



LEADING SPECIALISTS IN ATEX
AND HIGH TECHNICAL SPECIFICATION LIGHTING

MAYORES ESPECIALISTAS EN ILUMINACIÓN ATEX
Y ALTA ESPECIFICACIÓN TÉCNICA

www.airfal.com



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FROM INDUSTRIAL LIGHTING MANUFACTURERS... DE FABRICANTES DE ILUMINACIÓN INDUSTRIAL...



Leading specialist in ATEX and
High Technical Specification lighting.

**Mayores especialistas en iluminación ATEX
y alta especificación técnica.**

WHAT MAKES US UNIQUE / LO QUE NOS HACE ÚNICOS



AIRFAL OFFERS YOU: LIGHTING SERVICES DESDE AIRFAL OFRECEMOS: SERVICIOS DE ILUMINACIÓN



TO TECHNOLOGICAL SOLUTIONS SUPPLIERS A PROVEEDORES DE SOLUCIONES TECNOLÓGICAS

Atenea, the unique IIoT wireless platform of sensorisation, monitoring and control for ATEX environments through lighting.

Atenea, la única plataforma IIoT de sensorización, monitorización y control inalámbrica para entornos ATEX, a través de la iluminación.

ATENEA HOW CAN IT HELP YOU? / ¿EN QUÉ TE PUEDE AYUDAR?



AIRFAL OFFERS YOU: **TECHNOLOGY SERVICES**
DESDE AIRFAL OFRECEMOS: **SERVICIOS DE TECNOLOGÍA**



ATEX LUMINAIRES LUMINARIAS ATEX

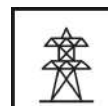


LINEAR AND EMERGENCY LUMINAIRES LUMINARIAS LINEALES Y DE EMERGENCIA

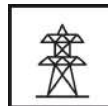
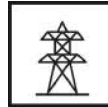
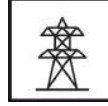
ZONE 1,21 / ZONA 1,21

				PYROS (08-09)
				PYROS BLOCK (10-11)

ZONE 2,21,22 / ZONA 2,21,22

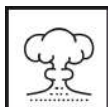
					GLASSEX (14-15)
					WATEX (20-21)

ZONE 2,22 / ZONA 2,22

					HIPEX (12-13)
					SECURE (16-17)
					SECURE BLOCK (18-19)

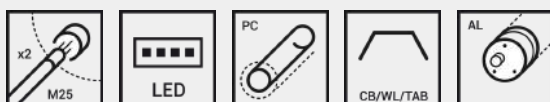
PROJECTORS / PROYECTORES

ZONE 1,21 / ZONA 1,21

					MAXUNO (22-23)
					MAXUNO LITE (24-25)

ZONE 2,22 / ZONA 2,22

				ATEX LED MAX (26-27)
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IP66

IK 10

LIFETIME
>
100.000

TECHNICAL DATA / DATOS TÉCNICOS

EXPLOSION PROTECTION / PROTECCIÓN CONTRA EXPLOSIONES

Zones	1,2,21,22	
IECEx Certificate Number	IECEx INE 21.0025X	
ATEX Certificate Number	INERIS 14ATEX0064X	
Gas explosion protection	ATEX: II 2 G Ex db IIB+H2 T6 Gb	IECEX: Ex db IIB+H2 T6 Gb
Dust explosion protection	ATEX: II 2 D Ex tb IIIC T85°C Db	IECEX: Ex tb IIIC T85°C Db

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

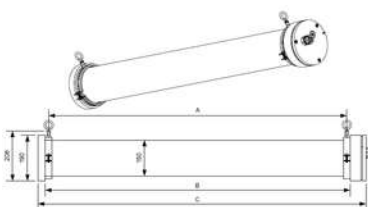
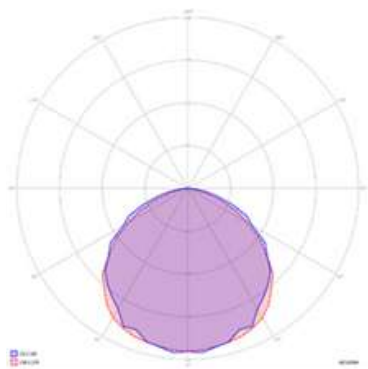
Ambient temperature - Temperatura ambiente	-20°C ... +50°C	
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LIGHTING DATA / DATOS LUMÍNICOS

Efficiency - Eficiencia (lm/W)	±190lm/W	
Colour temperature - Temperatura de color	(Optional range 3.000K—6.500K)	
Threaded holes - Orificios	2 x M25	

MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas	1 / 2 ud. M25	Optional - see Accessories
Plug - Tapón	1 / 0 ud. M25	Optional - see Accessories
Clamps - Bidas	Ø 152mm	Optional - see Accessories



LED TUBE / TUBO LED

Ref.	(mm led tube)	A (mm)	B (mm)	C (mm)
PY11T	1x600	626	654	748
PY12T	2x600	626	654	748
PY21T	1x1200	1235	1263	1357
PY22T	2x1200	1235	1263	1357
PY31T	1x1500	1537	1659	1659
PY32T	2x1500	1537	1659	1659

Ref.	Equiv.	(W)	(Lm)	(°K)	A (mm)	B (mm)	C (mm)	DALI supl.	Emerg. supl.(3h)	Cont.lin 3p	Cont.lin 5p
PY114	1X18W	12	2.318	4.000	626	654	748	PYSD12	0EMEL	PY003	PY004
PY124	2X18W	17	2.885	4.000	626	654	748	PYSD24	0EMEL	PY003	PY004
PY134	+2X18W	26	5.043	4.000	626	654	748	PYSD24	0EMXL	PY003	PY004
PY214	1X36W	24	4.636	4.000	1235	1263	1357	PYSD24	0EMXL	PY005	PY006
PY224	2X36W	40	6.954	4.000	1235	1263	1357	PYSD48	0EMXL	PY005	PY006
PY234	+2X36W	52	10.086	4.000	1235	1263	1357	PYSD48	0EMXL	PY005	PY006
PY314	1X58W	30	5.795	4.000	1537	1659	1659	PYSD30	0EMXL	PY007	PY008
PY324	2X58W	65	10.990	4.000	1537	1659	1659	PYSD60	0EMXL	PY007	PY008
PY334	+2X58W	65	12.608	4.000	1537	1659	1659	PYSD60	0EMXL	PY007	PY008
PY115	1X18W	12	2.303	5.000	626	654	748	PYSD12	0EMEL	PY003	PY004
PY125	2X18W	17	2.867	5.000	626	654	748	PYSD24	0EMEL	PY003	PY004
PY135	+2X18W	26	5.011	5.000	626	654	748	PYSD24	0EMXL	PY003	PY004
PY215	1X36W	24	4.606	5.000	1235	1263	1357	PYSD24	0EMXL	PY005	PY006
PY225	2X36W	40	6.909	5.000	1235	1263	1357	PYSD48	0EMXL	PY005	PY006
PY235	+2X36W	52	10.021	5.000	1235	1263	1357	PYSD48	0EMXL	PY005	PY006
PY315	1X58W	30	5.758	5.000	1537	1659	1659	PYSD30	0EMXL	PY007	PY008
PY325	2X58W	65	10.920	5.000	1537	1659	1659	PYSD60	0EMXL	PY007	PY008
PY335	+2X58W	65	12.527	5.000	1537	1659	1659	PYSD60	0EMXL	PY007	PY008
PY116	1X18W	12	2.272	6.500	626	654	748	PYSD12	0EMEL	PY003	PY004
PY126	2X18W	26	2.828	6.500	626	654	748	PYSD24	0EMEL	PY003	PY004
PY136	+2X18W	17	4.944	6.500	626	654	748	PYSD24	0EMXL	PY003	PY004
PY216	1X36W	24	4.544	6.500	1235	1263	1357	PYSD24	0EMXL	PY005	PY006
PY226	2X36W	40	6.816	6.500	1235	1263	1357	PYSD48	0EMXL	PY005	PY006
PY236	+2X36W	52	9.887	6.500	1235	1263	1357	PYSD48	0EMXL	PY005	PY006
PY316	1X58W	30	5.680	6.500	1537	1659	1659	PYSD30	0EMXL	PY007	PY008
PY326	2X58W	65	10.773	6.500	1537	1659	1659	PYSD60	0EMXL	PY007	PY008
PY336	+2X58W	65	12.358	6.500	1537	1659	1659	PYSD60	0EMXL	PY007	PY008



OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

DESCRIPTION	Ref.	
Zinc plated steel clamps - Bridas acero cincado (1)	EX511	2 pcs
Stainless steel clamps - Bidas acero inoxidable	PYRMAR	Includes stainless clamps, chain and screws Incluye bridas, cadena y tornillos inoxidables
Plug - Tapón Ex db	EX512	
Armored cable gland - Prensaestopas Ex db	EX507	Cable 9-16mm
Non armored cable gland - Prensaestopas cable no armado Ex db	EX510	Cable 9-16mm
Emergency - Emergencia 3h	See chart (Emerg. sup 3h) ↑	
Dali option - Opción DALI	See chart (DALI sup.) ↑	
316 Stainless Steel Pole fixing - Fijación a báculo inox 316	PY009	ø 60 mm.
3 poles continuous line wiring - Línea continua 3 polos	See chart (Cont. lin 3p) ↑	
5 poles continuous line wiring - Línea continua 5 polos	See chart (Cont. lin 5p) ↑	
Mounting kit - Kit de montaje	PYRMON	Anti-loss screws for aerial mounting Tornillos anti pérdida para montaje aéreo

PYROS BLOCK



IP66

IK 10

TECHNICAL DATA / DATOS TÉCNICOS

EXPLOSION PROTECTION / PROTECCIÓN CONTRA EXPLOSIONES

Zones	1,2,21,22	
IECEx Certificate Number	IECEx INE 21.0025X	
ATEX Certificate Number	INERIS 14ATEX0064X	
Gas explosion protection	ATEX: II 2 G Ex db IIB+H2 T6 Gb	IECEX: Ex db IIB+H2 T6 Gb
Dust explosion protection	ATEX: II 2 D Ex tb IIIC T85°C Db	IECEX: Ex tb IIIC T85°C Db

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

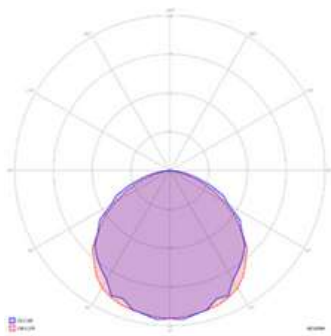
Ambient temperature - Temperatura ambiente	0°C ... +50°C	
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LIGHTING DATA / DATOS LUMÍNICOS

Colour temperature - Temperatura de color	6.500K	
Threaded holes - Orificios	2 x M25	

MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas	1 / 2 ud. M25	Optional - see Accessories
Plug - Tapón	1 / 0 ud. M25	Optional - see Accessories
Clamps - Bidas	Ø 152mm	Optional - see Accessories

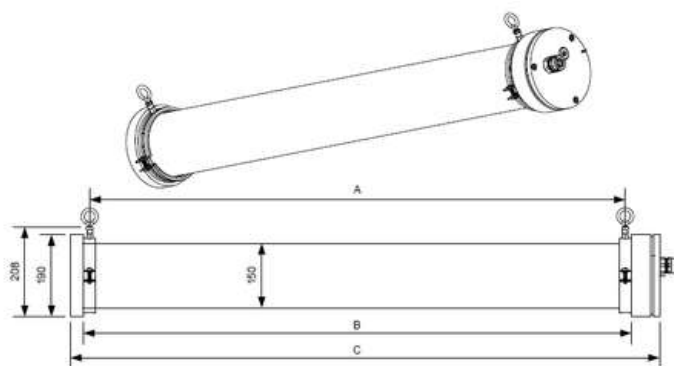


MAINTAINED
PERMANENTE

NON-MAINTAINED
NO PERMANENTE

PERMANENT MODE SWITCHED
MODO PERMANENTE ON/OFF

Ref.	(Lm)	Batt.	Maintained/ N	A (mm)	B (mm)	C (mm)
EXZ10	-/500	1H	●	318	346	440
EXZ11	2500/500	1H	●	318	346	440
EXZ20	2500/500	1H	●	318	346	440
EXZ12	-/700	1H	●	626	654	748
EXZ13	4500/900	1H	●	626	654	748
EXZ21	4500/900	1H	●	626	654	748
EXZ14	4500/900	1H	●	1235	1263	1357
EXZ22	4500/900	1H	●	1235	1263	1357
EXZ15	-/500	3H	●	318	346	440
EXZ16	-/700	3H	●	318	346	440
EXZ18	4500/900	3H	●	626	654	748
EXZ23	4500/900	3H	●	626	654	748
EXZ17	-/900	3H	●	1235	1263	1357
EXZ19	4500/900	3H	●	1235	1263	1357
EXZ24	4500/900	3H	●	1235	1263	1357



OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

DESCRIPTION	Ref.	
Zinc plated steel clamps - Bridas acero cincado (1)	EX511	2 pcs
Stainless steel clamps - Bridas acero inoxidable	PYRMAR	Includes stainless clamps, chain and screws Incluye bridas, cadena y tornillos inoxidables
Plug - Tapón Ex db	EX512	
Armored cable gland - Prensaestopas Ex db	EX507	Cable 9-16mm
Non armored cable gland - Prensaestopas cable no armado Ex db	EX510	Cable 9-16mm
316 Stainless Steel Pole fixing - Fijación a báculo inox 316	PY009	ø 60 mm
Mounting kit - Kit de montaje	PYRMON	Anti-loss screws for aerial mounting Tornillos anti pérdida para montaje aéreo
Exit sign - Señal de salida	Q0310	20m. visibility - Visibilidad 20m



IP68-2

IP69K

IK 10

LIFETIME
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100.000

TECHNICAL DATA / DATOS TÉCNICOS

EXPLOSION PROTECTION / PROTECCIÓN CONTRA EXPLOSIONES

Zones	2,22	
Gas explosion protection	ATEX: II 3G Ex nR IIC T6 Gc	IECEX: Ex nR IIC T6 Gc
Dust explosion protection	ATEX: II 3D Ex tc IIIC T85°C Dc	IECEX: Ex tc IIIC T85°C Dc

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente	-25°C ... +45°C	
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LIGHTING DATA / DATOS LUMÍNICOS

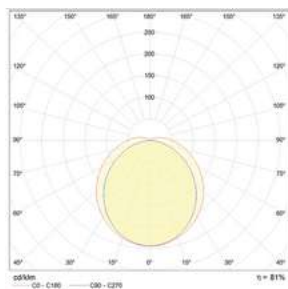
Efficiency - Eficiencia (lm/W)	±170lm/W	
Colour temperature - Temperatura de color	(Optional range 3.000K—6.500K)	

MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas	Non armored M20 cable gland - Prensaestopas M20 para cable no armado	Included
Clamps - Bidas	Ø 80 mm	Optional - see Accessories

MECHANICAL DATA / DATOS CONSTRUCTIVOS

Tube - Tubo	Opal	
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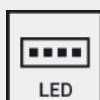
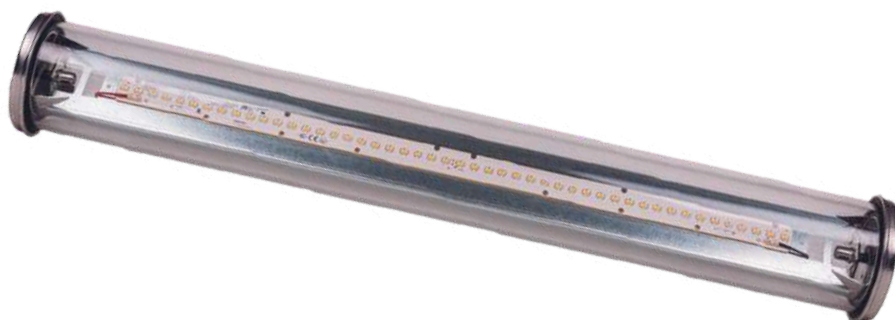


Ref.	Equiv.	(W)	(Lm)	(°K)	L (mm)	D (mm)	DALI supl.	Emerg. supl.(1h)	Emerg. supl.(3h)	Cont.lin 3p	Cont.lin 5p
HI114	1X18W	13	1.550	4.000	685	100	DALSU1	0EM06	0EM08	Q0581	Q0582
HI124	2X18W	17	2.885	4.000	685	100	DALSU1	0EM07	0EM09	Q0581	Q0582
HI214	1X36W	24	3.200	4.000	1.300	100	DALSU1	0EM07	0EM09	Q0581	Q0582
HI224	2X36W	40	6.954	4.000	1.300	100	DALSU1	0EM07	0EM09	Q0581	Q0582
HI314	1X58W	29	4.000	4.000	1.600	100	DALSU1	0EM07	0EM09	Q0581	Q0582
HI324	2X58W	65	10.990	4.000	1.600	100	DALSU1	0EM07	0EM09	Q0581	Q0582
HI115	1X18W	13	1.456	5.000	685	100	DALSU1	0EM06	0EM08	Q0581	Q0582
HI125	2X18W	17	2.867	5.000	685	100	DALSU1	0EM07	0EM09	Q0581	Q0582
HI215	1X36W	24	3.192	5.000	1.300	100	DALSU1	0EM07	0EM09	Q0581	Q0582
HI225	2X36W	40	6.909	5.000	1.300	100	DALSU1	0EM07	0EM09	Q0581	Q0582
HI315	1X58W	29	3.990	5.000	1.600	100	DALSU1	0EM07	0EM09	Q0581	Q0582
HI325	2X58W	65	10.920	5.000	1.600	100	DALSU1	0EM07	0EM09	Q0581	Q0582
HI116	1X18W	13	1.512	6.500	685	100	DALSU1	0EM06	0EM08	Q0581	Q0582
HI126	2X18W	17	2.828	6.500	685	100	DALSU1	0EM07	0EM09	Q0581	Q0582
HI216	1X36W	24	3.149	6.500	1.300	100	DALSU1	0EM07	0EM09	Q0581	Q0582
HI226	2X36W	40	6.816	6.500	1.300	100	DALSU1	0EM07	0EM09	Q0581	Q0582
HI316	1X58W	29	3.937	6.500	1.600	100	DALSU1	0EM07	0EM09	Q0581	Q0582
HI326	2X58W	65	10.773	6.500	1.600	100	DALSU1	0EM07	0EM09	Q0581	Q0582



OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

DESCRIPTION	Ref.	
Zinc plated steel clamps - Bridas acero cincado (1)	Q0338	2 pcs
Stainless steel clamps - Bridas acero inoxidable (1)	Q0347	2 pcs
Quick opening stainless steel clamps - Bridas acero inoxidable de apertura rápida (2)	Q0348	2 pcs
Anti vandalic PC clamp - Bridas PC anti vandállicas (3)	Q0110	2 pcs
Stainless steel 316 end caps - Tapas acero inox 316	Q0657	2 pcs
Steel cable suspensión - Suspensión cable de acero	Q0349	1900mm 2 pcs
Armored cable gland - Prensaestopas cable armado	EX508	Cable 9-16mm
Emergency - Emergencia 1h	See chart (Emerg. sup 1h)	↑
Emergency - Emergencia 3h	See chart (Emerg. sup 3h)	↑
Dali option - Opción DALI	See chart (DALI sup.)	↑
Pole fixing - Fijación a báculo	Q0978	ø 60 mm
3 poles continuous line wiring - Línea continua 3 polos	See chart (Cont. lin 3p)	↑
5 poles continuous line wiring - Línea continua 5 polos	See chart (Cont. lin 5p)	↑



TECHNICAL DATA / DATOS TÉCNICOS

EXPLOSION PROTECTION / PROTECCIÓN CONTRA EXPLOSIONES

Zones	2,21,22	
Gas explosion protection	ATEX: II 3G Ex ec IIC T6 Gc	IECEX: Ex ec IIC T6 Gc
Dust explosion protection	ATEX: II 2D Ex tb IIIC 85°C Db	IECEX: Ex tb IIIC 85°C Db

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente	-25°C ... +45°C	
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LIGHTING DATA / DATOS LUMÍNICOS

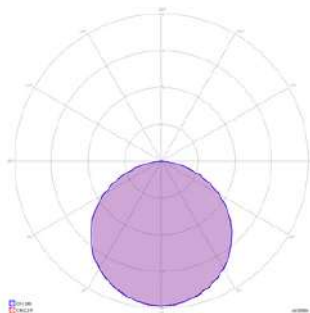
Efficiency - Eficiencia (lm/W)	±170lm/W	
Colour temperature - Temperatura de color	(Optional range 3.000K—6.500K)	

MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

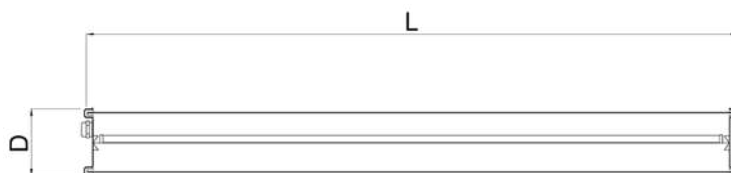
Cable gland - Prensaestopas	Non armored M20 cable gland - Prensaestopas M20 para cable no armado	Included
Clamps - Bridas	M8/M10 D.87-92 MM	Optional - see Accessories

MECHANICAL DATA / DATOS CONSTRUCTIVOS

Tube - Tubo	Transparent tempered borosilicate glass	
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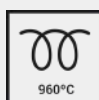
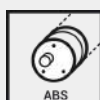
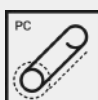
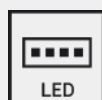


Ref.	Equiv.	(W)	(Lm)	(°K)	L (mm)	D (mm)	DALI supl.	Emerg. supl.(1h)	Emerg. supl.(3h)	Cont.lin 3p	Cont.lin 5p
GL114	1X18W	13	1.550	4.000	667	105	DALS1W	0EM06	0EM08	Q0572	Q0573
GL124	2X18W	17	2.885	4.000	667	105	DALS1W	0EM07	0EM09	Q0572	Q0573
GL214	1X36W	24	3.200	4.000	1.266	105	DALS1W	0EM07	0EM09	Q0572	Q0573
GL224	2X36W	40	6.954	4.000	1.266	105	DALS1W	0EM07	0EM09	Q0572	Q0573
GL314	1X58W	29	4.000	4.000	1.567	105	DALS1W	0EM07	0EM09	Q0572	Q0573
GL324	2X58W	65	10.990	4.000	1.567	105	DALS1W	0EM07	0EM09	Q0572	Q0573
GL115	1X18W	13	1.456	5.000	667	105	DALS1W	0EM06	0EM08	Q0572	Q0573
GL125	2X18W	17	2.867	5.000	667	105	DALS1W	0EM07	0EM09	Q0572	Q0573
GL215	1X36W	24	3.192	5.000	1.266	105	DALS1W	0EM07	0EM09	Q0572	Q0573
GL225	2X36W	40	6.909	5.000	1.266	105	DALS1W	0EM07	0EM09	Q0572	Q0573
GL315	1X58W	29	3.990	5.000	1.567	105	DALS1W	0EM07	0EM09	Q0572	Q0573
GL325	2X58W	65	10.920	5.000	1.567	105	DALS1W	0EM07	0EM09	Q0572	Q0573
GL116	1X18W	13	1.512	6.500	667	105	DALS1W	0EM06	0EM08	Q0572	Q0573
GL126	2X18W	17	2.828	6.500	667	105	DALS1W	0EM07	0EM09	Q0572	Q0573
GL216	1X36W	24	3.149	6.500	1.266	105	DALS1W	0EM07	0EM09	Q0572	Q0573
GL226	2X36W	40	6.816	6.500	1.266	105	DALS1W	0EM07	0EM09	Q0572	Q0573
GL316	1X58W	29	3.937	6.500	1.567	105	DALS1W	0EM07	0EM09	Q0572	Q0573
GL326	2X58W	65	10.773	6.500	1.567	105	DALS1W	0EM07	0EM09	Q0572	Q0573



OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

DESCRIPTION	Ref.	
Stainless steel 316 clamps - Bidas acero inox 316 (1)	Q0116	2 pcs
Steel cable suspensión - Suspensión cable de acero	Q0349	1900mm 2 pcs
Armored cable gland - Prensaestopas cable armado	EX508	Cable 9-16mm
Emergency - Emergencia 1h	See chart (Emerg. sup 1H)	↑
Emergency - Emergencia 3h	See chart (Emerg. sup 3h)	↑
Dali option - Opción DALI	See chart (DALI sup.)	↑
Pole fixing - Fijación a báculo	Q0978	ø 60 mm
3 poles continuous line wiring - Línea continua 3 polos	See chart (Cont. lin 3p)	↑
5 poles continuous line wiring - Línea continua 5 polos	See chart (Cont. lin 5p)	↑



TECHNICAL DATA / DATOS TÉCNICOS

EXPLOSION PROTECTION / PROTECCIÓN CONTRA EXPLOSIONES

Zones	2,22	
Gas explosion protection	ATEX: II 3G Ex nR IIC T6 Gc	
Dust explosion protection	ATEX: II 3D Ex tc IIIC T85°C Dc	

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente	-25°C ... +40°C	
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LIGHTING DATA / DATOS LUMÍNICOS

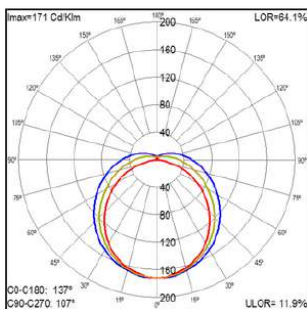
Efficiency - Eficiencia (lm/W)	±170lm/W	
Colour temperature - Temperatura de color	(Optional range 3.000K—6.500K)	

MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas	Non armored M25 cable gland - Prensaestopas cable no armado M25	Included
Clamps - Bidas	Ø 83 mm	Optional - see Accessories

MECHANICAL DATA / DATOS CONSTRUCTIVOS

Tube - Tubo	Opal	Transparent for led tube
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LED TUBE / TUBO LED

Transparent housing

Ref.	(mm led tube)	L (mm)	D (mm)
SE11T	1x600	720	83
SE12T	2x600	720	83
SE21T	1x1200	1.313	83
SE22T	2x1200	1.313	83
SE31T	1x1500	1.613	83
SE32T	2x1500	1.613	83

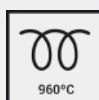
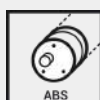
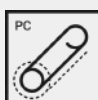
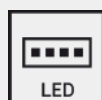
Ref.	Equiv.	(W)	(Lm)	(°K)	L (mm)	D (mm)	DALI supl.	Emerg. supl.(1h)	Emerg. supl.(3h)	Cont.lin 3p	Cont.lin 5p
SE113	1X18W	13	1.490	3.000	720	83	DALSU1	0EM06	0EM08	EX624	EX625
SE123	2X18W	17	2.720	3.000	720	83	DALSU1	0EM07	0EM09	EX624	EX625
SE213	1X36W	24	2.980	3.000	1.313	83	DALSU1	0EM07	0EM09	EX624	EX625
SE223	2X36W	40	6.556	3.000	1.313	83	DALSU1	0EM07	0EM09	EX624	EX625
SE313	1X58W	29	3.720	3.000	1.613	83	DALSU1	0EM07	0EM09	EX624	EX625
SE323	2X58W	65	10.362	3.000	1.613	83	DALSU1	0EM07	0EM09	EX624	EX625
SE114	1X18W	13	1.550	4.000	720	83	DALSU1	0EM06	0EM08	EX624	EX625
SE124	2X18W	17	2.885	4.000	720	83	DALSU1	0EM07	0EM09	EX624	EX625
SE214	1X36W	24	3.200	4.000	1.313	83	DALSU1	0EM07	0EM09	EX624	EX625
SE224	2X36W	40	6.954	4.000	1.313	83	DALSU1	0EM07	0EM09	EX624	EX625
SE314	1X58W	29	4.000	4.000	1.613	83	DALSU1	0EM07	0EM09	EX624	EX625
SE324	2X58W	65	10.990	4.000	1.613	83	DALSU1	0EM07	0EM09	EX624	EX625
SE115	1X18W	13	1.456	5.000	720	83	DALSU1	0EM06	0EM08	EX624	EX625
SE125	2X18W	17	2.867	5.000	720	83	DALSU1	0EM07	0EM09	EX624	EX625
SE215	1X36W	24	3.192	5.000	1.313	83	DALSU1	0EM07	0EM09	EX624	EX625
SE225	2X36W	40	6.909	5.000	1.313	83	DALSU1	0EM07	0EM09	EX624	EX625
SE315	1X58W	29	3.990	5.000	1.613	83	DALSU1	0EM07	0EM09	EX624	EX625
SE325	2X58W	65	10.920	5.000	1.613	83	DALSU1	0EM07	0EM09	EX624	EX625
SE116	1X18W	13	1.512	6.500	720	83	DALSU1	0EM06	0EM08	EX624	EX625
SE126	2X18W	17	2.828	6.500	720	83	DALSU1	0EM07	0EM09	EX624	EX625
SE216	1X36W	24	3.149	6.500	1.313	83	DALSU1	0EM07	0EM09	EX624	EX625
SE226	2X36W	40	6.816	6.500	1.313	83	DALSU1	0EM07	0EM09	EX624	EX625
SE316	1X58W	29	3.937	6.500	1.613	83	DALSU1	0EM07	0EM09	EX624	EX625
SE326	2X58W	65	10.773	6.500	1.613	83	DALSU1	0EM07	0EM09	EX624	EX625



OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

DESCRIPTION	Ref.	
Zinc plated steel clamps - Bridas acero cincado (1)	Q0159	2 pcs
Stainless steel clamps - Bridas acero inoxidable (1)	Q0401	2 pcs
Quick opening stainless steel clamps - Bridas acero inoxidable de apertura rápida (2)	Q0156	2 pcs
Anti vandalic PC clamp - Bridas PC anti vandálicas (3)	Q0153	2 pcs
Anti static plastic clamps - Bridas antiestáticas plásticas (4)	EX623	2 pcs
Steel cable suspension - Suspensión cable de acero	Q0349	1900mm 2 pcs
Emergency - Emergencia	↑ See chart (Emerg. sup 1-3h)	
Dali option - Opción DALI	↑ See chart (DALI sup.)	
Pole fixing - Fijación a báculo	Q0978	ø 60 mm
3 poles continuous line wiring - Línea continua 3 polos	↑ See chart (Cont. lin 3p)	
5 poles continuous line wiring - Línea continua 5 polos	↑ See chart (Cont. lin 5p)	
Anti cavitation kit - Kit anti cavitación	Q0147	

SECURE BLOCK



TECHNICAL DATA / DATOS TÉCNICOS

EXPLOSION PROTECTION / PROTECCIÓN CONTRA EXPLOSIONES

Zones	2,22	
Gas explosion protection	ATEX: II 3G Ex nR IIC T6 Gc	
Dust explosion protection	ATEX: II 3D Ex tc IIIC T85°C Dc	

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente	0°C ... +40°C	
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LIGHTING DATA / DATOS LUMÍNICOS

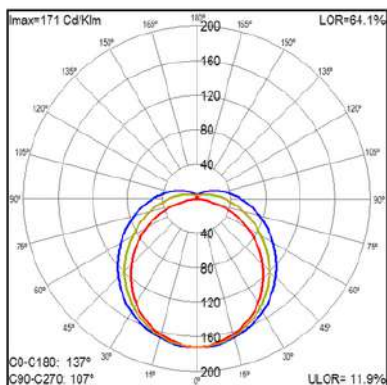
Colour temperature - Temperatura de color	5.500°K	
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MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas	Non armored M25 cable gland - Prensaestopas cable no armado M25	Included
Clamps - Bidas	Ø 83 mm	Optional - see Accessories

MECHANICAL DATA / DATOS CONSTRUCTIVOS

Tube - Tubo	Opal	
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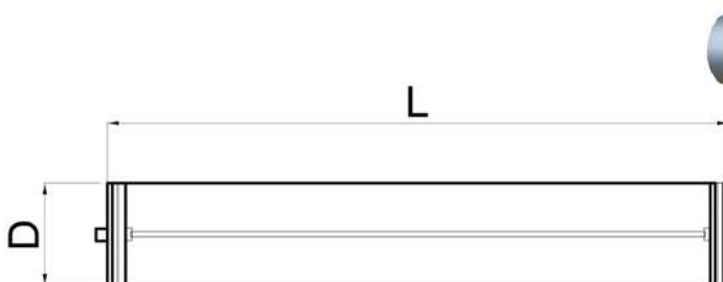


MAINTAINED
PERMANENTE

NON-MAINTAINED
NO PERMANENTE

PERMANENT MODE SWITCHED
MODO PERMANENTE ON/OFF

Ref.	(Lm)	Batt.	Maintained/ N	L (mm)	D (mm)
EXSB1	100	1,5H	●	415	83
EXSB13	100	3H	●	415	83
EXSB4	100	1,5H	●	415	83
EXSB43	100	3H	●	415	83
EXSB7	100	1,5H	●	415	83
EXSB73	100	1H	●	415	83
EXSB2	200	1H	●	415	83
EXSB5	200	1H	●	415	83
EXSB8	200	1H	●	415	83
EXSB3	300	1H	●	415	83
EXSB6	300	1H	●	415	83
EXSB9	300	1H	●	415	83



OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES



DESCRIPTION	Ref.	
Zinc plated steel clamps - Bridas acero cincado (1)	Q0159	2 pcs
Stainless steel clamps - Bridas acero inoxidable (1)	Q0401	2 pcs
Quick opening stainless steel clamps - Bridas acero inoxidable de apertura rápida (2)	Q0156	2 pcs
Anti vandalic PC clamp - Bridas PC anti vandállicas (3)	Q0153	2 pcs
Anti static plastic clamps - Bridas antiestáticas plásticas (4)	EX623	2 pcs
Steel cable suspensión - Suspensión cable de acero	Q0349	1900mm 2 pcs
Pole fixing - Fijación a báculo	Q0978	ø 60 mm
Exit sign - Señal de salida	Q0310	20m. visibility - visibilidad 20m



IP66

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TECHNICAL DATA / DATOS TÉCNICOS

EXPLOSION PROTECTION / PROTECCIÓN CONTRA EXPLOSIONES

Zones	2,21,22	
Gas explosion protection	ATEX: II 3G Ex ec IIC T5 Gc	IECEX: Ex ec IIC T5 Gc
Dust explosion protection	ATEX: II 2D Ex tb IIIC 85°C Db	IECEX: Ex tb IIIC 85°C Db

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente	-20°C ... +45°C	
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LIGHTING DATA / DATOS LUMÍNICOS

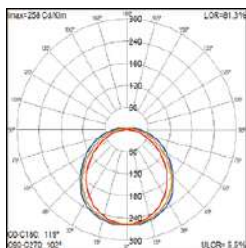
Efficiency - Eficiencia (Lm/W)	±170m/W	
Colour temperature - Temperatura de color	(Optional range 3.000K—6.500K)	

MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

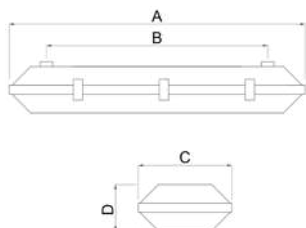
Cable gland - Prensaestopas	Non armored M20 cable gland (7-12mm) - Prensaestopas M20 para cable no armado (7-12mm)	Included
Clips	Inox	Included

MECHANICAL DATA / DATOS CONSTRUCTIVOS

Closing gasket - Junta de cierre	Silicone - Silicona	
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Ref.	Equiv.	(W)	(Lm)	(°K)	A (mm)	B (mm)	C (mm)	D (mm)	DALI supl.	Emerg. supl. (1h)	Emerg. supl. (3h)	Cont.lin 3p	Cont.lin 5p
EW114C	1X18w	13	1.550	4.000	664	260	100	110	DALS1W	0EM06	0EM08	Q0975	Q0976
EW124C	2X18W	17	2.885	4.000	664	260	100	110	DALS1W	0EM07	0EM09	Q0975	Q0976
EY124C	+2X18W	32	5.770	4.000	664	260	160	110	DALS2W	0EM07	0EM09	Q0975	Q0976
EW214C	1X36W	24	3.200	4.000	1.274	870	100	110	DALS1W	0EM07	0EM09	Q0975	Q0976
EW224C	2X36W	40	6.954	4.000	1.274	870	100	110	DALS1W	0EM07	0EM09	Q0975	Q0976
EY224C	+2X36W	64	11.541	4.000	1.274	870	160	110	DALS2W	0EM07	0EM09	Q0975	Q0976
EW314C	1X58W	29	4.000	4.000	1.575	650	100	105	DALS1W	0EM07	0EM09	Q0975	Q0976
EW324C	2X58W	65	10.990	4.000	1.575	650	100	105	DALS1W	0EM07	0EM09	Q0975	Q0976
EY324C	+2X58W	80	14.426	4.000	1.575	650	160	110	DALS2W	0EM07	0EM09	Q0975	Q0976
EW115C	1X18w	13	1.456	5.000	664	260	100	110	DALS1W	0EM06	0EM08	Q0975	Q0976
EW125C	2X18W	17	2.867	5.000	664	260	100	110	DALS1W	0EM07	0EM09	Q0975	Q0976
EY125C	+2X18W	32	5.733	5.000	664	260	160	110	DALS2W	0EM07	0EM09	Q0975	Q0976
EW215C	1X36W	24	3.192	5.000	1.274	870	100	110	DALS1W	0EM07	0EM09	Q0975	Q0976
EW225C	2X36W	40	6.909	5.000	1.274	870	100	110	DALS1W	0EM07	0EM09	Q0975	Q0976
EY225C	+2X36W	64	11.466	5.000	1.274	870	160	110	DALS2W	0EM07	0EM09	Q0975	Q0976
EW315C	1X58W	29	3.990	5.000	1.575	650	100	105	DALS1W	0EM07	0EM09	Q0975	Q0976
EW325C	2X58W	65	10.920	5.000	1.575	650	100	105	DALS1W	0EM07	0EM09	Q0975	Q0976
EY325C	+2X58W	80	14.334	5.000	1.575	650	160	110	DALS2W	0EM07	0EM09	Q0975	Q0976
EW116C	1X18w	13	1.512	6.500	664	260	100	110	DALS1W	0EM06	0EM08	Q0975	Q0976
EW126C	2X18W	17	2.828	6.500	664	260	100	110	DALS1W	0EM07	0EM09	Q0975	Q0976
EY126C	+2X18W	32	5.656	6.500	664	260	160	110	DALS2W	0EM07	0EM09	Q0975	Q0976
EW216C	1X36W	24	3.149	6.500	1.274	870	100	110	DALS1W	0EM07	0EM09	Q0975	Q0976
EW226C	2X36W	40	6.816	6.500	1.274	870	100	110	DALS1W	0EM07	0EM09	Q0975	Q0976
EY226C	+2X36W	64	11.312	6.500	1.274	870	160	110	DALS2W	0EM07	0EM09	Q0975	Q0976
EW316C	1X58W	29	3.937	6.500	1.575	650	100	105	DALS1W	0EM07	0EM09	Q0975	Q0976
EW326C	2X58W	65	10.773	6.500	1.575	650	100	105	DALS1W	0EM07	0EM09	Q0975	Q0976
EY326C	+2X58W	80	14.140	6.500	1.575	650	160	105	DALS2W	0EM07	0EM09	Q0975	Q0976

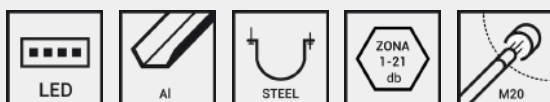


OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

DESCRIPTION	Ref.	
Steel cable suspension - Suspensión cable de acero	Q0349	2 pcs
Armored cable gland - Prensaestopas cable armado	Q0981	
5 poles supplement - Suplemento 5 polos	Q0974	
Emergency - Emergencia 1h	See chart (Emerg. sup 1H)	↑
Emergency - Emergencia 3h	See chart (Emerg. sup 3h)	↑
Dali option - Opción DALI	See chart (DALI sup.)	↑
Pole fixing - Fijación a báculo	Q0978	ø 60 mm
3 poles continuous line wiring - Línea continua 3 polos	See chart (Cont. lin 3p)	↑
5 poles continuous line wiring - Línea continua 5 polos	See chart (Cont. lin 5p)	↑
3 poles continuous line wiring for armoured cable - Línea continua 3 polos para cable armado	Q0975A	
5 poles continuous line wiring for armoured cable - Línea continua 5 polos para cable armado	Q0976A	



UNIQUE IN THE MARKET WITH INTEGRATED EMERGENCY OPTION
ÚNICO EN EL MERCADO CON OPCIÓN DE EMERGENCIA INTEGRADA



IP66

IK 10

LIFETIME
 >
 100.000

TECHNICAL DATA / DATOS TÉCNICOS

EXPLOSION PROTECTION / PROTECCIÓN CONTRA EXPLOSIONES

Zones	1,21,2,22	
Gas explosion protection	ATEX: II 2G Ex db IIB T6... T5 Gb	IECEx: Ex db IIB T6... T5 Gb
Dust explosion protection	ATEX: II 2D Ex tb IIIC 85°C Db	IECEx: Ex tb IIIC 85°C Db

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente	(-20°C ... +60°C) = T5 (-20°C ... +55°C) = T6 (-20°C ... +30°C) = T6 Emergency		
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LIGHTING DATA / DATOS LUMÍNICOS

Efficiency - Eficiencia (Lm/W)	±150m/W	
Colour temperature - Temperatura de color	(Optional range 4.000K—5.000K)	

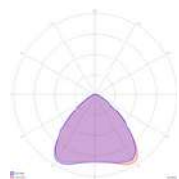
MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Armored cable gland - Prensaestopas de cable armado	M20	Optional. See accessories
Tip support - Lira de soporte	Stainless steel - Acero Inoxidable	Included

MECHANICAL DATA / DATOS CONSTRUCTIVOS

Diffuser - Difusor	8mm. tempered glass diffuser - Vidrio templado de 8mm	
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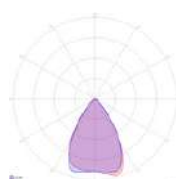
● EXTENSIVE 150°



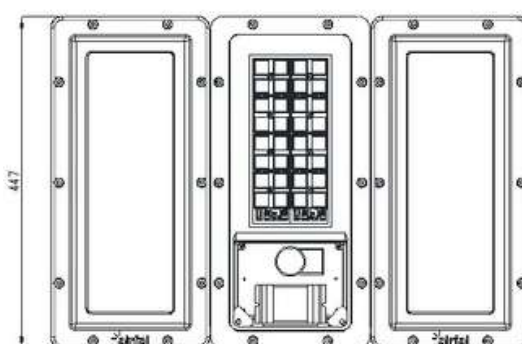
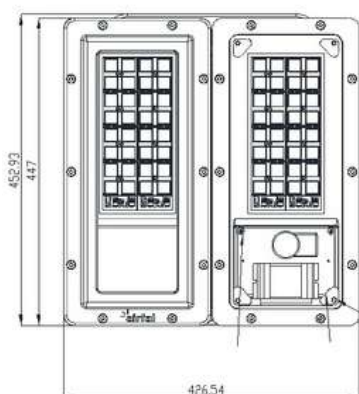
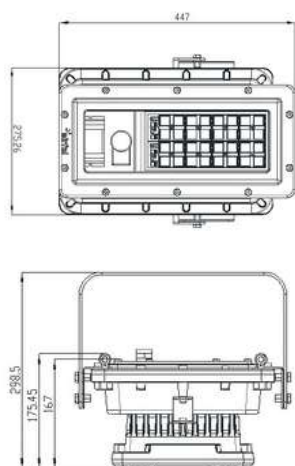
● ASYMMETRIC



● INTENSIVE 65°

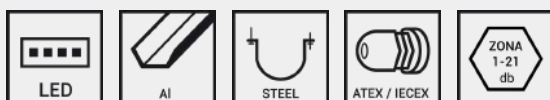


Ref.	Equiv.(HM)	(W)	(Lm)	(°K)	N° parts	Optic	DALI supl.	Emerg. supl. (3h 400lm)	Emerg. supl. (3h 1000lm)
PA604A	150W	60	8.766	4.000	1	●	MUSDA1	OEMP1	-
PA604B	150W	60	8.766	4.000	1	●	MUSDA1	OEMP1	-
PA604C	150W	60	8.766	4.000	1	●	MUSDA1	OEMP1	-
PA704A	250W	120	17.533	4.000	2	●	MUSDA2	OEMP2	OEMP3
PA704B	250W	120	17.533	4.000	2	●	MUSDA2	OEMP2	OEMP3
PA704C	250W	120	17.533	4.000	2	●	MUSDA2	OEMP2	OEMP3
PA804A	400W	179	26.299	4.000	3	●	MUSDA3	OEMP2	OEMP3
PA804B	400W	179	26.299	4.000	3	●	MUSDA3	OEMP2	OEMP3
PA804C	400W	179	26.299	4.000	3	●	MUSDA3	OEMP2	OEMP3
PA605A	150W	60	8.878	5.000	1	●	MUSDA1	OEMP1	
PA605B	150W	60	8.878	5.000	1	●	MUSDA1	OEMP1	
PA605C	150W	60	8.878	5.000	1	●	MUSDA1	OEMP1	
PA705A	250W	120	17.755	5.000	2	●	MUSDA2	OEMP2	OEMP3
PA705B	250W	120	17.755	5.000	2	●	MUSDA2	OEMP2	OEMP3
PA705C	250W	120	17.755	5.000	2	●	MUSDA2	OEMP2	OEMP3
PA805A	400W	179	26.633	5.000	3	●	MUSDA3	OEMP2	OEMP3
PA805B	400W	179	26.633	5.000	3	●	MUSDA3	OEMP2	OEMP3
PA805C	400W	179	26.633	5.000	3	●	MUSDA3	OEMP2	OEMP3



OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

DESCRIPTION	Ref.	
Galvanised steel cable suspension kit - Kit de suspensión cable de acero	MUSUSG	3m 4 pcs
Stainless steel cable suspension kit - Kit de suspensión cable de acero inox	MUSUSI	3m 4 pcs
Armored cable gland - Prensaestopas cable armado	MUSPA	M20
Emergency - Emergencia 3h 400lm	See chart (Emerg. sup 3H 400lm) ↑	
Emergency - Emergencia 3h 1000lm	See chart (Emerg. sup 3h 1000lm) ↑	
Dali option - Opción DALI	See chart (DALI sup.) ↑	



TECHNICAL DATA / DATOS TÉCNICOS

EXPLOSION PROTECTION / PROTECCIÓN CONTRA EXPLOSIONES

Zones	1,21,2,22	
Gas explosion protection	 ATEX: II 2G Ex db eb IIB T6 Gb	IECEX: Ex db eb IIB T6..T5 Gb
Dust explosion protection	 ATEX: II 2D Ex tb IIIC 85°C Db	IECEX: Ex tb IIIC 85°C Db

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente	-20°C ... +60°C	
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LIGHTING DATA / DATOS LUMÍNICOS

Efficiency - Eficiencia (Lm/W)	±160m/W	
Colour temperature - Temperatura de color	(Optional range 4.000K—5.000K)	

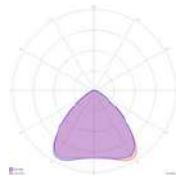
MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas	M16	Optional. See accesories
Plug - Tapón		Optional. See accesories
Mounting bracket - Escuadra de montaje	Stainless steel - Acero Inoxidable	Included

MECHANICAL DATA / DATOS CONSTRUCTIVOS

Diffuser - Difusor	8mm. tempered glass diffuser - Vidrio templado de 8mm	
Enclosure - Envoltente	Marine grade aluminum	

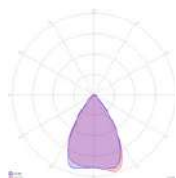
● EXTENSIVE 150°



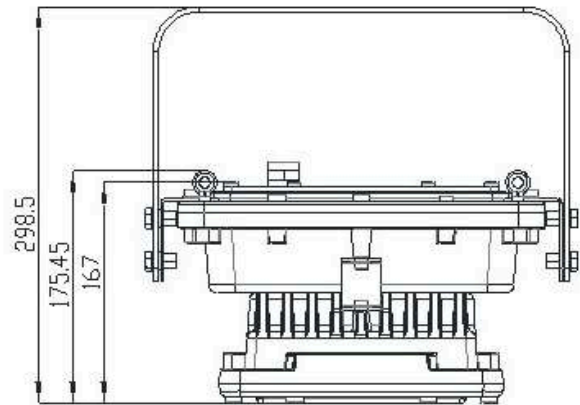
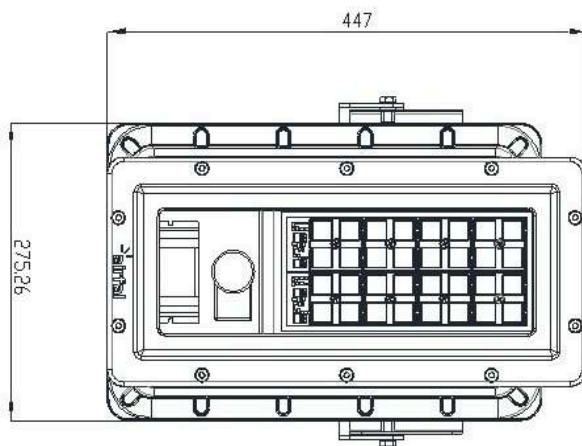
● ASYMMETRIC



● INTENSIVE 65°

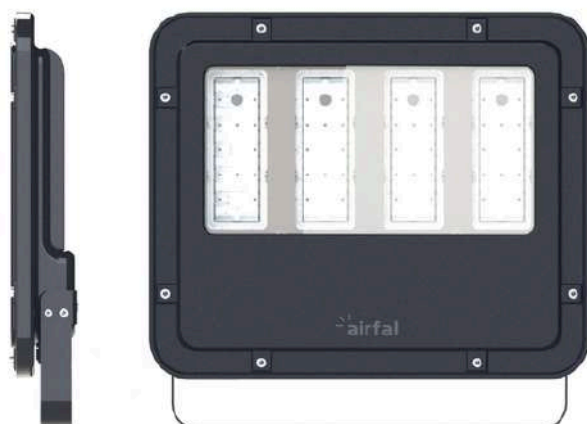


Ref.	(W)	(Lm)	(°K)	Optic	DALI supl.
PA514A	50	7.408	4.000	●	MUSDA1
PA514B	50	7.408	4.000	●	MUSDA1
PA514C	50	7.408	4.000	●	MUSDA1
PA524A	60	8.766	4.000	●	MUSDA1
PA524B	60	8.766	4.000	●	MUSDA1
PA524C	60	8.766	4.000	●	MUSDA1
PA534A	65	10.456	4.000	●	MUSDA1
PA534B	65	10.456	4.000	●	MUSDA1
PA534C	65	10.456	4.000	●	MUSDA1
PA515A	50	7.502	5.000	●	MUSDA1
PA515B	50	7.502	5.000	●	MUSDA1
PA515C	50	7.502	5.000	●	MUSDA1
PA525A	60	8.878	5.000	●	MUSDA1
PA525B	60	8.878	5.000	●	MUSDA1
PA525C	60	8.878	5.000	●	MUSDA1
PA535A	65	10.588	5.000	●	MUSDA1
PA535B	65	10.588	5.000	●	MUSDA1
PA535C	65	10.588	5.000	●	MUSDA1



OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

DESCRIPTION	Ref.	
Galvanised steel cable suspensión kit - Kit de suspensión cable de acero	MUSUSG	3m 4 pcs
Stainless steel cable suspensión kit - Kit de suspensión cable de acero inox	MUSUSI	3m 4 pcs
Armored cable gland - Prensaestopas cable armado	MULSPA	M16 - Cable 9-16mm
Ex db Plug - Tapón Ex db	MULST	



IP66

IK 10

LIFETIME
>
100.000

TECHNICAL DATA / DATOS TÉCNICOS

EXPLOSION PROTECTION / PROTECCIÓN CONTRA EXPLOSIONES

Zones	2,22	
Gas explosion protection	 ATEX: II 3G Ex nR IIC T5 Gc	IECEx: Ex nR IIC T5 Gc
Dust explosion protection	 ATEX: II 3D Ex tc IIIC T85°C Dc	IECEx: Ex tc IIIC T85°C Dc

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

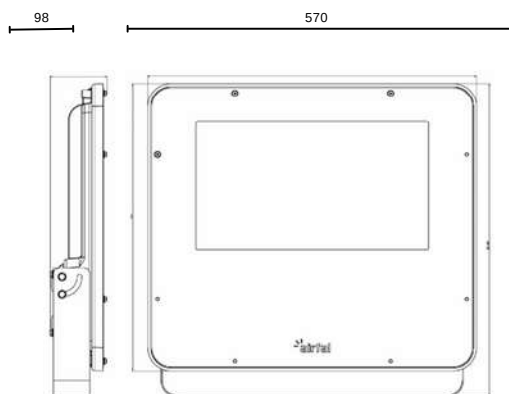
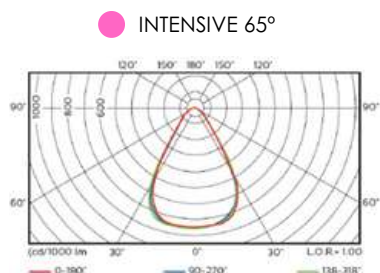
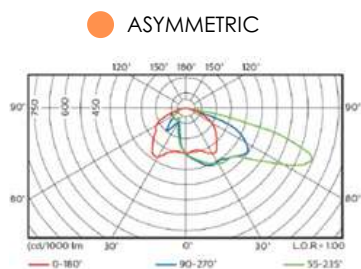
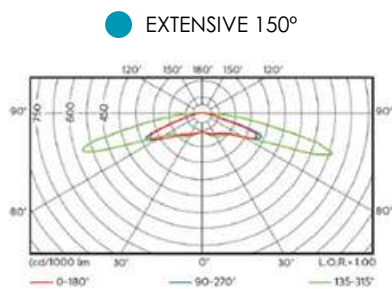
Ambient temperature - Temperatura ambiente	-20°C ... +45°C	
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LIGHTING DATA / DATOS LUMÍNICOS

Efficiency - Eficiencia (lm/W)	±160lm/W	
Colour temperature - Temperatura de color	(Optional range 4.000K—5.000K)	

MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas	Non armored M25 ATEX cable gland - Prensaestopas M25 ATEX para cable no armado	Included
Plug - Tapón	Ex db	Included
Mounting bracket - Escuadra de montaje		Included



Ref.	Equiv. (HM)	(W)	(Lm)	(°K)	Optic	DALI supl.
PA104A	70W	50	8.081	4.000	●	LMAXD1
PA104B	70W	50	8.081	4.000	●	LMAXD1
PA104C	70W	50	8.081	4.000	●	LMAXD1
PA204A	150W	98	16.163	4.000	●	LMAXD2
PA204B	150W	98	16.163	4.000	●	LMAXD2
PA204C	150W	98	16.163	4.000	●	LMAXD2
PA304A	250W	148	24.224	4.000	●	LMAXD3
PA304B	250W	148	24.224	4.000	●	LMAXD3
PA304C	250W	148	24.224	4.000	●	LMAXD3
PA404A	400W	190	32.325	4.000	●	LMAXD3
PA404B	400W	190	32.325	4.000	●	LMAXD3
PA404C	400W	190	32.325	4.000	●	LMAXD3
PA105A	70W	50	8.164	5.000	●	LMAXD1
PA105B	70W	50	8.164	5.000	●	LMAXD1
PA105C	70W	50	8.164	5.000	●	LMAXD1
PA205A	150W	98	16.368	5.000	●	LMAXD2
PA205B	150W	98	16.368	5.000	●	LMAXD2
PA205C	150W	98	16.368	5.000	●	LMAXD2
PA305A	250W	148	24.552	5.000	●	LMAXD3
PA305B	250W	148	24.552	5.000	●	LMAXD3
PA305C	250W	148	24.552	5.000	●	LMAXD3
PA405A	400W	190	32.726	5.000	●	LMAXD3
PA405B	400W	190	32.726	5.000	●	LMAXD3
PA405C	400W	190	32.726	5.000	●	LMAXD3

OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

DESCRIPTION	Ref.	
Stainless steel suspension cable - Suspensión cable acero inox	PA100	5m 4 pcs
Armored cable gland - Prensaestopas cable armado	EX505	Cable 13-21mm
Marine environment protection - Protección marina	PA101	Includes 316 Stainless Steel spare parts & accessories - Incluye piezas de repuesto acero inoxidable 316 y accesorios

HIGH TECH WATERPROOF LUMINAIRES LUMINARIAS ALTA ESPECIFICACIÓN TÉCNICA



IP69K



MUSTANG (PC)

(30-31)



FARM (PMMA)

(32-33)



RANGE (BOROSILICATE)

(34-35)

IP68-2



OVEN

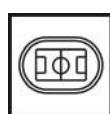
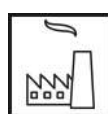
(36-37)



FROZEN

(38-39)

IP67



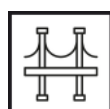
ORION (PC)

(40-41)



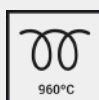
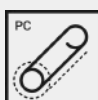
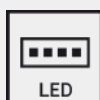
EMELUX

(42-43)



EXCALIBUR (PC)

(44-45)



TECHNICAL DATA / DATOS TÉCNICOS

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente	-25°C ... +45°C	
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LIGHTING DATA / DATOS LUMÍNICOS

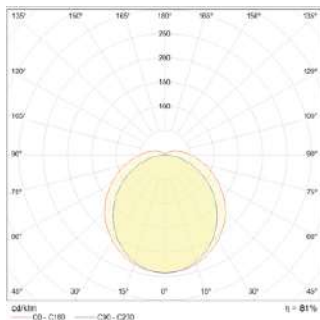
Colour temperature - Temperatura de color	(Optional range 3.000K—4.000K)	
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MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas	PG-11	Included
Clamps - Bidas	Ø 80mm	Optional - see Accessories

MECHANICAL DATA / DATOS CONSTRUCTIVOS

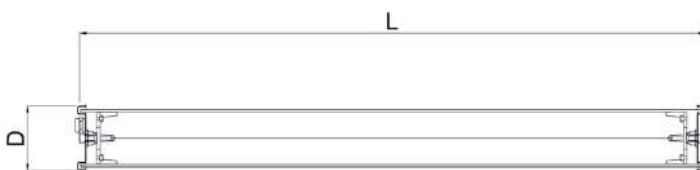
Tube - Tubo	Opal	
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Ref.	Equiv.	(W)	(Lm)	(°K)	L (mm)	D (mm)	DALI supl.	Emerg. supl.(1h)	Emerg. supl.(3h)	Cont.lin 3p	Cont.lin 5p
MU113	1X18W	13	1.490	3.000	685	100	DALSU1	0EM06	0EM08	Q0570	Q0571
MU123	2X18W	17	2.720	3.000	685	100	DALSU1	0EM07	0EM09	Q0570	Q0571
MU213	1X36W	24	2.980	3.000	1.300	100	DALSU1	0EM07	0EM09	Q0570	Q0571
MU223	2X36W	40	6.556	3.000	1.300	100	DALSU1	0EM07	0EM09	Q0570	Q0571
MU313	1X58W	29	3.720	3.000	1.600	100	DALSU1	0EM07	0EM09	Q0570	Q0571
MU323	2X58W	65	10.362	3.000	1.600	100	DALSU1	0EM07	0EM09	Q0570	Q0571
MU114	1X18W	13	1.550	4.000	685	100	DALSU1	0EM06	0EM08	Q0570	Q0571
MU124	2X18W	17	2.885	4.000	685	100	DALSU1	0EM07	0EM09	Q0570	Q0571
MU214	1X36W	24	3.200	4.000	1.300	100	DALSU1	0EM07	0EM09	Q0570	Q0571
MU224	2X36W	40	6.954	4.000	1.300	100	DALSU1	0EM07	0EM09	Q0570	Q0571
MU314	1X58W	29	4.000	4.000	1.600	100	DALSU1	0EM07	0EM09	Q0570	Q0571
MU324	2X58W	65	10.990	4.000	1.600	100	DALSU1	0EM07	0EM09	Q0570	Q0571

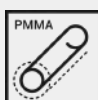
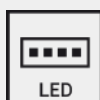
LED TUBE / TUBO LED

Ref.	(mm led tube)	L (mm)	D (mm)
MU11T	1x600	685	100
MU12T	2x600	685	100
MU21T	1x1200	1300	100
MU22T	2x1200	1300	100
MU31T	1x1500	1600	100
MU32T	2x1500	1600	100



OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

DESCRIPTION	Ref.	
Zinc plated steel clamps - Bridas acero cincado (1)	Q0338	2 pcs
Stainless steel clamps - Bridas acero inoxidable (1)	Q0347	2 pcs
Quick opening stainless steel clamps - Bridas acero inoxidable de apertura rápida (2)	Q0348	2 pcs
Anti vandalic PC clamp - Bridas PC anti vandállicas (3)	Q0110	2 pcs
Stainless steel 316 end caps - Tapas acero inox 316 (4)	Q0657	
Steel cable suspension - Suspensión cable de acero	Q0349	1900mm 2 pcs
Emergency - Emergencia 1h	See chart (Emerg. sup 1h)	↑
Emergency - Emergencia 3h	See chart (Emerg. sup 3h)	↑
Dali option - Opción DALI	See chart (DALI sup.)	↑
Pole fixing - Fijación a báculo	Q0978	ø 60 mm
3 poles continuous line wiring - Línea continua 3 polos	See chart (Cont. lin 3p)	↑
5 poles continuous line wiring - Línea continua 5 polos	See chart (Cont. lin 5p)	↑
3 poles fast connector - Conector rápido 3 polos	Q0982	
5 poles fast connector - Conector rápido 5 polos	Q0889	

**IP68-2****IP69K****IK 10**
LIFETIME
>
100.000

TECHNICAL DATA / DATOS TÉCNICOS

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente

-20°C ... +40°C

Special +80°C

LIGHTING DATA / DATOS LUMÍNICOS

Colour temperature - Temperatura de color

(Optional range 3.000K—4.000K)

MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas

PG-11

Included

Clamps - Bidas

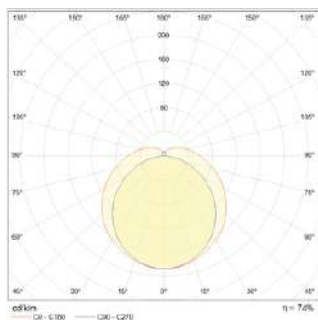
Ø 86mm

Optional - see Accessories

MECHANICAL DATA / DATOS CONSTRUCTIVOS

Tube - Tubo

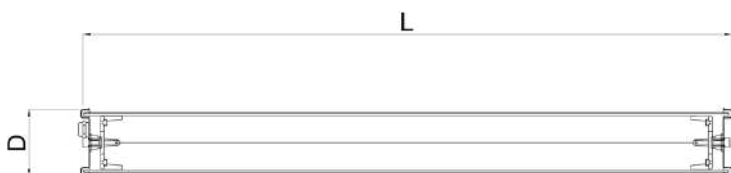
Opal



Ref.	Equiv.	(W)	(Lm)	(°K)	L (mm)	D (mm)	DALI supl.	Emerg. supl.(1h)	Emerg. supl.(3h)	Cont.lin 3p	Cont.lin 5p
FA113	1X18W	13	1.490	3.000	685	100	DALSU1	0EM06	0EM08	Q0570	Q0571
FA123	2X18W	17	2.720	3.000	685	100	DALSU1	0EM07	0EM09	Q0570	Q0571
FA213	1X36W	24	2.980	3.000	1.300	100	DALSU1	0EM07	0EM09	Q0570	Q0571
FA223	2X36W	40	6.556	3.000	1.300	100	DALSU1	0EM07	0EM09	Q0570	Q0571
FA313	1X58W	29	3.720	3.000	1.600	100	DALSU1	0EM07	0EM09	Q0570	Q0571
FA323	2X58W	65	10.362	3.000	1.600	100	DALSU1	0EM07	0EM09	Q0570	Q0571
FA114	1X18W	13	1.550	4.000	685	100	DALSU1	0EM06	0EM08	Q0570	Q0571
FA124	2X18W	17	2.885	4.000	685	100	DALSU1	0EM07	0EM09	Q0570	Q0571
FA214	1X36W	24	3.200	4.000	1.300	100	DALSU1	0EM07	0EM09	Q0570	Q0571
FA224	2X36W	40	6.954	4.000	1.300	100	DALSU1	0EM07	0EM09	Q0570	Q0571
FA314	1X58W	29	4.000	4.000	1.600	100	DALSU1	0EM07	0EM09	Q0570	Q0571
FA324	2X58W	65	10.990	4.000	1.600	100	DALSU1	0EM07	0EM09	Q0570	Q0571

HIGH TEMPERATURE / ALTA TEMPERATURA

Ref.	(W)	(Lm)	(°K)	L (mm)	D (mm)
Q0955K	17	2224	5.000	763	100
Q0959K	34	4448	5.000	1375	100
Q0963K	43	5560	5.000	1660	100



LED TUBE / TUBO LED

Ref.	(mm led tube)	L (mm)	D (mm)
FA11T	1x600	685	100
FA12T	2x600	685	100
FA21T	1x1200	1.300	100
FA22T	2x1200	1.300	100
FA31T	1x1500	1.600	100
FA32T	2x1500	1.600	100

OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES



DESCRIPTION	Ref.	
Stainless steel high temperatures clamps - Bridas acero inoxidable y altas temperaturas (1)	Q0347	2 pcs
High temperature clamps - Bidas altas temperaturas (1)	Q0159	2 pcs
Quick opening stainless steel clamps - Bidas acero inoxidable de apertura rápida (2)	Q0402	2 pcs
Anti vandalic PC clamp - Bidas PC anti vandállicas (3)	Q0154	2 pcs
Stainless steel 316 end caps - Tapas acero inox 316 (4)	Q0657	2 pcs
Steel cable suspension - Suspensión cable de acero	Q0349	1900mm 2 pcs
Emergency - Emergencia 1h	See chart (Emerg. sup 1h)	↑
Emergency - Emergencia 3h	See chart (Emerg. sup 3h)	↑
Dali option - Opción DALI	See chart (DALI sup.)	↑
Pole fixing - Fijación a báculo	Q0978	ø 60 mm
3 poles continuous line wiring - Línea continua 3 polos	See chart (Cont. lin 3p)	↑
5 poles continuous line wiring - Línea continua 5 polos	See chart (Cont. lin 5p)	↑
3 poles fast connector - Conector rápido 3 polos	Q0982	
5 poles fast connector - Conector rápido 5 polos	Q0889	



IP68-2

IP69K

IK 07

LIFETIME
>
100.000

TECHNICAL DATA / DATOS TÉCNICOS

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente

-20°C ... +45°C

LIGHTING DATA / DATOS LUMÍNICOS

Colour temperature - Temperatura de color

(Optional range 3.000K—6.500K)

MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas

PG-11

Included

Clamps - Bridas

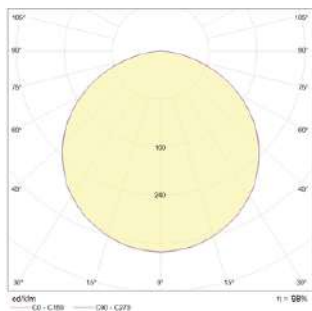
M8/M10 D.87-92mm

Optional - see
Accessories

MECHANICAL DATA / DATOS CONSTRUCTIVOS

Tube - Tubo

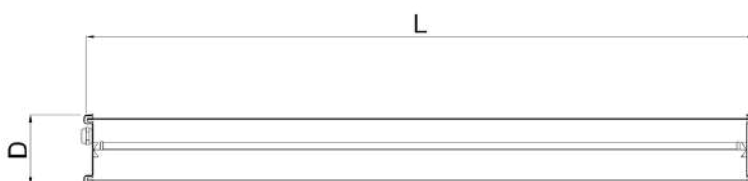
Transparent tempered borosilicate glass



Ref.	Equiv.	(W)	(Lm)	(°K)	L (mm)	D (mm)	DALI supl.	Emerg. supl.(1h)	Emerg. supl.(3h)	Cont.lin 3p	Cont.lin 5p
RA113	1X18W	13	1.490	3.000	667	105	DALSU1	0EM06	0EM08	Q0572	Q0573
RA123	2X18W	17	2.720	3.000	667	105	DALSU1	0EM07	0EM09	Q0572	Q0573
RA213	1X36W	24	2.980	3.000	1.266	105	DALSU1	0EM07	0EM09	Q0572	Q0573
RA223	2X36W	40	6.556	3.000	1.266	105	DALSU1	0EM07	0EM09	Q0572	Q0573
RA313	1X58W	29	3.720	3.000	1.567	105	DALSU1	0EM07	0EM09	Q0572	Q0573
RA323	2X58W	65	10.362	3.000	1.567	105	DALSU1	0EM07	0EM09	Q0572	Q0573
RA114	1X18W	13	1.550	4.000	667	105	DALSU1	0EM06	0EM08	Q0572	Q0573
RA124	2X18W	17	2.885	4.000	667	105	DALSU1	0EM07	0EM09	Q0572	Q0573
RA214	1X36W	24	3.200	4.000	1.266	105	DALSU1	0EM07	0EM09	Q0572	Q0573
RA224	2X36W	40	6.954	4.000	1.266	105	DALSU1	0EM07	0EM09	Q0572	Q0573
RA314	1X58W	29	4.000	4.000	1.567	105	DALSU1	0EM07	0EM09	Q0572	Q0573
RA324	2X58W	65	10.990	4.000	1.567	105	DALSU1	0EM07	0EM09	Q0572	Q0573

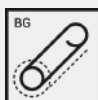
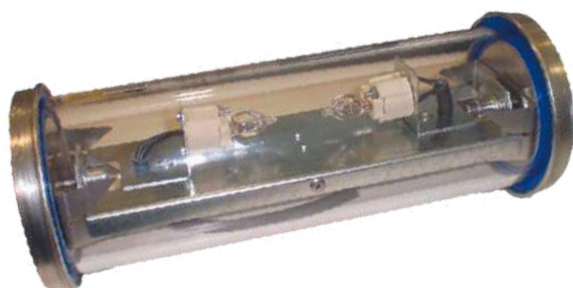
LED TUBE / TUBO LED

Ref.	(mm led tube)	L (mm)	D (mm)
RA11T	1x600	667	105
RA21T	1x1200	1.266	105
RA31T	1x1500	1.567	105



OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

DESCRIPTION	Ref.	
Stainless steel clamps - Bridas acero inoxidable (1)	Q0116	M8/M10 D.87-92mm 2 pcs
Steel cable suspension - Suspensión cable de acero	Q0349	1900mm 2 pcs
Emergency - Emergencia 1h	See chart (Emerg. sup 1h)	
Emergency - Emergencia 3h	See chart (Emerg. sup 3h)	↑
Dali option - Opción DALI	See chart (DALI sup.)	↑
Pole fixing - Fijación a báculo	Q0978	↑ ø 60 mm
3 poles continuous line wiring - Línea continua 3 polos	See chart (Cont. lin 3p)	↑
5 poles continuous line wiring - Línea continua 5 polos	See chart (Cont. lin 5p)	↑



IP68-2

IK 07

TECHNICAL DATA / DATOS TÉCNICOS

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente

0°C ... +200°C

LIGHTING DATA / DATOS LUMÍNICOS

Source - Fuente

Halogen G9

490 lm

Colour temperature - Temperatura de color

2.700K

MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas

PG-11

Included

Clamps - Bidas

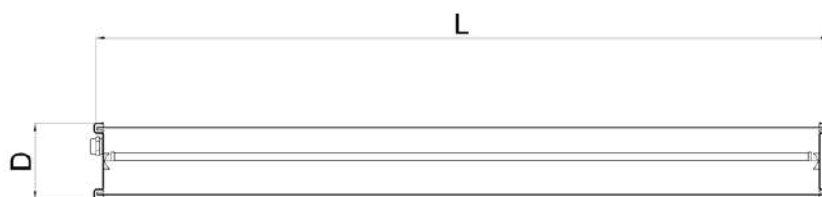
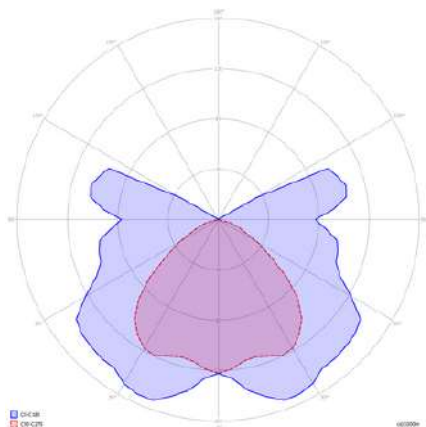
M8/M10 D.87-92mm

Optional - see Accessories

MECHANICAL DATA / DATOS CONSTRUCTIVOS

Tube - Tubo

Tempered borosilicate glass

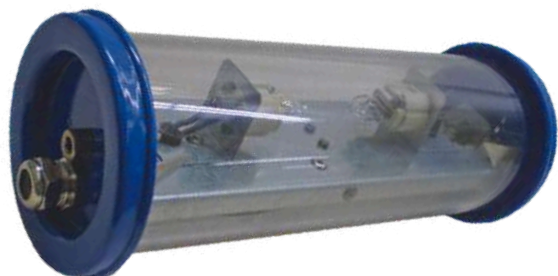


Ref.	(W)	(Lm)	(°K)	L (mm)	D (mm)
Q0949	1X40W	490	2.700	275	105
Q0950	2X40W	980	2.700	275	105



OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

DESCRIPTION	Ref.	
Stainless steel clamps - Bidas acero inoxidable (1)	Q0116	M8/M10 D.87-92mm 2 pcs
Steel cable suspensión - Suspensión cable de acero	Q0349	1900mm 2 pcs



IP68-2

IK 07

TECHNICAL DATA / DATOS TÉCNICOS

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente	-50°C ... 0°C
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LIGHTING DATA / DATOS LUMÍNICOS

Source - Fuente	Halogen G9	490 lm
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Colour temperature - Temperatura de color	2.700K
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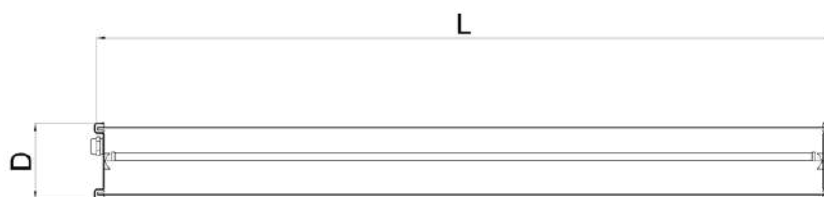
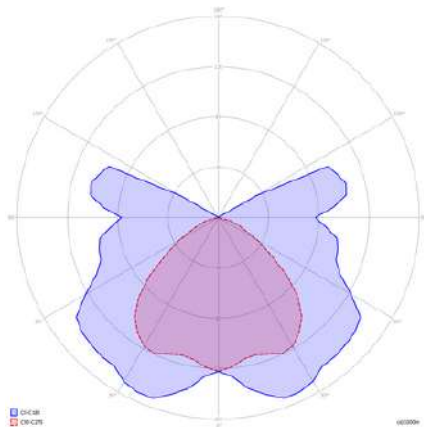
MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas	PG-11	Included
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Clamps - Bridas	M8/M10 D.87-92mm	Optional - see Accessories
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MECHANICAL DATA / DATOS CONSTRUCTIVOS

Tube - Tubo	Borosilicate glass
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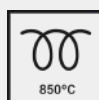
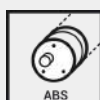
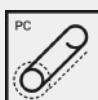
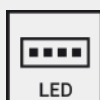


Ref.	(W)	(Lm)	(°K)	L (mm)	D (mm)
Q0953	1X40W	490	2.700	275	105
Q0954	2X40W	980	2.700	275	105



OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

DESCRIPTION	Ref.	
Stainless steel clamps - Bridas acero inoxidable (1)	Q0116	M8/M10 D.87-92mm 2 pcs
Steel cable suspension - Suspensión cable de acero	Q0349	1900mm 2 pcs



TECHNICAL DATA / DATOS TÉCNICOS

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente	-20°C ... +40°C
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LIGHTING DATA / DATOS LUMÍNICOS

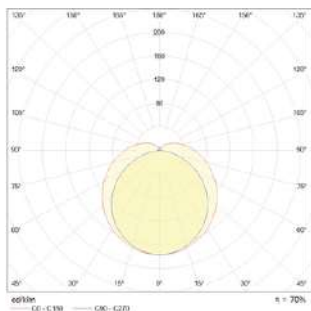
Colour temperature - Temperatura de color	(Optional range 3.000K—4.000K)
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MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas	PG-11	Included
Clamps - Bidas		Optional - see Accessories

MECHANICAL DATA / DATOS CONSTRUCTIVOS

Tube - Tubo	Opal
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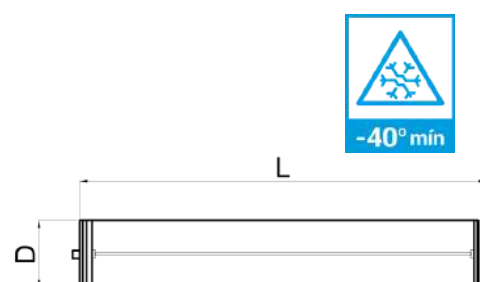
Ref.	Equiv.	(W)	(Lm)	(°K)	L (mm)	D (mm)	DALI supl.	Emerg. supl.(1h)	Emerg. supl.(3h)	Cont.lin 3p	Cont.lin 5p
OR113	1X18W	13	1.490	3.000	770	81	DALSU1	0EM06	0EM08	Q0578	Q0579
OR123	2X18W	17	2.720	3.000	770	81	DALSU1	0EM07	0EM09	Q0578	Q0579
OR213	1X36W	24	2.980	3.000	1.380	81	DALSU1	0EM07	0EM09	Q0578	Q0579
OR223	2X36W	40	6.556	3.000	1.380	81	DALSU1	0EM07	0EM09	Q0578	Q0579
OR313	1X58W	29	3.720	3.000	1.633	81	DALSU1	0EM07	0EM09	Q0578	Q0579
OR323	2X58W	65	10.362	3.000	1.633	81	DALSU1	0EM07	0EM09	Q0578	Q0579
OR114	1X18W	13	1.550	4.000	770	81	DALSU1	0EM06	0EM08	Q0578	Q0579
OR124	2X18W	17	2.885	4.000	770	81	DALSU1	0EM07	0EM09	Q0578	Q0579
OR214	1X36W	24	3.200	4.000	1.380	81	DALSU1	0EM07	0EM09	Q0578	Q0579
OR224	2X36W	40	6.954	4.000	1.380	81	DALSU1	0EM07	0EM09	Q0578	Q0579
OR314	1X58W	29	4.000	4.000	1.633	81	DALSU1	0EM07	0EM09	Q0578	Q0579
OR324	2X58W	65	10.990	4.000	1.633	81	DALSU1	0EM07	0EM09	Q0578	Q0579

LED TUBE / TUBO LED

Ref.	(mm led tube)	L (mm)	D (mm)
OR11T	1x600	770	100
OR12T	2x600	770	100
OR21T	1x1200	1.380	100
OR22T	2x1200	1.380	100
OR31T	1x1500	1.633	100
OR32T	2x1500	1.633	100

LOW TEMPERATURE / BAJA TEMPERATURA

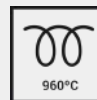
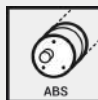
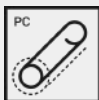
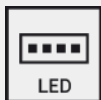
Ref.	(W)	(Lm)	(°K)	L (mm)	D (mm)
OC124	32	4.600	4.000	770	81
OC224	64	8.600	4.000	1380	81
OC324	80	11.400	4.000	1633	81



OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES



DESCRIPTION	Ref.	
Zinc plated steel clamps - Bridas acero cincado (1)	Q0338	2 pcs
Stainless steel clamps - Bridas acero inoxidable (1)	Q0347	2 pcs
Quick opening stainless steel clamps - Bridas acero inoxidable de apertura rápida (2)	Q0348	2 pcs
Anti vandalic PC clamp - Bridas PC anti vandálicas (3)	Q0155	2 pcs
ABS clamps - Bridas ABS (4)	Q0334	2 pcs
Metallic end caps and gland - Tapas y racor metálicos (5)	Q0339	2 pcs
Steel cable suspension - Suspensión cable de acero	Q0349	1900mm 2 pcs
Anti cavitation kit - Kit anti cavitación	Q0147	
Anti condensation valve - Válvula anti condensación (6)	Q0161	
Emergency - Emergencia 1h	See chart (Emerg. sup 1h)	↑
Emergency - Emergencia 3h	See chart (Emerg. sup 3h)	↑
Dali option - Opción DALI	See chart (DALI sup.)	↑
Pole fixing - Fijación a báculo	Q0978	ø 60 mm
3 poles continuous line wiring - Línea continua 3 polos	See chart (Cont. lin 3p)	↑
5 poles continuous line wiring - Línea continua 5 polos	See chart (Cont. lin 5p)	↑
3 poles fast connector - Conector rápido 3 polos	Q0983	
5 poles fast connector - Conector rápido 5 polos	Q0888	



IP67

IK 09

TECHNICAL DATA / DATOS TÉCNICOS

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente	0°C ... +40°C
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LIGHTING DATA / DATOS LUMÍNICOS

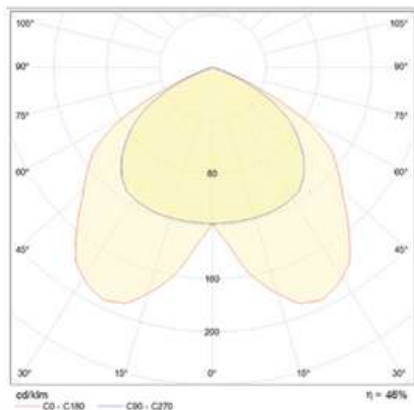
Colour temperature - Temperatura de color	5.500K
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MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas	PG-11	Included
Clamps - Bidas		Optional - see Accessories p.

MECHANICAL DATA / DATOS CONSTRUCTIVOS

Tube - Tubo	B-Color
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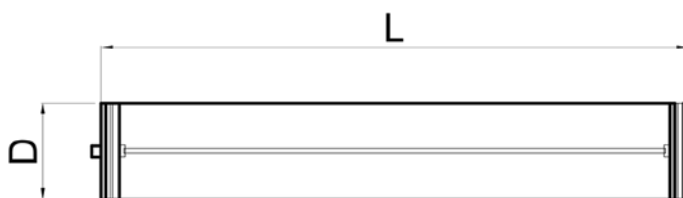


MAINTAINED
PERMANENTE

NON-MAINTAINED
NO PERMANENTE

PERMANENT MODE SWITCHED
MODO PERMANENTE ON/OFF

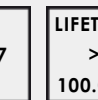
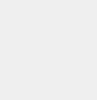
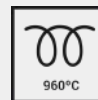
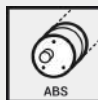
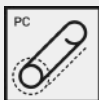
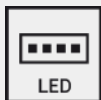
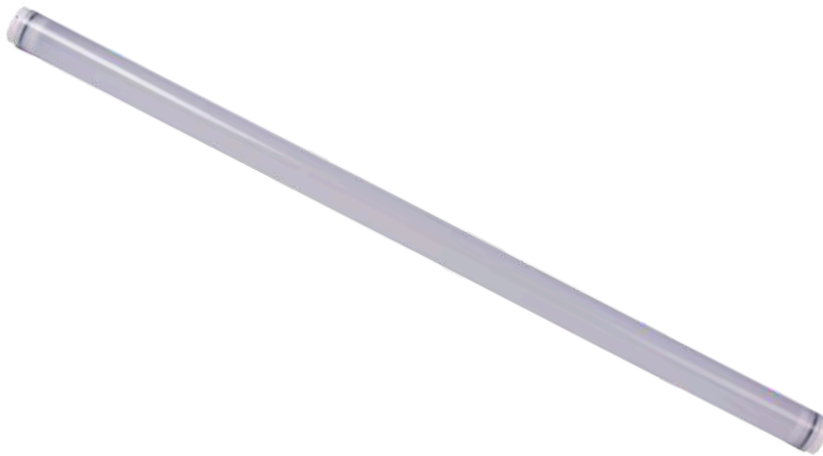
Ref.	(Lm)	Batt.	Maintained/ N	L (mm)	D (mm)
Q0303	100	1,5H	●	415	81
Q0311	100	3H	●	415	81
Q0304	100	1,5H	●	415	81
Q0312	100	3H	●	415	81
Q0314	100	1,5H	●	415	81
Q0315	100	3H	●	415	81
Q0305	200	1H	●	415	81
Q0306	200	1H	●	415	81
Q0316	200	1H	●	415	81
Q0307	300	1H	●	415	81
Q0308	300	1H	●	415	81
Q0317	300	1H	●	415	81



OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

DESCRIPTION	Ref.	
Zinc plated steel clamps - Bridas acero cincado (1)	Q0338	2 pcs
Stainless steel clamps - Bridas acero inoxidable (1)	Q0347	2 pcs
Quick opening stainless steel clamps - Bridas acero inoxidable de apertura rápida (2)	Q0348	2 pcs
Anti vandalic PC clamp - Bridas PC anti vandállicas (3)	Q0155	2 pcs
ABS clamps - Bridas ABS (4)	Q0334	2 pcs
Steel cable suspension - Suspensión cable de acero	Q0349	1900mm 2 pcs
Pole fixing - Fijación a báculo	Q0978	ø 60 mm
Exit sign - Señal de salida	Q0310	20m. visibility - visibilidad 20m

EXCALIBUR



TECHNICAL DATA / DATOS TÉCNICOS

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente	-20°C ... +40°C
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LIGHTING DATA / DATOS LUMÍNICOS

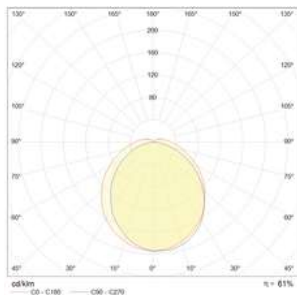
Colour temperature - Temperatura de color	(Optional range 3.000K—4.000K)
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MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas	PG-11	Included
Clamps - Bidas		Optional - see Accessories

MECHANICAL DATA / DATOS CONSTRUCTIVOS

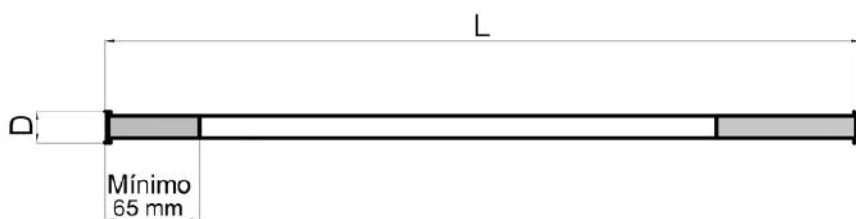
Tube - Tubo	Opal
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Ref.	Equiv.	(W)	(Lm)	(°K)	L (mm)	D (mm)	DALI supl.	Emerg. supl.(1h)	Emerg. supl.(3h)	Cont.lin 3p	Cont.lin 5p
ER113	1X18W	13	1.490	3.000	980	41	DALSU1	0EM06	0EM08	Q0882	Q0579
ER123	2X18W	17	2.720	3.000	980	41	DALSU1	0EM07	0EM09	Q0882	Q0579
ER213	1X36W	24	2.980	3.000	1.620	41	DALSU1	0EM07	0EM09	Q0882	Q0579
ER223	2X36W	40	6.556	3.000	1.620	41	DALSU1	0EM07	0EM09	Q0882	Q0579
ER313	1X58W	29	3.720	3.000	1.910	41	DALSU1	0EM07	0EM09	Q0882	Q0579
ER323	2X58W	65	10.362	3.000	1.910	41	DALSU1	0EM07	0EM09	Q0882	Q0579
ER114	1X18W	13	1.550	4.000	980	41	DALSU1	0EM06	0EM08	Q0882	Q0579
ER124	2X18W	17	2.885	4.000	980	41	DALSU1	0EM07	0EM09	Q0882	Q0579
ER214	1X36W	24	3.200	4.000	1.620	41	DALSU1	0EM07	0EM09	Q0882	Q0579
ER224	2X36W	40	6.954	4.000	1.620	41	DALSU1	0EM07	0EM09	Q0882	Q0579
ER314	1X58W	29	4.000	4.000	1.910	41	DALSU1	0EM07	0EM09	Q0882	Q0579
ER324	2X58W	65	10.990	4.000	1.910	41	DALSU1	0EM07	0EM09	Q0882	Q0579

LED TUBE / TUBO LED

Ref.	(mm led tube)	L (mm)	D (mm)
ER11T	1x600	780	41
ER21T	1x1200	1.380	41
ER31T	1x1500	1.680	41



OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

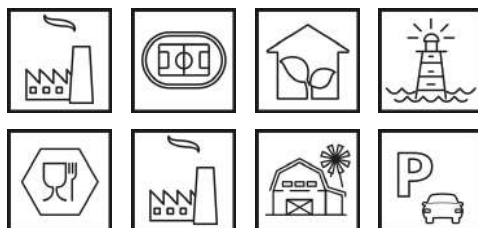
DESCRIPTION	Ref.	
Transparent ABS clamps - Bridas ABS transparentes (1)	Q0106	2 pcs
Stainless steel clamps - Bridas acero inoxidable (2)	R0057	2 pcs
Metallic end caps and gland - Tapas y racor metálicos	R0063	2 pcs
Steel cable suspensión - Suspensión cable de acero	Q0349	1900mm 2 pcs
Emergency - Emergencia 1h	See chart (Emerg. sup 1h) ↑	
Emergency - Emergencia 3h	See chart (Emerg. sup 3h) ↑	
Dali option - Opción DALI	See chart (DALI sup.) ↑	
Pole fixing - Fijación a báculo	Q0978	ø 60 mm
3 poles continuous line wiring - Línea continua 3 polos	See chart (Cont. lin 3p) ↑	
5 poles continuous line wiring - Línea continua 5 polos	See chart (Cont. lin 5p) ↑	

GENERAL PURPOSE LIGHTING ILUMINACIÓN GENERAL



WATERPROOF LUMINAIRES/ **ESTANCAS**

IP-65



PISTON / SUPRA

(48-49)

BATTEN / **REGLETAS**

DELTA

(50-51)

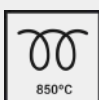
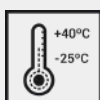
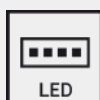
TRACKS / **CARRILES**



LOGIX

(52-53)

PISTON / SUPRA



TECHNICAL DATA / DATOS TÉCNICOS

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente	-25°C ... +40°C
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LIGHTING DATA / DATOS LUMÍNICOS

Colour temperature - Temperatura de color	(Optional range 3.000K—6.500K)
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MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Cable gland - Prensaestopas	PG-13,5	Included
Clips - Cierres	Polyamide with glass fiber	Included

MECHANICAL DATA / DATOS CONSTRUCTIVOS

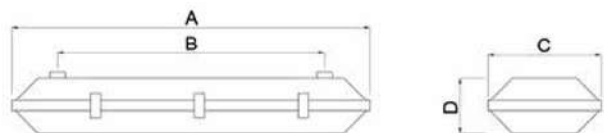
Diffuser - Difusor	Opal
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Ref.	Equiv.	(W)	(Lm)	(°K)	A (mm)	B (mm)	C (mm)	D (mm)	N° Clips	DALI supl.	Emerg. supl.(1h)	Emerg. supl.(3h)	Cont.lin 3p	Cont.lin 5p
PC114	1X18w	13	1.550	4.000	664	260	100	110	6	DALSU1	0EM06	0EM08	Q0883	Q0887
PC124	2X18W	17	2.885	4.000	664	260	100	110	6	DALSU1	0EM07	0EM09	Q0883	Q0887
PI124	+2X18W	32	5.770	4.000	664	260	160	110	6	DALSU2	0EM07	0EM09	Q0883	Q0887
PC214	1X36W	24	3.200	4.000	1.274	870	100	110	8	DALSU1	0EM07	0EM09	Q0883	Q0887
PC224	2X36W	40	6.954	4.000	1.274	870	100	110	8	DALSU1	0EM07	0EM09	Q0883	Q0887
PI224	+2X36W	64	11.541	4.000	1.274	870	160	110	8	DALSU2	0EM07	0EM09	Q0883	Q0887
PC314	1X58W	29	4.000	4.000	1.575	650	100	105	12	DALSU1	0EM07	0EM09	Q0883	Q0887
PC324	2X58W	65	10.990	4.000	1.575	650	100	105	12	DALSU1	0EM07	0EM09	Q0883	Q0887
PI324	+2X58W	80	14.426	4.000	1.575	650	160	110	12	DALSU2	0EM07	0EM09	Q0883	Q0887
PC115	1X18w	13	1.456	5.000	664	260	100	110	6	DALSU1	0EM06	0EM08	Q0883	Q0887
PC125	2X18W	17	2.867	5.000	664	260	100	110	6	DALSU1	0EM07	0EM09	Q0883	Q0887
PI125	+2X18W	32	5.733	5.000	664	260	160	110	6	DALSU2	0EM07	0EM09	Q0883	Q0887
PC215	1X36W	24	3.192	5.000	1.274	870	100	110	8	DALSU1	0EM07	0EM09	Q0883	Q0887
PC225	2X36W	40	6.909	5.000	1.274	870	100	110	8	DALSU1	0EM07	0EM09	Q0883	Q0887
PI225	+2X36W	64	11.466	5.000	1.274	870	160	110	8	DALSU2	0EM07	0EM09	Q0883	Q0887
PC315	1X58W	29	3.990	5.000	1.575	650	100	105	12	DALSU1	0EM07	0EM09	Q0883	Q0887
PC325	2X58W	65	10.920	5.000	1.575	650	100	105	12	DALSU1	0EM07	0EM09	Q0883	Q0887
PI325	+2X58W	80	14.334	5.000	1.575	650	160	110	12	DALSU2	0EM07	0EM09	Q0883	Q0887
PC116	1X18w	13	1.512	6.500	664	260	100	110	6	DALSU1	0EM06	0EM08	Q0883	Q0887
PC126	2X18W	17	2.828	6.500	664	260	100	110	6	DALSU1	0EM07	0EM09	Q0883	Q0887
PI126	+2X18W	32	5.656	6.500	664	260	160	110	6	DALSU2	0EM07	0EM09	Q0883	Q0887
PC216	1X36W	24	3.149	6.500	1.274	870	100	110	8	DALSU1	0EM07	0EM09	Q0883	Q0887
PC226	2X36W	40	6.816	6.500	1.274	870	100	110	8	DALSU1	0EM07	0EM09	Q0883	Q0887
PI226	+2X36W	64	11.312	6.500	1.274	870	160	110	8	DALSU2	0EM07	0EM09	Q0883	Q0887
PC316	1X58W	29	3.937	6.500	1.575	650	100	105	12	DALSU1	0EM07	0EM09	Q0883	Q0887
PC326	2X58W	65	10.773	6.500	1.575	650	100	105	12	DALSU1	0EM07	0EM09	Q0883	Q0887
PI326	+2X58W	80	14.140	6.500	1.575	650	160	105	12	DALSU2	0EM07	0EM09	Q0883	Q0887

Ref. Acrylic diffuser	Ref. PC diffuser	(mm led tube)	L (mm)	D (mm)	N° Clips
S0107L	S1107L	1x600	685	100	6
S0119L	S1119L	2x600	685	100	6
S0108L	S1108L	1x1200	1300	100	8
S0120L	S1120L	2x1200	1300	100	8
S0109L	S1109L	1x1500	1600	100	12
S0121L	S1121L	2x1500	1600	100	12

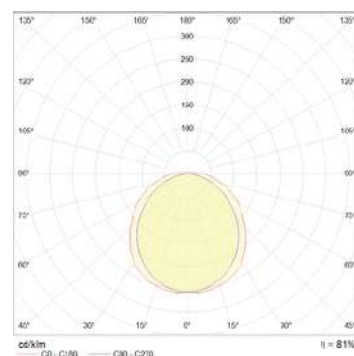
LED TUBE / TUBO LED (SUPRA)

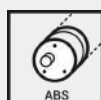
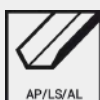
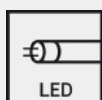
Transparent duffuser



DESCRIPTION	Ref.
Stainless steel clips - Clips inox	S2150
Emergency - Emergencia 1h	See chart (Emerg. sup 1h) ↑
Emergency - Emergencia 3h	See chart (Emerg. sup 3h) ↑
Dali option - Opción DALI	See chart (DALI sup.) ↑
3 poles continuous line wiring - Línea continua 3 polos	See chart (Cont. lin 3p) ↑
5 poles continuous line wiring - Línea continua 5 polos	See chart (Cont. lin 5p) ↑
3 poles fast connector - Conector rápido 3 polos	Q0943
5 poles fast connector - Conector rápido 5 polos	Q0944
Track fastening - Sujeción a carril	S2151

OPTIONAL ACCESSORIES ACCESORIOS OPCIONALES





IP20

TECHNICAL DATA / DATOS TÉCNICOS

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente

-25°C ... +40°C

MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

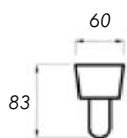
Metallic strip - Pletina metálica

Included

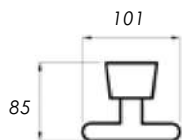
Plastic screws and nuts - Tornillos y tuercas plásticas

Included

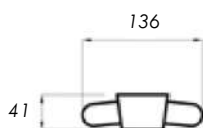
BATTENS FOR LED TUBE / REGLETAS PARA TUBO LED



Ref.	(mm led tube)	L (mm)
D0049L	1x600	624
D0050L	1x1200	1.233
D0051L	1x1500	1.534

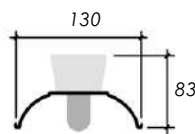


Ref.	(mm led tube)	L (mm)
D0152L	2x600	624
D0153L	2x1200	1.233
D0154L	2x1500	1.534

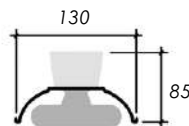


Ref.	(mm led tube)	L (mm)
D0052L	2x600	624
D0053L	2x1200	1.233
D0054L	2x1500	1.534

ALUMINUM REFLECTORS / REFLECTORES DE ALUMINIO



Ref.	(mm led tube)
DA1A0	1x600
DA2A0	1x1200
DA3A0	1x1500

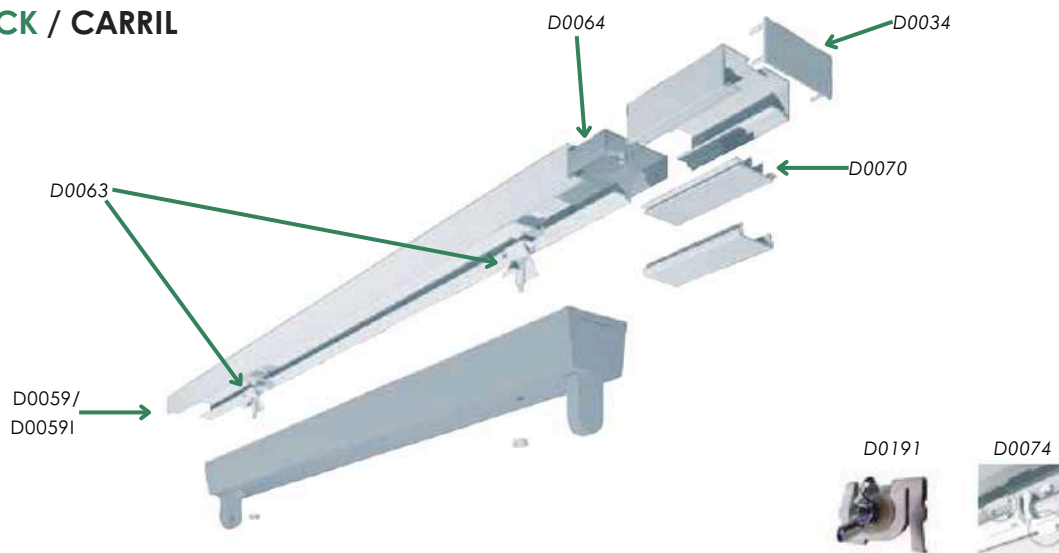


Ref.	(mm led tube)
DA1A0	2x600
DA2A0	2x1200
DA3A0	2x1500



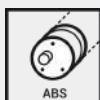
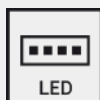
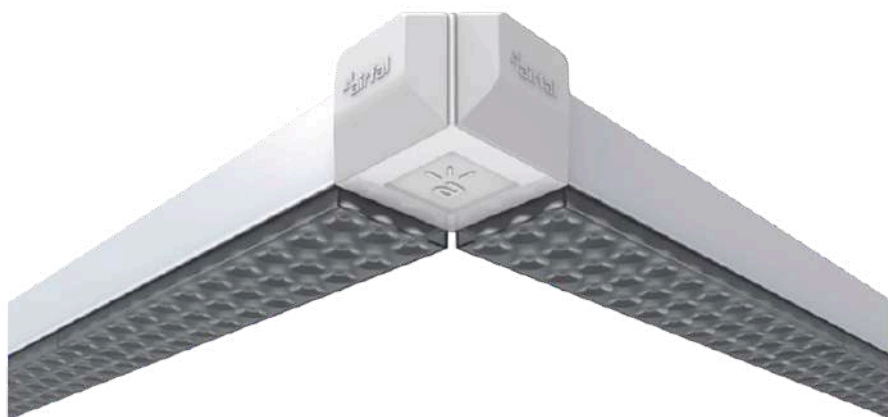
Ref.	(mm led tube)
DB1A0	2x600
DB2A0	2x1200
DB3A0	2x1500

TRACK / CARRIL



TRACK COMPONENTS & ACCESORIES / COMPONENTES & ACCESORIOS DE CARRIL

DESCRIPTION	Ref.	
Track - Carril 25x67,2 3070 mm	D0059	25x67,2 3070 MM. (EX WORKS)
Track - Carril 25x67,2 1535 mm	D0059I	25x67,2 1535 MM.
Fastener to track - Sujeción a carril	D0063	2pcs x batten - 2pcs x regleta
Track joint - Empalme de carril	D0064	
End cap for track - Tapa final carril	D0034	2pcs x complete line - 2pcs x línea completa
Track fastener to removable ceiling - Fijación carril a techo desmontable	D0191	
Track cover cap - Tara ciega para carril	D0070	
Reflector alignment piece - Pieza de alineación de reflectores	D0074	2pcs x reflector union



IP44

LIFETIME
>
100.000

TECHNICAL DATA / DATOS TÉCNICOS

AMBIENT CONDITIONS / CONDICIONES AMBIENTALES

Ambient temperature - Temperatura ambiente

-25°C ... +40°C

LIGHTING DATA / DATOS LUMÍNICOS

Colour temperature - Temperatura de color

4.000°K

MATERIAL REQUIRED FOR INSTALLATION / MATERIAL REQUERIDO PARA LA INSTALACIÓN

Track starting pack - Pack inicio de carril

Optional, See accesories

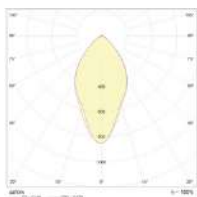
MECHANICAL DATA / DATOS CONSTRUCTIVOS

Optics - Ópticas

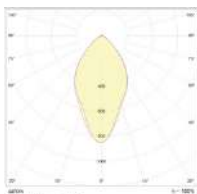
Improved visibility and contrast
of the illuminated areas



● INTENSIVE 30°



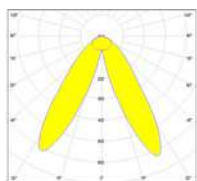
● INTENSIVE 60°



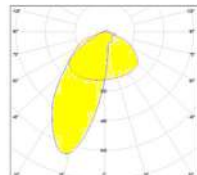
● EXTENSIVE 90°



● DOUBLE ASYMMETRIC



● ASYMMETRIC 20°



Ref.	(W)	(Lm)	(°K)	N° mods	Optic	L(mm)	D (mm)	DALI supl.	Emerg. supl.3h
CA214A	25	4.590	4.000	2	●	572	67	LOGDA1	
CA214B	25	4.590	4.000	2	●	572	67	LOGDA1	
CA214C	25	4.590	4.000	2	●	572	67	LOGDA1	
CA214D	25	4.590	4.000	2	●	572	67	LOGDA1	
CA214E	25	4.590	4.000	2	●	572	67	LOGDA1	
CA314A	37	6.885	4.000	3	●	858	67	LOGDA1	
CA314B	37	6.885	4.000	3	●	858	67	LOGDA1	
CA314C	37	6.885	4.000	3	●	858	67	LOGDA1	
CA314D	37	6.885	4.000	3	●	858	67	LOGDA1	
CA314E	37	6.885	4.000	3	●	858	67	LOGDA1	
CA414A	49	9.180	4.000	4	●	1144	67	LOGDA1	0EMLO1
CA414B	49	9.180	4.000	4	●	1144	67	LOGDA1	0EMLO1
CA414C	49	9.180	4.000	4	●	1144	67	LOGDA1	0EMLO1
CA414D	49	9.180	4.000	4	●	1144	67	LOGDA1	0EMLO1
CA414E	49	9.180	4.000	4	●	1144	67	LOGDA1	0EMLO1
CA514A	62	11.476	4.000	5	●	1430	67	LOGDA1	0EMLO1
CA514B	62	11.476	4.000	5	●	1430	67	LOGDA1	0EMLO1
CA514C	62	11.476	4.000	5	●	1430	67	LOGDA1	0EMLO1
CA514D	62	11.476	4.000	5	●	1430	67	LOGDA1	0EMLO1
CA514E	62	11.476	4.000	5	●	1430	67	LOGDA1	0EMLO1
CA614A	99	18.361	4.000	8	●	2288	67	LOGDA1	0EMLO2
CA614B	99	18.361	4.000	8	●	2288	67	LOGDA1	0EMLO2
CA614C	99	18.361	4.000	8	●	2288	67	LOGDA1	0EMLO2
CA614D	99	18.361	4.000	8	●	2288	67	LOGDA1	0EMLO2
CA614E	99	18.361	4.000	8	●	2288	67	LOGDA1	0EMLO2
CA714A	123	22.951	4.000	10	●	2860	67	LOGDA1	0EMLO2
CA714B	123	22.951	4.000	10	●	2860	67	LOGDA1	0EMLO2
CA714C	123	22.951	4.000	10	●	2860	67	LOGDA1	0EMLO2
CA714D	123	22.951	4.000	10	●	2860	67	LOGDA1	0EMLO2
CA714E	123	22.951	4.000	10	●	2860	67	LOGDA1	0EMLO2

OPTIONAL ACCESSORIES / ACCESORIOS OPCIONALES

DESCRIPTION	Ref.	
Angle track piece - Pieza de unión en ángulo	CA901	
End cap - Tapa final	CA902	
Prewired track and cap- Carril precableado y tapa ciega	CA903	
7 wire supplement - Suplemento cableado 7 hilos	CA904	
Track starting pack - Pack inicio de carril	CA905	
Linear rail joint - Pieza de unión lineal	CA906	
Ceiling sujection piece - Pieza de sujeción a techo	CA907	
Steel cable 1900mm - Cable de acero 1900mm	CA908	
Emergency - Emergencia 3h	See chart (Emerg. sup 3h) ↑	
Dali option - Opción DALI	See chart (DALI sup.) ↑	

TECHNICAL APPLICATIONS / APLICACIONES TÉCNICAS



Polycarbonate luminaire body
Cuerpo luminaria tubo policarbonato



Methacrylate luminaire body
Cuerpo luminaria metacrilato



Glass borosilicate luminaire body
Cuerpo luminaria vidrio borosilicato



ABS luminaire body
Cuerpo luminaria ABS



Polystyrene luminaire body
Cuerpo luminaria poliestireno



Extrusion Aluminum Body
Cuerpo aluminio



Iron body
Cuerpo hierro



Painted Aluminum end caps
Tapas Aluminio pintado



Stainless Steel 304 end caps
Tapas acero INOX



Stainless Steel 316 end caps
Tapas acero INOX



ABS Plastic end caps
Tapas ABS



PC Plastic end caps
Tapas Policarbonato



Metalized Plastic end caps
Tapas Plástico Metalizado



Nickel-plated ZAMAK end caps
Tapas Zamak Niquelado



Nickel-plated steel end caps
Tapas acero niquelado



Anodized aluminum
Aluminio Anodizado



Reflector Aluminum Gloss
Reflector Aluminio brillo



White lacquered steel Reflector
Reflector chapa lacada blanca



White Lacquered Steel Reflector
Reflector acero lacado blanco



Galvanized Steel Reflector
Reflector acero galvanizado



Aluminum body
Cuerpo extrusion



Pre-lacquered steel body
Cuerpo Acero Prelacado



Pre-lacquered aluminum body
Cuerpo Aluminio Prelacado



ABS body
Cuerpo ABS



Polycarbonate Diffuser
Difusor Policarbonato



Opal Polycarbonate Diffuser
Difusor Policarbonato Opal



Polystyrene Diffuser
Difusor Poliestireno



PC/ACRIL Diffuser
Difusor PC/ACRIL



ABS louvers
Lamas ABS



ABS - PC louvers
Lamas ABS - PC



Galvanized Steel Clamps
Abrazaderas acero cincado



Stainless Steel Clamps
Brazaderas acero inox



Quick opening stainless steel
Abrazaderas cierre rápido



Vandalism PC Clamps
Abrazaderas PC antivandálica



ABS Clamps Fixations
Abrazaderas ABS



ABS Ring
Aro ABS



Ceiling or wall Clamps
Abrazaderas techo o pared



Cable Gland
Prensaestopa



Embedded for lamps
Empotrable para lámpara



Clamps suspension borehole 18 mm
Brida suspensión perforación 18mm



Temperatures range
Rango de temperaturas



Glow wire test
Ensayo hilo



High Factor
Alto factor



Quick Connector
Conector rápido



M25 Cable entry (2e)
Entrada cables rosca M25 (2e)



Dimmable equipment
Regulación de flujo



LED Module
Módulo LED



LED Tube
Tubo LED



Fluorescent Tube
Tubo fluorescencia



LED Tube or fluorescent tube
Tubo LED o Tubo fluorescente



Light source
Fuente de luz



Light source
Fuente de luz



Light source
Fuente de luz



EX Area
Zona ATEX



Emergency Sistem
Sistema de emergencia



Photobiological risk group
Grupo de riesgo fotobiológico



MacAdam Ellipse
Índice MacAdam



Unify glare rating
Índice de deslumbramiento unificado



Chromatic Index
Índice cromático



Useful life
Vida útil

APPLICATIONS CHART / CUADRO DE APLICACIONES



Pools, Gyms
Piscinas, gimnasios



Loading and Unloading areas
Área de carga y descarga



Ovens, Blast furnaces
Hornos y pasillos de altos hornos



Power Plants
Centrales eléctricas



Furniture
Mobiliario



Parkings
Párkins



Chemical product presence
Presencia de productos químicos



Foundries
Fundiciones



Underground mines
Minas subterráneas



Farms
Granjas



Nurseries and Greenhouses
Viveros e invernaderos



Hospitals Installations
Instalaciones hospitalarias



Ultrafreezing Zones
Zonas de ultracongelación



High temperatures Zones
Zonas de altas temperaturas



Residential
Residencial



Bridges
Puentes



Monuments
Monumentos



Freezers, Food industry
Cámaras frigoríficas



Very Low Temperature zones
Zonas de muy bajas temperaturas



Shopping mall
Centros comerciales



Road tunnel
Túneles de carretera



Fountains
Fuentes



Explosive environments
Ambiente explosivo



Trains tunnels
Túneles ferroviarios



Supermarket
Supermercados



Sports facilities
Instalaciones deportivas



Hotels
Hoteles



Zones near Gas Stations
Zonas cercanas a surtidores de combustible



Vehicle Repair Shops
Talleres de reparación de vehículos



Offices
Oficinas



Coastal areas with saline environments
Estancias litorales, ambientes salinos



Bus stations
Estaciones de autobuses



Treatment plants
Depuradoras



Flammable gases production
Presencia de gas inflamable



Industrial Areas
Zona industrial



Food Industry
Industrial alimentaria



Classrooms
Aulas de enseñanza



Laundry and Dry Cleaning
Lavandería y tintorería



Temporary Field hospitals
Hospitales de campaña



Industrial hoods
Campanas industriales



Civil protection
Protección Civil



Emergency lighting
Iluminación de emergencia



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