

3F Linda UL

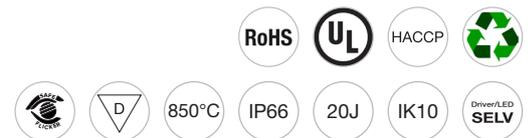
Product guide

3F Filippi





Technical features



ILLUMINOTECHNICAL

The product has a luminous flux 1.000 - 11.000 lm and has a luminous efficiency up to 132,5 lm/W.

Installation pitch max.
DT = 3.54 x hu
DI = 1.32 x hu

Lifetime (L80/B10): 100.000h
(tq+77°F+25°C).

Photobiological Safety in compliance with IEC/TR 62778: RG0 risk exempt (IEC 62471). In compliance with IEC/EN 62722-2-1 - IEC/EN 62717 standards.

SOURCE

1/2 linear LED modules with CRI>80. Available versions: /830 /835 /840 /850. Colour initial tolerance (MacAdam): SDCM 3.

MECHANICAL

The housing is made of self-extinguishing polyphenylene housing, injection moulded, RAL 7035 grey. The diffuser is made of self-extinguishing polycarbonate, photo-engraved interior.

Gear-tray reflector unit in hot-galvanised steel, painted white.

Snug fit safety snap-lock clips for diffuser mounting in stainless steel, screwdriver opening.

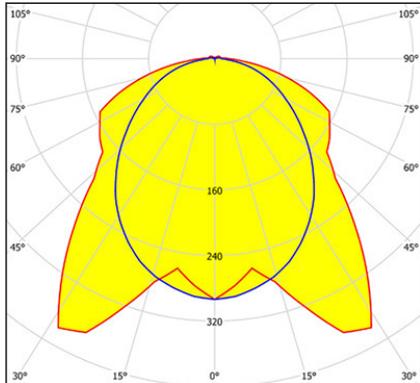
Flux recuperator in specular aluminium, high efficiency (Wide and Narrow distributions).

ELECTRICAL

0-10V electronic wiring, 120-277V 50/60Hz, UL Class 2, Class P, power factor 0.95 at full load @230Vac, constant output current, SELV, class I. 8,5 - 83 W. UL-US / UL-CA E515231 Wet location listed (UL1598) certification. Ambient temperature (see p. 4). Relative humidity UR: <85%. SAFE FLICKER.

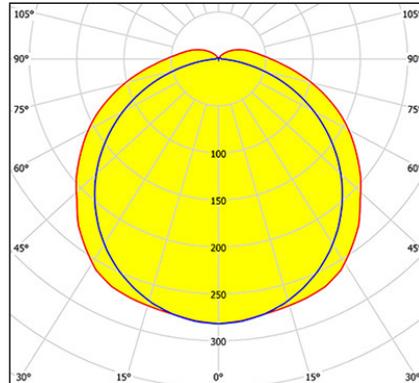
B - Base

Diffuser in self-extinguishing V2 polycarbonate, photo-engraved interior, UV stabilised, injection moulded with smooth outer surface.
Available in all lengths.



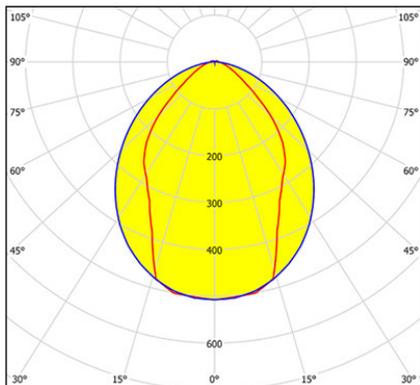
S - Soft

Soft opal diffuser in self-extinguishing V2 polycarbonate, photo-engraved interior, UV stabilised, injection molded with smooth outer surface.
Available in all lengths.



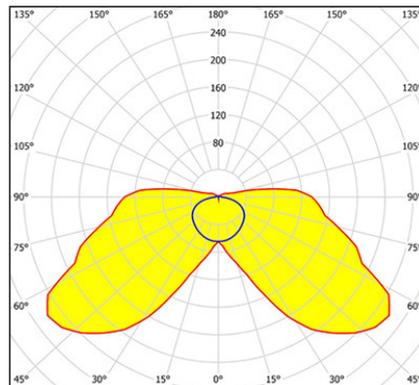
N - Narrow

Concentrated elliptical distribution.
Available for 1270 mm (4FT) and 1570 mm (5FT) lengths only.



W - Wide

Wide distribution.
Available for 1270 mm (4FT) and 1570 mm (5FT) lengths only.



APPLICATIONS

The product is suitable for food production plants (HACCP), IFS (Food Version 6), BRC (GSFS Food Version 7).

Dry, dusty indoor environments, subject to occasional water splashes.

Virtually shatterproof polycarbonate compatibly with the fumes / atmospheres that compromise the elasticity of plastic materials.

Not suitable in environments where chlorine fumes, ligroin, hydrocarbon mixtures, mineral oil vapours or fumes of lubricating

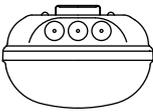
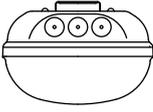
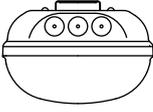
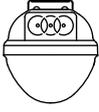
emulsions to cool down machine tools are present.

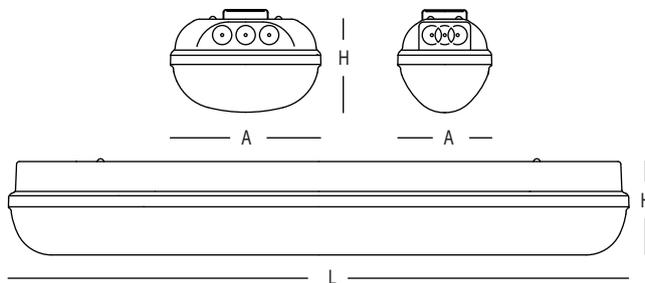
Not suitable for installation on surfaces subject to important vibrations, exposed to weather conditions, on ropes or poles. Suitable for illumination of public car parks and parking grounds referred to DIN 67528:2018-04.

Note:

For specific applications and/or for more informations, please contact our Technical Offices or visit our website www.3f-filippi.com.

/ 3F Linda UL

	Size	Length (FT)	Power	Luminous flux (*)	T. max
	Large	2	11W	1500 lm	-20°+40°C (-4°+104°F)
	Large	2	18,5W	2500 lm	-20°+40°C (-4°+104°F)
	Large	2	27W	3500 lm	-20°+40°C (-4°+104°F)
	Large	4	34W	4500 lm	-20°+40°C (-4°+104°F)
	Large	4	45W	6000 lm	-20°+40°C (-4°+104°F)
	Large	4	59W	7500 lm	-20°+35°C (-4°+95°F)
	Large	4	70W	9000 lm	-20°+30°C (-4°+86°F)
	Large	5	70W	9500 lm	-20°+35°C (-4°+95°F)
	Large	5	83W	11.000 lm	-20°+30°C (-4°+86°F)
	Slim	2	8,5W	1000 lm	-20°+40°C (-4°+104°F)
	Slim	2	16,5W	2000 lm	-20°+35°C (-4°+95°F)



L	660 mm	2FT (26.0")
	1270 mm	4FT (50.0")
	1570 mm	5FT (61.8")
A	100 mm	(3.9")
	160 mm	(6.3")
H	100 mm	(3.9")

PRODUCT CONFIGURATION

These tables show wattages, luminous fluxes, lengths, maximum operating temperatures, etc. to help configure the product according to the specific needs of each user.

In addition, there is also a table showing the spectrometric factors **Rf Fidelity Index** and **Rg Gamut Index** of the available colours as well as the conversion factors for luminous fluxes.

Note:

(*) The values shown refer to the /840 tone. For further information please contact our Sales Network or our Technical Offices.

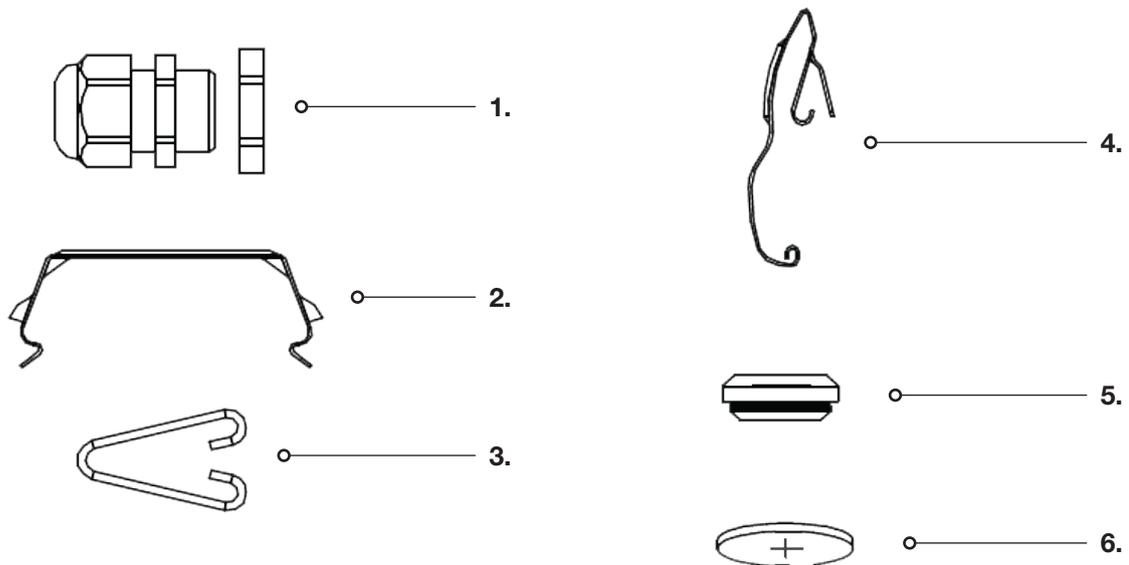
3F LINDA UL - CODE COMPOSITION

Product range	Length (FT)	Mounting	Luminous flux	CCT	Wiring	Luminous Distribution
3FLD (3F Linda equivalent)	2 (L660)	SU (Surface)	10 (2S - 1.000 lm - 8,5W)	830	D0 (0-10V)	B (Base)
	2S (L660 Slim)		15 (2 - 1.500 lm - 18W)	835		
	4 (L1270) only 3FL Large 160mm		20 (2S - 2.000 lm - 16,5W)	840		
	5 (L1570) only 3FL Large 160mm		25 (2 - 2.500 lm - 18,5W)	850		
	35 (2 - 3.500 lm - 27W)					
	45 (4 - 4.500 lm - 34W)					
	60 (4 - 6.000 lm - 45W)					
	75 (4 - 7.500 lm - 59W)					
	90 (4 - 8.900 lm - 70W)					
	95 (5 - 9.500 lm - 70W)					
	11 (5 - 11.000 lm - 83W)					

Example of composition: **3FLD4SU60840D0W**

CCT Conversion Factor

CCT	Conversion Factor luminous flux	Rf (TM30)	Rg (TM30)
3000 K	0.960	84	95
3500 K	0.960	84	95
4000 K	1.000	84	95
5000 K	0.990	84	95



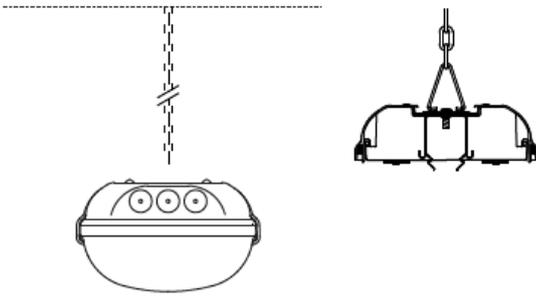
Installations and components

SUPPLIED MATERIALS

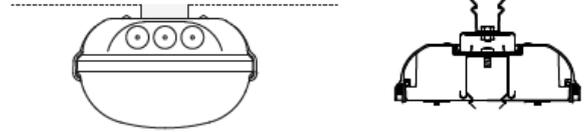
Each fixture contains ALL of the following installation materials as standard:

1. Grey PVC 1,3cm Knockout Cable Strain Relief (1pc).
2. Stainless Steel fixture mounting clips (2pcs).
3. Stainless Steel hanging clips.
4. Stainless Steel fixture cover clips (4pcs>L = 600 | 8pcs>L = 1270 | 10pcs>L = 1570).
5. Grey rubber cable grommet (1pc L = 1270 | 1pc L = 1570).
6. Black neoprene ceiling or wall mount spacing grommet.

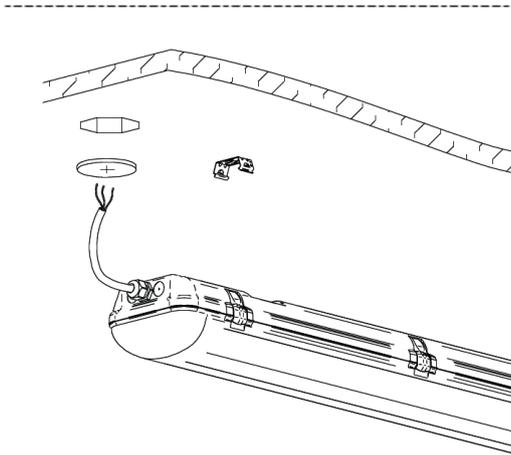
**Suspended
(SU)**



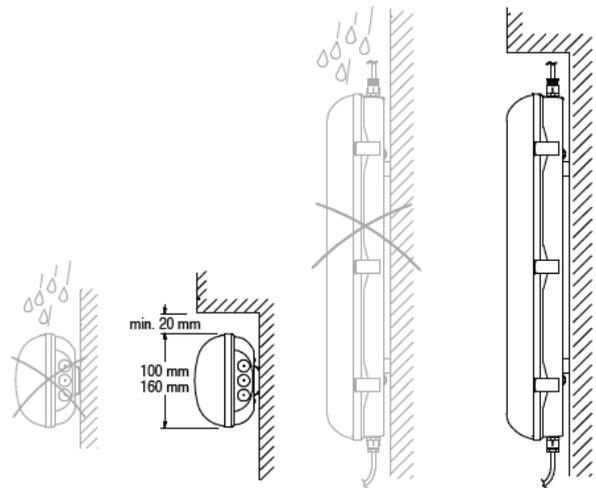
**Ceiling Surface
(SU)**



**Suspended
(SU)**



Wall Surface

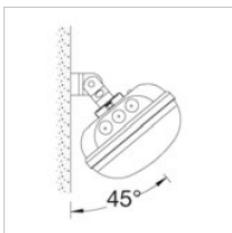


INSTALLATION TYPES

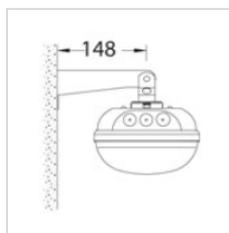
3F Linda can be installed suspended, surface mounted or wall-mounted using special accessories (brackets, etc.)

For further informations on the product and installation methods, please check the installation instructions or contact our Sales Network or Technical Support.

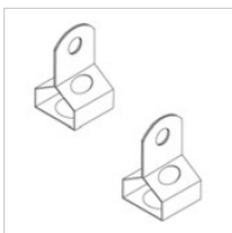
ACCESSORIES



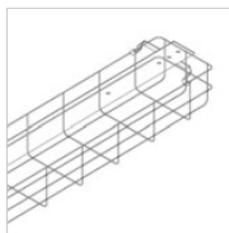
Short bracket kit, 2ea. Stainless Steel. **To be used for ceiling or wall mounting.**
Art. No. **A0450**



Long bracket kit, 2ea. Stainless Steel. **To be used for ceiling or wall mounting.**
Art. No. **A0452**



Suspension hook kit, 2ea. Stainless Steel. **To be used for ceiling or wall mounting.**
Art. No. **A0452**



Wireguard, galvanized steel Ø5mm rod. **To be used for indoor surface mount applications only for extra fixture protection.**
Art. No. **A0457 (1270 size) and A0458 (1570 size)**

Notes:

Performances are measured and certified by our CTFs2 laboratory; Photometric Laboratory (EN 13032, IES LM79); Test and inspections (UL 1598, EN IEC 60598-1, CISPR 15, IEC 61547). Due to the technological evolution of the electronic components, the data provided may be updated, and as such, confirmation must be requested during the order process.

Luminous flux and power supply have +/-10% tolerances with respect to the indicated value.
tq +25°C = +77°F (CIE 121).





The data in this brochure is indicative and we invite you to visit our website www.3f-filippi.com or contact our sales network for updates.

The **3F Filippi S.p.A.**, constantly committed to improving its products, reserves the right to modify the technical characteristics of the products illustrated and the contents of this publication without prior notice.



For further information about this product, visit the site
www.3f-filippi.com



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