Shopping mall/ Centre commercial	MODELO M, PEGASO, TR1
	Instalaciones deportivas/ Sport facilities/ Installation sportives	MUSTANG, RINOX, PEGASO, THUNDER, RESIST, TR1, EMELUX LED
	Túneles ferroviarios/ Train tunnels/ Tunnels ferroviaire	EMELUX LED, TUNNEL LED, MUSTANG, TUNNEL, RINOX
	Estancias litorales, ambientes salinos/ Coastal areas with saline environments/ Installations littorales et milieux salins	ORION, MUSTANG, RINOX, TR3
	Zona industrial/ Industrial Areas/ Zone industrielle	MUSTANG, RINOX, RANGE, CHEMICAL, MODELO M, TR2
	Industrial alimentaria/ Food Industry/ Industrie agroalimentaire	FARM LED, FARM
	Granjas/ Farms/ Fermes	FARM LED, FARM
	Viveros e invernaderos/ Nurseries and Greenhouses/ Pépinières	FARM LED, FARM
	Presencia de productos químicos/ Chemical product presence/ Présence de produits chimiques	RANGE, CHEMICAL
	Lavandería y tintorería/ Laundry and Dry Cleaning/ Blanchisseries et teintureries	CHEMICAL, RANGE
	Instalaciones hospitalarias/ Hospitals/ Installations hospitalières	RANGE, CHEMICAL
	Área de carga y descarga/ Loading and Unloading areas/ Zones charge et décharge	THUNDER, RESIST

TABLEAU D'APPLICATIONS

	Puentes/ Bridges/ Ponts	THUNDER, EXCALIBUR, RESIST, TR4, COMPACT
	Zonas de altas temperaturas/ High temperatures Zones Zones hautes températures	THUNDER, RESIST, TR2
	Túneles de carretera/ Roat tunnel/ Tunnel routier	TUNNEL LED, TUNNEL, EMELUX LED
	Párkins/ Parkings/ Parkings	PISTON, SUPRA, PISTON ECO, TR3, ORION, MODELO M, TUNNEL, TUNNEL LED
	Hornos y pasillos de altos hornos/ Ovens, Blast furnaces/ Fours, couloirs hauts fourneaux	OVEN
	Fundiciones/ Foundries/ Fonderies	OVEN
	Zonas de ultracongelación/ Ultrafreezing Zones/ Chambres de surgélation	FROZEN
	Zonas de muy bajas temperaturas/ Very Low Temperature zones/ Zones hautes températures	FROZEN, TR3, ORION
	Talleres de reparación de vehículos/ Vehicle Repair Shops/ Garages de réparation de véhicules	SILVER, TR2, FARM
	Piscinas, gimnasios/ Pools, Gyms/ Piscines, gymnases	EXCALIBUR, TR2, SILVER, TR4, COMPACT
	Campanas industriales/ Industrial hoods/ Hottes de cuisines industrielles	TR2, FARM
	Cámaras frigoríficas/ Freezers, Food industry/ Chambres de surgélation	TR3, ORION
	Monumentos/ Monuments/ Monuments	TR4, EXCALIBUR, TR3, ORION
	Fuentes/ Fountains/ Fontaines	COMPACT



TR3

Residencia Estudiantes, Manresa, España. Luminaria TR3, por el arquitecto Xavier Tragant
Student housing, Manresa, Spain. TR3 luminaire, by Xavier Tragant architect
Foyer d' étudiants, Manresa, Espagne. TR3 luminaire, Xavier Tragant architecte



TR3

Residencia Estudiantes, Manresa, España. Luminaria TR3, por el arquitecto Xavier Tragant
Student housing, Manresa, Spain. TR3 luminaire, by Xavier Tragant architect
Foyer d'étudiants, Manresa, Espagne. TR3 luminaire, Xavier Tragant architecte





TR3
Pull&Bear



TR3

Arquitectos: Arenas Basabe Palacios arquitectos
Fotografía: Imagen Subliminal



TR3

Arquitectos: Arenas Basabe Palacios arquitectos
Fotografía: Imagen Subliminal



TR3 personalizada / TR3 custom made / TR3 creation sur mesure

Estadio de Fútbol Nuevo San Mamés, Bilbao, España

New San Mamés Football Stadium, Bilbao, Spain

Nouveau Stade de Football de San Mamés, Bilbao, Espagne



TR3 personalizada / TR3 custom made / TR3 creation sur mesure

Estadio de Fútbol Nuevo San Mamés, Bilbao, España

New San Mamés Football Stadium, Bilbao, Spain

Nouveau Stade de Football de San Mamés, Bilbao, Espagne



ATEX
EX / ATEX

2.1		PYROS LED Zona 1,21 IP66 IK10 Módulo LED/ LED module/ Module LED	   	/ 120
2.2		PYROS BLOCK LED Zona 1,21 IP66 IK07 Módulo LED/ LED module/ Module LED	   	/ 124
2.3		PYROS Zona 1,21 IP66 IK10 Tubo LED-Fluorescente/ LED tube-lamp/ Tube LED-lampe	   	/ 126
2.4		VITRA LED Zona 1,21 IP66 IK07 Módulo LED/ LED module/ Module LED	   	/ 130
2.5		VITRA Zona 1,21 IP66 IK07 Tubo LED-Fluorescente/ LED tube-lamp/ Tube LED-lampe	   	/ 132
2.6		FLAME Zona 1,21 IP68 IK10 Tubo Fluorescente/ Lamp/ Lampe	   	/ 136
2.7		LED SECURE Zona 2, 22 IP68 IK10 Módulo LED/ LED module/ Module LED	    	/ 138
2.8		SECURE BLOCK Zona 2, 22 IP68 IK10 Módulo LED/ LED module/ Module LED	   	/ 140
2.9		SECURE Zona 2, 22 IP68 IK10 Tubo LED-Fluorescente/ LED tube-lamp/ Tube LED-lampe	    	/ 142
2.10		WATEX Zona 2, 22 IP66 IK07 Módulo LED/ LED module/ Module LED	   	/ 146
2.11		ATEX LED MAX Zona 2, 22 IP66 Módulo LED/ LED module/ Module LED	   	/ 150
2.12		MINEX Zona 1, 21 IP65	  	/ 152
2.13		LUMEX Zona 1, 21 IP65	    	/ 154
2.14		TAURUS Zona 1, 21 IP65	  	/ 156
2.15	MARCADO ATEX - CUADRO DE APLICACIONES EX MARKINGS - APPLICATIONS CHART MARQUAGE ATEX - TABLEAU D'APPLICANTIONS			/ 158

2.1

PYROS LED



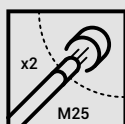
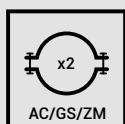
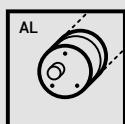
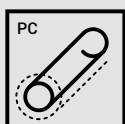
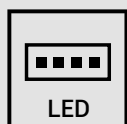
+ **Brida**
Clamp
Collier



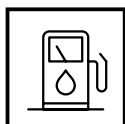
+ **Tapón EEx db**
Plug EEx db
Bouchon EEx db



+ **Prensaestopa EEx db**
Cablegland EEx db
Presse-étoupe EEx db



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1

MACADAM

3/4

UGR
<19

CR>80

L70B50
>
50.000

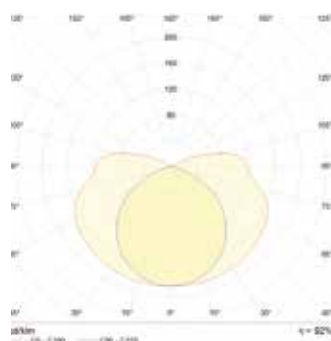
IP66
IK10

CE

2014/34/EU



II2GD
Ex db op is IIB+H2 T6 Gb
Ex op is tb IIIC T85°Db



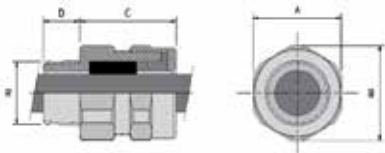
Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Tª color Tª colour Tª couleur	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(mm)	(W)	(Lm)	(°K)	(mm)	(mm)	(mm)	
PY113	600	14	2150	4000	748	150	208	1
PY123	600	28	4300	4000	748	150	208	1
PY213	1200	28	4300	4000	1357	150	208	1
PY223	1200	55	8600	4000	1357	150	208	1
PY313	1500	35	5370	4000	1659	150	208	1
PY323	1500	70	10740	4000	1659	150	208	1

ACCESORIOS PYROS LED/ PYROS LED ACCESORIES / ACCESSOIRES PYROS LED



PRENSAESTOPA CABLE ARMADO / ARMED CABLEGLAND EEX / PRESSE-ÉTOUPE ARMÉ EEX

Ref.	Tamaño de rosca (R) Thread size Taille du filet (R)				Dimensiones Dimensions Dimensions				Ø Exterior Ø Overall Ø Extérieur		
	Métrica Metrics Métrique	PG.	NPT	Gas cónica Gas conic Gaz conique	A	B	C	D	Min.	Max.	Tipo Type Tipo
EX507	M25x1,5	16 21	3/4" 1"	3/4" 1"	35	39	42	15	12	14	a



II 2 GD EEx db IIC T6

1-10
DALI

EMERGENCY
1h / 3h

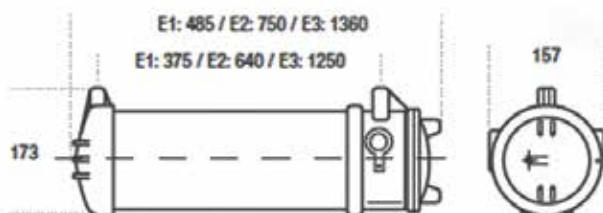
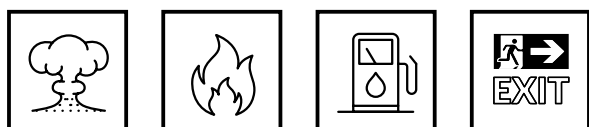


2.2

PYROS BLOCK LED



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1

MACADAM

3/4

UGR
<19

CR>80

L70B50
>
50.000

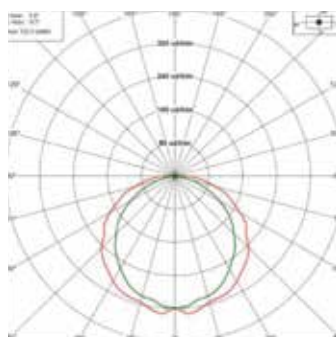
IP66
IK07

CE

2014/34/EU



II 2GD
Ex db IIC T6 Gb
Ex tb IIC T85°C Db



Ref.	Fuente de luz Light source Source de lumière (lm)	Autonomía Battery life Autonomie	Manteined Non Manteined	L (mm)	D (mm)	Embalaje Packaging Emballage
EXZ10	350	1H	NM	485	173	1
EXZ11	2100 / 750	1H	M / NM	485	173	1
EXZ12	750	1H	NM	750	173	1
EXZ13	4600 / 750	1H	M / NM	750	173	1
EXZ14	4600 / 750	1H	M / NM	1360	173	1
EXZ15	350	3H	NM	485	173	1
EXZ16	750	3H	NM	485	173	1
EXZ17	750	3H	NM	1360	173	1
EXZ18	4600 / 750	3H	M / NM	750	173	1
EXZ19	4600 / 750	3H	M / NM	1360	173	1

2.3

PYROS



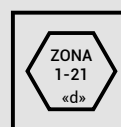
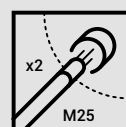
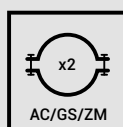
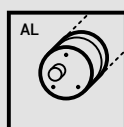
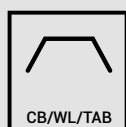
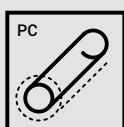
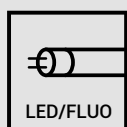
+ **Brida**
Clamp
Collier



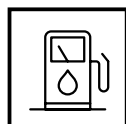
+ **Tapón EEx db**
Plug EEx db
Bouchon EEx db



+ **Prensaestopa EEx db**
Cablegland EEx db
Presse-étoupe EEx db



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP66

IK10

CE

2014/34/EU



II2GD
Ex db IIB+H2 T6 G
Ex tb IIIC T85°C Db

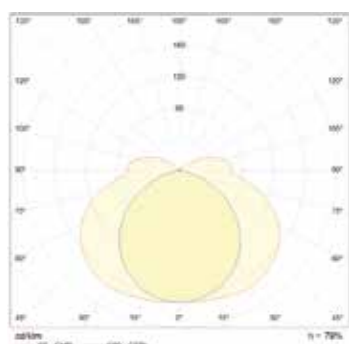


TUBO FLUORESCENTE / LAMP / LAMPE

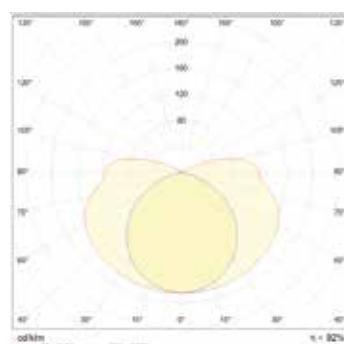
T8

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
EX005	1 x 18	■	748	190	208	1
EX001	1 x 36	■	1.357	190	208	1
EX009	1 x 58	■	1.659	190	208	1
EX006	2 x 18	■	748	190	208	1
EX002	2 x 36	■	1.357	190	208	1
EX010	2 x 58	■	1.659	190	208	1

■ Electrónica / Electronic / Électronique



1x



2x

2.3

PYROS

TUBO LED / LED TUBE / TUBE LED

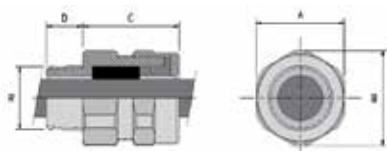
Ref.	Longitud tubo Tube lenght Longueur tube	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage	Peso Weight Poids
	(mm)	(mm)	(mm)	(mm)		(Kg)
EX005L	1 x 600	748	190	208	1	9,7
EX001L	1 x 1.200	1.357	190	208	1	11,5
EX009L	1 x 1.500	1.659	190	208	1	12,3
EX006L	2 x 600	748	190	208	1	9,7
EX002L	2 x 1.200	1.357	190	208	1	11,5
EX010L	2 x 1.500	1.659	190	208	1	12,3

ACCESORIOS PYROS / PYROS ACCESORIES / ACCESSOIRES PYROS



PRENSAESTOPA CABLE ARMADO / ARMED CABLEGLAND EEX / PRESSE-ÉTOUPE ARMÉ EEX

Ref.	Tamaño de rosca (R) Thread size Taille du filet (R)				Dimensiones Dimensions Dimensions				Ø Exterior Ø Overall Ø Extérieure		
	Métrica Metrics Métrique	PG.	NPT	Gas cónica Gas conic Gaz conique	A	B	C	D	Min.	Max.	Tipo Type Tipo
EX507	M25x1,5	16 21	3/4" 1"	3/4" 1"	35	39	42	15	12	14	a



Ex II 2 GD EEx db IIC T6

1-10
DALI

EMERGENCY
1h / 3h



IP66

IK10

CE

2014/34/EU

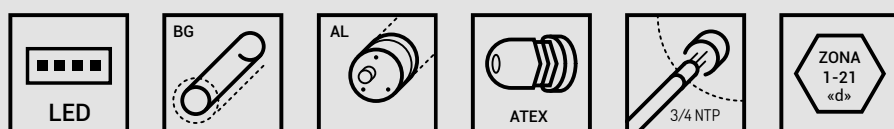


II2GD
Ex db IIB+H2 T6 G
Ex tb IIIC T85°C Db

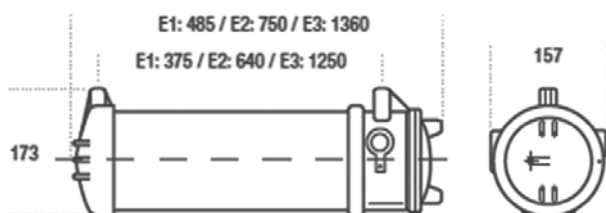
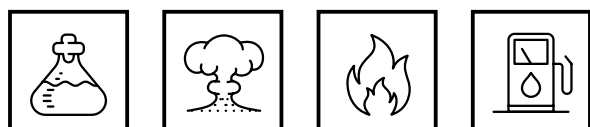


2.4

VITRA LED



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

RG1

MACADAM

3/4

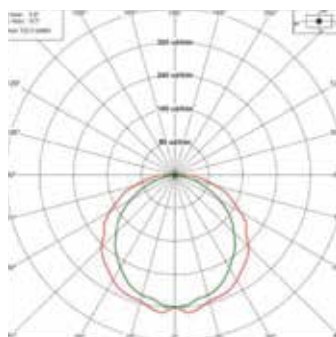
UGR
<19

CR>80

L70B50
>
50.000IP66
IK07

CE

2014/34/EU

II 2GD
Ex db IIC T6 Gb
Ex tb IIIC T85° Db

Ref.	Tamaño Size Dimension	Emisión bruta Gross output Flux de la source	L	D	Embalaje Packaging Emballage
	(mm)	(lm)	(mm)	(mm)	
EXZ05	485	1000	485	173	1
EXZ06	485	2000	750	173	1
EXZ07	750	2000	750	173	1
EXZ08	750	4000	750	173	1
EXZ09	1360	4000	1360	173	1

2.5

VITRA



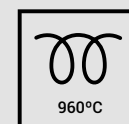
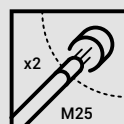
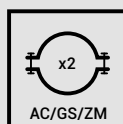
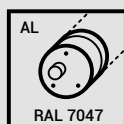
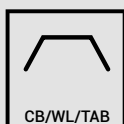
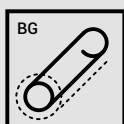
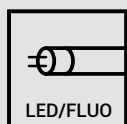
+ **Brida**
Clamp
Collier



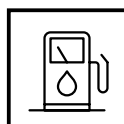
+ **Tapón EEx db**
Plug EEx db
Bouchon EEx db



+ **Prensaestopa EEx db**
Cablegland EEx db
Presse-étoupe EEx db



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP66

IK07

CE

2014/34/UE



II2GD
Ex db IIC T6 GB
Ex tb IIC T85°C Db

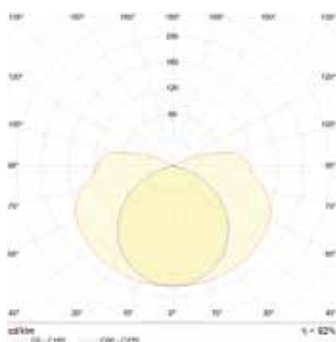


TUBO FLUORESCENTE / LAMP / LAMPE

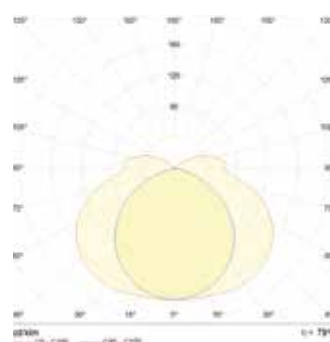
T8

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
EX201	1 x 18	■	748	190	208	1
EX203	1 x 36	■	1.357	190	208	1
EX205	2 x 18	■	748	190	208	1
EX207	2 x 36	■	1.357	190	208	1

■ Electrónica / Electronic / Électronique



1x



2x

2.5

VITRA

TUBO LED / LED TUBES/ TUBES LED

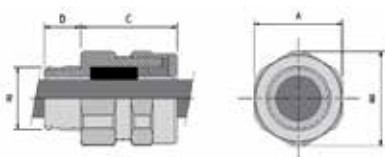
Ref.	Longitud tubo Tube lenght Longueur tube	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage	Peso Weight Poids
	(mm)	(mm)				(Kg)
EX201L	1 x 600	748	190	208	1	9,7
EX203L	1 x 1.200	1.357	190	208	1	11,5
EX205L	2 x 600	748	190	208	1	9,7
EX207L	2 x 1.200	1.357	190	208	1	11,5

ACCESORIOS VITRA / VITRA ACCESORIES / ACCESSOIRES VITRA



PRENSAESTOPA CABLE ARMADO / ARMED CABLEGLAND EEX / PRESSE-ÉTOUPE ARMÉ EEX

Ref.	Tamaño de rosca (R) Thread size Taille du filet (R)				Dimensiones Dimensions Dimensions				Ø Exterior Ø Overall Ø Extérieur		
	Métrica Metrics Métrique	PG.	NPT	Gas cónica Gas conic Gaz conique	A	B	C	D	Min.	Max.	Tipo Type Tipo
EX507	M25x1,5	16 21	3/4" 1"	3/4" 1"	35	39	42	15	12	14	a



II 2 GD EEx db IIC T6

1-10
DALI

EMERGENCY
1h / 3h

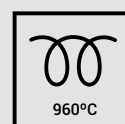
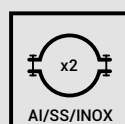
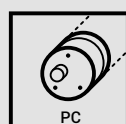
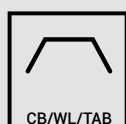
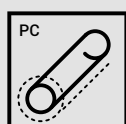
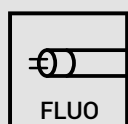


2.6

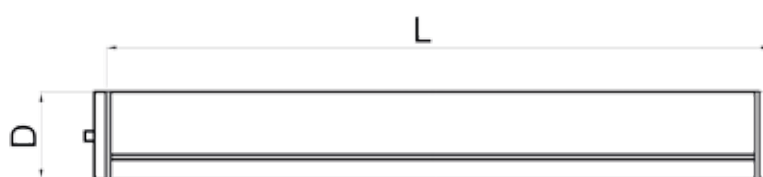
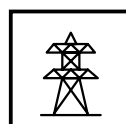
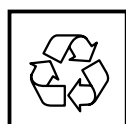
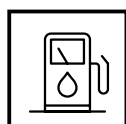
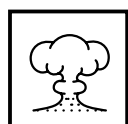
FLAME



Brida
Clamp
Collier



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP68-2

IK10

CE

2014/34/UE



II 2GD
Ex e mb IIC T4 Gb
Ex tb IIIC T85°C Db
(T95°C para 58W)

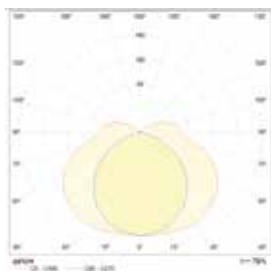


TUBO FLUORESCENTE / LAMP / LAMPE

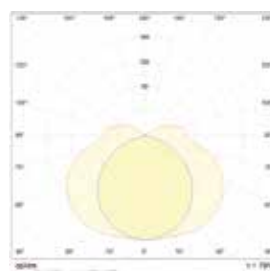
T8

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
EX301	1 x 18	■	775	100	133	1
EX302	1 x 36	■	1.385	100	133	1
EX303	1 x 58	■	1.685	100	133	1
EX304	2 x 18	■	775	100	133	1
EX305	2 x 36	■	1.385	100	133	1
EX306	2 x 58	■	1.685	100	133	1

■ Electrónica / Electronic / Électronique



1x



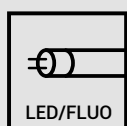
2x

2.7

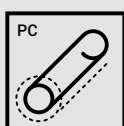
LED SECURE



Brida
Clamp
Collier



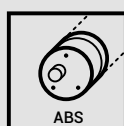
LED/FLUO



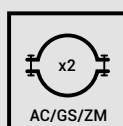
PC



RAB/BAR/RAB



ABS

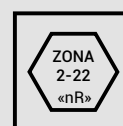
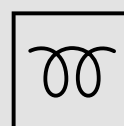


x2

AC/GS/ZM

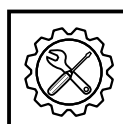
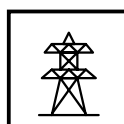
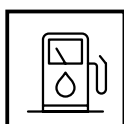
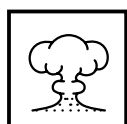


ATEX



ZONA
2-22
«nR»

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1

MACADAM

3/4

UGR
<19

CR>80

L70B50
>
50.000

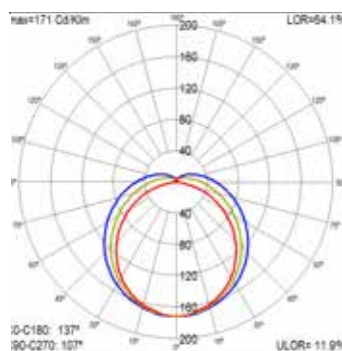
IP68-2
IK10

CE

2014/34/UE



II 3GD
Ex nR II C T6 Gc
Ex tb IIIC T85°C Dc



Ref.	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)	(lm)	(lm)	(°K)	(mm)	(mm)	(mm)	
LS113	13	1490	997	3000	727	83	133	1
LS114	13	1550	1037	4000	727	83	133	1
LS123	16	2560	1712	3000	727	83	133	1
LS124	16	2670	1786	4000	727	83	133	1
LS213	24	2980	1993	3000	1337	83	133	1
LS214	24	3200	2140	4000	1337	83	133	1
LS223	32	5120	3424	3000	1337	83	133	1
LS224	32	5340	3571	4000	1337	83	133	1
LS313	29	3720	2488	3000	1637	83	133	1
LS314	29	4000	2675	4000	1637	83	133	1
LS323	40	6310	4220	3000	1637	83	133	1
LS324	40	6700	4481	4000	1637	83	133	1

ACCESORIOS LED SECURE / LED SECURE ACCESORIES / ACCESSOIRES LED SECURE

LÍNEA CONTINUA
CONTINUOUS LINE CONNECTION
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

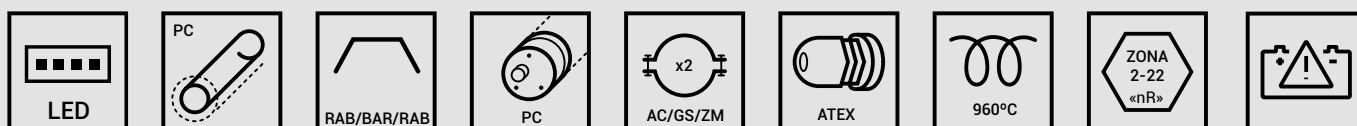
5 polos / 5 poles / 5 pôles

1-10
DALI

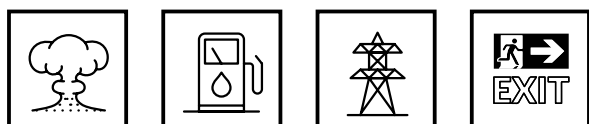
EMERGENCY
1h / 3h

2.8

SECURE BLOCK



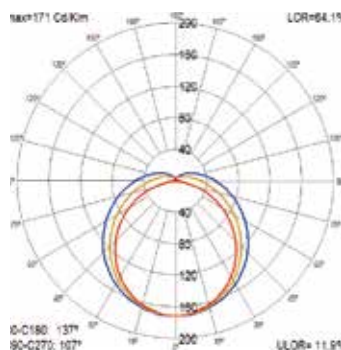
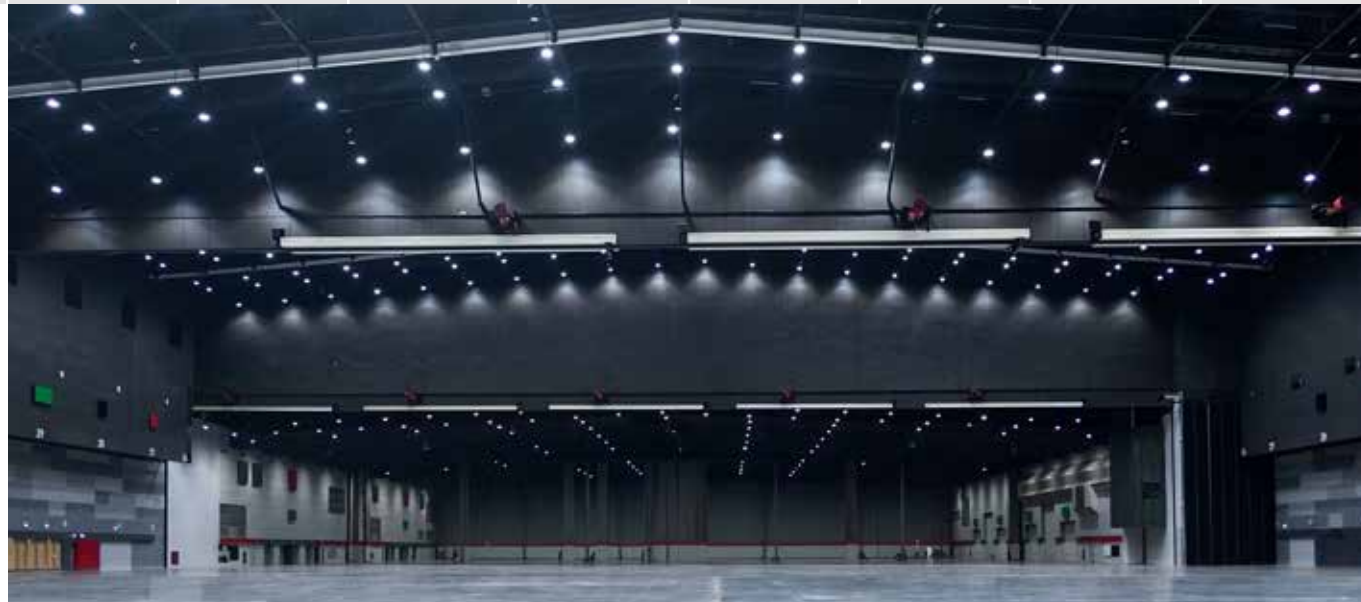
APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1	MACADAM 3/4	UGR <19	L70B50 > 50.000	IP68-2	IK10	CE	2014/34/EU Ex II 3GD Ex nR IIC T6 Gc Ex tb IIIC T85 °C Dc
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Ref.	Emission Light emission Intensité lum	Modo Mode Mode	Autonomía Autonomy Autonomie	Tª color Tª colour Tª couleur	L	D	Embalaje
	(lm)	(W)	(h)				
EXSB1	100	●	3	6000	415	81	1
EXSB4	100	●	3	6000	415	81	1
EXSB2	200	●	1,5	6000	415	81	1
EXSB5	200	●	1,5	6000	415	81	1
EXSB3	300	●	1	6000	415	81	1
EXSB6	300	●	1	6000	415	81	1

● Permanente / maintained / permanent ● No permanente / non-maintained / non permanent

ACCESORIOS LED SECURE / LED SECURE ACCESORIES / ACCESSOIRES LED SECURE



VINILO
VINYL
VINYLE

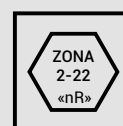
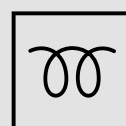
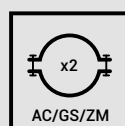
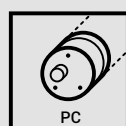
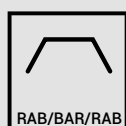
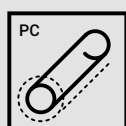
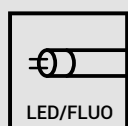
Ref. Q0310

2.9

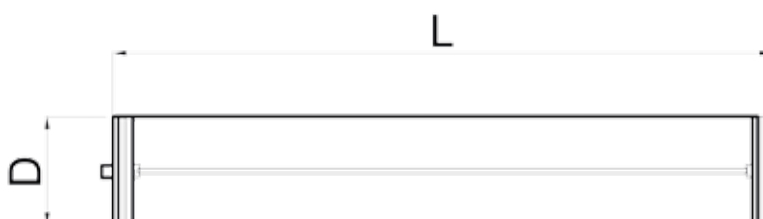
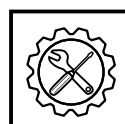
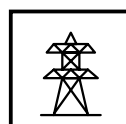
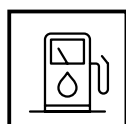
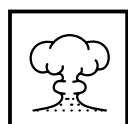
SECURE



Brida
Clamp
Collier



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP68-2

IK10

CE

2014/34/EU



II 3GD
Ex nR II C T6 Gc
Ex tb IIIC T85°C Dc

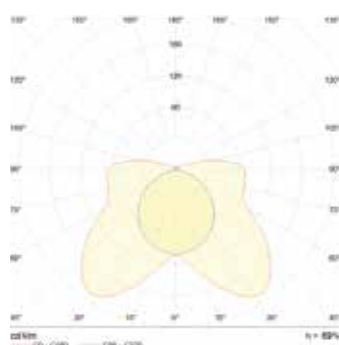


TUBO FLUORESCENTE / LAMP / LAMPE

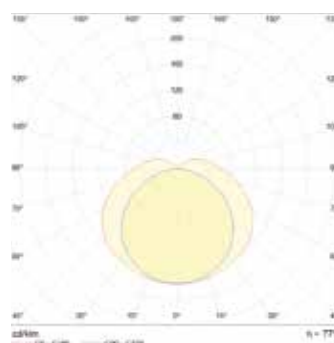
T8

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
EX601	1 x 18	■	709	100	113	1
EX602	1 x 36	■	1.319	100	113	1
EX603	1 x 58	■	1.624	100	113	1
EX612	2 x 18	■	709	100	113	1
EX613	2 x 36	■	1.319	100	113	1
EX614	2 x 58	■	1.624	100	113	1

■ Electrónica / Electronic / Électronique



1x



2x

2.9

SECURE

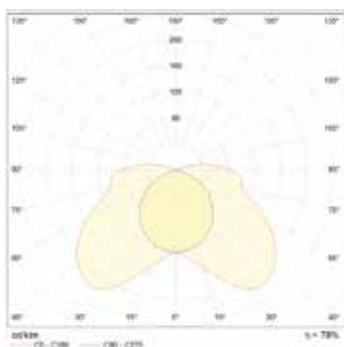
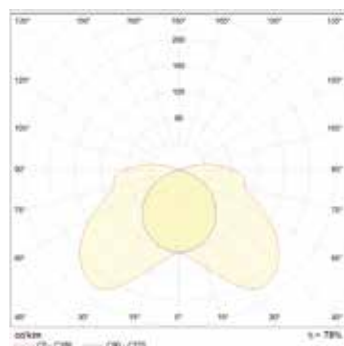


Brida
Clamp
Collier



TUBO FLUORESCENTE / LAMP / LAMPE

T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L (mm)	D (mm)	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
EX604	1 x 14	■	671	100	113	1
EX608	1 x 24	■	671	100	113	1
EX605	1 x 21	■	966	100	113	1
EX609	1 x 39	■	966	100	113	1
EX606	1 x 28	■	1.272	100	113	1
EX610	1 x 49	■	1.272	100	113	1
EX607	1 x 35	■	1.574	100	113	1
EX611	1 x 54	■	1.574	100	113	1
EX615	2 x 14	■	671	100	113	1
EX619	2 x 24	■	671	100	113	1
EX616	2 x 21	■	966	100	113	1
EX620	2 x 39	■	966	100	113	1
EX617	2 x 28	■	1.272	100	113	1
EX621	2 x 49	■	1.272	100	113	1
EX618	2 x 35	■	1.574	100	113	1
EX622	2 x 54	■	1.574	100	113	1

■ Electrónica / Electronic / Électronique



RG1	MACADAM 3/4	UGR <19	 CR>80	L70B50 > 50.000	IP68-2 IK10	CE	2014/34/EU  II 3GD Ex nR IIC T6 Gc. Ex tb IIIC T85°C Db
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TUBO LED / LED TUBE / TUBE LED

T8

Ref.	Longitud tubo Tube lenght Longueur tube	L	D	D + brida D + clamp D + fixations	Embalaje Packaging Emballage
	(mm)	(mm)	(mm)	(mm)	
EX601L	1 x 600	748	100	113	1
EX602L	1 x 1.200	1.357	100	113	1
EX603L	1 x 1.500	1.659	100	113	1
EX612L	2 x 600	748	100	113	1
EX613L	2 x 1.200	1.357	100	113	1
EX614L	2 x 1.500	1.659	100	113	1

ACCESORIOS SECURE/ SECURE ACCESORIES / ACCESSOIRES SECURE

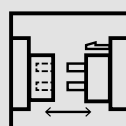
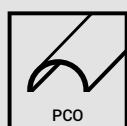
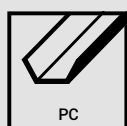
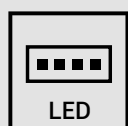


Ref. EX623

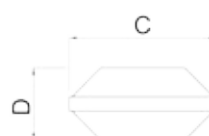
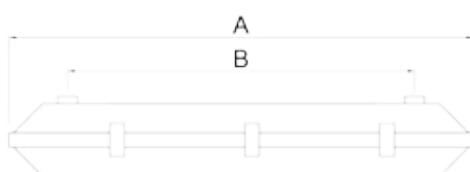
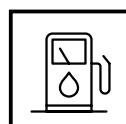
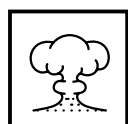
Bridas en plástico antiestático (2 uds.)
Antistatic plastic clamps (2 units)
Colliers en plastique antistatique (2 uts.)

2.10

WATEX



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP66

IK07

CE

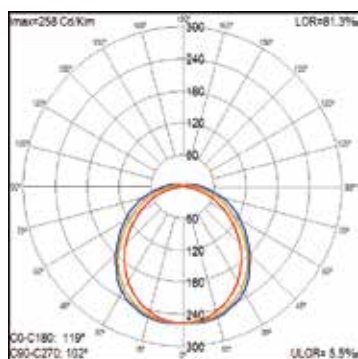
2014/34/EU



II 3GD
Ex nR IIC T5 Gc
Ex tb IIIC T100°C Dc



1 MODULO LED / 1 LED MODULE / MODULE LED

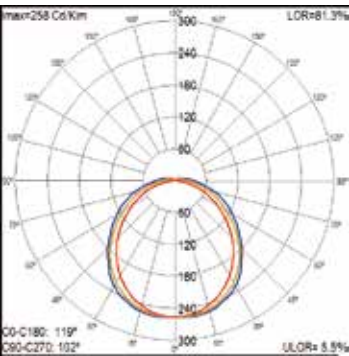


Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	A	B	C	D
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
EW113	600	13	1490	1210	3000	664	260	100	110
EW114	600	13	1550	1259	4000	664	260	100	110
EW123	600	16	2560	2079	3000	664	260	100	110
EW124	600	16	2670	2168	4000	664	260	100	110
EW213	1200	24	2980	2420	3000	1274	870	100	110
EW214	1200	24	3200	2598	4000	1274	870	100	110
EW223	1200	32	5120	4157	3000	1274	870	100	110
EW224	1200	32	5340	4336	4000	1274	870	100	110
EW313	1500	29	3720	3021	3000	1575	650	100	110
EW314	1500	29	4000	3248	4000	1575	650	100	110
EW323	1500	40	6310	5124	3000	1575	650	100	110
EW324	1500	40	6700	5440	4000	1575	650	100	110

2.10

WATEX

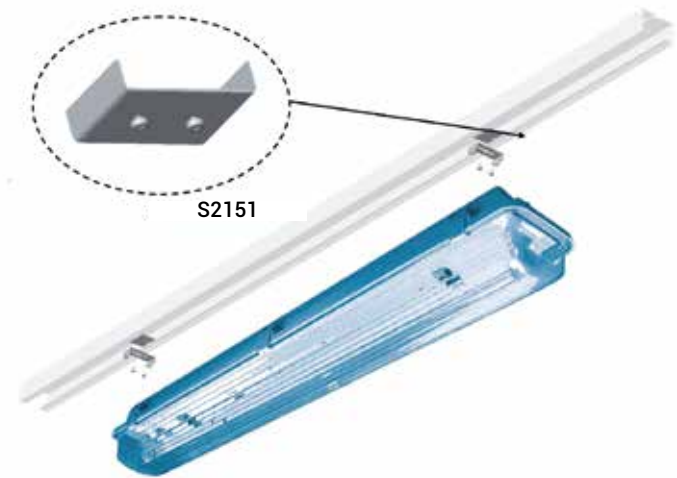
2 MODULOS LED / 2 LED MODULES / 2 MODULES LED



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	A	B	C	D
	(mm)	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
EY113	600	24	2980	2420	3000	664	260	160	110
EY114	600	24	3200	2598	4000	664	260	160	110
EY123	600	32	5120	4157	3000	664	260	160	110
EY124	600	32	5340	4336	4000	664	260	160	110
EY213	1200	48	5960	4840	3000	1274	870	160	110
EY214	1200	48	6400	5197	4000	1274	870	160	110
EY223	1200	64	10240	8315	3000	1274	870	160	110
EY224	1200	64	10680	8672	4000	1274	870	160	110
EY313	1500	58	7440	6041	3000	1575	650	160	110
EY314	1500	58	8000	6496	4000	1575	650	160	110
EY323	1500	80	12620	10247	3000	1575	650	160	110
EY324	1500	80	13400	10881	4000	1575	650	160	110

ACCESORIOS WATEX / WATEX ACCESSORIES / ACCESSOIRES WATEX

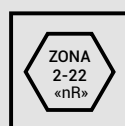
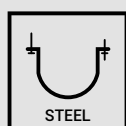
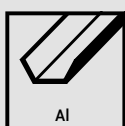
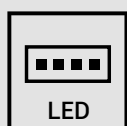
1-10 DALI	EMERGENCY 1h / 3h
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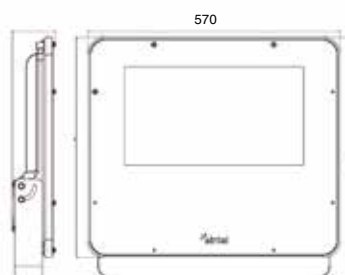
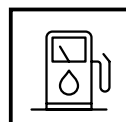


2.11

ATEX LED MAX



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

IP66

IK07



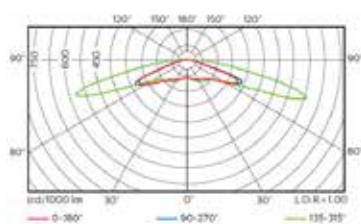
2014/34/EU



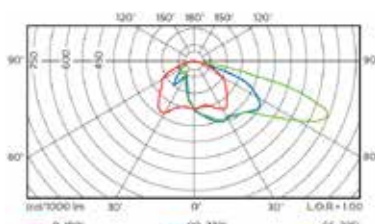
II 3GD
Ex nR IIC T5 Gc
Ex tb IIIC 100°C Dc



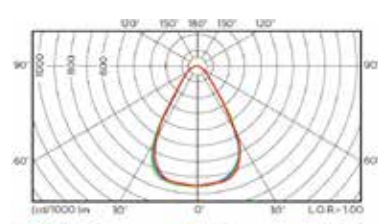
Ref.	Nº Módulos Modules Nº modules	Potencia Power Puissance	Equiv HM Equiv MH Equiv HM	Emisión bruta Gross output Flux de la source	Tª color Tª colour Tª couleur	Tamaño Size Dimension	Ancho Wide Large	Embalaje Packaging Emballage
		(W)	(W)	(lm)	(K°)	(mm)	(mm)	
PA104	2	48	70	6700	4000	570 x 496	98	1
PA204	4	97	150	13400	4000	570 x 496	98	1
PA304	6	146	250	20100	4000	570 x 496	98	1
PA404	8	194	400	26800	4000	570 x 496	98	1



Ref. +A



Ref. +B



Ref. +C

Esta luminaria puede utilizarse como proyectos o como campana industrial

This luminaire can be use as a projector and as a high bay/ Ce luminaire est approprié pour son installation comme projecteur et comme high bay industriel

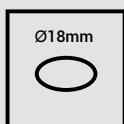
ACCESORIOS PROYECTOR ATEX LED MAX / PROYECTOR ATEX LED MAX

ACCESORIES / ACCESSOIRES PROYECTOR ATEX LED MAX

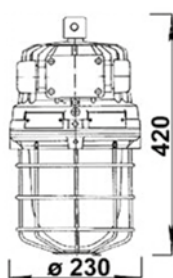
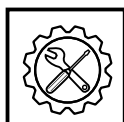
DALI

2.12

MINEX



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP65

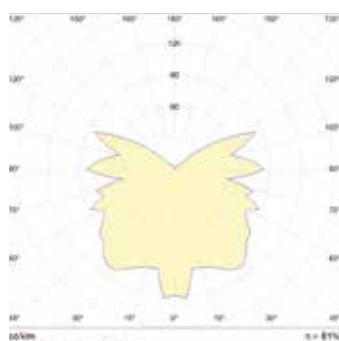
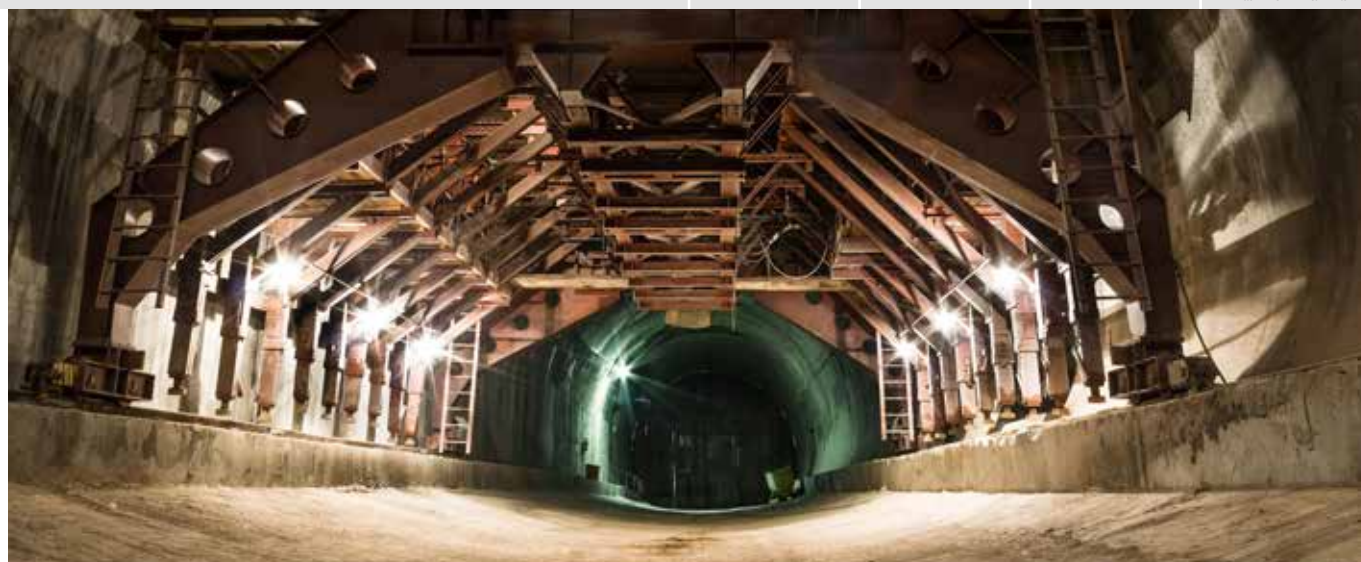
IK08

CE

2014/34/EU



I M2 Ex d I Mb
II 2GD
Ex db IIB T4-T6 Gb
Ex tb IIIC Tmax Db



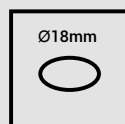
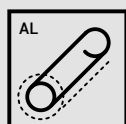
Ref.	Fuente de luz Light source Type de source	Clase temperatura Temperature classe Classe de température	Peso Weight Poids (Kg)
EX101	Incandescent 200 W E27	T4	18
	Incandescent 150 W E27	T5	
	Incandescent 60-100 W E27	T6	
	Compact 23 W E27	T6	
	Luz mezcla / Mixed-light / Lampe mixte 160 W E27	T5	
	Incandescent 100 W E27	T5	
EX102	V. de Sodio / Sodium 50 W E27	T4	19
EX103	V. de Sodio / Sodium 110 W E27	T4	19
EX105	Compact TC-D (G24d-3)	T6	19,5

ACCESORIOS MINEX/ MINEX ACCESORIES / ACCESSOIRES MINEX

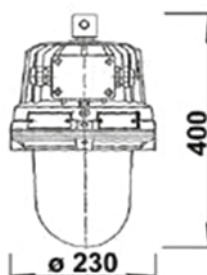
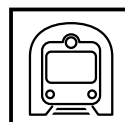
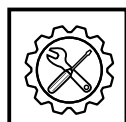
Ref.	
EX106	Rejilla protección sobre vidrio / Protective guard / Grille de protection pour le verre
EX107	Vidrio de repuesto / Flange with glass / Verre de remplacement
EX108	Campana reflectora / Lampshare / Réflecteur
EX109	Sujeción a techo / Holder for immovable fixing to ceiling / Fixation au plafond
EX110	Tapón ciego / Antivandalic polycarbonate / Embout
EX111	Filtro rojo / Optical red insert / Filtre rouge
EX113	Filtro verde / Optical green insert / Filtre vert
EX114	Vidrio con reflector (maximo 60 W) / Optical clear with refractor for signalling purposes / Verre avec réflecteur (maximum 60 W)
EX115	Brida prensaestopas para cables Ø 16-20 mm / Flange cable grand / Presse-étoupe pour câbles de Ø 16-20 mm.

2.13

LUMEX



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



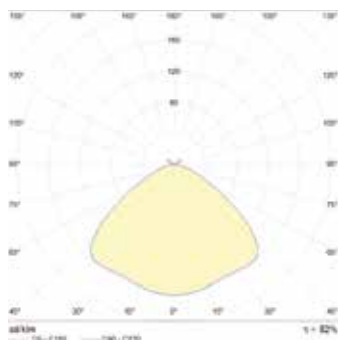
IP65

CE

2014/34/EU



II 2GD
Ex de IIC T4-T6 Gb
Ex de IIB T4-T6 Gb
(-50°C - +40°C)
Ex tb IIC Tmax Db



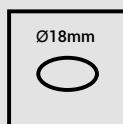
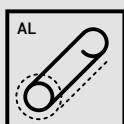
Ref.	Fuente de luz Light source Type de source	Clase temperatura Temperature classe Classe de température	Peso Weight Poids (Kg)
EX116	Incandescent 200 W E27	T4	8
	Incandescent 150 W E27	T4	
	Incandescent 60-100 W E27	T5	
	Luz mezcla / Mixed-light / Lampe mixte 160 W E27	T4	
EX117	V. de Sodio / Sodium 50 W E27	T4	8
EX118	V. de Sodio / Sodium 110 W E27	T3	9
EX119	Compact TC-D (G24d-3)	T6	9

ACCESORIOS LUMEX/ LUMEX ACCESORIES / ACCESSOIRES LUMEX

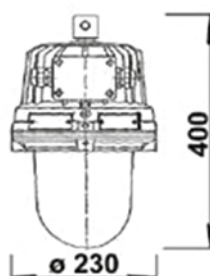
Ref.	
EX106	Rejilla protección sobre vidrio / Protective guard / Grille de protection pour le verre
EX120	Vidrio de repuesto / Flange with glass / Verre de remplacement
EX108	Campana reflectora / Lampshare / Réflecteur
EX109	Sujeción a techo / Holder for immovable fixing to ceiling / Fixation au plafond
EX121	Tapón ciego / Antivandalic polycarbonate / Embout
EX122	Tapón roscado / Blinding screw / Embout fileté
EX111	Filtro rojo / Optical red insert / Filtre rouge
EX113	Filtro verde / Optical green insert / Filtre vert
EX114	Vidrio con reflector (máximo 60 W) / Optical clear with refractor for signalling purposes / Verre avec réflecteur (maximum 60 W)

2.14

TAURUS



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



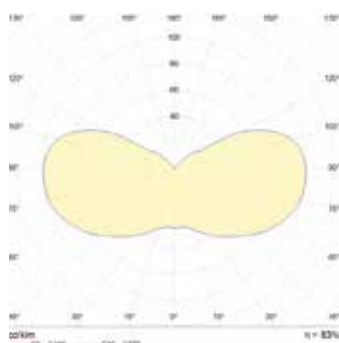
IP65

CE

2014/34/EU



II 2GD
Ex de tD A IIC T2-T5



Ref.	Fuente de luz Light source Type de source	Clase temperatura Temperature classe Classe de température	Peso Weight Poids (Kg)
EX131	V. de Sodio / Sodium 210 W E40	T4	26
EX132	V. de Sodio / Sodium 350 W E40	T2	27
EX133	H. Metalicos / Metal Halide 250 W E40	T3	26
	V. de Sodio / Sodium 250 W E40	T3	26
EX134	V. de Sodio / Sodium 400 W E40	T2	27
EX135	H. Metalicos / Metal Halide 400 W E40	T2	27
EX136	H. Metalicos / Metal Halide 150 W E40	T5	25
	V. de Sodio / Sodium 150 W E40	T5	25

ACCESORIOS TAURUS/ LUMEX ACCESORIES / ACCESSOIRES LUMEX



Ref.	
EX137	Rejilla protección sobre vidrio / Protective guard / Grille de protection pour le verre
EX138	Vidrio de puesto / Flange with glass / Verre de remplacement
EX139	Campana reflectora / Lampshare / Réflecteur
EX121	Tapón ciego / Antivandalic polycarbonate / Embout
EX122	Tapón roscado / Blinding screw / Embout fileté
EX140	Llave de apertura de luminaria / Wrench M 205 x 2 type / Clé d'ouverture du luminaire

GUÍA DE MARCADO ATEX / EX MARKING GUIDES / GUIDE MARQUAGE ATEX

	Categoría de aparatos Fixture category <i>Catégorie des appareils</i>	Ex	Modo de protección Protection mode <i>Mode de protection</i> db	Grupo de gases Gases group <i>Groupe de gaz</i> IIC	Clase de temperatura Temperature class <i>Classe de température</i> T6	Protección gases Gases protection <i>Protection aux gaz</i> Gb
	II 2 GD	Ex	Modo de protección Protection mode <i>Mode de protection</i> tb	Grupo de polvos Dusts group <i>Groupe de poussières</i> IIIC	Clase de temperatura Temperature class <i>Classe de température</i> T85° C	Protección polvo Dust protection <i>Protection aux poussières</i> Db

CLASIFICACIÓN DE LAS ZONAS ATEX / EX ZONE CLASSIFICATION / CLASSIFICATION DES ZONES ATEX

Aparatos del Grupo II: Industrias de superficie

Group II Fixtures: Above ground industries

Appareils du Groupe II: Industrie de surface

Zona Zone <i>Zone</i>	Categoría Category <i>Catégorie</i>	Presencia de ambientes explosivos Explosive environment presence <i>Présence d'ambiance explosive</i>
Zona / Zone / Zone 0 Zona / Zone / Zone 20	1G (gases y vapores / gases & vapors / gaz et vapeurs) 1D (polvos / dusts / poussières)	Constante, permanente Constant, permanent <i>Permanet, constant</i>
Zona / Zone / Zone 1 Zona / Zone / Zone 21	2G (gases y vapores / gases & vapors / gaz et vapeurs) 2D (polvos / dusts / poussières)	Ocasional, frecuente Occasional, frequent <i>Fréquent, occasionnel</i>
Zona / Zone / Zone 2 Zona / Zone / Zone 22	3G (gases y vapores / gases & vapors / gaz et vapeurs) 3D (polvos / dusts / poussières)	Nunca en servicio normal, solo durante breves periodos de tiempo Never in a normal service, only for short periods of time <i>Jamais pour un service normal, unique ment durant des brèves périodes</i>

Aparatos del Grupo I: Minas con Grisú

Group I Fixtures: Mines with fire-damp

Appareils du Groupe I: Mines avec du grisou

M1	Presencia (metano, polvo) Presence (methane, dust) <i>Présence (méthane, poussière)</i>
M2	Riesgo de presencia (metano, polvo) Presence Risk (methane, dust) <i>Risque de présence (méthane, poussière)</i>

MODOS DE PROTECCIÓN / PROTECTION MODES / MODES DE PROTECTION

Símbolo Symbol <i>Symbole</i>	Categoría Category <i>Catégorie</i>	Zona Zone <i>Zone</i>
d	Antideflagrante / Explosion proof / <i>Enveloppe antidéflagrante</i>	1,2
e	Seguridad aumentada / Increased security / <i>Sécurité augmentée</i>	1,2
ia	Seguridad intrínseca / Intrinsic security / <i>Sécurité intrinsèque</i>	0,1,2
ib	Seguridad intrínseca / Intrinsic security / <i>Sécurité intrinsèque</i>	1,2
o	Inmersión en aceite / Oil immersion / <i>Immersion en huile</i>	2
p	Presurizado / Pressurized / <i>Surpression</i>	1,2
q	Bajo arena / Below sand / <i>Remplissage de l'enveloppe par un matériau pulvérulent</i>	1,2
m	Encapsulado / Encapsulated / <i>Encapsulage</i>	1,2
n	Antichispas / Antisparks / <i>Pas de production d'étincelles</i>	2
op is	Radiación luminosa / Lighting radiation / <i>Radiation lumineuse</i>	0, 1, 2

CLASIFICACIÓN DE LOS GASES SEGÚN SU TEMPERATURA DE IGNICIÓN (*)

GAS CLASSIFICATION ACCORDING TO IGNITION TEMPERATURE (*)

CLASSIFICATION DES GAZ SELON LEUR TEMPERATURES D'IGNITION (*)

Grupos Groups Groupes	Gases Gases Gaz	Clases de temperatura Temperature classes Classe de températures					
		T1	T2	T3	T4	T5	T6
I	Metano (Grisú) / Methane (Fire-damp) / Méthane (Grisou)	•					
II	Acetona / Acetone / Acétone	•					
	Ácido acético / Acetic acid / Acide acétique	•					
	Amoniaco / Ammonia / Ammoniac	•					
	Etano / Ethane / Éthane	•					
	Cloruro de metileno / Methylene chloride / Dichlorométhane/Chlorure de méthylène	•					
	Metano (CH4) / Methane (CH4) / Méthane (CH4)	•					
	Óxido de carbono / Carbon oxide / Oxyde de carbone	•					
	Propano / Propane / Propane	•					
	N-Butano / N-Butane / N-Butane		•				
	N-Butil / N-Butyl / N-Butil		•				
	N-Hexano / N-Hexane / N-Hexane			•			
	Acetaldehído / Acetaldehyde / Éthanal/Acétaldéhyde				•		
	Eter etílico / Ethyl ether / Éther diéthylique/éthoxyéthane				•		
	Nitrito de etilo / Ethyl nitrite / Nitrite d'éthyle						•
	Etileno / Ethyl / Éthylène		•				
	Etil Óxido / Ethyl Oxide / Éthylène oxyde		•				
	Hidrógeno sulfurado / Sulfur Hydrogen / Sulfure d'hydrogène			•			
C	Acetileno (C2H2) / Acetylen (C2H2) / Acétylène (C2H2)		•				
	Sulfuro de carbono (CS2) / Carbon Sulfur (CS2)/ Sulfure de carbone (CS2)						•
	Hidrógeno (H2) / Hydrogene (H2) / Hydrogène(H2)	•					

(*) El material marcado como IIB se adapta a las aplicaciones que exigen material marcado como IIA, y IIC se adapta para IIA y IIB.

The material marked as IIB adapts to applications that require marked material as IIA, and IIC adapts to IIA & IIB.

Le matériel marqué comme IIB s'adapte aux applications exigées par le matériel marqué comme IIA, ainsi que le groupe IIC s'adapte pour IIA et IIB.

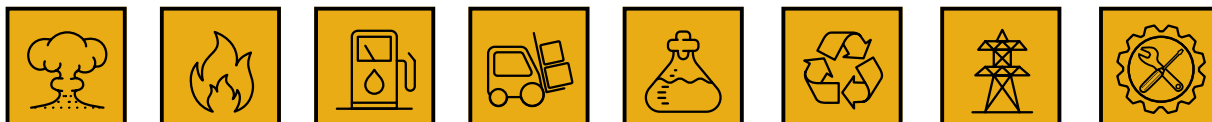
Temperatura máxima de la superficie (°C) Surface maximum temperature (°C) Température maximale de la surface (°C)	Clases de temperatura Temperature classes Classe de températures
T1	450
T2	300
T3	200
T4	135
T5	100
T6	85

2.15

CUADRO DE APLICACIONES / APPLICATIONS CHART / TABEL

	  				
MINEX	PYROS	LUMEX	FLAME	TAURUS	
Minería bajo tierra, incluyendo las que tengan riesgo de acumulación de gas grisú Underground mining, including those who are at risk of accumulation of firedamp <i>Exploitation minière souterraine, et qui sont à risque d'accumulation de grisou</i>	Zonas inmediatas a bocas de carga y descarga de combustible en exteriores Zone close to fuel valve and pumps <i>Zones adjacentes aux orifices de remplissage et de décharge de carburant</i>	Zona colindantes con válvulas y conexiones de conducciones de m. inflamable Zone close to valves and connectors in flammable pipes <i>Zones situées à proximité de robinets et de raccords de m. inflammable</i>	Almacenes de disolventes, pinturas o adhesivos volátiles Solvent, paint or glue warehouses <i>Entrepôts de solvants, de peintures ou d'adhésifs volatils</i>	Zonas cerradas (piscinas de fangos) de tratamiento de residuos urbanos Urban waste treatment centers (closed rooms) <i>Zones confinées (bassins de boues) destinées au traitement de déchets urbains</i>	Depósitos y zonas de manipulación de fertilizantes Fertilizer handling zones and warehouses <i>Dépôts et zones de manipulation d'engrais</i>
ZONA M	ZONA 1 - 21				





BLEAU D'APPLICATIONS

								
LUMEX		VITRA	TAURUS	SECURE - WATEX - PROYECTOR ATEX LED MAX				
Laboratorios con riesgo por manipulación de proyección de líquidos corrosivos Laboratories where corrosive liquid projections or heavy oil are possible <i>Laboratoires exposés + a des risques de projection de liquides corrosifs</i>	Cabinas de pintura con proyección de disolventes para limpieza Paint booth where solvents are used to cleaning operations <i>Cabines de peinture dans solvants sont projetés á des fins de nettoyage</i>	Zonas de producción con emisión de productos abrasivos (cloro) Production zones where abrasives (chlorine) are present <i>Zones de production caractérisées par l'émission de produits abrasifs (chlore)</i>	Conducciones de extracción de polvo (cementeras, extractores de cereales, etc.) Dust extraction pipe (cement factories, grain extractors, etc.) <i>Conduites d'extraction de poussière (cimenteries, extracteurs de céréales, etc.)</i>	Fosos de talleres Garage trenches <i>Fosses de garage</i>	Zonas de carga / descarga de cereales a cielo abierto Loading and unloading grain zones (open areas) <i>Zones de chargement / déchargement de céréales à ciel ouvert</i>	Almacenes de maquinaria (agrícola, industrial, etc.) Machinery warehouse (farming, industrial, etc.) <i>Entrepôts d'équipements (agricoles, industriels, etc.)</i>	Talleres de carpintería, barnizado de muebles Carpentry workshop, furniture varnishing <i>Ateliers de menuiserie, vernissage de meubles</i>	Surtidores de combustible (gasolineras). Zona no inmediata a las bocas de surtidor Fuel pumps (Gas stations, not immediate areas) <i>Pompes à essence (stations-service), zone non adjacente aux bacs des pompes</i>
ZONA 1 - 21				ZONA 2 - 22				





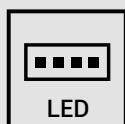
ILUMINACIÓN TÉCNICA

TECHNICAL LIGHTING / ÉCLAIRAGE TECHNIQUE

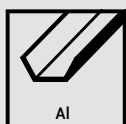
3.1		LOGIX IP44 Módulo LED/ LED module/ Module LED	  	/ 164
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3.1

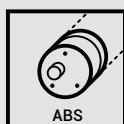
LOGIX



LED

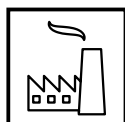


Al



ABS

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1

MACADAM

3/4

UGR
<19

CR>80

L70B50
>
50.000

IP44

CE

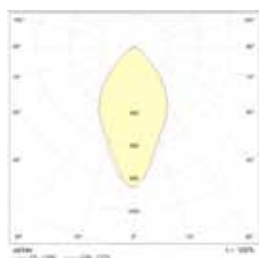
EN 60598-1



Ref	Nº Módulos	Potencia Watts Puissance	Emisión Light emission Intensité lum.	Tª color Tª colour Tª couleur	L	D
		(W)	(lm)	(K°)	(mm)	(mm)
CA214	2	26	4000	4000	572	67
CA314	3	38	6000	4000	858	67
CA414	4	51	8000	4000	1144	67
CA514	5	65	10000	4000	1430	67
CA614	8	102	16000	4000	2288	67
CA714	10	130	20000	4000	2860	67

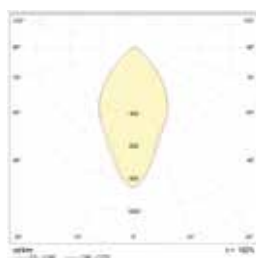
ÓPTICAS DISPONIBLES / AVAILABLE OPTICS / OPTIQUES DISPONIBLES

30° Ref + A



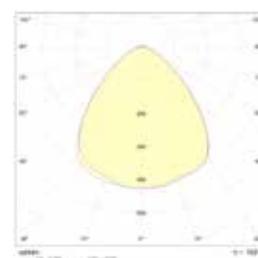
Uso hasta 14 m de altura / Use up to 14 m height / Utilisation jusqu'à 14 m de hauteur

60° Ref + B



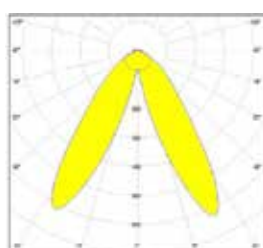
Uso hasta 8 m de altura / Use up to 8 m height / Utilisation jusqu'à 8 m de hauteur

90° Ref + C



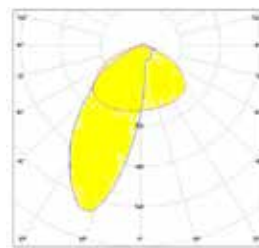
Uso hasta 5 m de altura / Use up to 5 m height / Utilisation jusqu'à 5 m de hauteur

DOBLE ASIMÉTRICO 25° Ref + D



Uso hasta 5 m de altura
/ Use up to 5 m height /
Utilisation jusqu'à 5 m de
hauteur

ASIMÉTRICO 20° Ref + E

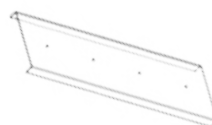
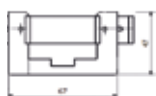


Uso hasta 5 m de altura
/ Use up to 5 m height /
Utilisation jusqu'à 5 m de
hauteur

3.1

LOGIX

ACCESORIOS LOGIX / LOGIX ACCESSORIES



Suspensión de acero
acero/ Steel cable sus-
pension /
Suspension avec câble
en acier

Ref. Q0349

Tapa final/
Endcap/ Embout

Ref. CA902

Pieza de unión angulo/
Corner rail joint /Pièce
d'union d'angles

Ref. CA901

Pieza de unión lineal/
Linear rail joint/

Ref. CA906

Carril precableado + tapa
ciega/ Electrified rail + rail
cap/

Ref. CA903

Pack inicio de carril/
Rail starter pack/ Kit debut de ligne

Ref. CA905

Suplemento precableado 7 polos/ Light fitting-rail 7 pole con-
nector/ Suplement cablage 7 fils

Ref. CA904

El modelo estandar incluye precableado 5 polos/ The standard
model includes 5 pole prewiring/ Le Modèle standard inclus un
pré câblage 5 Pôles

1-10
DALI

EMERGENCY
1h / 3h

Por cada línea es necesario un PACK INICIO DE CARRIL que incluye: tapa de inicio, tapa final y pieza conexión/

For each line is necessary one Rail Starter pack, that includes: initial cap, final cap and joint piece/

Un kit de début de ligne est nécessaire pour chaque alignement réalisé. Celui-ci inclus : 2 embouts pour le début et la fin de ligne, et une pièce de connexion



3.2

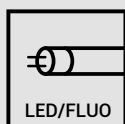
DELTA



1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE



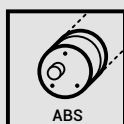
2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES



LED/FLUO

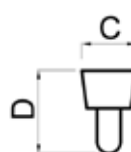
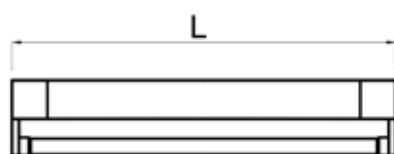


AP/LS/AL



ABS

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP 20



EN 60598-1

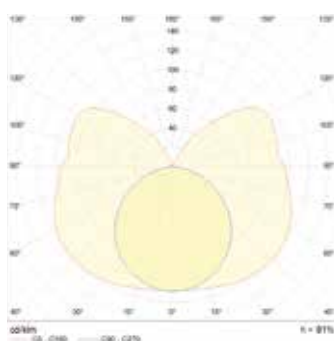


TUBO FLUORESCENTE / LAMP / LAMPE

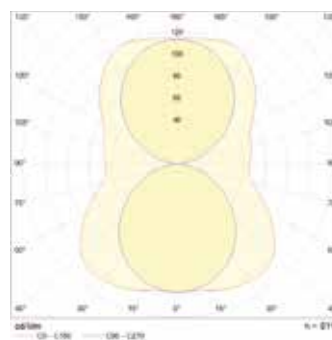
T8

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	C	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	(mm)	
D0049	1 x 18	■	624	85	60	1
D0050	1 x 36	■	1.233	85	60	1
D0051	1 x 58	■	1.534	85	60	1
D0052	2 x 18	■	624	41	136	1
D0053	2 x 36	■	1.233	41	136	1
D0054	2 x 58	■	1.534	41	136	1

■ Electrónica / Electronic / Électronique



1x



2x

3.2

DELTA



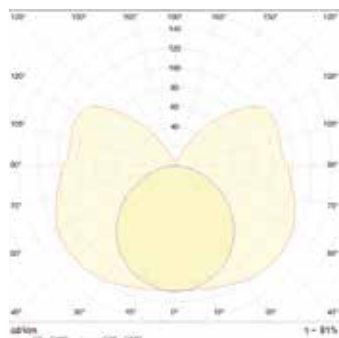
PORTALÁMPARAS DOBLE 2 TUBOS FLUORESCENTES

DOUBLE LAMPHOLDER 2 LAMPS

PORTE LAMPES DOUBLE 2 LAMPES

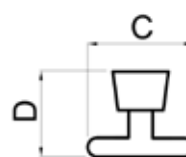
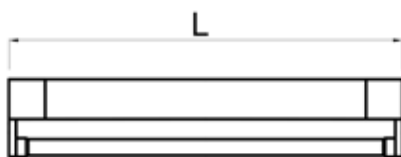
TUBO FLUORESCENTE / LAMP / LAMPE

T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	C	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
D0152	2 x 18	■	624	85	101	1
D0153	2 x 36	■	1.233	85	101	1
D0154	2 x 58	■	1.534	85	101	1

■ Electrónica / Electronic / Électronique





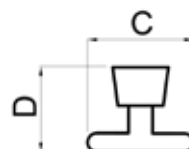
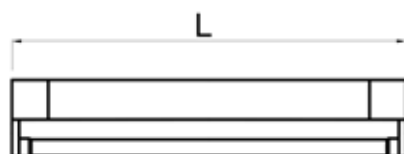
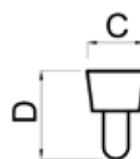
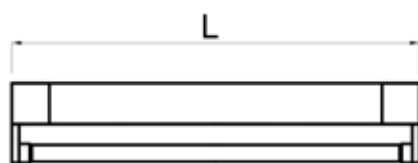
3.2

DELTA



1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE

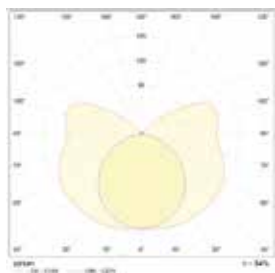
2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES



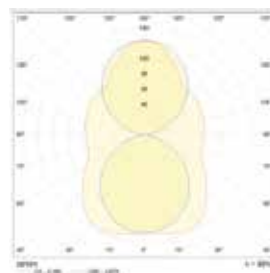
TUBO FLUORESCENTE / LAMP / LAMPE

T5

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	C	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
D0101	1 x 14	■	587	60	70	1
D0146	1 x 24	■	587	60	70	1
D0102	1 x 21	■	887	60	70	1
D0105	1 x 39	■	887	60	70	1
D0103	1 x 28	■	1.187	60	70	1
D0106	1 x 54	■	1.187	60	70	1
D0104	1 x 35	■	1.487	60	70	1
D0147	1 x 49	■	1.487	60	70	1
D0142	1 x 80	■	1.487	60	70	1
D0107	2 x 14	■	587	41	100	1
D0164	2 x 24	■	587	41	100	1
D0108	2 x 21	■	887	41	100	1
D0111	2 x 39	■	887	41	100	1
D0109	2 x 28	■	1.187	41	100	1
D0112	2 x 54	■	1.187	41	100	1
D0110	2 x 35	■	1.487	41	100	1
D0165	2 x 49	■	1.487	41	100	1
D0143	2 x 80	■	1.487	41	100	1



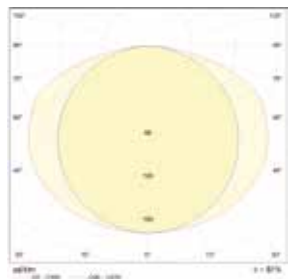
1x



2x

TUBO FLUORESCENTE / LAMP / LAMPE

T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	C	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
D0261	2 x 14	■	587	41	100	1
D0269	2 x 24	■	587	41	100	1
D0263	2 x 21	■	887	41	100	1
D0271	2 x 39	■	887	41	100	1
D0265	2 x 28	■	1.187	41	100	1
D0275	2 x 54	■	1.187	41	100	1
D0267	2 x 35	■	1.487	41	100	1
D0273	2 x 49	■	1.487	41	100	1
D0277	2 x 80	■	1.487	41	100	1

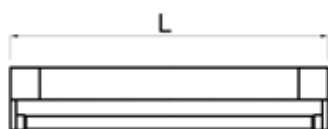
■ Electrónica / Electronic / Électronique

3.2

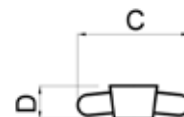
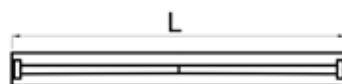
DELTA



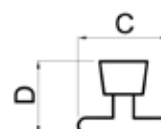
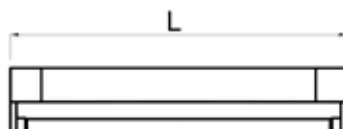
1 TUBO LED / 1 LED TUBE / 1 TUBE LED



2 TUBOS LED/ 2 LED TUBES / 2 TUBES LED



**2 TUBOS LED (PORTALÁMPARAS DOBLE/
DOUBLE LAMP HOLDER //PORTE LAMPES DOUBLE**



TUBO LED / LED TUBE / TUBE LED

T8

Ref.	Longitud Tubo Tube Length Longueur Tube	L	D	C	Embalaje Packaging Emballage
	(mm)	(mm)	(mm)	(mm)	
D0049L	1 x 600	624	83	60	1
D0055L	1 x 900	928	83	60	1
D0050L	1 x 1.200	1.233	83	60	1
D0051L	1 x 1.500	1.534	83	60	1
D0052L	2 x 600	624	41	136	1
D0056L	2 x 900	928	41	136	1
D0053L	2 x 1.200	1.233	41	136	1
D0054L	2 x 1.500	1.534	41	136	1

IP20

CE

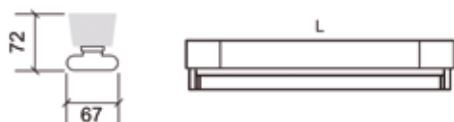
EN 60598-1

TUBOS LED (PORTALÁMPARAS DOBLE / DOUBLE LAMP HOLDER / PORTE LAMPES DOUBLE

T8

Ref.	Longitud Tubo Tube Length Longueur Tube	L	D	C	Embalaje Packaging Emballage
	(mm)	(mm)	(mm)	(mm)	
D0152L	600	624	85	101	1
D0156L	900	928	85	101	1
D0153L	1.200	1.233	85	101	1
D0154L	1.500	1.534	85	101	1

VERSIÓN CONEXIÓN RÁPIDA / QUICK CONNECTION / CONNECTION RAPIDE



Con reflector de aluminio brillante
With glossy aluminium reflector
Avec réflecteur en aluminium brillant



Posición final
Final position
Position finale

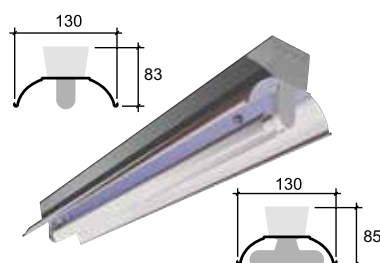


Ref.	D0187	D0188	D0190
	Conexión rápida Quick connection Connexion rapide	Interconector macho hembra Male-female interconnector Interconnecteur mâle-femelle	Cable de conexión Connection cable Connexion par câble

3.2

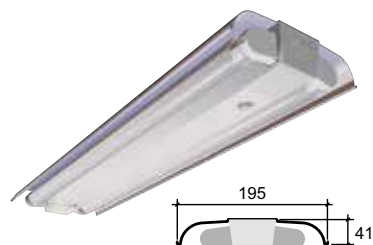
REFLECTORES REFLECTORS / RÉFLECTEURS

SIMÉTRICO 1 TUBO Y PORTALÁMPARAS DOBLE G13 SYMMETRICAL 1 LAMP AND DOUBLE LAMPHOLDER G13 SYMÉTRIQUE 1 LAMPE ET PORTE LAMPES DOUBLE G13



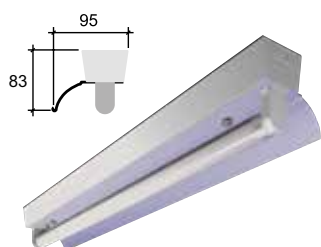
Ref.	Potencia Watts Puissance		L	D	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	
T8					
DA400	15	Chapa / Steel / Acier	471	130	1
DA4A0	15	Aluminio / Aluminium	471	130	1
DA100	18	Chapa / Steel / Acier	624	130	1
DA1A0	18	Aluminio / Aluminium	624	130	1
DA600	30	Chapa / Steel / Acier	928	130	1
DA6A0	30	Aluminio / Aluminium	928	130	1
DA200	36	Chapa / Steel / Acier	1233	130	1
DA2A0	36	Aluminio / Aluminium	1233	130	1
DA300	58	Chapa / Steel / Acier	1534	130	1
DA3A0	58	Aluminio / Aluminium	1534	130	1
T5					
DE100	14-24	Chapa / Steel / Acier	587	130	1
DE1A0	14-24	Aluminio / Aluminium	587	130	1
DE200	21-39	Chapa / Steel / Acier	857	130	1
DE2A0	21-39	Aluminio / Aluminium	857	130	1
DE300	28-54	Chapa / Steel / Acier	1187	130	1
DE3A0	28-54	Aluminio / Aluminium	1187	130	1
DE400	35-49-80	Chapa / Steel / Acier	1487	130	1
DE4A0	35-49-80	Aluminio / Aluminium	1487	130	1

SIMÉTRICO 2 TUBOS / SYMMETRICAL 2 LAMPS / SYMÉTRIQUE 2 LAMPES



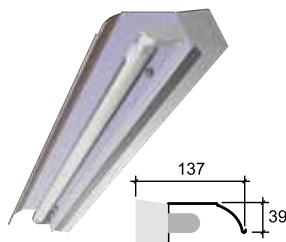
Ref.	Potencia Watts Puissance		L	D	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	
T8					
DB400	15	Chapa / Steel / Acier	471	195	1
DB4A0	15	Aluminio / Aluminium	471	195	1
DB100	18	Chapa / Steel / Acier	624	195	1
DB1A0	18	Aluminio / Aluminium	624	195	1
DB600	30	Chapa / Steel / Acier	928	195	1
DB6A0	30	Aluminio / Aluminium	928	195	1
DB200	36	Chapa / Steel / Acier	1233	195	1
DB2A0	36	Aluminio / Aluminium	1233	195	1
DB300	58	Chapa / Steel / Acier	1534	195	1
DB3A0	58	Aluminio / Aluminium	1534	195	1
T5					
DF100	14-24	Chapa / Steel / Acier	587	195	1
DF1A0	14-24	Aluminio / Aluminium	587	195	1
DF200	21-39	Chapa / Steel / Acier	857	195	1
DF2A0	21-39	Aluminio / Aluminium	857	195	1
DF300	28-54	Chapa / Steel / Acier	1187	195	1
DF3A0	28-54	Aluminio / Aluminium	1187	195	1
DF400	35-49-80	Chapa / Steel / Acier	1487	195	1
DF4A0	35-49-80	Aluminio / Aluminium	1487	195	1

ASIMÉTRICO E / ASYMMETRICAL E / ASYMÉTRIQUE E



Ref.	Potencia Watts Puissance	Material	L	D	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	
T8					
DC400	15	Chapa / Steel / Acier	471	83	1
DC4A0	15	Aluminio / Aluminium	471	83	1
DC100	18	Chapa / Steel / Acier	624	83	1
DC1A0	18	Aluminio / Aluminium	624	83	1
DC600	30	Chapa / Steel / Acier	928	83	1
DC6A0	30	Aluminio / Aluminium	928	83	1
DC200	36	Chapa / Steel / Acier	1233	83	1
DC2A0	36	Aluminio / Aluminium	1233	83	1
DC300	58	Chapa / Steel / Acier	1534	83	1
DC3A0	58	Aluminio / Aluminium	1534	83	1
T5					
DG100	14-24	Chapa / Steel / Acier	587	83	1
DG1A0	14-24	Aluminio / Aluminium	587	83	1
DG200	21-39	Chapa / Steel / Acier	857	83	1
DG2A0	21-39	Aluminio / Aluminium	857	83	1
DG300	28-54	Chapa / Steel / Acier	1187	83	1
DG3A0	28-54	Aluminio / Aluminium	1187	83	1
DG400	35-49-80	Chapa / Steel / Acier	1487	83	1
DG4A0	35-49-80	Aluminio / Aluminium	1487	83	1

ASIMÉTRICO i / ASYMMETRICAL i / ASYMÉTRIQUE i



Ref.	Potencia Watts Puissance	Material	L	D	Embalaje Packaging Emballage
	(W)		(mm)		
T8					
DD400	15	Chapa / Steel / Acier	471	30	1
DD4A0	15	Aluminio / Aluminium	471	30	1
DD100	18	Chapa / Steel / Acier	624	30	1
DD1A0	18	Aluminio / Aluminium	624	30	1
DD600	30	Chapa / Steel / Acier	928	30	1
DD6A0	30	Aluminio / Aluminium	928	30	1
DD200	36	Chapa / Steel / Acier	1233	30	1
DD2A0	36	Aluminio / Aluminium	1233	30	1
DD300	58	Chapa / Steel / Acier	1534	30	1
DD3A0	58	Aluminio / Aluminium	1534	30	1
T5					
DH100	14-24	Chapa / Steel / Acier	587	30	1
DH1A0	14-24	Aluminio / Aluminium	587	30	1
DH200	21-39	Chapa / Steel / Acier	857	30	1
DH2A0	21-39	Aluminio / Aluminium	857	30	1
DH300	28-54	Chapa / Steel / Acier	1187	30	1
DH3A0	28-54	Aluminio / Aluminium	1187	30	1
DH400	35-49-80	Chapa / Steel / Acier	1487	30	1
DH4A0	35-49-80	Aluminio / Aluminium	1487	30	1

3.2

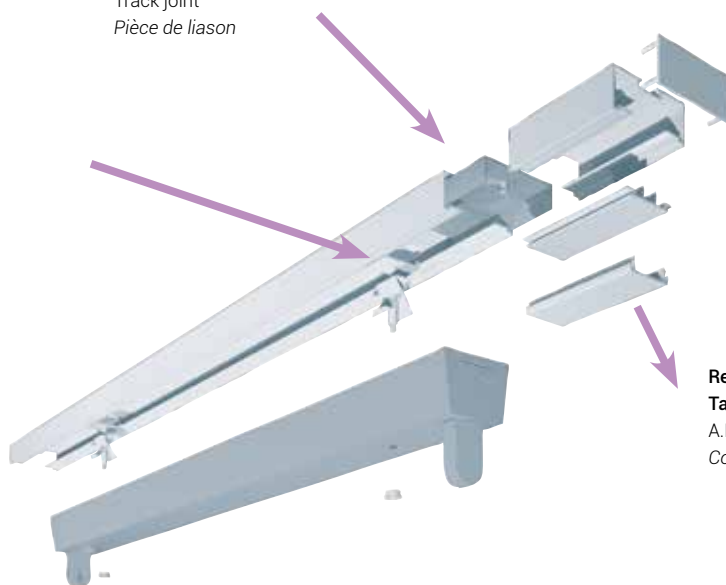
CARRILES Y ACCESORIOS

TRACKS AND ACCESSORIES / RAIL ET ACCESSOIRES

Carril Track Rail	T8			T5		Tapa final End cap Embout	Empalme Track joint Pièce de liaison	Sujeción a carril Fastener for track Fixation au RAIL
	Perfil Profile Profile	Carril Track Rail	Carril Track Rail	Carril Track Rail	Carril Track Rail			
		3070 (mm) 2 X 58	3700 (mm) 3 X 36	4620 (mm) 3 X 58	3000 (mm) 2 X 35/49	3598 (mm) 3 X 28/54		
		Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
CHAPA ACERO / LACQUERED STEEL / ACIER LAQUÉ 25 X 67,2 (mm)		D0059	D0060	D0174	D0039	D0125	D0034	D0064
								D0063

Ref. D0063
Sujeción a carril
Fastener for track
Fixation au RAIL

Empalme de carril
Track joint
Pièce de liaison



Ref. D0070
Tapa ciega de A.B.S.
A.B.S. track cap
Couvercle en A.B.S.

Ref.	D0191	D0025	D0074
	Fijación carril a perfil techo desmontable Track fastener to removable ceiling profile Fixation de carril au profil du plafond démontable	Tapa final difusor End cap for diffuser Embout diffuseur	Pieza alineación reflectores Reflector alignment piece Pièce d'alignement des réflecteurs

Difusor / Diffuser / Diffuseur

Ref.	D0026	D0027	D0029	D0030	D0031
(W)	15	18	30	36	58

Suspensiones / Suspensions / Suspensions

	Carril Track Rail	22,5 - 25	D0156	D0157	D0158	D0159	D0160	D0161
	Medida (mm)		Tija 95 Stem 95 Tige 95	Tija 250 Stem 250 Tige 250	Tija 500 Stem 500 Tige 500	Tija 1000 Stem 1000 Tige 1000	Tija 1500 Stem 1500 Tige 1500	con cable de acero 1900 With steel cable 1900 Avec câble en acier 1900



ACCESORIOS
ACCESORIES
ACCESOIRES



3.2

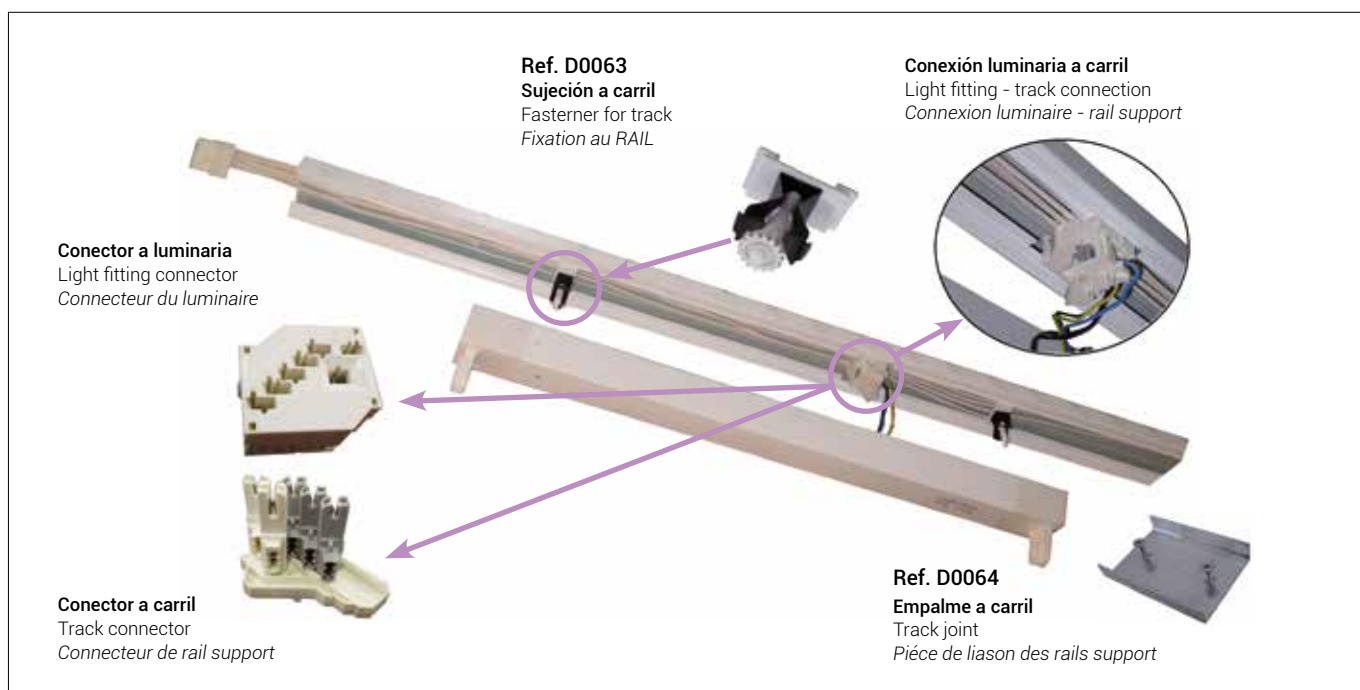
CARRILES Y ACCESORIOS TRACKS AND ACCESSORIES / RAIL ET ACCESSOIRES

CARRIL 5 HILOS / 5 WIRES TRACK / RAIL SUPPORT 5 FILS

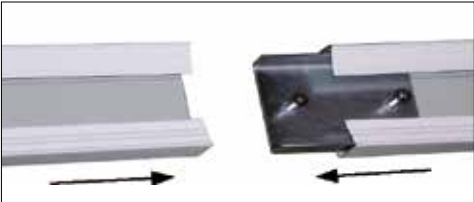
Carril Track Rail	Perfil Profile Profile	T8			T5	
		Carril Track Rail	Carril Track Rail	Carril Track Rail	Carril Track Rail	Carril Track Rail
		3070 (mm) 2 X 58	3700 (mm) 3 X 36	4620 (mm) 3 X 58	3000 (mm) 2 X 35/49	3598 (mm) 3 X 28/54
		Ref.	Ref.	Ref.	Ref.	Ref.
25 X 67,2 (mm)		D0043	D0047	D0172	D0179	D0180

CARRIL 7 HILOS / 7 WIRES TRACK / RAIL SUPPORT 7 FILS

Carril Track Rail	Perfil Profile Profile	T8			T5	
		Carril Track Rail	Carril Track Rail	Carril Track Rail	Carril Track Rail	Carril Track Rail
		3070 (mm) 2 X 58	3700 (mm) 3 X 36	4620 (mm) 3 X 58	3000 (mm) 2 X 35/49	3598 (mm) 3 X 28/54
		Ref.	Ref.	Ref.	Ref.	Ref.
CHAPA ACERO / LACQUERED STEEL / ACIER LAQUÉ 25 X 67,2 (mm)		D0044	D0048	D0173	D0181	D0182



Conexión entre carriles / Connection between tracks / Connecteur de RAIL

			
Ref.	D0070		D0066
			
Tapa ciega de A.B.S. Track cap on A.B.S. <i>Couvercle en A.B.S.</i>		Tapa ciega de aluminio Aluminium track cap <i>Couvercle en aluminium</i>	
			
Ref.	D0034		D0191
Tapa final de carril de chapa 25x64 End cap for lacquered steel track 25x64 <i>Embout final du rail support d'acier 25x64</i>		Fijación carril a perfil techo desmontable Track fastener to removable ceiling profile <i>Fixation de carril au profil du plafond démontable</i>	

(*) **No disponible para MiniDelta**
For Minidelta model not available
Non disponible pour Minidelta

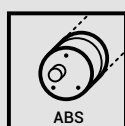
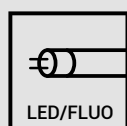
Para luminarias de 2 tubos con reflector debe usarse el portalámparas G13 doble.
For 2 tubes light fitting with reflector have to use double G13 lampholder.
Pour les luminaires avec 2 lampes et réflecteur doit être utilisé porte lampes double G13.

ACCESORIOS DELTA / DELTA ACCESSORIES / ACCESSOIRES DELTA

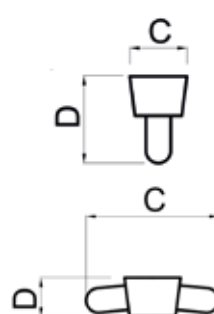
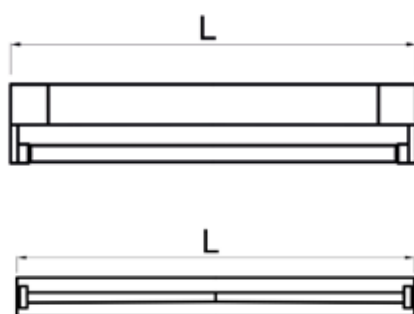
1-10 DALI	EMERGENCY 1h / 3h
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3.3

MINIDELTA



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

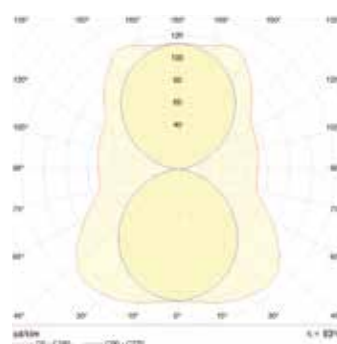
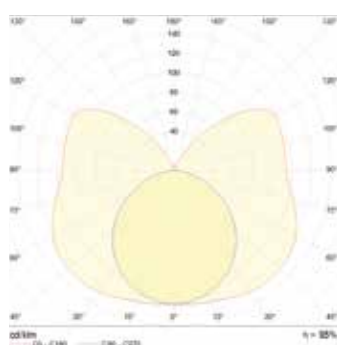
IP20



EN 60598-1

TUBO FLUORESCENTE / LAMP / LAMPE

T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	C	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
D0701	1 x 14	■	598	65	42	1
D0705	1 x 24	■	598	65	42	1
D0702	1 x 21	■	898	65	42	1
D0706	1 x 39	■	898	65	42	1
D0703	1 x 28	■	1.198	65	42	1
D0708	1 x 54	■	1.198	65	42	1
D0704	1 x 35	■	1.498	65	42	1
D0707	1 x 49	■	1.498	65	42	1
D0709	1 x 80	■	1.498	65	42	1
D0721	2 x 14	■	598	36	85	1
D0725	2 x 24	■	598	36	85	1
D0722	2 x 21	■	898	36	85	1
D0726	2 x 39	■	898	36	85	1
D0723	2 x 28	■	1.198	36	85	1
D0727	2 x 54	■	1.198	36	85	1
D0724	2 x 35	■	1.498	36	85	1
D0753	2 x 49	■	1.498	36	85	1
D0728	2 x 80	■	1.498	36	85	1

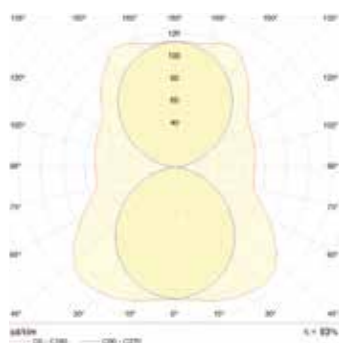
■ Electrónica / Electronic / Électronique

3.3

MINIDELTA



PORTALÁMPARAS DOBLE, 2 FLUORESCENTES /
DOUBLE LAMPHOLDER 2 LAMPS /
PORTE LAMPES DOUBLE, 2 LAMPES



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	C	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
D0737	2 x 14	■	598	65	85	1
D0741	2 x 24	■	598	65	85	1
D0738	2 x 21	■	898	65	85	1
D0742	2 x 39	■	898	65	85	1
D0739	2 x 28	■	1.198	65	85	1
D0743	2 x 54	■	1.198	65	85	1
D0740	2 x 35	■	1.498	65	85	1
D0755	2 x 49	■	1.498	65	85	1

■ Electrónica / Electronic / Électronique



Il capitano Yuri Gagarin, il primo uomo a orbitare intorno alla Terra, con i suoi compagni di volo.



Yuri Gagarin, il primo uomo a orbitare intorno alla Terra, con i suoi compagni di volo.



Il primo volo spaziale umano, quello di Yuri Gagarin, il primo uomo a orbitare intorno alla Terra.

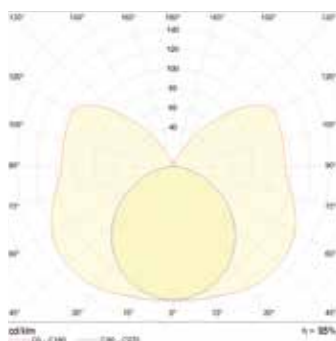


3.3

MINIDELTA

TUBO FLUORESCENTE / LAMP / LAMPE

T8



Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	C	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	(mm)	
D0771	1 x 18	■	635	65	42	1
D0773	1 x 36	■	1.244	65	42	1
D0775	1 x 58	■	1.545	65	42	1

■ Electrónica / Electronic / Électronique



TUBO LED / LED TUBE / TUBE LED

T8



Ref.	Longitud Tubo Tube Length <i>Longueur Tube</i>	L	D	C	Embalaje Packaging <i>Emballage</i>
	(mm)	(mm)	(mm)	(mm)	
D0771L	1 x 600	624	65	42	1
D0777L	1 x 900	928	65	42	1
D0773L	1 x 1.200	1.233	65	42	1
D0775L	1 x 1.500	1.534	65	42	1

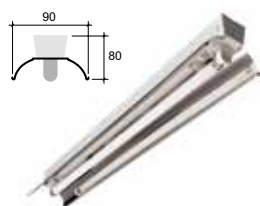
IP20



EN 60598-1

REFLECTORES MINIDELTA / MINIDELTA REFLECTOR / REFLECTEUR MINIDELTA

SIMÉTRICO 1 TUBO / SYMMETRICAL 1 LAMP / SYMÉTRIQUE 1 LAMPE



Ref.	Potencia Watts Puissance	Material	L	Embalaje Packaging Emballage
	(W)		(mm)	
DK100	14-24	Chapa / Steel / Acier	598	1
DK1A0	14-24	Aluminio / Aluminium	598	1
DK200	21-39	Chapa / Steel / Acier	898	1
DK2A0	21-39	Aluminio / Aluminium	898	1
DK300	28-54	Chapa / Steel / Acier	1.198	1
DK3A0	28-54	Aluminio / Aluminium	1.198	1
DK400	35-49-80	Chapa / Steel / Acier	1.498	1
DK4A0	35-49-80	Aluminio / Aluminium	1.498	1

SIMÉTRICO 2 TUBOS / SYMMETRICAL 2 LAMPS / SYMÉTRIQUE 2 LAMPES



Ref.	Potencia Watts Puissance	Material	L	Embalaje Packaging Emballage
	(W)		(mm)	
DJ100	14-24	Chapa / Steel / Acier	598	1
DJ1A0	14-24	Aluminio / Aluminium	598	1
DJ200	21-39	Chapa / Steel / Acier	898	1
DJ2A0	21-39	Aluminio / Aluminium	898	1
DJ300	28-54	Chapa / Steel / Acier	1.198	1
DJ3A0	28-54	Aluminio / Aluminium	1.198	1
DJ400	35-49-80	Chapa / Steel / Acier	1.498	1
DJ4A0	35-49-80	Aluminio / Aluminium	1.498	1

ASIMÉTRICO E / ASYMMETRICAL E / ASYMÉTRIQUE E



Ref.	Potencia Watts Puissance	Material	L	Embalaje Packaging Emballage
	(W)		(mm)	
DL100	14-24	Chapa / Steel / Acier	598	1
DL1A0	14-24	Aluminio / Aluminium	598	1
DL200	21-39	Chapa / Steel / Acier	898	1
DL2A0	21-39	Aluminio / Aluminium	898	1
DL300	28-54	Chapa / Steel / Acier	1.198	1
DL3A0	28-54	Aluminio / Aluminium	1.198	1
DL400	35-49-80	Chapa / Steel / Acier	1.498	1
DL4A0	35-49-80	Aluminio / Aluminium	1.498	1

ASIMÉTRICO 2 TUBOS / SYMMETRICAL 2 LAMPS / SYMÉTRIQUE 2 LAMPES



Ref.	Potencia Watts Puissance	Material	L	Embalaje Packaging Emballage
	(W)		(mm)	
DM100	14-24	Chapa / Steel / Acier	598	1
DM1A0	14-24	Aluminio / Aluminium	598	1
DM200	21-39	Chapa / Steel / Acier	898	1
DM2A0	21-39	Aluminio / Aluminium	898	1
DM300	28-54	Chapa / Steel / Acier	1.198	1
DM3A0	28-54	Aluminio / Aluminium	1.198	1
DM400	35-49-80	Chapa / Steel / Acier	1.498	1
DM4A0	35-49-80	Aluminio / Aluminium	1.498	1

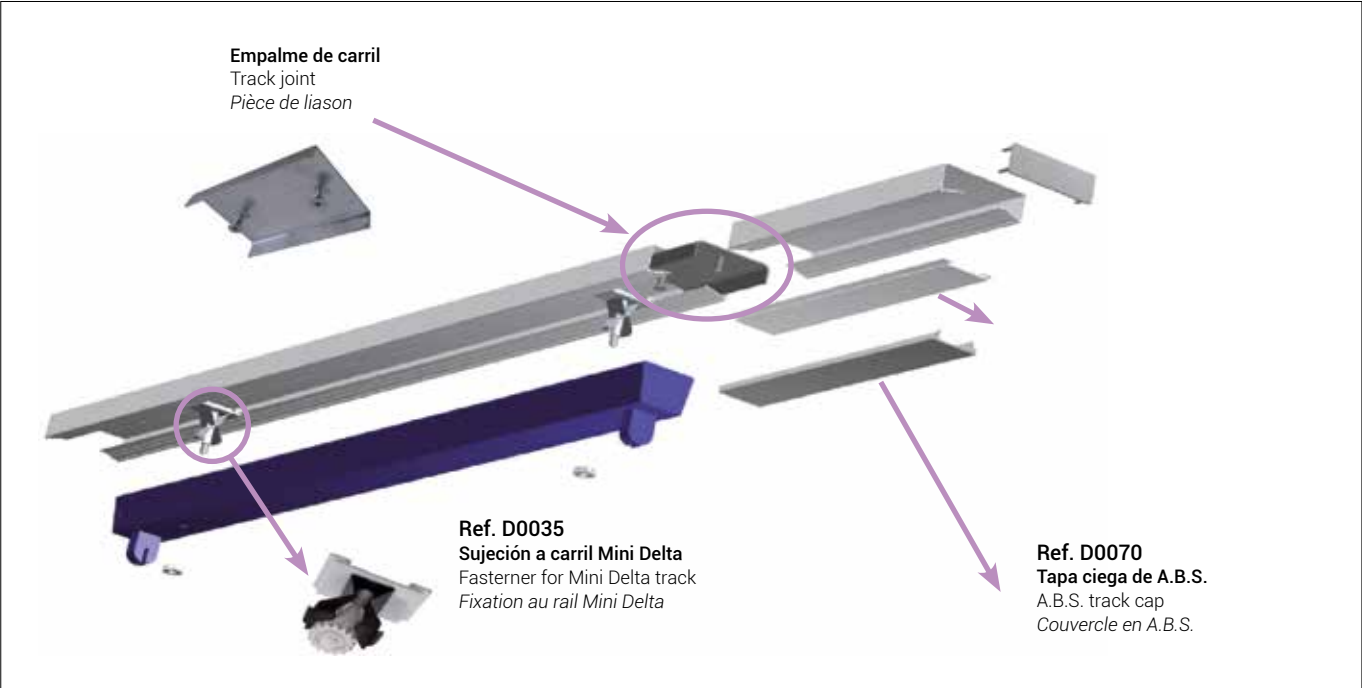
3.3

MINIDELTA

ACCESORIOS MINIDELTA / MINIDELTA ACCESSORIES / ACCESSOIRES MINIDELTA

CARRILES Y ACCESORIOS
TRACKS AND ACCESSORIES
CHEMINS LIMINEUX ET ACCESSOIRES

	Perfil Profile Profile	Carril Track Rail 3000 (mm) 2 X 35/49 Ref.	Carril Track Rail 3598 (mm) 3 X 28/54 Ref.	Tapa final End cap Embout Ref.	Empalme Track joint Pièce de liaison Ref.
CHAPA ACERO / LACQUERED STEEL / ACIER LAQUÉ 25 X 67,2 (mm)		D0039	D0125	D0034	D0064





Ref.

D0191

D0074

Fijación carril a perfil techo desmontable

Track fastener to removable ceiling profile

Fixation de carril au profil du plafond démontable

Pieza alineación reflectores

Reflector alignment piece

Pièce d'alignement des réflecteurs

Suspensiones / Suspensions / Suspensions



Carril
Track
Rail

22,5 - 25

D0156

D0157

D0158

D0159

D0160

D0161

(mm)

Tija 95
Stem 95
Tige 95

Tija 250
Stem 250
Tige 250

Tija 500
Stem 500
Tige 500

Tija 1000
Stem 1000
Tige 1000

Tija 1500
Stem 1500
Tige 1500

con cable de acero 1900
With steel cable 1900
Avec câble en acier 1900

3.3

MINIDELTA

OPCIÓN CONEXIÓN RÁPIDA / QUICK CONNETION OPTION / OPCION CONNECTION RAPIDE



Ref.

D0781

Conexión rápida
Quick conection
Connexion rapide



D0782

Interconector
interconnector
Interconnecteur

CARRIL / TRACK / RAIL

Perfil / Profile / Profile	Carril / Track / Rail	
	3000 (mm) 2 X 35/49	3598 (mm) 3 X 28/54
25 X 67,2 (mm)	Ref. D0783	Ref. D0784



Ref. D0035
Sujeción a carril
Fastener for track
Fixation au rail support

Conector a carril
Track connector
Connecteur de rail support

Conector a luminaria
Light fitting connector
Connecteur du luminaire

Conexión entre carriles
Connection between tracks
Connecteur de RAIL

Conexión luminaria a carril
Light fitting-track connection
Connexion luminaire-rail support

3 polos / 3 poles / 3 pôles (L, N, T)

5 polos / 5 poles / 5 pôles (L, N, T,+, -)

Ref.D0785

Ref. D0786



Ref.

D0070

Tapa ciega de A.B.S.
Track cap on A.B.S.
Couvercle en A.B.S.



D0034

Tapa final de carril de chapa 25x64
End cap for lacquered steel track 25x64
Embout final du rail support d'acier 25x64



D0064

Empalme a carril
Track joint
Pièce de liason des rails support



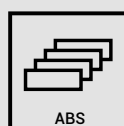
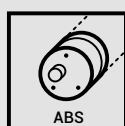
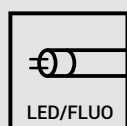
D0191

Fijación carril a perfil techo desmontable
Track fastener to removable ceiling profile
Fixation de carril au profil du plafond démontable

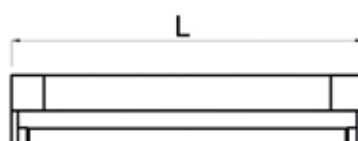
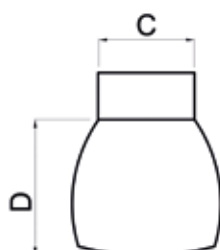


3.4

SUPERDELTA



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP20

CE

EN 60598-1

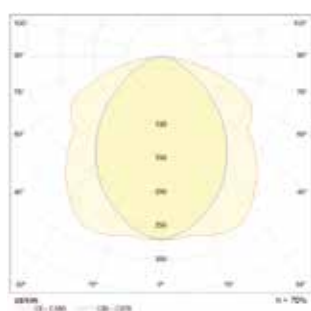


TUBO FLUORESCENTE / LAMP / LAMPE

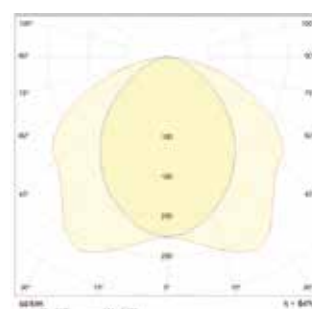
T5

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	C	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	(mm)	
D0336	1 x 15	■	471	140	105	1
D0349	1 x 18	■	624	140	105	1
D0337	1 x 30	■	928	140	105	1
D0350	1 x 36	■	1.233	140	105	1
D0351	1 x 58	■	1.534	140	105	1
D0319	2 x 15	■	471	140	105	1
D0352	2 x 18	■	624	140	105	1
D0338	2 x 30	■	928	140	105	1
D0353	2 x 36	■	1.233	140	105	1
D0354	2 x 58	■	1.534	140	105	1

■ Electrónica / Electronic / Électronique



1x



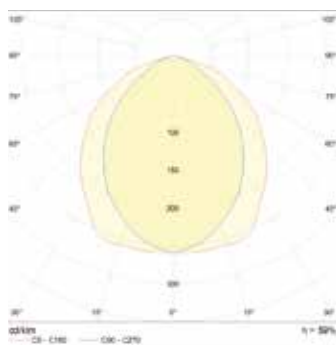
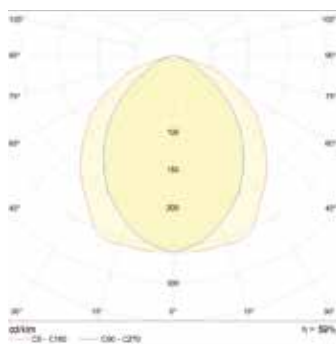
2x

3.4

SUPERDELTA

TUBO FLUORESCENTE / LAMP / LAMPE

T5



■ Electrónica / Electronic / Électronique

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	C	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
D0401	1 x 14	■	587	140	105	1
D0420	1 x 24	■	587	140	105	1
D0402	1 x 21	■	887	140	105	1
D0405	1 x 39	■	887	140	105	1
D0403	1 x 28	■	1.187	140	105	1
D0406	1 x 54	■	1.187	140	105	1
D0404	1 x 35	■	1.487	140	105	1
D0421	1 x 49	■	1.487	140	105	1
D0422	1 x 80	■	1.487	140	105	1
D0442	2 x 14	■	587	140	105	1
D0446	2 x 24	■	587	140	105	1
D0443	2 x 21	■	887	140	105	1
D0447	2 x 39	■	887	140	105	1
D0444	2 x 28	■	1.187	140	105	1
D0449	2 x 54	■	1.187	140	105	1
D0445	2 x 35	■	1.487	140	105	1
D0448	2 x 49	■	1.487	140	105	1
D0450	2 x 80	■	1.487	140	105	1

ACCESORIOS SUPERDELTA / SUPERDELTA ACCESORIES / ACCESSOIRES SUPERDELTA

Detalle de montaje
Assembly detail
Détail du montage



Lama / Louvre / Grille

T8		T5	
Mod. (W)	Ref.	Mod. (W)	Ref.
15	D0326	14-24	D0332
18	D0327	21-39	D0333
30	D0329	28-54	D0334
36	D0330	35-80	D0335
58	D0331		

Tapa final / End cap / Embout

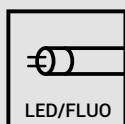
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1-10
DALI



3.5

DECO



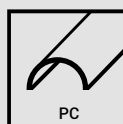
LED/FLUO



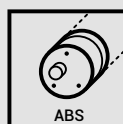
AP/LS/AL



RAB/BAR/RAB

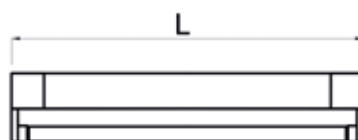
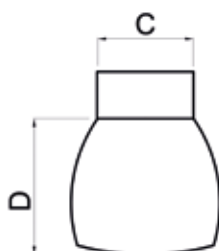


PC



ABS

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

IP20

CE

EN 60598-1

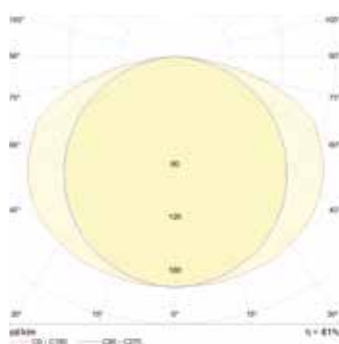


TUBO FLUORESCENTE / LAMP / LAMPE

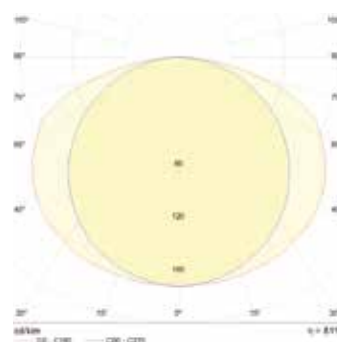
T8

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	C	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
D0825	1 x 18	■	624	140	105	1
D0826	1 x 36	■	1.233	140	105	1
D0827	1 x 58	■	1.534	140	105	1
D0828	2 x 18	■	624	140	105	1
D0829	2 x 36	■	1.233	140	105	1
D0830	2 x 58	■	1.534	140	105	1

■ Electrónica / Electronic / Électronique



1x



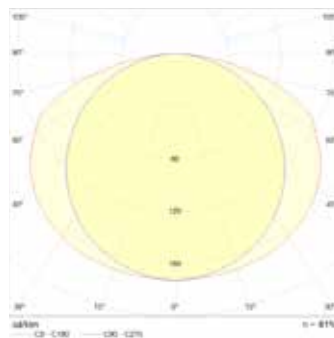
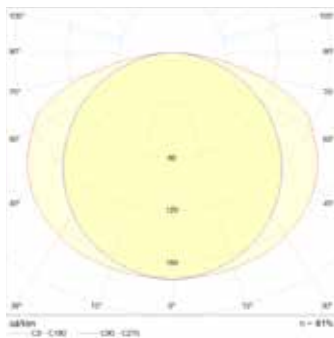
2x

3.5

DECO

TUBO FLUORESCENTE / LAMP / LAMPE

T5



Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	C	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	(mm)	
D0850	1 x 14	■	587	140	105	1
D0858	1 x 24	■	587	140	105	1
D0852	1 x 21	■	887	140	105	1
D0860	1 x 39	■	887	140	105	1
D0854	1 x 28	■	1.187	140	105	1
D0864	1 x 54	■	1.187	140	105	1
D0856	1 x 35	■	1.487	140	105	1
D0862	1 x 49	■	1.487	140	105	1
D0866	1 x 80	■	1.487	140	105	1
D0868	2 x 14	■	587	140	105	1
D0876	2 x 24	■	587	140	105	1
D0870	2 x 21	■	887	140	105	1
D0878	2 x 39	■	887	140	105	1
D0872	2 x 28	■	1.187	140	105	1
D0882	2 x 54	■	1.187	140	105	1
D0874	2 x 35	■	1.487	140	105	1
D0880	2 x 49	■	1.487	140	105	1
D0884	2 x 80	■	1.487	140	105	1

■ Electrónica / Electronic / Électronique

ACCESORIOS DECO / DECO ACCESSORIES / ACCESSOIRES DECO

Tapa final / End cap / Embout

Ref. D0841

1-10
DALI

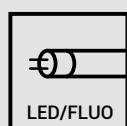
Difusor / Diffuser / Diffuseur

T8		T5	
Mod. (W)	Ref.	Mod. (W)	Ref.
18	D0842	14-24	D0846
36	D0844	21-39	D0847
58	D0845	28-54	D0848
		35-80	D0849



3.6

METALLIC



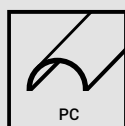
LED/FLUO



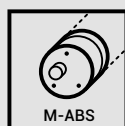
AP/LS/AL



RAB/BAR/RAB



PC

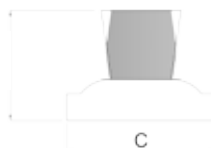


M-ABS



AL
BRIGHTNESS

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP20

CE

EN 60598-1

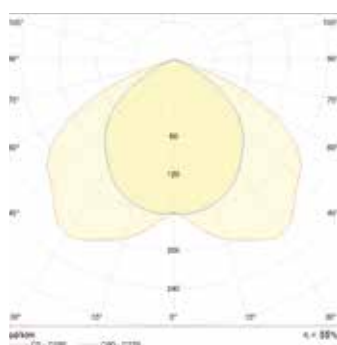


TUBO FLUORESCENTE / LAMP / LAMPE

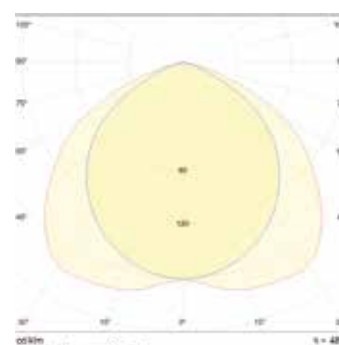
T8

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	C	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	(mm)	
D0925	1 x 18	■	624	59	138	1
D0926	1 x 36	■	1.233	59	138	1
D0927	1 x 58	■	1.534	59	138	1
D0928	2 x 18	■	624	59	138	1
D0929	2 x 36	■	1.233	59	138	1
D0930	2 x 58	■	1.534	59	138	1

■ Electrónica / Electronic / Électronique



1x



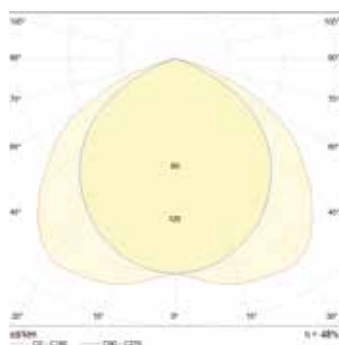
2x

3.6

METALLIC

TUBO FLUORESCENTE / LAMP / LAMPE

T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	C	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
D0937	1 x 14	■	587	59	138	1
D0941	1 x 24	■	587	59	138	1
D0938	1 x 21	■	887	59	138	1
D0942	1 x 39	■	887	59	138	1
D0939	1 x 28	■	1.187	59	138	1
D0944	1 x 54	■	1.187	59	138	1
D0940	1 x 35	■	1.487	59	138	1
D0943	1 x 49	■	1.487	59	138	1
D0945	1 x 80	■	1.487	59	138	1
D0946	2 x 14	■	587	59	138	1
D0950	2 x 24	■	587	59	138	1
D0947	2 x 21	■	887	59	138	1
D0951	2 x 39	■	887	59	138	1
D0948	2 x 28	■	1.187	59	138	1
D0953	2 x 54	■	1.187	59	138	1
D0949	2 x 35	■	1.487	59	138	1
D0952	2 x 49	■	1.487	59	138	1
D0954	2 x 80	■	1.487	59	138	1

■ Electrónica / Electronic / Électronique

ACCESORIOS METALLIC / METALLIC ACCESORIES / ACCESSOIRES METALLIC

Tapa final / End cap / Embout

Ref. D0901

1-10
DALI

EMERGENCY
1h / 3h

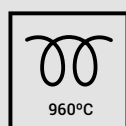
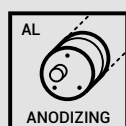
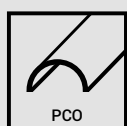
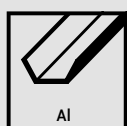
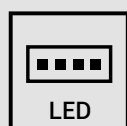
Lama aluminio / Aluminium louvre / Grille aluminium

T8		T5	
Mod. (W)	Ref.	Mod. (W)	Ref.
1 x 18	D0909	1 x 14-24	D0905
1 x 36	D0903	1 x 21-39	D0906
1 x 58	D0904	1 x 28-54	D0907
2 x 18	D0910	1 x 35-80	D0908
2 x 36	D0911	2 x 14-24	D0913
2 x 58	D0912	2 x 21-39	D0914
		2 x 28-54	D0915
		2 x 35-80	D0916

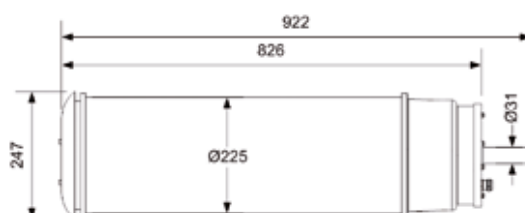


3.7

EXTREME LED



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1

MACADAM

3/4

UGR
<19

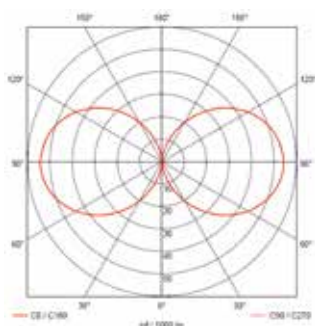
CR>80

L70B50
>
50.000

IP44

CE

EN 60598-1



Ref.	Potencia Watts <i>Puissance</i>	Emissi3n Emission <i>Émission</i>	L	D	Embalaje Packaging <i>Emballage</i>
	(W)	(lm)	(mm)	(mm)	
EXT01	456	48.000	922	247	1

Montaje 1' / Quick start 1' / Montage 1'

Iluminaci3n 360° / 360° Lighting / Éclairage 360°

No deslumbramiento / Non glare / Non éblouissant

Superficie iluminada 2.400 m² / Illuminated surface 2.400 m² / Surface éclairé 2.400 m²

ACCESORIOS EXTREME / EXTREME ACCESORIES / ACCESSOIRES EXTREME



Trípode / Tripod / Trépied

Ref. EXT10

13 m. alto / 13 m high / 13 m hauteur

3.8

CUADRO DE APLICACIONES / APPLICATIONS CHART / TABLE

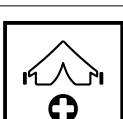
	Zona industrial/ Industrial Areas/ Zone industrielle	LOGIX
	Aulas de enseñanza/ Classrooms/ Salles de classe	METALLIC
	Supermercados/ Supermarket/ Supermarché	LOGIX, DELTA, MINIDELTA, SUPER-DELTA, DECO, METALLIC
	Centros comerciales/ Shopping mall/ Centre commercial	LOGIX, DELTA, MINIDELTA, SUPER-DELTA, DECO, METALLIC
	Residencial/ Residential/ Résidentiel	MINIDELTA, DELTA
	Oficinas/ Offices/ Bureaux	MINIDELTA, DECO, METALLIC
	Protección Civil/ Civil protection/ Protection civile	EXTREME LED
	Hospitales de campaña/ Temporary Field hospitals/ Hôpital de campagne	EXTREME LED



TABLEAU D'APPLICATIONS



ILUMINACIÓN RESIDENCIAL

RESIDENTIAL LIGHTING / ÉCLAIRAGE RÉSIDENTIEL

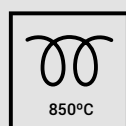
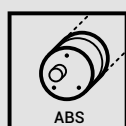
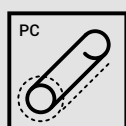
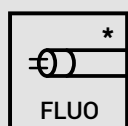


 **airfal**
INTERNATIONAL

4.1		CYLINDRIC IP40 IK07 Tubo LED-Fluorescente/ LED tube-lamp/ Tube LED-lampe	  	/ 210
4.2		CYLINDRIC + IP40 IK07 Tubo LED-Fluorescente/ LED tube-lamp/ Tube LED-lampe	  	/ 212
4.3		MIRROR LED IP44 Módulo LED/ LED module/ Module LED	  	/ 214
4.4		MODULAR IP44 Módulo LED/ LED module/ Module LED	  	/ 216
4.5		SMART IP44 Módulo LED/ LED module/ Module LED	  	/ 218
4.6		MODULAR DELUXE IP44 Módulo LED/ LED module/ Module LED	  	/ 220
4.7		DOWNLIGHTS IP42	  	/ 222
4.8		MODELO 1 IP42 Tubo LED-Fluorescente/ LED tube-lamp/ Tube LED-lampe	  	/ 226
4.9	CUADRO DE APLICACIONES APPLICATIONS CHART TABLEAU D'APPLICANTIONS			/ 230

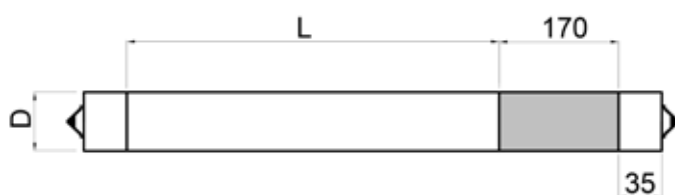
4.1

CYLINDRIC



*Tubo fluorescente Incluido / Tubo fluorescente incluido / Tubo fluorescente incluido.

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP40

IK07

CE

EN 60598-1



TUBO FLUORESCENTE / LAMP / LAMPE

T5

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	L	D	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	(mm)	
C0501	1 x 14	■	550	48	1
C0503	1 x 24	■	550	48	1
C0502	1 x 21	■	850	48	1

■ Electrónica / Electronic / Électronique

Tubo fluorescente tono 840 incluido. Cable de conexión incorporado con enchufe. Dos tubos fluorescentes tono 840 incluidos. Una tapa sellada.

Fluorescent tube tone 840 included. Built-in connection cable with plug. Two 840 tone fluorescent tubes included. A sealed lid.

Tube fluorescent ton 840 inclus. Câble de connexion intégré avec prise. Deux tubes fluorescents 840 inclus. Un couvercle scellé.

ACCESORIOS CYLINDRIC/ CYLINDRIC ACCESORIES / ACCESSOIRES CYLINDRIC



Ref. C0504

Suspensión con cable de acero
Steel cable suspension
Suspension avec câble en acier

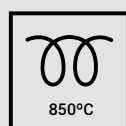
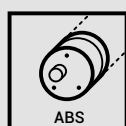
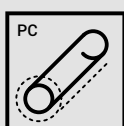
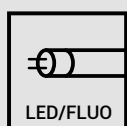
Tubo fluorescente tono 840 incluido. Cable de conexión incorporado con enchufe. Dos tubos fluorescentes tono 840 incluidos. Una tapa sellada.

Fluorescent tube tone 840 included. Built-in connection cable with plug. Two 840 tone fluorescent tubes included. A sealed lid.

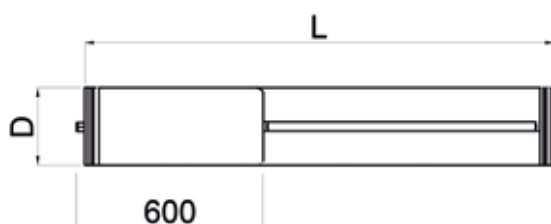
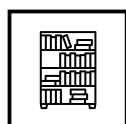
Tube fluorescent ton 840 inclus. Câble de connexion intégré avec prise. Deux tubes fluorescents 840 inclus. Un couvercle scellé.

4.2

CYLINDRIC+



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP67

IK07

CE

EN 60598-1



TUBO FLUORESCENTE / LAMP / LAMPE

T8

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	
C0505	1 x 18	■	1.313	81	1
C0506	1 x 36	■	1.923	81	1
C0507	1 x 58	■	2.228	81	1

TUBO FLUORESCENTE / LAMP / LAMPE

T5

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	
C0508	1 x 14	■	1.280	81	1
C0512	1 x 24	■	1.280	81	1
C0509	1 x 21	■	1.570	81	1
C0513	1 x 39	■	1.570	81	1
C0510	1 x 28	■	1.880	81	1
C0515	1 x 54	■	1.880	81	1
C0511	1 x 35	■	2.200	81	1
C0514	1 x 49	■	2.200	81	1
C0516	1 x 80	■	2.200	81	1

■ Electrónica / Electronic / Électronique

ACCESORIOS CYLINDRIC+ / CYLINDRIC+ ACCESORIES / ACCESSOIRES CYLINDRIC+



Ref. C0504

Suspensión con cable de acero
Steel cable suspension
Suspension avec câble en acier



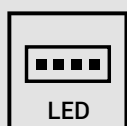
Q0155

Brida de policarbonato
Polycarbonate clamps
Colliers en polycarbonate

1-10
DALI

4.3

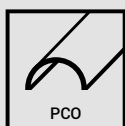
MIRROR LED



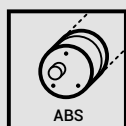
LED



AP/LS/AL

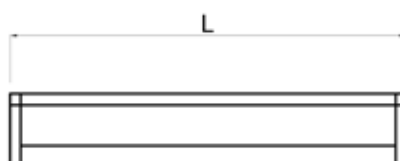
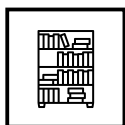


PCO



ABS

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG 0/1

MACADAM

3/4

UGR
<19

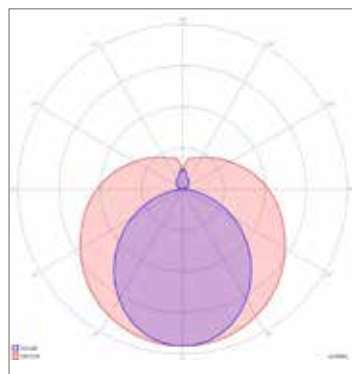
CR>80

L70B50
>
50.000

IP44

CE

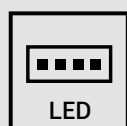
EN 60598-1



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	L	D	C	Embalaje Packaging Emballage
	(mm)	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
MI113	600	13	1490	1243	3000	635	64	42	1
MI114	600	13	1550	1293	4000	635	64	42	1
MI123	600	16	2560	2136	3000	635	64	42	1
MI124	600	16	2670	2227	4000	635	64	42	1
MI213	1200	24	2980	2486	3000	1198	64	42	1
MI214	1200	24	3200	2669	4000	1198	64	42	1
MI223	1200	32	5120	4271	3000	1198	64	42	1
MI224	1200	32	5340	4455	4000	1198	64	42	1
MI313	1500	29	3720	3103	3000	1498	64	42	1
MI314	1500	29	4000	3337	4000	1498	64	42	1
MI323	1500	40	6310	5264	3000	1498	64	42	1
MI324	1500	40	6700	5589	4000	1498	64	42	1

4.4

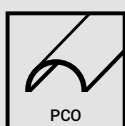
MODULAR



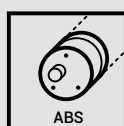
LED



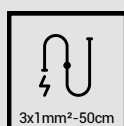
CAP/LSB/CAL



PCO

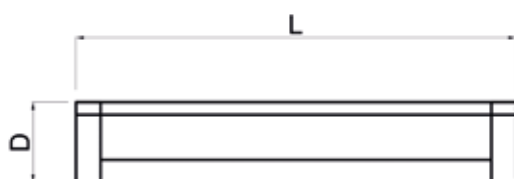


ABS



3x1mm²-50cm

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG 0/1

MACADAM

3/4

UGR
<19

CR>80

L70B50
>
50.000

IP44

CE

EN 60598-1

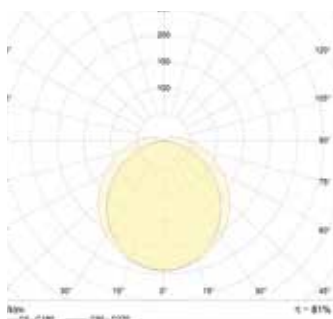


Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	L	D	C	E	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	(mm)	
MO07	600	13	1490	1202	3000	623	76	76	60	1
MO01	600	13	1550	1251	4000	623	76	76	60	1
MO08	600	16	2560	2066	3000	623	76	76	60	1
MO02	600	16	2670	2155	4000	623	76	76	60	1
MO09	1200	24	2980	2405	3000	1232	76	76	60	1
MO03	1200	24	3200	2582	4000	1232	76	76	60	1
MO10	1200	32	5120	4132	3000	1232	76	76	60	1
MO04	1200	32	5340	4309	4000	1232	76	76	60	1
MO11	1500	29	3720	3002	3000	1479	76	76	60	1
MO05	1500	29	4000	3228	4000	1479	76	76	60	1
MO12	1500	40	6310	5092	3000	1479	76	76	60	1
MO06	1500	40	6700	5407	4000	1479	76	76	60	1

Ref +G o Ref+B para modelo color gris o blanco

Ref+G o Ref+B for grey or white model

Ref+G o Ref+B pour gris ou blanc modele



ACCESORIOS MODULAR / MODULAR ACCESORIES / ACCESSOIRES MODULAR

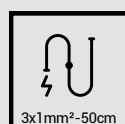
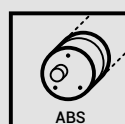
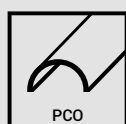
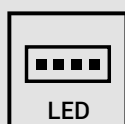
LÍNEA CONTINUA MO180 Y LÍNEA CONTINUA DE CABECERA MO190
CONTINUOUS LINE MO180 AND INITIAL CONTINUOUS LINE MO190
CÂBLAGE TRAVERSANT MO180 ET CÂBLAGE TRAVERSANT EN TÊTE MO190

Unión
Union
Union
C120B

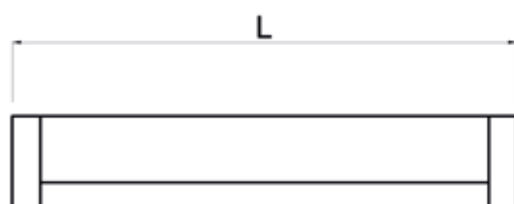
EMERGENCY
1h / 3h

4.5

SMART



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

RG 0/1

MACADAM

3/4

UGR
<19

CR>80

L70B50
>
50.000

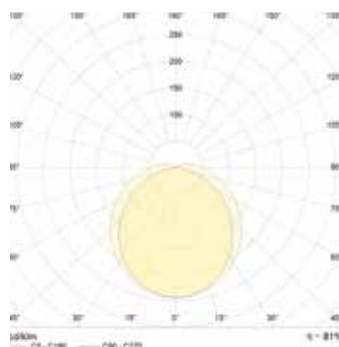
IP44

CE

EN 60598-1



G13/T8



Ref +G o Ref+B para modelo color
gris o blanco

Ref+G o Ref+B for grey or white model
Ref+G o Ref+B pour gris ou blanc
modele

Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	L	D	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	
M027	600	13	1490	1202	3000	623	80	1
M021	600	13	1550	1251	4000	623	80	1
M028	600	16	2560	2066	3000	623	80	1
M022	600	16	2670	2155	4000	623	80	1
M029	1200	24	2980	2405	3000	1232	80	1
M023	1200	24	3200	2582	4000	1232	80	1
M030	1200	32	5120	4132	3000	1232	80	1
M024	1200	32	5340	4309	4000	1232	80	1
M031	1500	29	3720	3002	3000	1479	80	1
M025	1500	29	4000	3228	4000	1479	80	1
M032	1500	40	6310	5092	3000	1479	80	1
M026	1500	40	6700	5407	4000	1479	80	1

ACCESORIOS SMART / SMART ACCESORIES / ACCESSOIRES SMART

Ref. C0504

Suspensión con cable de acero

Steel cable suspension

Suspension avec câble en acier



LÍNEA CONTINUA M0180 Y LÍNEA CONTINUA DE CABECERA M0190
CONTINUOUS LINE M0180 AND INITIAL CONTINUOUS LINE M0190
CÂBLAGE TRAVERSANT M0180 ET CÂBLAGE TRAVERSANT EN TÊTE M0190

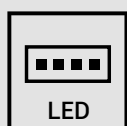
Unión
Union
Union
N120B

1-10
DALI

EMERGENCY
1h / 3h

4.6

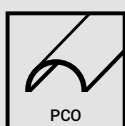
MODULAR DELUXE



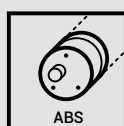
LED



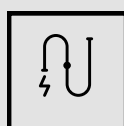
CAP/LSB/CAL



PCO



ABS



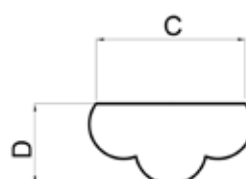
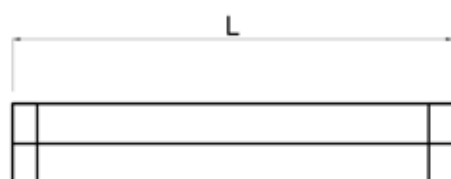
APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



MARKET



Shop



IT - DE



RG 0/1

MACADAM

3/4

UGR
<19

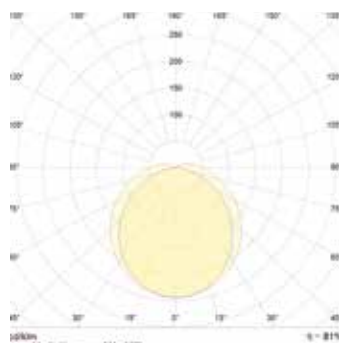
CR>80

L70B50
>
50.000

IP44

CE

EN 60598-1



Ref +G o Ref+B para modelo color gris o blanco

Ref+G o Ref+B for grey or white model

Ref+G o Ref+B pour gris ou blanc modele

Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	L	D	C	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
M047	600	13	1490	1243	3000	628	70	120	6
M041	600	13	1550	1293	4000	628	70	120	6
M048	600	16	2560	2136	3000	628	70	120	6
M042	600	16	2670	2227	4000	628	70	120	6
M049	1200	24	2980	2486	3000	1238	70	120	6
M043	1200	24	3200	2669	4000	1238	70	120	6
M050	1200	32	5120	4271	3000	1238	70	120	6
M044	1200	32	5340	4455	4000	1238	70	120	6
M051	1500	29	3720	3103	3000	4000	70	120	6
M045	1500	29	4000	3337	4000	4000	70	120	6
M052	1500	40	6310	5264	3000	6700	70	120	6
M046	1500	40	6700	5589	4000	6700	70	120	6

ACCESORIOS MODULAR DELUXE/ MODULAR DELUXE ACCESORIES / ACCESSOIRES MODULAR DELUXE

Ref. C0504

Suspensión con cable de acero

Steel cable suspension

Suspension avec câble en acier



LÍNEA CONTINUA MO180 Y LÍNEA CONTINUA DE CABECERA MO190
CONTINUOUS LINE MO180 AND INITIAL CONTINUOUS LINE MO190
CÂBLAGE TRAVERSANT MO180 ET CÂBLAGE TRAVERSANT EN TÊTE MO190

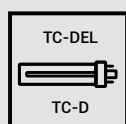
Unión
Union
Union

1-10
DALI

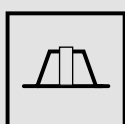
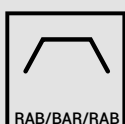
EMERGENCY
1h / 3h

4.7

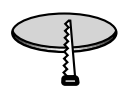
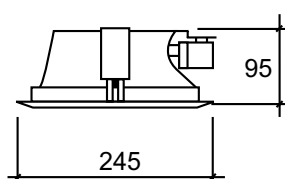
DOWNLIGHTS



NOT INCLUDED



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



210 mm.



IT - DE



IP42

CE

EN 60598-1



DOWNLIGHT 230 Ø
1 LÁMPARA / 1 LAMP / 1 LAMPE

G24 D/TC-D



Ref.	Potencia Power <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	D	Embalaje Packaging <i>Emballage</i>
	(W)		(mm)	
K320	1 x 18	■	230	1
K324	1 x 26	■	230	1
K360	2 x 13	■	230	1
K328	2 x 18	■	230	1
K332	2 x 26	■	230	1

■ Electrónica / Electronic / *Électronique*





DOWNLIGHT

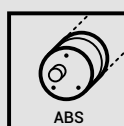
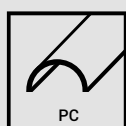
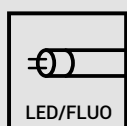
Showroom, Zaragoza, España

Showroom, Zaragoza, Spain

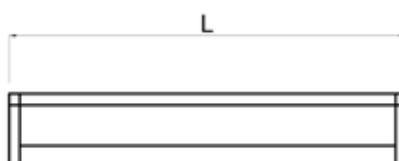
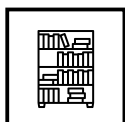
Showroom, Saragosse, Espagne

4.8

MODELO 1 / MODEL 1 / MODÈLE 1



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP44

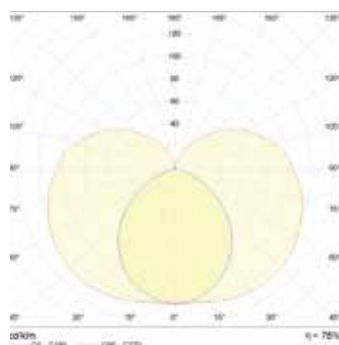
CE

EN 60598-1



TUBO FLUORESCENTE / LAMP / LAMPE

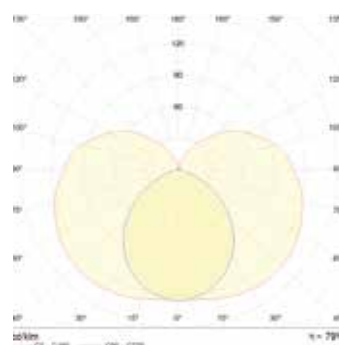
T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	C	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
A112	1 x 18	■	658	64	42	1
A116	1 x 36	■	1.266	64	42	1
A120	1 x 58	■	1.566	64	42	1

TUBO FLUORESCENTE / LAMP / LAMPE

T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	C	Embalaje Packaging Emballage
	(W)		(mm)	(mm)	(mm)	
A163	1 x 14	■	579	64	64	1
A164	1 x 21	■	879	64	42	1
A165	1 x 28	■	1.179	64	42	1
A166	1 x 35	■	1.479	64	42	1
A167	1 x 39	■	879	64	42	1
A168	1 x 54	■	1.179	64	42	1

■ Electrónica / Electronic / Électronique

4.8

MODELO 1 / MODEL 1 / MODÈLE 1

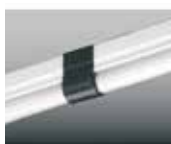
ACCESORIOS MODELO 1 / MODEL 1 ACCESORIES / ACCESSOIRES MODÈLE 1



Difusor
Diffuser
Diffuseur

T8	Ref.	A0540	A0550	A0570	A0580	A0590
	Mod.	15 W	18 W	30 W	36 W	58 W

T8	Ref.	A1570	A1580	A1590	A1600	A1610	A1620
	Mod.	14 W	21W	28 W	35 W	39 W	54 W



Ref.	A148	A148	A111	A050	A051	A052	A053
	Enchufe Socket <i>Prise de courant</i>	Interruptor Switch <i>Interrupteur</i>	Soporte giratorio Revolving support <i>Support tournant</i>	Adaptador línea continua Continuity adapter <i>Adaptateur ligne continue</i>	Adaptador ángulo Angle adapter <i>Adaptateur angle</i>	Adaptador "T" "T" adapter <i>Adaptateur "T"</i>	Adaptador "X" "X" adapter <i>Adaptateur "X"</i>

Color Colour Couleur	RAL	Ref.
	9010	B
	9011	N

IP44

CE

EN 60598-1

ACCESORIOS SUSPENSIÓN / SUSPENSION ACCESSORIES / ACCESSOIRES DE SUSPENSION



Cuerpo superior
Upper body
Corps supérieur

T8	Ref.	A098	A099	A101	A102	A103
	Mod. (W)	15	18	30	36	58

T5	Ref.	A175	A176	A177	A178	A179	A180
	Mod. (W)	14	21	28	35	39	54

	Ref.	A105	A106	A107	A108
Mod.		Tija 250 mm Stem 250 mm Tige 250 mm	Tija 500 mm Stem 500 mm Tige 500 mm	Tija 1000 mm Stem 1000 mm Tige 1000 mm	Tija 1500 mm Stem 1500 mm Tige 1500 mm



Tija de tubo
Tube stem
Tige de tube



Ref. A0970

Adaptador cuerpo superior
Upper body adapter
Adaptateur corps supérieur



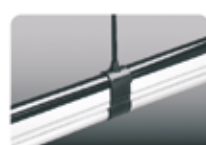
A087

Adaptador superior final
Final upper adapter
Adaptateur supérieur final



A089

Adaptador superior continuo
Continuous upper adapter
Adaptateur supérieur continue



A091

Adaptador superior ángulo
Angle upper adapter
Adaptateur supérieur angle



Ref. A093

Adaptador superior "T"
"T" upper adapter
Adaptateur supérieur "T"



A095

Adaptador superior "X"
"X" upper adapter
Adaptateur supérieur "X"



A104

Cable de acero
Steel cable
Câble en acier



A109

Suspensiones extensibles
Extendable suspensions
Suspensions extensibles

CUADRO DE APLICACIONES / APPLICATIONS CHART /

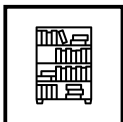
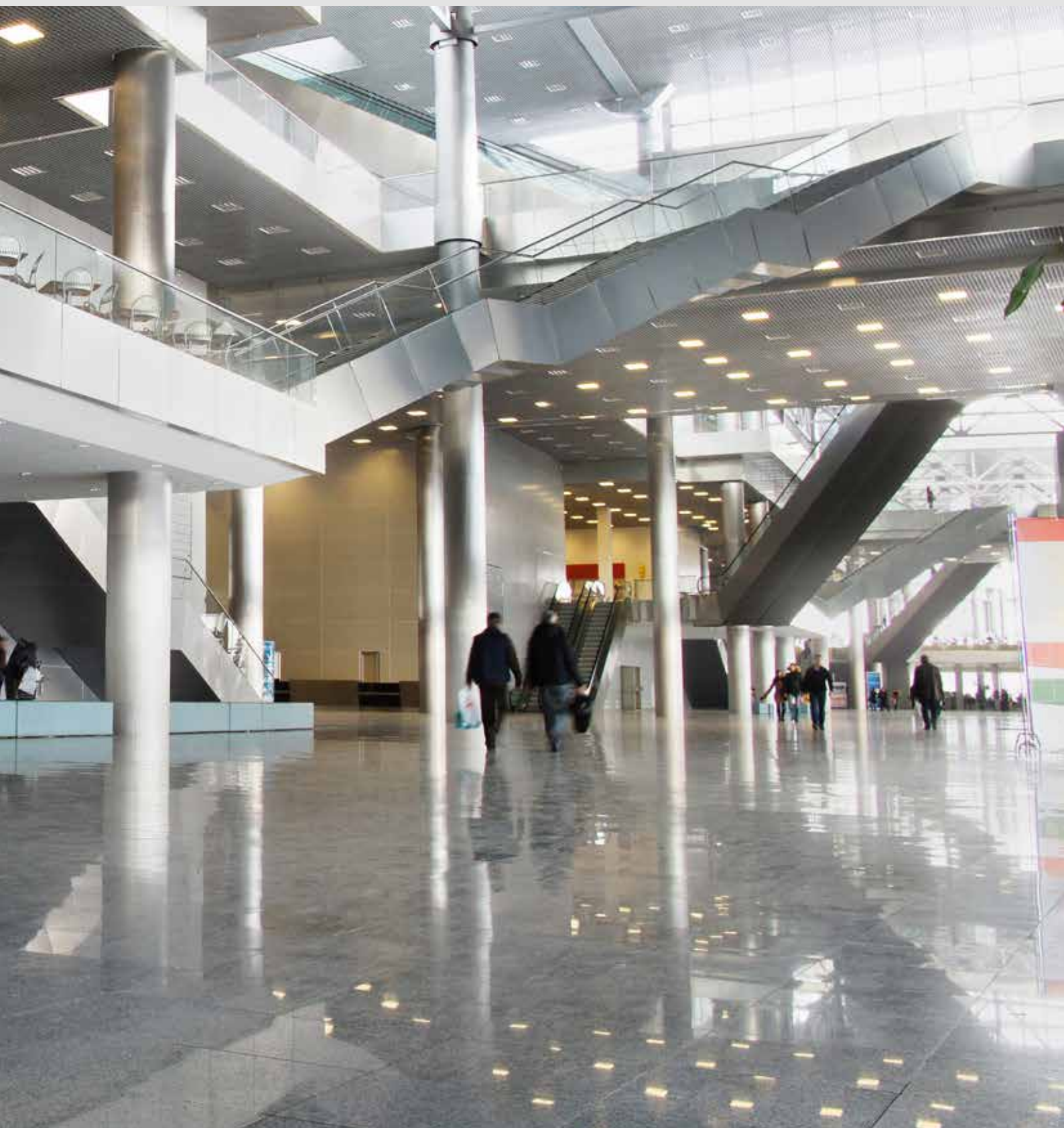
	Residencial/ Residential/ Résidentiel	CYLINDRIC, CYLINDRIC +, MIRROR LED, MODELO 1
	Hoteles/ Hotels/ Hôtels	CYLINDRIC, CYLINDRIC +
	Mobiliario/ Furniture/ Meubles	CYLINDRIC +, MIRROR LED, MODELO 1
	Supermercados/ Supermarket/ Supermarché	MODULAR, SMART, MODULAR DELUXE
	Oficinas Offices Bureaux	MIRROR LED, MODULAR, SMART, MODULAR DELUXE, DOWNLIGHT, MODELO 1
	Supermercados Supermarkets Supermarchés	MODULAR, SMART, MODULAR DELUXE, DOWNLIGHT



TABLEAU D'APPLICATIONS







TR3 OPAL / MATTE / OPALE

Parking Serrano Park, Madrid, España
Serrano Park parking, Madrid, Spain
Parking Serrano Park, Madrid, Espagne

	Cuerpo luminaria tubo policarbonato Polycarbonate luminaire body Corps du luminaire tube polycarbonate		Cuerpo extrusion Aluminum body Corps aluminium		Rango de temperaturas Temperatures range Tranche de temperatures
	Cuerpo luminaria metacrilato Methacrylate luminaire body Corps du luminaire méthacrylate		Cuerpo Acero Prelacado Pre-lacquered steel body Corps en acier prélaqué		Ensayo hilo Glow wire test Essais fil incandescent
	Cuerpo luminaria vidrio borosilicato Glass borosilicate luminaire body Corps du luminaire verre borosilicate		Cuerpo Aluminio Prelacado Pre-lacquered aluminum body Corps en aluminium prélaqué		Alto factor High Factor Hautes temperatures
	Cuerpo luminaria ABS ABS luminaire body Corps du luminaire ABS		Cuerpo ABS ABS body Corp ABS		Conector rápido Quick Connector Connecteur rapide
	Cuerpo luminaria poliestireno Polystyrene luminaire body Corps du luminaire polystyrène		Difusor Policarbonato Polycarbonate Diffuser Diffuseur Polycarbonate		Entrada cablesroca M25 (2e) M25 Cable entry (2e) Entrée de câbles a vis M25 (2e)
	Cuerpo aluminio Extrusion Aluminum Body Corps extrusión aluminium		Difusor Policarbonato Opal Opal Polycarbonate Diffuser Diffuseur Polycarbonate Opal		Regulación de flujo Dimmable equipment Ballast gradable
	Cuerpo hierro Iron body Corps fer		Difusor Poliestireno Polystyrene Diffuser Diffuseur Polystyrène		Módulo LED LED Module Modules LED
	Tapas Aluminio pintado Painted Aluminum end caps Embouts aluminium peint		Difusor PC/ACRIL PC/ACRIL Diffuser Diffuseur PC/ACRIL		Tubo LED LED Tube Tube LED
	Tapa acero INOX Stainless Steel 304 end caps Embouts INOX 304		Lamas ABS ABS louvers Lames ABS		Tubo fluorescencia Fluorescent Tube Tube Fluorescent
	Tapa acero INOX Stainless Steel 316 end caps		Lamas ABS - PC ABS - PC louvers Lames ABS - PC		Tubo LED o Tubo fluorescente LED Tube or fluorescent tube Tube LED ou Tube fluorescent
	Tapas ABS ABS Plastic end caps Embouts PLASTIQUE ABS		Abrazaderas acero cincado Galvanized Steel Clamps Fixations acier zingué		Fuente de luz Light source Source de lumière
	Tapas Policarbonato PC Plastic end caps Embouts PLASTIQUE PC		Brazaderas acero inox Stainless Steel Clamps Fixations INOX		Fuente de luz Light source Source de lumière
	Tapas Plástico Metalizado Metalized Plastic end caps Embouts PLASTIQUE CHROMÉ		Abrazaderas cierre rápido Quick opening stainless steel Fixations INOX ouverture à grenouillère		Fuente de luz Light source Source de lumière
	Tapas Zamak Niquelado Nickel-plated ZAMAK end caps Embouts ZAMAK NICKELÉ		Abrazaderas PC antivandálica Vandalism PC Clamps Fixations INOX ouverture à grenouillère		Zona ATEX EX Area ATEX Zone
	Tapas acero niquelado Nickel-plated steel end caps Embouts Acier Nickelé		Abrazaderas ABS ABS Clamps Fixations PMMA antivandalisme		Sistema de emergencia Emergency Sistem Système d'urgence
	Aluminio Anodizado Anodized aluminum Aluminium anodisé		Aro ABS ABS Ring Fixations ABS		Grupo de riesgo fotobiológico Photobiological risk group Group de risque photobiologique
	Reflector Aluminio brillo Reflector Aluminium Gloss Réflecteur Aluminium brillant		Abrazaderas techo o pared Ceiling or wall Clamps Fixations murs et parois		Índice MacAdam MacAdam Ellipse Taux MacAdam
	Reflector chapa lacada blanca White lacquered steel Reflector Réflecteur tôle lacquée blanc		Prensaestopa Cable Gland Presse étoupes		Índice de deslumbramiento unificado Unify glade rating Taux d'éblouissement
	Reflector acero lacado blanco White Lacquered Steel Reflector Réflecteur acier lacqué blanc		Empotrable para lámpara Embedded for lamps Encastrable pour lamp		Índice cromático Chromatic Index Taux chromatique
	Reflector acero galvanizado Galvanized Steel Reflector Réflecteur acier galvanisé		Brida suspensión perforación 18mm Clamps suspension borehole 18 mm Fixation avec suspension perforation 18 mm		Vida útil Useful life Durée de vie



airfal
INTERNATIONAL

airfal
INTERNATIONAL

5.1 KITS DE EMERGENCIA
EMERGENCY KIT
ÉCLAIRAGE DE SECOURS

/ 236

5.1

KITS DE EMERGENCIA / EMERGENCY KIT / ÉCLAIRAGE DE SECOURS

MODOS DE PROTECCIÓN / PROTECTION MODES / MODES DE PROTECTION

Modelo Model Modèle	Portalámparas Lampholder Douille	Portalámparas Lampholder Douille
Delta, Superdelta, Modelo M, Deco, Metallic, TR2, TR3, Secure, Resist, Cobra y Nevada,	T8: Desde / From / À partir de 18 W T5: Desde / From / À partir de 14 W	T8: Desde / From / À partir de 30 W T5: Desde / From / À partir de 21 W
Supra T8 y Supra T5	T8: Desde / From / À partir de 18 W T5: Desde / From / À partir de 14 W	T8: Desde / From / À partir de 36 W T5: Desde / From / À partir de 28 W
Minidelta y Modelo 1	T8: Desde / From / À partir de 30 W T5: Desde / From / À partir de 21 W	T8: Desde / From / À partir de 30 W T5: Desde / From / À partir de 21 W
Downlight, TR4, Compact, TR1, Tunnel, Pyros, Vitra y Chemical	Todas / All / Tous	Todas / All / Tous

	Wattios Watts Puissance	Rendimiento Efficiency Rendement	Autonomía Autonomy Autonomie
OEM02	T8 - 18	27%	1 h.
	T8 - 36	22%	1 h.
	T8 - 58	20%	1 h.
OEM04	T8 - 18	18%	1 h.
	T8 - 36	9%	1 h.
	T8 - 58	6%	1 h.
	T5 - 14	20%	1 h.
	T5 - 21	18%	1 h.
	T5 - 24	18%	1 h.
	T5 - 28	12%	1 h.
	T5 - 35	9%	1 h.
	T5 - 39	9%	1 h.
	T5 - 49	7%	1 h.
	T5 - 54	6%	1 h.
	T5 - 49	4%	1 h.
OEM05	T8 - 18	12%	3 h.
	T8 - 36	10%	2 h.
	T8 - 58	9%	1,5 h.
OEM06	MODULOS LED	CONSULTAR	1/3 h.



ATEX Test Zone





6.1	CONDICIONES DE VENTA CONDITIONS GÉNÉRALES DE VENTE <i>DONNÉES TECHNIQUES</i>	/ 240
6.2	INDICE DE REFERENCIAS INDEX OF REFERENCES <i>INDEX DES RÉFÉRENCES</i>	/ 246

CONDICIONES GENERALES DE VENTA

CONDICIONES GENERALES DE VENTA

1. Las condiciones de venta son para mercancía puesta en nuestra fábrica en Zaragoza, por consiguiente, los riesgos de transporte son por cuenta del comprador.

2. Para pedidos superiores a 600 € netos los portes serán a nuestro cargo. Para los pedidos fuera de la Península, para que las mercancías viajen a portes pagados serán de una cuantía superior a 750 € para Baleares y 1.000€ para Canarias.

3. El pedido mínimo será de 50 €. En caso de no alcanzar dicha cantidad se cobrarán 20 € por gastos de gestión.

4. Reclamaciones:

a) Como consecuencia del transporte: Se aceptarán en un plazo máximo de las 24 horas siguientes a la recepción de la mercancía, acompañando fotocopia del albarán de la Agencia de Transporte en el que constará la incidencia de rotura, mal estado, etc...

b) Como consecuencia de faltas numéricas: Se aceptarán en un plazo máximo de las 24 horas siguientes al día de recepción.

5. Devoluciones:

Pasados 15 días de la recepción de una mercancía, el cliente no podrá realizar ninguna clase de reclamación ni devolución de las mismas.

No se aceptan devoluciones de material, salvo previo acuerdo y autorización por nuestra parte, efectuadas por escrito.

Los aparatos devueltos sólo se abonarán, como máximo, con el 80% de su valor en factura. Los portes de la devolución correrán por parte del cliente.

6. Este catálogo anula a todos los anteriores.

La información publicada en este catálogo ha sido cuidadosamente recopilada y es suficientemente precisa para la gran mayoría de las aplicaciones. Sin embargo, debido al continuo desarrollo y mejora en nuestros productos, pueden introducirse modificaciones en el material, diseño, especificaciones técnicas y homologaciones sin previo aviso.

Por todo ello, los esquemas deben ser tomados únicamente como referencia y recomendamos confirmar dimensiones antes de realizar el pedido.

7. AIRFAL INTERNATIONAL garantiza que sus luminarias están libres de defectos de fabricación desde la fecha de fabricación, durante un periodo de dos años.

Esta garantía está condicionada al apropiado almacenamiento, instalación y mantenimiento del producto. Esta garantía no es aplicable a cualquier producto que no haya sido instalado de acuerdo con la Reglamentación Eléctrica aplicable, los Estándares de Seguridad de AENOR, los estándares definidos por la ISO, y cualquier otra legislación local aplicable. Esta garantía no cubre los daños en cualquier luminaria debidos al abuso, mal uso, esfuerzos excesivos o fuera de lo normal y condiciones de operación para los que no está diseñada cada luminaria, así como contra sobre tensiones o instalación no adecuada. Todas las luminarias deben probarse antes de su instalación definitiva.

Esta garantía solo es aplicable al comprador original o en su caso al primer usuario final. Si un producto cubierto por esta garantía presenta cualquier defecto de fabricación, deberá ponerse en contacto

con nuestro departamento de Calidad / Soporte Técnico para seguir el procedimiento que marca nuestro Servicio de Garantía. El Departamento de Calidad indicará al cliente los pasos a seguir.

CONDICIONES GENERALES DE GARANTÍA DE PRODUCTO

AIRFAL INTERNATIONAL S.L. garantiza el funcionamiento de sus productos contra cualquier defecto en los materiales y mano de obra empleados para su fabricación de forma estándar durante DOS años desde la fecha de suministro. Se ofrece de forma adicional una extensión legal obligatoria de 6 meses (Ley 23/2003) contando desde la fecha de suministro para compensar posibles demoras por almacenamiento.

De forma adicional AIRFAL INTERNATIONAL ofrece una garantía adicional de CINCO (5) años para componentes LED (Módulos y drivers) que tengan una vida media estimada por el fabricante de 50000 o más horas.

Igualmente, el periodo de garantía de la reparación o reposición de productos AIRFAL INTERNATIONAL S.L. se extiende a los 2 ó 5 años especificados en esta extensión de la Garantía legal.

Para hacer efectiva dicha garantía se deberá tramitar la correspondiente reclamación, por escrito, a nuestro departamento Calidad-Gestión de incidencias.

Nuestra garantía incluye la reparación, reposición, o cambio del producto y/o componentes sin cargo alguno para el cliente, excluyendo mano de obra, así como los gastos de transporte derivados del cumplimiento de garantía.

1. Cobertura de Garantía.

La presente garantía cubre si se cumplen las siguientes condiciones:

1.1.- El producto suministrado se utiliza conforme a las especificaciones de la Ficha Técnica, relativas tanto al Producto como a su empleo.

1.2.- Las prestaciones luminosas (flujo) de sus productos LED durante el periodo de garantía se mantendrán según los datos técnicos ofrecidos en la ficha técnica del módulo led utilizado en cada luminaria admitiendo una tolerancia del 5 %.

1.3.- Para productos instalados en exterior una utilización máxima anual media de 4.000 horas y que se utilicen respetando las especificaciones técnicas y las instrucciones de instalación.

1.4.- Si el producto ha estado funcionando en el rango de temperatura ambiente especificado en su correspondiente ficha técnica.

1.5.- Si la instalación y/o montaje del Producto se han realizado conforme a las instrucciones que acompañan al Producto, y por personal técnico especializado.

1.6.- Si el Producto no se ha expuesto a cargas mecánicas no conformes a su uso previsto.

1.7.- En lo referente a los equipos electrónicos, si el producto se ha instalado con lámparas conformes a las especificaciones IEC correspondientes y en vigor en el momento de la adquisición. En el caso de utilizar lámparas o fuentes de luz especiales, se deberá consultar a AIRFAL INTERNATIONAL S.L. antes de la adquisición del producto.

1.8.- Si el Cliente conserva el Producto que ha resultado presuntamente defectuoso en el estado en que se encuentre (incluida la

lámpara) durante todo el tiempo que sea necesario para que AIRFAL INTERNATIONAL S.L. pueda llevar a cabo las comprobaciones necesarias en relación a los problemas o defectos encontrados. NO se atenderán reclamaciones de productos que hayan sufrido cualquier modificación, alteración en su cableado o mecanización de cualquiera de sus partes.

1.9.- Si el presunto defecto, debidamente especificado y comprobado en su naturaleza y entidad, ha sido comunicado por escrito por el Cliente a AIRFAL INTERNATIONAL S.L. en un plazo máximo de treinta (30) días tras su descubrimiento.

1.10.- Si el Cliente ha pagado regularmente el Producto, de acuerdo con las condiciones de pago establecidas con AIRFAL INTERNATIONAL S.L.

1.11.- Si el producto ni ninguna de sus partes han sido reparados, sustituidos, ajustados, sellados o modificados en cualquiera de sus partes por el cliente ni por ninguna otra persona sin la autorización previa y por escrito de AIRFAL INTERNATIONAL S.L.

2. La Garantía no será válida en relación a:

2.1.- Los defectos del Producto debidos a eventos imprevistos e impredecibles, fortuitos y/o de fuerza mayor (incluyendo descargas eléctricas, rayos, averías en la red...), que excluyan al proceso de fabricación del Producto como origen de los mismos.

**Si el producto se instala en un ambiente o entorno químicamente agresivo, se informará previamente a AIRFAL INTERNATIONAL S.L. por escrito, que indicará las precauciones a tener en cuenta, así como las acciones periódicas de mantenimiento.*

2.2.- Los defectos derivados de descargas eléctricas, transitorios, y cualquier otro fenómeno eléctrico derivado de posibles perturbaciones con origen en la alimentación eléctrica de la luminaria, incluidos los contemplados en la norma IEC 61000-4-5 (EMC). Esta garantía NO cubrirá ningún producto que integre equipos electrónicos instalados en una red eléctrica con un THD superior al 10%. (1)

2.3.- Los gastos que se deriven de la reparación del defecto (por ej., los gastos de montaje o desmontaje, el transporte del Producto defectuoso y del Producto reparado o nuevo, gastos de disposición, gastos de manutención y alojamiento, dispositivos de elevación o andamiaje); dichos gastos irán a cargo del Cliente.

2.4.- Las partes sujetas a desgaste, como por ejemplo las lámparas.

2.5.- Fallo súbito igual o menor al diez por ciento (10 %) de la cifra total del número de semiconductores LED (con redondeo a la unidad más próxima) de un producto durante el periodo de garantía.

2.6.- Fallo súbito igual o menor del cinco por ciento (5 %) de la cifra total de Drivers en luminarias LED (con redondeo a la unidad más próxima) de un producto durante el periodo de garantía.

2.7.- Sistemas de control adicionales no suministrados por AIRFAL INTERNATIONAL S.L., tales como elementos de mando y control, sensores, interfaces etc...

2.8.- Piezas, elementos y accesorios añadidos al producto no suministrados por AIRFAL INTERNATIONAL S.L. con posterioridad a su entrega.

2.9.- Desgaste normal del producto.

2.10.- Uso de detectores de presencia. AIRFAL INTERNATIONAL S.L. no recomienda el uso de detectores de presencia con corte de alimentación en luminarias fluorescentes. En el caso de usarlos, la ga-

rantía del producto no cubrirá ninguna luminaria cuyo tiempo de funcionamiento sea inferior a 20 minutos de encendido por detección. El detector deberá actuar sobre la fase, nunca sobre el neutro. Cortar el neutro origina sobretensiones que causan averías en los balastos.

En caso de que los Productos presentaran defectos cubiertos por esta declaración de Garantía, y siempre que se verifiquen las condiciones establecidas, AIRFAL INTERNATIONAL S.L. podrá proceder, a su discreción, a la reparación y/o sustitución de los mismos con productos iguales o equivalentes, de acuerdo con los avances tecnológicos que se hayan producido respecto a los originales.

Además, AIRFAL INTERNATIONAL S.L. cubrirá eventuales gastos derivados del cambio de luminarias en obra hasta un máximo de 10 minutos de mano de obra por punto de luz.

El Cliente no tendrá ningún otro derecho a reclamar a AIRFAL INTERNATIONAL S.L. en relación con el Producto defectuoso. En particular, no podrán debitarse a AIRFAL INTERNATIONAL S.L. eventuales gastos de conservación del Producto defectuoso / viciado, ni ninguna otra indemnización o resarcimiento de daños; el Cliente tampoco tendrá derecho a reclamar y/o pretender aplazamientos en los pagos.

(1) La creciente sofisticación y complejidad de los equipos de alimentación y control de las luminarias, hace que a la vez sean más sensibles a perturbaciones eléctricas de todo tipo. Por ello, las luminarias equipadas con módulos led que sean fabricadas a petición del cliente con aislamiento Clase II y por lo tanto sin conexión de tierra, al carecer de este importantísimo conductor de protección, NO pueden ser garantizadas durante 5 años como el resto (Clase I).

(2) Las luminarias equipadas con tubos LED, estarán sujetas a dos diferentes condiciones de garantía:

i. Con tubos LED suministrados por AIRFAL. En este caso, la garantía será la del tubo suministrado, usualmente, dos años.

ii. Si se suministran preparadas para tubos led no suministrados por AIRFAL, la garantía quedará sujeta a las características del tubo utilizado por el cliente. En ningún caso AIRFAL será responsable de fallos de funcionamiento del tubo led utilizado por el cliente, ni de daños en la luminaria causados por el tubo mismo.

6.1

GENERAL SALES TERMS

GENERAL SALES TERMS

1. The sales terms apply to merchandise EXWORKS Zaragoza, therefore, the transport risks are accountable to the buyer.

2. The minimum order is 50€. In case of not reaching this quantity, 20€ will be charged as order expenses.

3. Claims:

a) As a consequence of transport: Will be accepted in a maximum period of 24 hours following reception of the merchandise, accompanied by photocopy of the Transport Delivery Note in which it will state the brakeage, bad condition, etc.

b) As a consequence of missing pieces: Will be accepted in a maximum period of 24 hours following date of reception.

4. Returns:

Passed 15 days of merchandise reception, the customer will not be able to make any kind of claim or return.

Merchandise returns will not be accepted, except previous agreement and authorization by our part, stated in writing.

5. This catalogue cancels all previous ones.

The information published in this catalogue has been carefully collected and is sufficiently precise for most of applications. However, due to the continuing developing and improving of our products, modifications can be introduced in the materials, design, technical specifications and certifications without previous notice.

For all this, the measurements must be only taken as a reference and we recommend confirming dimensions before placing orders.

6. AIRFAL INTERNATIONAL, S.L. guarantees that its light fixtures are free of manufacturing defects and labor employed for its producing in a standard manner during TWO years from supply date.

This guaranty is conditioned to the proper stocking, installation and maintenance of the product. This guaranty is not applicable to any product that hadn't been installed in accordance with the applicable Electrical Norms, the AENOR Safety standards, the ISO defined standards, and other applicable local legislation. This guaranty does not cover damage in any light fixture due to misuse, excessive force or out of the ordinary and operating conditions that each luminaire is not designed for, as well as against overload or inadequate installation. All luminaries must be tested before final installation.

This guaranty is only applicable to the original buyer or in its case to the first final user. If a guaranty covered product presents any manufacturing defect, contact must be made to our Technical/Quality Department to follow the procedure marked by our Guaranty Service. The Quality Department will indicate to the client the steps to take.

GENERAL PRODUCT WARRANTY CONDITIONS

AIRFAL INTERNATIONAL S.L. guarantees the performance of its products against any defect in materials and workmanship employed for their standard manufacture for TWO years from the date of delivery. Additionally a mandatory legal extension of 6 months (law 23/2003) is offered, counting from the date of delivery to compensate possible delays for storage.

Additionally, AIRFAL INTERNATIONAL offers an additional guarantee of five (5) years for LED components (modules and drivers) that have an average estimated life by the manufacturer of 50000 or more hours.

Likewise, the period of warranty of repair or replacement of AIRFAL INTERNATIONAL S.L. products extends to 2 or 5 years specified in this extension of the legal warranty.

To make effective such warranty the corresponding claim shall be processed, in writing, to our Quality-Technical Department.

Our warranty covers the repair, replacement, or change of the product and/or components without charge to the customer, excluding labor, as well as transport costs resulting from the fulfilment of the warranty.

1. Warranty coverage.

The present warranty covers if the following conditions are met:

1.1 The supplied product is used in accordance with the technical datasheet specifications, regarding both the product and its use.

1.2. The luminous performance (flow) of its LED products during the warranty period will be maintained according to the technical data in the technical datasheet of the led module used in each fixture allowing a tolerance of 5%.

1.3. For products installed outdoors an annual maximum utilization average of 4,000 hours and will have to be used according to technical specifications and installation instructions.

1.4 If the product has been operating in the temperature range specified on its corresponding technical data sheet.

1.5 If the installation and/or assembly of the product has been carried out according to the instructions accompanying the product, and by specialized technical personnel.

1.6. If the product has not been exposed to mechanical loads not conforming to its intended use.

1.7. In relation to electronic equipment, if the product has been installed with lamps in conformity with the corresponding IEC specifications and valid at the time of purchase. In the case of using special lamps or light sources, consult AIRFAL International S.L. before purchasing the product.

1.8. If the customer preserves the product which has been allegedly defective in the state in which it is found (including the lamp) for as long as it is necessary for AIRFAL international S.L. to carry out the necessary verifications in relation to the problems or defects encountered. No claims will be made for products that have undergone any modification, alteration in their wiring or mechanization of any of their parts.

1.9. If the alleged defect, duly specified and verified in its nature and entity, has been communicated in writing by the client to AIRFAL International S.L. in a maximum period of thirty (30) days after its discovery.

1.10. If the customer has paid the product normally, according to the payment conditions established with AIRFAL International S.L.

1.11. If the product or any of its parts have been repaired, replaced, adjusted, sealed or modified in any part by the customer or by any other person without the prior written permission of AIRFAL Interna-

tional S.L.

2. The warranty will not be valid in relation to:

2.1. The defects of the product due to unforeseen and unpredictable, accidental events and of major force (including lightning, rays, faults in the network...), that excluded the manufacturing process of the product as the source of them.

* If the product is installed in a chemically aggressive environment, AIRFAL INTERNATIONAL S.L. will have to be informed previously in writing, who will indicate the precautions to take into account, as well as periodic maintenance actions"

2.2 The defects resulting from lightning, transient, and any other electrical phenomenon resulting from perturbations with origin in the power supply of the luminaire, including those referred to in the standard IEC 61000-4-5 (EMC). This warranty will not cover any product that integrates electronic equipment installed in an electrical network with a THD greater than 10% (1)

2.3. The costs arising from the repair of the defect (e.g., expenses of installation and/or disassembly, transport of the defective product and the repaired or new product, provision, maintenance and accommodation expenses, scaffolding or lifting devices); such costs shall be payable by the customer.

2.4 The parts subject to wear and tear, such as for example the lamps.

2.5 Sudden failure equal to or less than ten per cent (10%) of the total number of LED semiconductors (rounding to the nearest unit) of a product during the warranty period.

2.6. Sudden failure equal to or less than five percent (5%) of the total number of Drivers in LED luminaires (rounding to the nearest unit) of a product during the period of warranty.

2.7 Additional control systems not supplied by AIRFAL INTERNATIONAL S.L., such as elements of command and control, sensors, interfaces etc...

2.8 Parts, elements and accessories added to the product not supplied by AIRFAL INTERNATIONAL S.L. subsequently to its delivery.

2.9. Normal wear of the product.

2.10 Use of presence detectors. AIRFAL INTERNATIONAL S.L. does not recommend the use of detectors with power cuts in fluorescent lighting fixtures. In the case of using them, the product warranty will not cover any luminaire whose running time is less than 20 minutes from the start detection. The detector must act on the phase, never on the neutral. To cut neutral causes surges that cause faults in the ballasts.

In the case of a product would present defects covered by this warranty declaration, and whenever conditions are verified, AIRFAL INTERNATIONAL S.L. may undertake, at its discretion, the repair and/or replacement of the same or equivalent product, in accordance with the technological advances that have occurred to the original product.

The customer will not have any other right to claim to AIRFAL INTERNATIONAL S.L. in relation to the defective product. In particular, may not debit AIRFAL INTERNATIONAL SL /eventual conservation expenses of the defective product, nor any other indemnity or compensation for damages. Customer is not entitled to claim or ask for a delay in payment.

(1) The increasing sophistication and complexity of power and control equipment in the luminaires, makes it to be more sensitive to electrical disturbances of all kinds. For this reason, luminaires equipped with led modules that are manufactured at the request of the client with insulation class II and therefore without ground connection, in the absence of this very important protective conductor, can not be guaranteed for 5 years like the rest (class I).

(2) The luminaires fitted with LED tubes, will be subject to two different conditions of warranty:

i. With LED tubes supplied by AIRFAL. In this case, the warranty will be the one of the supplied tube, usually two years.

ii. If the luminaire is supplied prepared for led tubes not supplied by AIRFAL, the warranty will be subject to the characteristics of the led tube used by the client. In no case AIRFAL will be responsible for malfunctions of the led tube used by the client, or damage in the fixture caused by the same tube.

CONDITIONS GÉNÉRALES DE VENTE

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1. Les conditions générales de vente sont applicables aux marchandises disponibles dans notre usine à Saragosse, par conséquent les risques inhérents au transport sont supportés par l'acheteur.

2. La commande minimum est de 50 €. Pour les commandes inférieures à ce montant, des frais de gestion de 20 € seront facturés.

3. Réclamations :

a) Détérioration pendant le transport : Toute réclamation devra être effectuée dans les 24 heures suivant la réception de la marchandise, en joignant une photocopie du bon de livraison de l'agence de transport faisant état de la détérioration, du mauvais état, etc.

b) Erreur dans le nombre de produits : Toute réclamation devra être effectuée dans les 24 heures suivant la réception.

4. Retours :

Passé un délai de 15 jours après réception de la marchandise, aucune réclamation ou retour ne sera accepté.

Aucun retour de matériel n'est accepté, sauf accord préalable et autorisation écrite de notre part.

Les appareils retournés seront remboursés à hauteur de maximum 80 % de leur montant facturé. Les frais de retour seront à la charge du client.

5. Ce catalogue annule tous les précédents catalogues.

Les informations publiées dans ce catalogue ont été soigneusement recueillies et sont suffisamment précises pour la plupart des applications. Toutefois, en raison du développement continu et de l'amélioration de nos produits, des modifications peuvent être apportées au matériel, à la conception, aux spécifications techniques et aux homologations, sans préavis.

Par conséquent, les schémas ne doivent être utilisés qu'à titre de référence et nous vous recommandons de confirmer les dimensions avant de passer commande.

6. AIRFAL INTERNATIONAL garantit ses luminaires contre tout défaut de fabrication, à compter de la date de fabrication et ce pour une période de deux ans.

Pour bénéficier de cette garantie, le produit doit être convenablement stocké, installé et entretenu. Cette garantie ne s'applique pas aux produits dont l'installation n'est pas conforme à la réglementation générale applicable aux matériels électriques, aux normes de sécurité AENOR, aux normes définies par l'ISO et à toute autre législation locale applicable. Cette garantie ne couvre pas les dommages causés aux luminaires en raison d'abus, de mauvaise utilisation, de contraintes excessives ou inhabituelles et de conditions d'utilisation autres que celles prévues pour chaque luminaire, ou du fait de surtensions ou d'une installation inappropriée. Tous les luminaires doivent être testés avant leur installation définitive.

Cette garantie s'applique uniquement à l'acheteur original, ou au premier utilisateur final le cas échéant. Si un produit couvert par cette garantie présente un défaut de fabrication, veuillez contacter notre département qualité/support technique pour suivre la procédure établie par notre service de garantie. Le département qualité vous indiquera les démarches à suivre.

CONDITIONS GÉNÉRALES DE GARANTIE DES PRODUITS

AIRFAL INTERNATIONAL SL garantit le fonctionnement de ses produits contre tout vice au niveau de la main-d'œuvre et du matériel utilisés pour leur fabrication, et ce de manière standard pendant 2 ans à compter de la date de fourniture. Une extension légale obligatoire de 6 mois (loi 23/2003) est proposée en complément à compter de la date de fourniture en vue de compenser les retards éventuels provoqués par l'entreposage.

En outre, la société AIRFAL INTERNATIONAL propose une garantie supplémentaire de 5 ans valable sur tous les composants LED (modules et drivers) dont la durée de vie moyenne estimée par le fabricant s'élève à 50 000 heures ou plus.

De même, la période de garantie des produits AIRFAL INTERNATIONAL SL réparés ou remplacés est étendue à 2 ou 5 ans (en fonction de la nature du composant), comme spécifié dans cette extension de la garantie légale.

Pour faire valoir cette garantie, une réclamation doit être adressée par écrit à notre département Qualité-Gestion des incidents.

Notre garantie comprend la réparation, le remplacement ou le changement du produit et/ou du composant sans frais pour le client, à l'exception des coûts relatifs à la main-d'œuvre ainsi que des frais de transport afférents à l'application de la garantie.

1. Couverture de la garantie

La couverture de cette garantie s'applique lorsque les conditions ci-dessous sont respectées :

1.1.- Le produit fourni est utilisé conformément aux spécifications de la fiche technique relatives au produit ainsi qu'à son utilisation.

1.2.- Les performances lumineuses (flux) des produits LED sont préservées pendant la période de garantie selon les données techniques spécifiées sur la fiche technique du module LED utilisé sur chaque luminaire, avec une tolérance autorisée de 5 %.

1.3.- L'utilisation annuelle moyenne maximale des produits installés à l'extérieur est de 4 000 heures, ces derniers étant utilisés dans le respect des spécifications techniques et des consignes d'installation.

1.4.- Le produit a été mis en fonctionnement dans la plage de température ambiante spécifiée sur la fiche technique.

1.5.- L'installation et/ou le montage ont été réalisés par du personnel technique spécialisé conformément aux consignes fournies avec le produit.

1.6.- Le produit N'A PAS été soumis à des contraintes mécaniques non conformes à l'usage prévu.

1.7.- En ce qui concerne les équipements électroniques, le produit a été installé avec des lampes conformes aux spécifications CEI en vigueur lors de l'acquisition. En cas d'utilisation de lampes ou de sources lumineuses spéciales, il convient de consulter AIRFAL INTERNATIONAL SL avant de procéder à l'achat du produit.

1.8.- Le client conserve le produit présumé défectueux en l'état dans lequel il se trouve (lampe comprise) pendant toute la durée nécessaire afin qu'AIRFAL INTERNATIONAL SL puisse mener à bien les vérifications pertinentes concernant les problèmes ou les défauts relevés.

AUCUNE réclamation déposée au sujet de produits ayant subi des modifications, dont le câblage a été altéré ou dont certaines pièces ont été réusinées NE SERA TRAITÉE.

1.9.- Le défaut présumé, dont la nature et l'ampleur sont convenablement spécifiées et vérifiées, a été communiqué par écrit par le client à AIRFAL INTERNATIONAL SL dans un délai maximum de 30 jours à compter de son constat.

1.10.- Le client a réglé le montant du produit conformément aux conditions de paiement convenues avec AIRFAL INTERNATIONAL SL.

1.11.- Ni le produit ni l'une de ses parties n'ont fait l'objet d'une réparation, d'un remplacement, d'un réglage, d'un scellage ou d'une modification par le client ou par toute autre personne sans l'autorisation écrite préalable d'AIRFAL INTERNATIONAL SL.

2. La garantie ne couvre pas :

2.1.- Les défauts du produit provoqués par des événements imprévus et imprévisibles, des situations fortuites et/ou des cas de force majeure (décharges électriques, foudre, pannes du réseau électrique, etc.), dont l'origine ne met pas en cause le processus de fabrication.

*Si le produit est installé dans un environnement ou un milieu chimiquement agressif, la société AIRFAL INTERNATIONAL SL doit en être préalablement tenue informée par écrit afin qu'elle puisse spécifier les précautions à prendre en compte ainsi que les actions de maintenance régulière à réaliser.

2.2.- Les défauts dérivés de décharges électriques, de régimes transitoires et de tout autre phénomène électrique lié à des perturbations potentielles en provenance de l'alimentation électrique du luminaire, y compris les défauts visés dans la norme CEI 61000-4-5 (EMC). Cette garantie NE couvre AUCUN produit intégrant des équipements électroniques installés sur un réseau électrique dont le taux de distorsion harmonique (THD) est supérieur à 10 %. (1)

2.3.- Les coûts afférents à la réparation du défaut (coûts de montage ou de démontage, frais de transport du produit défectueux et du produit réparé ou neuf, frais de mise à disposition, frais de déplacement et de séjour, coûts des dispositifs de levage ou des échafaudages utilisés, etc.), qui sont pris en charge par le client.

2.4.- Les parties soumises à l'usure (lampes, par exemple).

2.5.- Une défaillance soudaine inférieure ou égale à 10 % du nombre total de semi-conducteurs LED (arrondi à l'unité la plus proche) d'un produit pendant la période de garantie.

2.6.- Une défaillance soudaine inférieure ou égale à 5 % du nombre total de drivers de luminaires LED (arrondi à l'unité la plus proche) d'un produit pendant la période de garantie.

2.7.- Les systèmes de commande supplémentaires non fournis par AIRFAL INTERNATIONAL SL tels que les éléments de commande et de contrôle, les capteurs, les interfaces, etc.

2.8.- Les pièces, les éléments et les accessoires ajoutés au produit et non fournis par AIRFAL INTERNATIONAL SL après sa livraison.

2.9.- L'usure normale du produit.

2.10.- L'utilisation de détecteurs de présence. AIRFAL INTERNATIONAL SL ne recommande pas l'emploi de détecteurs de présence provoquant la coupure de l'alimentation de lampes fluorescentes. Si ces derniers sont utilisés, la garantie du produit ne couvre aucun luminaire dont la durée de fonctionnement est inférieure à 20 minutes par

détection. Le détecteur doit toujours agir sur la phase et jamais sur le neutre. Une coupure du neutre entraîne en effet des surtensions qui provoquent des pannes au niveau des ballasts.

Dans le cas où les produits présenteraient des défauts couverts par cette déclaration de garantie, et à condition que les conditions établies soient vérifiées, AIRFAL INTERNATIONAL SL peut opter pour la réparation et/ou le remplacement de ces derniers par des produits identiques ou équivalents, sur la base des progrès technologiques survenus par rapport aux produits d'origine.

AIRFAL INTERNATIONAL SL couvre également les coûts éventuels découlant du remplacement sur site des luminaires, et ce à condition que le temps de main-d'œuvre soit inférieur ou égal à 10 minutes par point lumineux.

Le client ne bénéficie d'aucun autre droit de réclamation auprès d'AIRFAL INTERNATIONAL SL pour ce qui est des produits défectueux. Il ne peut notamment pas se diriger à AIRFAL INTERNATIONAL SL pour réclamer le remboursement de frais de conservation éventuels du produit défectueux ou présentant un vice, ni une quelconque indemnisation ou un dédommagement en raison des préjudices. Le client ne peut pas prétendre non plus à un report de paiement.

(1) La sophistication et la complexité de plus en plus poussées des équipements d'alimentation et de commande des luminaires les rendent également plus sensibles aux perturbations électriques de toute nature. Les luminaires équipés de modules LED fabriqués à la demande du client avec une isolation de classe II et, par conséquent, sans raccordement à la terre, NE peuvent donc PAS être garantis pendant une période de 5 ans comme le reste des luminaires (classe I) en raison de l'absence de ce conducteur de protection extrêmement important.

(2) Les luminaires équipés de tubes LED sont assortis de deux conditions de garantie différentes :

i. Tubes LED fournis par AIRFAL. Dans ce cas, la garantie s'étend sur la période de garantie du tube fourni qui est habituellement de 2 ans.

ii. Si les luminaires sont livrés et préparés pour recevoir des tubes LED non fournis par AIRFAL, la garantie est assujettie aux caractéristiques du tube utilisé par le client. La société AIRFAL ne peut jamais être tenue pour responsable des dysfonctionnements du tube LED utilisé par le client ou des dégâts occasionnés par celui-ci sur le luminaire.

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