

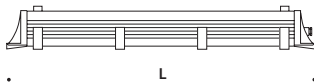
## LF4

INDUSTRIAL LIGHTING and special application  
LUMINARIAS INDUSTRIALES y de instalación especial

**LF4** are strong corrosion resistant IP66 fittings suitable for use with T5 (FQ/HO-FH/HE) and T8 linear fluorescent lamps, manufactured from extruded aluminium with high efficiency reflectors. LF4 are suitable for indoor and outdoor installations in moist and dusty type aggressive atmospheres. The contemporary styling makes LF4 suitable for use in architectural applications. Special options are available on request for; through wiring, polycarbonate cover, dimmable electronic gear and voltage / frequencies etc.

**LF4** son luminarias estrechas de aluminio extruído, resistente a la corrosión, para lámparas T5 (FQ-FH) y T8, con un reflector de alto rendimiento. Se pueden instalar interior y exterior, en ambientes severas condiciones ambientales. El moderno y exclusivo diseño permite la instalación en aplicaciones arquitectónicas e industriales. Bajo demanda puede fabricar para conexión serie, con difusor de policarbonato en lugar de vidrio, con balastos electrónicos regulables o en tensiones especiales.





**SPECIFICATION:**

**Installation:** Fittings are supplied complete with two quick fixing strong AISI 316 stainless steel spring ceiling mounting brackets. For heavy duty applications or installations subject to mechanical vibration e.g. tunnels, accessories A0076 or A0077 adjustable mounting brackets are recommended.

**Quality and longevity:**

The clear toughened glass and high IP66 integrity ensure high photometric performance and easy maintenance.

**High and low ambient temperatures:** LF4 fittings are suitable to operate from -20°C to +50°C depending on the specific lamp and gear version.

**Non-combustibility:** Manufactured from 96% non-combustible materials and 4% self extinguishing VO-UL94 material, glow and 850°C hot wire resistant.

**Special versions:** Options are available to meet a variety of applications as follows:

Polycarbonate cover (food type applications).

Dimmable electronic ballast, special voltage / frequencies.

**MATERIALS:**

- Anodised extruded aluminium body with VOUL94 (850°C) tecnopolymer ends
- High purity aluminium reflector anodised and polished.
- Toughened safety glass hinged to body
- Silicone anti-ageing gaskets
- A2 stainless steel external fixings.

**CARACTERISTICAS DE FABRICACION**

**Instalacion rapida:** Las luminarias se suministran con dos clips de acero inoxidable para instalación en techo. Para instalaciones en condiciones severas o en presencia de vibraciones, como en los túneles, se debe usar los accesorios A0076 o A0077 (ajustable).

**Calidad constante y larga vida:**

El vidrio templado asegura mayor tiempo su transparencia y facilita su mantenimiento, con garantía de rendimiento fotométrico.

**Alta y baja temperaturas:** LF4 luminaria se puede instalar desde -20° hasta +50°C según los modelos.

**No combustible:** La luminaria se fabrica con 96% de materiales no combustibles según Norma VO-UL94. El resto 4% es autoextinguible VO-UL94, a la llama 850°C.

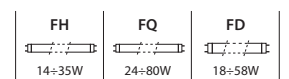
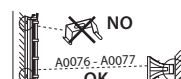
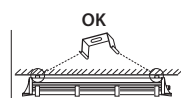
**Versiones segun demanda:** Para satisfacer algunos requerimientos se suministran en versiones:

- con difusor de policarbonato (Industria alimentaria),
- con balasto electrónico regulable, en tensiones estandares o especiales.

**CONSTRUCCION**

- Cuerpo de aluminio extruido con tapas de tecnopolímero VO-UL94 (850°C)
- Reflector anodizado y pulido, de aluminio puro.
- Vidrio templado y securizado, colgante del cuerpo.
- Junta de silicona.
- Tornillos exteriores de acero inoxidable.

FH	FQ	FD	L mm
1-2x14W	1-2-x24W	1-2x18W	785
1-2x28W	1-2x54W	1-2x36W	1395
1-2-x35W	1-2x49W	1-2x58W	1695
	1-2x80W		1695





LF4 - T8		11			Single lamp - Lámpara única	L mm
05673025	1x18W			G13 FD	LUMILUX / TLD	785
05674025	1x36W			G13 FD	LUMILUX / TLD	1395
05675025	1x58W			G13 FD	LUMILUX / TLD	1695
•05769025	1x18W			G13 FD	LUMILUX / TLD	785
•05770025	1x36W			G13 FD	LUMILUX / TLD	1395
•05771025	1x58W			G13 FD	LUMILUX / TLD	1695

- 220-240V, 50/60Hz electronic high frequency ballast (non dimmable). Specials with dimmable ballasts or low temperature versions down to -40° are available on request.
- Modelos con balasto electrónico 220÷240V 50/60Hz no regulable. Versiones especiales con balasto regulable, o para bajas temperaturas -40°C Pueden suministrarse bajo demanda.

LF4 - T8		11			Twin lamp - Dos lámparas	L mm
05677025	2x18W			G13 FD	LUMILUX / TLD	785
05761025	2x36W			G13 FD	LUMILUX / TLD	1395
05762025	2x58W			G13 FD	LUMILUX / TLD	1695
•05772025	2x18W			G13 FD	LUMILUX / TLD	785
•05773025	2x36W			G13 FD	LUMILUX / TLD	1395
•05774025	2x58W			G13 FD	LUMILUX / TLD	1695

- 220-240V, 50/60Hz electronic high frequency ballast (non dimmable). Ta 0° to +50°C. Specials with dimmable ballasts or low temperature versions down to -40° are available on request.
- Modelos con balasto electrónico 220÷240V 50/60Hz no regulable. Ta: 0°÷50°C. Versiones especiales con balasto regulable, o para bajas temperaturas -40°C Pueden suministrarse bajo demanda.

LF4 - T8 EM		11			Emergency version - Con juego de emergencia	L mm
03000911	1x36W CRF EM			G13 FD	LUMILUX / TLD	1395
03001011	1x58W CRF EM			G13 FD	LUMILUX / TLD	1695
03001111	2x36W CRF EM			G13 FD	LUMILUX / TLD	1395
03001211	2x58W CRF EM			G13 FD	LUMILUX / TLD	1695

Emergency; one hour integral maintained, nickel cadmium cells. Other versions available on request.

Con juego de emergencia acumulador Niquel/Cadmio, para una lámpara una hora en modo emergencia y circuito permanente modo alumbrado general. Otras versiones bajo demanda. Completa con fusible.



#### LF4 - T5

LF4 T5 ETRC FH/HE and FQ/HO versions are complete with non dimmable electronic ballast. Specials with dimmable ballast, operating ambient to -25°C, and through wiring are available on request. See following page.

*Todas luminarias LF4 T5 ETRC FH/HE y FQ/HO son suministradas con balasto electrónico no regulable.*

*Versiones especiales con balasto regulable, o para temperaturas -25°C, con cableado pasante para instalaciones serie bajo demanda, ver páginas siguientes.*

LF4 - T5	11	Single lamp - Lámpara única				L mm
05129911	1x14W	G5	FH/HE	Lumilux / Master TL5	785	
05130011	1x28W	G5	FH/HE	Lumilux / Master TL5	1395	
05130111	1x35W	G5	FH/HE	Lumilux / Master TL5	1695	
05130211	1x24W	G5	FQ/HO	Lumilux / Master TL5	785	
05130311	1x49W	G5	FQ/HO	Lumilux / Master TL5	1695	
05130411	1x54W	G5	FQ/HO	Lumilux / Master TL5	1395	
05130511	1x80W	G5	FQ/HO	Lumilux / Master TL5	1695	

LF4 - T5	11	Twin lamp - Dos lámparas				L mm
05130611	2x14W	G5	FH/HE	Lumilux / Master TL5	785	
05130711	2x28W	G5	FH/HE	Lumilux / Master TL5	1395	
05130811	2x35W	G5	FH/HE	Lumilux / Master TL5	1695	
05130911	2x24W	G5	FQ/HO	Lumilux / Master TL5	785	
05131011	2x49W	G5	FQ/HO	Lumilux / Master TL5	1695	
05131111	2x54W	G5	FQ/HO	Lumilux / Master TL5	1395	
05131211	2x80W	G5	FQ/HO	Lumilux / Master TL5	1695	

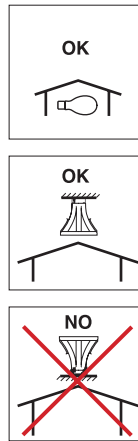
#### LF4 / C - T5 - Through wiring / con cableado pasante

LF4/C T5 differ from standard LF4 T5 versions as they are factory fitted complete with internal cable 5x1.5mm<sup>2</sup>, two terminal blocks at either end and two cable glands, for through wiring installation.

*LF4/C versiones para lámparas T5 Ø16mm, completa con cableado pasante 5x1,5 mm<sup>2</sup> para conexión en serie.*

LF4 / C - T5	11	Single lamp - Lámpara única				L mm
05131311	/C 1x14W	G5	FH/HE	Lumilux / Master TL5	785	
05131411	/C 1x28W	G5	FH/HE	Lumilux / Master TL5	1395	
05131511	/C 1x35W	G5	FH/HE	Lumilux / Master TL5	1695	
05131611	/C 1x24W	G5	FQ/HO	Lumilux / Master TL5	785	
05131711	/C 1x49W	G5	FQ/HO	Lumilux / Master TL5	1695	
05131811	/C 1x54W	G5	FQ/HO	Lumilux / Master TL5	1395	
05131911	/C 1x80W	G5	FQ/HO	Lumilux / Master TL5	1695	

LF4 / C - T5	11	Twin lamp - Dos lámparas				L mm
05132011	/C 2x14W	G5	FH/HE	Lumilux / Master TL5	785	
05132111	/C 2x28W	G5	FH/HE	Lumilux / Master TL5	1395	
05132211	/C 2x35W	G5	FH/HE	Lumilux / Master TL5	1695	
05132311	/C 2x24W	G5	FQ/HO	Lumilux / Master TL5	785	
05132411	/C 2x49W	G5	FQ/HO	Lumilux / Master TL5	1695	
05132511	/C 2x54W	G5	FQ/HO	Lumilux / Master TL5	1395	
05132611	/C 2x80W	G5	FQ/HO	Lumilux / Master TL5	1695	



**LF4 / PC - Polycarbonate cover IP 65**

All LF4 fittings are available with UV stabilized clear polycarbonate IP65 cover, on request, as an alternative to the standard glass cover. The polycarbonate cover is ideal for food industry applications or installations where glass breakage may occur. To order LF4 with polycarbonate cover accessory A0289-PC, the appropriate accessory number corresponding with the fitting, should be ordered as a separate item along with the fitting. See table below.

*Todas las luminarias LF4 pueden suministrarse con difusor de policarbonato estabilizado a U.V. transparente. En lugar del estandar con vidrio templado. La versión de policarbonato es usada en la industria de la alimentación, donde se puede romper el vidrio y afectar a la producción. Al encargar la luminaria de policarbonato debe solicitarse a la vez el accesorio A0289 PC difusor, en lugar del vidrio, según lista seguida.*

14044320	A0289/18	05673025 LF4 T8 118	05677025 LF4 T8 218
		05769025 LF4 T8 118	05772025 LF4 T8 218
14044420	A0289/36	05674025 LF4 T8 136	05761025 LF4 T8 236
		05770025 LF4 T8 136	05773025 LF4 T8 236
		03000911 LF4 T8 EM 136	03001111 LF4 T8 EM 236
14044520	A0289/58	05675025 LF4 T8 158	05762025 LF4 T8 258
		05771025 LF4 T8 158	05774025 LF4 T8 258
		03001011 LF4 T8 EM 158	03001211 LF4 T8 EM 258
14046420	A0289/14-24	05129911 LF4 T5 114	05130611 LF4 T5 214
		05130211 LF4 T5 124	05130911 LF4 T5 224
14046520	A0289/28-54	05130011 LF4 T5 128	05130711 LF4 T5 228
		05130411 LF4 T5 154	05131111 LF4 T5 254
14046620	A0289/35-49-80	05130111 LF4 T5 135	05130811 LF4 T5 235
		05130311 LF4 T5 149	05131011 LF4 T5 249
		05130511 LF4 T5 180	05131211 LF4 T5 280

**ACCESSORIES**  
**ACCESORIOS**



14296005 A0076

Pair of sliding adjustable heavy duty surface mounting brackets as an optional alternative to standard brackets.

*Dos soportes para instalación en pared o techo. Como sustitución de los soportes de inox, para instalaciones pesadas (Túneles).*



14297005 A0077

Pair of sliding adjustable and pivoting heavy duty surface mounting brackets as an optional alternative to standard brackets.

*Dos soportes orientables para montaje en pared o techo.*



14007620 A0194/4Ah - 3,6V (28W-T5 / 36W-T8)

14295005 A0074/4Ah - 6V (35-49-54-T5 / 58W-T8)

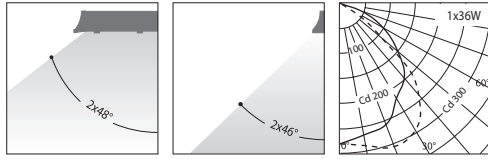
14014920 A0218/4Ah - 2x3,6V (80W-T5)

In addition to the emergency fittings indicated on page 246 other single lamp emergency options are available for LF4 (except T8/118-218 and T5/114-214-124-224 versions) with 1hr maintained, self contained and nickel cadmium batteries. Other options available on request.

*Como complemento de los modelos emergencia, véase página 262, todos los modelos LF4, pueden suministrarse con equipo de emergencia, excepto T8/118-218 y T5/114-214-124-224.*

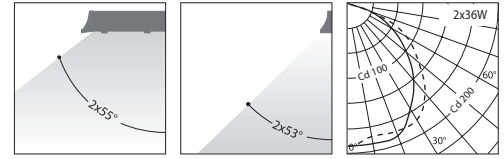
*Debensolicitarse junto con las luminarias para ser montados en origen. 1 hora mantenida/ 1 lámpara con acumulador de Níquel Cadmio, 1 hora/1 lámpara, en circuito permanente, siempre conectada. Se puede suministrar otras versiones bajo demanda.*

LF4 T8 136  
1x3350 Lumen

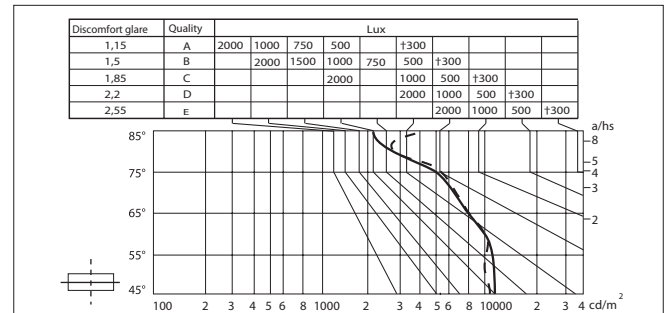
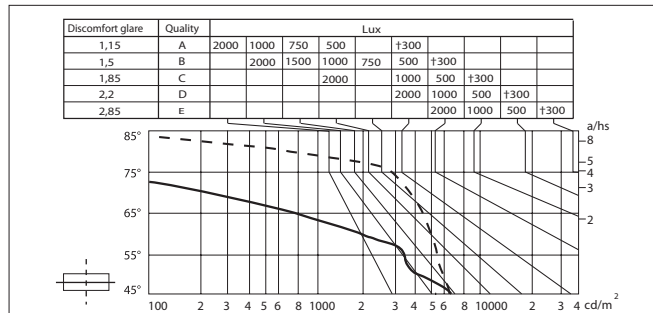


A	80	70	70	70	70	50	50	50	30	30	30	0		
B	70	70	50	30	10	50	30	10	50	30	10	0	A: Ceiling	
C	10	10	10	10	10	10	10	10	10	10	10	0	Plafón techo	
K	0.60	0.47	0.46	0.38	0.34	0.30	0.38	0.33	0.30	0.36	0.33	0.30	0.28	B: Wall
	0.80	0.53	0.52	0.45	0.40	0.37	0.44	0.40	0.37	0.43	0.40	0.37	0.35	Pared
	1.00	0.58	0.57	0.51	0.46	0.43	0.50	0.46	0.43	0.49	0.45	0.42	0.41	C: Floor
	1.25	0.62	0.61	0.55	0.51	0.48	0.54	0.51	0.48	0.53	0.50	0.48	0.46	Suelo
	1.50	0.65	0.64	0.59	0.55	0.52	0.58	0.55	0.52	0.57	0.54	0.51	0.50	
	2.00	0.69	0.68	0.64	0.61	0.58	0.63	0.60	0.58	0.61	0.59	0.57	0.56	
	2.50	0.71	0.70	0.67	0.64	0.62	0.66	0.63	0.61	0.64	0.62	0.61	0.59	
	3.00	0.72	0.71	0.69	0.67	0.65	0.68	0.66	0.64	0.66	0.65	0.63	0.62	K: Room index
4.00	0.74	0.73	0.71	0.69	0.68	0.70	0.68	0.67	0.68	0.67	0.66	0.64	Indice del local	
5.00	0.75	0.74	0.72	0.71	0.70	0.71	0.70	0.69	0.70	0.68	0.67	0.66		

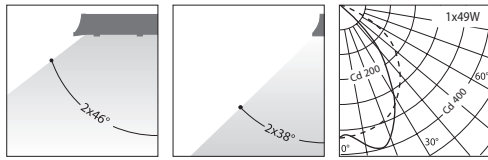
LF4 T8 236  
2x3350 Lumen



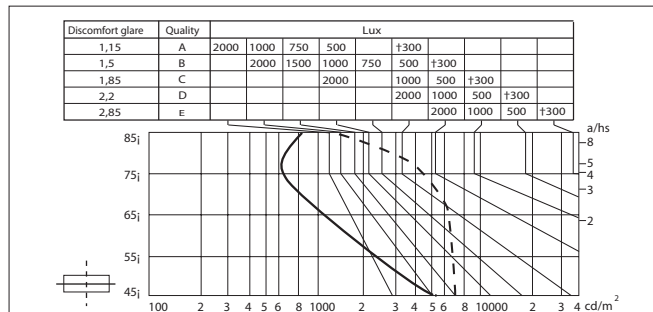
A	80	70	70	70	70	50	50	50	30	30	30	0		
B	70	70	50	30	10	50	30	10	50	30	10	0	A: Ceiling	
C	10	10	10	10	10	10	10	10	10	10	10	0	Plafón techo	
K	0.60	0.39	0.38	0.31	0.26	0.22	0.30	0.26	0.22	0.30	0.25	0.22	0.21	B: Wall
	0.80	0.46	0.45	0.38	0.33	0.29	0.37	0.32	0.29	0.36	0.32	0.29	0.27	Pared
	1.00	0.51	0.50	0.43	0.38	0.35	0.42	0.38	0.34	0.41	0.37	0.34	0.33	C: Floor
	1.25	0.55	0.54	0.48	0.43	0.40	0.47	0.43	0.40	0.46	0.42	0.39	0.38	Suelo
	1.50	0.58	0.57	0.52	0.47	0.44	0.50	0.47	0.44	0.49	0.46	0.43	0.42	
	2.00	0.62	0.61	0.57	0.53	0.50	0.55	0.52	0.50	0.54	0.52	0.49	0.48	
	2.50	0.64	0.63	0.60	0.57	0.54	0.59	0.56	0.54	0.57	0.55	0.53	0.51	
	3.00	0.66	0.65	0.62	0.60	0.57	0.61	0.58	0.57	0.59	0.57	0.56	0.54	K: Room index
4.00	0.68	0.67	0.65	0.63	0.61	0.63	0.61	0.60	0.62	0.60	0.59	0.57	Indice del local	
5.00	0.69	0.68	0.66	0.64	0.63	0.65	0.63	0.62	0.63	0.62	0.61	0.59		



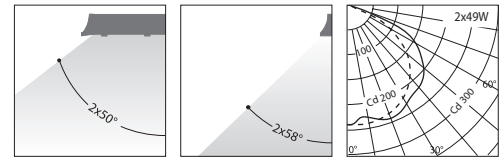
LF4 T5 149  
1x4900 Lumen



A	80	70	70	70	70	50	50	50	30	30	30	0		
B	70	70	50	30	10	50	30	10	50	30	10	0	A: Ceiling	
C	10	10	10	10	10	10	10	10	10	10	10	0	Plafón techo	
K	0.60	0.50	0.49	0.41	0.37	0.34	0.41	0.36	0.33	0.40	0.36	0.33	0.32	B: Wall
	0.80	0.56	0.55	0.48	0.44	0.40	0.48	0.43	0.40	0.47	0.43	0.40	0.39	Pared
	1.00	0.61	0.60	0.54	0.50	0.46	0.53	0.49	0.46	0.52	0.49	0.46	0.44	C: Floor
	1.25	0.65	0.64	0.59	0.55	0.52	0.58	0.54	0.51	0.57	0.53	0.51	0.50	Suelo
	1.50	0.68	0.67	0.62	0.59	0.56	0.61	0.58	0.55	0.60	0.57	0.55	0.53	
	2.00	0.72	0.71	0.67	0.64	0.62	0.66	0.63	0.61	0.64	0.62	0.60	0.59	
	2.50	0.74	0.73	0.70	0.67	0.65	0.69	0.66	0.65	0.67	0.65	0.64	0.62	
	3.00	0.75	0.74	0.72	0.70	0.68	0.70	0.69	0.67	0.69	0.68	0.66	0.65	K: Room index
4.00	0.77	0.76	0.74	0.72	0.71	0.73	0.71	0.70	0.71	0.70	0.69	0.67	Indice del local	
5.00	0.78	0.77	0.75	0.74	0.73	0.74	0.73	0.71	0.72	0.71	0.70	0.68		



LF4 T5 249  
2x4900 Lumen



A	80	70	70	70	70	50	50	50	30	30	30	0		
B	70	70	50	30	10	50	30	10	50	30	10	0	A: Ceiling	
C	10	10	10	10	10	10	10	10	10	10	10	0	Plafón techo	
K	0.60	0.40	0.39	0.31	0.26	0.22	0.30	0.26	0.22	0.30	0.25	0.22	0.21	B: Wall
	0.80	0.46	0.45	0.38	0.33	0.29	0.37	0.32	0.29	0.36	0.32	0.29	0.27	Pared
	1.00	0.51	0.50	0.43	0.38	0.35	0.42	0.38	0.34	0.41	0.37	0.34	0.33	C: Floor
	1.25	0.56	0.55	0.48	0.44	0.40	0.47	0.43	0.40	0.46	0.42	0.39	0.38	Suelo
	1.50	0.59	0.58	0.52	0.48	0.44	0.51	0.47	0.44	0.50	0.46	0.44	0.42	
	2.00	0.63	0.62	0.57	0.54	0.51	0.56	0.53	0.50	0.55	0.52	0.50	0.48	
	2.50	0.66	0.64	0.61	0.58	0.55	0.59	0.57	0.54	0.58	0.56	0.54	0.52	
	3.00	0.67	0.66	0.63	0.60	0.58	0.62	0.59	0.57	0.60	0.58	0.57	0.55	K: Room index
4.00	0.69	0.68	0.66	0.64	0.62	0.64	0.63	0.61	0.63	0.61	0.60	0.58	Indice del local	
5.00	0.70	0.69	0.68	0.66	0.64	0.66	0.65	0.63	0.65	0.63	0.62	0.60		

