

**3F** **Filippi**  
illuminazione



**3F Linda LED**

## 3F Linda

even cleaner, more compact and solid...



3F Linda has become famous for its soft and smooth lines, its patented snug fit snap-lock clips, its compact egg-shaped housing (110 millimetres maximum in the case of ceiling installation with brackets), its internal reinforcement structure and its elastic, shatterproof polycarbonate diffuser.

Thanks to its flexibility, it finds applications in residential, commercial and even food industry environments (IFS, HACCP and BRC certification).

**3F Linda** is available in four different lengths (300, 600, 1200 and 1500 mm) with different power and luminous flux levels, and with both housing widths (100 millimetres and 160 millimetres).

The **Fluorescent** versions are available with efficient electronic wiring which reduces power consumption and on times.

Thanks to the new **diffuser**, photo etched on the inside, 3F Linda is now even more economical and high-performance: better diffusion of the light, increased comfort and softer vision.

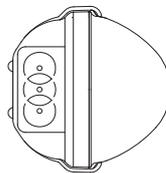
## 3F Linda Range

### LED versions

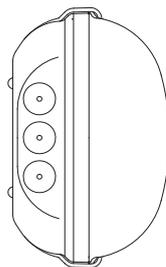
- 3F Linda LED
- 3F Linda LED Opale
- 3F Linda LED Trasparente
- 3F Linda LED Ice
- 3F Linda LED Sensor
- 3F Linda LED Basic
- 3F Linda HS

### Fluorescent versions:

- 3F Linda Fluo
- 3F Linda Fluo Trasparente



**3F Linda**  
100 mm



**3F Linda**  
160 mm

# 3F Linda

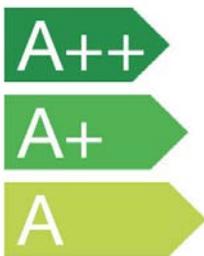
## ...ecological and efficient.



Patented

The new 3F Linda is the best representation of **3F Filippi's design philosophy**: look for the best manufacturing solutions which respect the environment and bring reductions in consumption of materials and energy across the whole product life cycle, via:

**Reduction of power consumption and increase in efficiency of our products** thanks to the introduction of intelligent electronic wiring, high-efficiency sources and optimisation of the distribution of the luminous flux, thanks also to the possibility of installing flow recuperators.



Waterproof and  
corrosion-proof

**Limited use of different materials**, facilitating assembly, installation and recycling: 3F Linda contains only polycarbonate (housing, diffuser and clips), aluminium or steel (flow recuperator, gear tray and stainless-steel clips) and the copper in the wires (completely removable).

Moreover, connection between components are all reversible and use completely recyclable materials, facilitating disassembly and disposal of the product at the end of its lifetime.

**Recyclable green** packaging, like all of 3F Filippi's products, in recycled cardboard.

**Reduced ecological footprint**, with products manufactured with energy from PV solar panels and product handling following a "zero-mile" philosophy.

**Installation compatibility with previous versions**: the new 3F Linda integrates perfectly in all environments, becoming the perfect solution to update existing installations – thanks to its full compatibility with the previous fluorescent version in terms of its size and accessories.

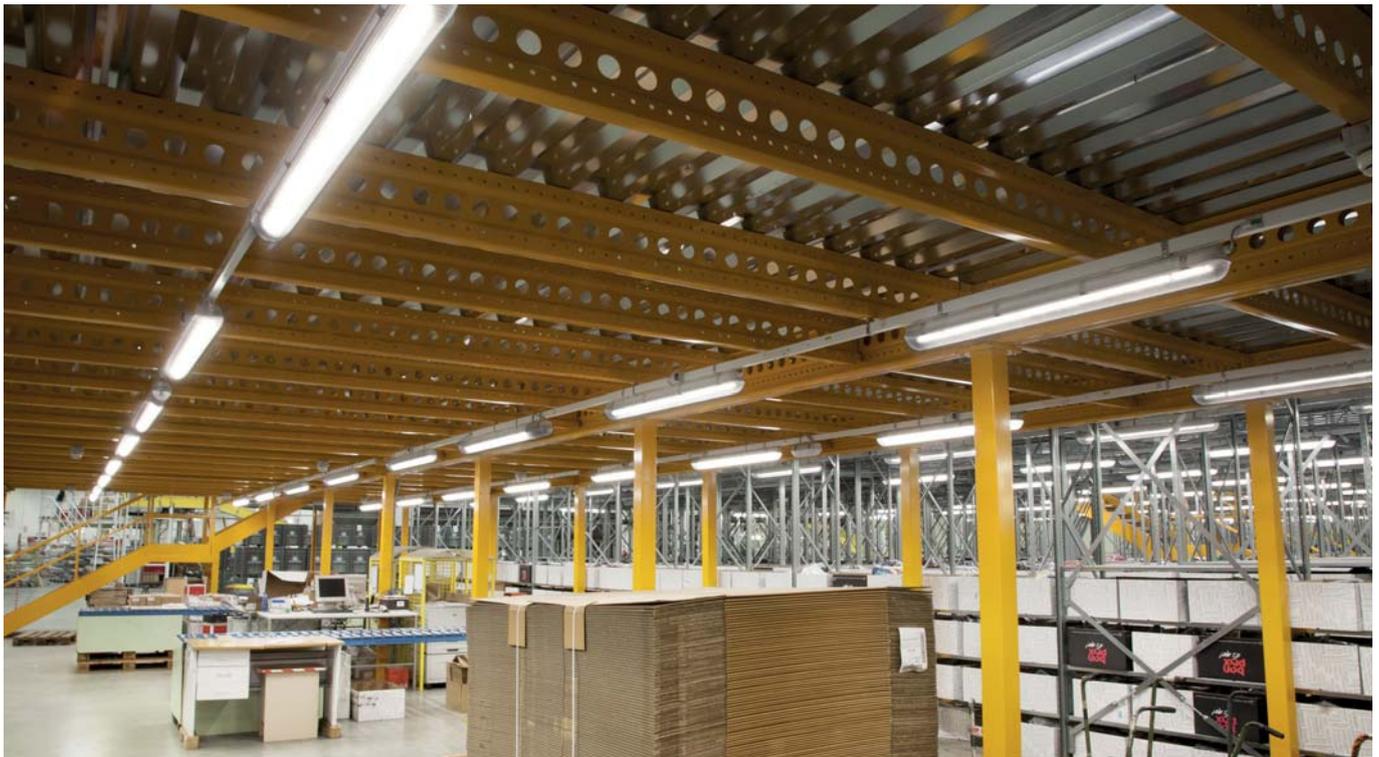
Reuse of these elements means that less energy is used to create new products and accessories for adaption of previous installations.

**Quick, safe installation** thanks to the fixing brackets which are completely in metal (both the internal and external part), the weight is optimally distributed.

The sliding quick connection bracket can also be adjusted to suit the thermal expansion of the luminaire even in environments with a notable temperature range. The set of three fixing brackets is supplied with each luminaire.

# 3F Linda LED

Watertight luminaire for high energy efficiency systems



## Construction characteristics

### Illuminotechnical characteristics

Controlled symmetric distribution.  
Lifetime (L90/B10): 30000 h. (Tp 60°C)  
Lifetime (L85/B10): 50000 h. (Tp 60°C)  
Lifetime (L75/B10): 80000 h. (Tp 60°C)  
Photobiological safety RG0 unlimited, risk absent, in compliance with IEC 62471, IEC/TR 62778.

### Mechanical characteristics

Self-extinguishing V2 polycarbonate housing, injection moulded, RAL 7035 grey. Ecologic anti-aging injected sealing gasket.  
Gear-tray reflector unit in hot-galvanised steel, painted in white polyester, fixed to the housing by means of steel rapid devices, hinged opening.  
Diffuser in self-extinguishing V2 polycarbonate, photo-engraved interior, UV stabilised, injection moulded with smooth outer surface.  
Stainless steel fixing brackets, L=300 mm versions excluded.

### Electrical characteristics

Electronic wiring 230V-50/60Hz.  
EP maintained emergency wiring, 1hr duration with 24hrs recharge, fuse.  
In compliance with EN 60598-2-22.

## Source characteristics

- Linear LED modules, CCT nominal color temperature 3000 K, 4000 K or 6500 K, color rendering index CRI >80.
- Color initial tolerance (MacAdam): 3.

## On request

- LED sources with different colour temperatures
- wiring: dimmable, class II

## Accessories

Accessories on page 334.

## Applications

Dry, dusty indoor environments, subject to occasional water splashes. Virtually in all environments compatibly with the use of any chemicals which could compromise the use 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. For specific applications please contact our technical offices.

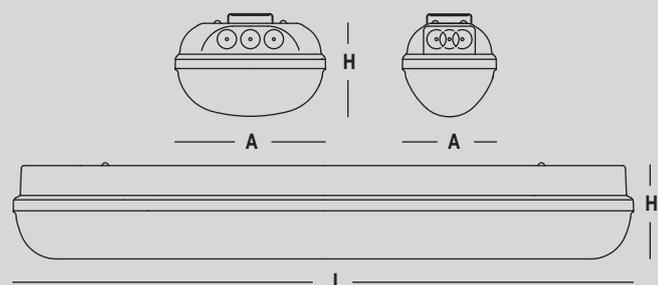
### Wide version

Environments with low ceilings, parking lots or wide installation grids.

### HS version

Product suitable for installation in food-production/processing environments (HACCP, IFS, BRC Standard).

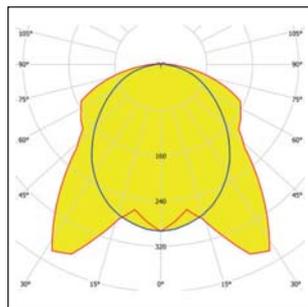
Dimensions



# 3F Linda LED

## 3F Linda LED

Code 58616



E=100%



Snug fit snap-lock clips in stainless steel.  
Fixing brackets in stainless steel.

Code	Item	Absorbed power (W)	Output flux (lm)	Dimensions L x A x H
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### Colour temperature 4000K - Electronic

58563 <small>New</small>	3F Linda LED 1x6W L660	7.5	1004	660x100x100
58561	3F Linda LED 1x12W L660	14.5	1870	660x100x100
58583	3F Linda LED 1x24W L1270	28	3736	1270x100x100
58605	3F Linda LED 1x30W L1570	34	4672	1570x100x100
58594	3F Linda LED 2x24W L1270	56	7282	1270x160x100
58616	3F Linda LED 2x30W L1570	68	9098	1570x160x100

### Colour temperature 3000K - Electronic

58596 <small>New</small>	3F Linda LED 2x24W/830 L1270	56	6918	1270x160x100
58618 <small>New</small>	3F Linda LED 2x30W/830 L1570	68	8644	1570x160x100

### Colour temperature 6500K - Electronic

58595	3F Linda LED 2x24W/865 L1270	56	7355	1270x160x100
58617	3F Linda LED 2x30W/865 L1570	68	9199	1570x160x100

### Colour temperature 4000K - EP emergency, fuse

58569 <small>New</small>	3F Linda LED 1x6W EP LA L660	7.5	1004	660x160x100
58567	3F Linda LED 1x12W EP LA L660	14.5	1870	660x160x100
58589	3F Linda LED 1x24W EP L1270	28	3736	1270x100x100
58611	3F Linda LED 1x30W EP L1570	34	4672	1570x100x100
58600	3F Linda LED 2x24W EP L1270	56	7282	1270x160x100
58623	3F Linda LED 2x30W EP L1570	68	9098	1570x160x100

### Colour temperature 3000K - EP emergency, fuse

58602 <small>New</small>	3F Linda LED 2x24W/830 EP L1270	56	6918	1270x160x100
58625 <small>New</small>	3F Linda LED 2x30W/830 EP L1570	68	8644	1570x160x100

### Colour temperature 6500K - EP emergency, fuse

58601	3F Linda LED 2x24W/865 EP L1270	56	7355	1270x160x100
58624	3F Linda LED 2x30W/865 EP L1570	68	9199	1570x160x100

### Colour temperature 4000K - ENP emergency, fuse

58713	3F Linda LED 1x24W ENP L1270		530	1270x100x100
58705	3F Linda LED 1x12W ENP LA L660		533	660x160x100

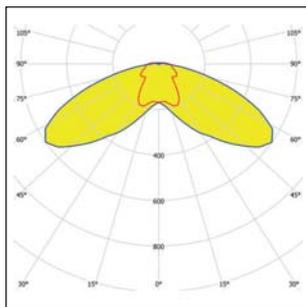
Waterproof and corrosion-proof

# 3F Linda LED

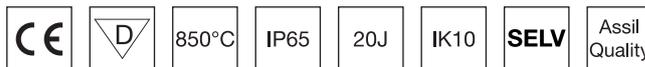
## 3F Linda LED Compact



Code 5791



E=100%



Wide longitudinal distribution.  
Adjustable LED modules.  
Photobiological safety RG0, risk absent, in compliance with IEC 62471.  
In compliance with EN 60598-1.  
Snug fit snap-lock clips for diffuser mounting, in stainless steel.

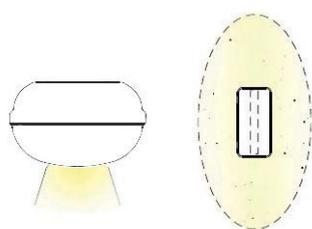
Code	Item	Absorbed power (W)	Output flux (lm)	Dimensions L x A x H
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### Electronic

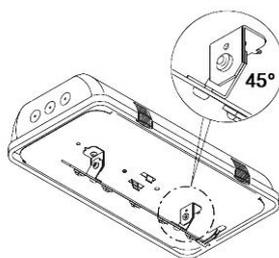
5791	3F Linda Compatta LED 1x5W 160x300	7.5	477	300x160x100
5790	3F Linda Compatta LED 1x5W 100x300	7.5	481	300x100x100

The **Linda LED** family is enhanced with this new **Compact** version, specially designed to be installed in corridors, emergency exits and transit areas: its light guides you along very clearly with its distribution which has been optimised to create light corridors. Thanks to a new type of LED specially designed for this device, consistent energy savings can be achieved and maintenance costs eliminated (average estimated LED source lifetime 80,000 h).

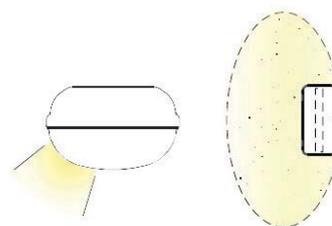
Both **Linda Compact LED** versions can be wall or ceiling mounted, and offer the possibility to direct the LED source, easily adapting the light strip to any type of installation. The rotating support the LED is fixed to allows the light flow to be oriented up to 45° in both directions, meeting any dedicated lighting requirements and allowing these adjustments to be made with great precision directly on site:



Symmetrical luminous flux



Example of source orientation

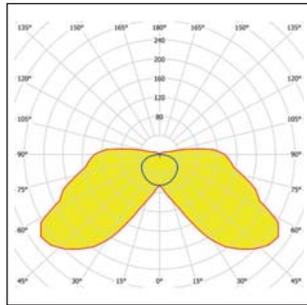


Example: Asymmetric light flow oriented at 45°

# 3F Linda LED

## 3F Linda LED Wide

Code 58661



E=100%

Wide distribution.  
Flux recuperator in specular aluminium, high efficiency.  
Snug fit snap-lock clips for diffuser mounting, in stainless steel, tamper-proof screwdriver opening.

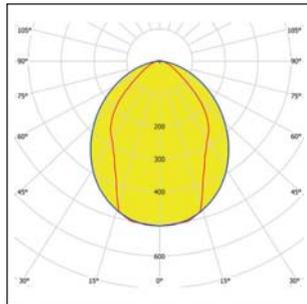
Code	Item	Absorbed power (W)	Output flux (lm)	Dimensions L x A x H
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### Electronic

58659	3F Linda LED 2x24W AMPIO L1270	56	7259	1270x160x100
58661	3F Linda LED 2x30W AMPIO L1570	68	9072	1570x160x100

## 3F Linda LED Concentrated

Code 58632



E=100%

Concentrated distribution.  
Flux recuperator in specular aluminium, high efficiency.  
Snug fit snap-lock clips for diffuser mounting, in stainless steel, tamper-proof screwdriver opening.

Code	Item	Absorbed power (W)	Output flux (lm)	Dimensions L x A x H
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### Electronic

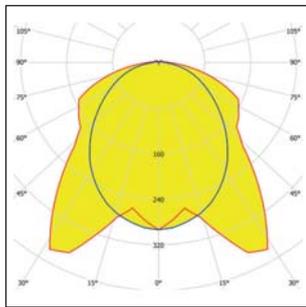
58630	3F Linda LED 2x24W CONC L1270	56	7134	1270x160x100
58632	3F Linda LED 2x30W CONC L1570	68	8918	1570x160x100

# 3F Linda LED

## 3F Linda LED Basic



Code 58765



E=100%



Photobiological safety R<sub>90</sub>, risk absent, in compliance with IEC 62471.

Snug fit snap-lock clips for diffuser mounting, in polycarbonate, tamper-proof screwdriver opening.

In compliance with EN 60598-1.

Code	Item	Absorbed power (W)	Output flux (lm)	Dimensions L x A x H
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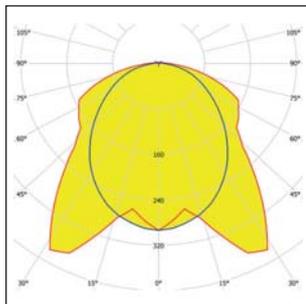
### Electronic

58762 <small>New</small>	3F Linda LED Basic 1x19W L1270	21	2724	1270x100x100
58764 <small>New</small>	3F Linda LED Basic 1x23W L1570	26	3403	1570x100x100
58763 <small>New</small>	3F Linda LED Basic 2x19W L1270	42	5304	1270x100x160
58765 <small>New</small>	3F Linda LED Basic 2x23W L1570	52	6627	1570x100x160

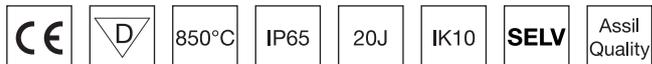
## 3F Linda LED HS



Code 58730



E=100%



Body and screen in polycarbonate with additional protective treatment for use in environments with aggressive substances.

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

In compliance with EN 60598-1.

Code	Item	Absorbed power (W)	Output flux (lm)	Dimensions L x A x H
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### Electronic

58724	3F Linda LED HS 1x30W L1570	34	4672	1570x100x100
58730	3F Linda LED HS 2x30W L1570	68	9098	1570x160x100



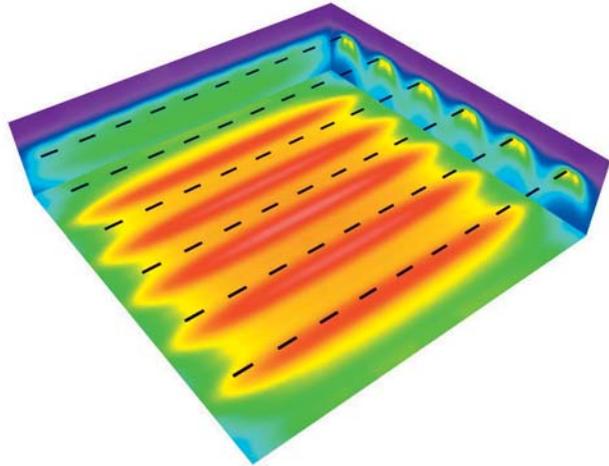
# 3F Linda LED

## Examples of design

### Comparison with waterproof Fluorescent 2x58 Starter

#### Design data:

Room dimensions	30x30 metres
Room height	7 metres
Installation height	5 metres
Number of luminaires:	60 luminaires
Like-for-like replacement of light points	
Reflection	ceiling 30% walls 30% floor 10%
Work surface height	0.85 metres



	Current installation Waterproof Fluorescent 2x58W	Like-for-like replacement of light points 3F Linda LED Basic 2x23W L1570	Reduction in light points 3F Linda LED 2x30W L1570
Lighting values	300 lx	334 lx	311 lx
Number of light points	60	60	42
Total power	8.460 W (starter) 6.600 W (electronic)	3.120 W	2.856 W
Difference		-63% (starter) -53% (electronic)	-66% (starter) -53% (electronic)
Average source lifetime	10.000 hours (starter) 18.000 hours (electronic)	>50.000 hours	>50.000 hours

2000 hours annual operation (8 hours per day)

Energy costs	51€ (starter) 40€ (electronic)	19€	
Energy savings per luminaire currently installed		32€* (starter) 21€* (electronic)	34€* (starter) 23€* (electronic)

3000 hours annual operation (12 hours per day)

Energy costs	76€ (starter) 59€ (electronic)	28€	
Energy savings per luminaire currently installed		48€* (starter) 31€* (electronic)	50€* (starter) 33€* (electronic)

\*Savings from the drastic reduction in maintenance costs should then be added to this!

# 3F Linda LED

## Comparison table between fluorescent and LED luminaires

Fluorescent Version			Consumption (W)	Corresponding LED	Consumption (W)	Savings
T8	2x58W	starter	141	3F Linda LED Basic 2x23W L1570	52	63%
		HF	109			52%
	2x36W	starter	90	3F Linda LED Basic 2x19W L1270	42	53%
		HF	71			41%
	2x18W	starter	45	3F Linda LED 1x12W L660	14,5	68%
		HF	35			59%
	1x58W	starter	70	3F Linda LED Basic 1x23W L1570	26	63%
		HF	55			53%
	1x36W	starter	45	3F Linda LED Basic 1x19W L1270	21	53%
		HF	36			42%
	1x18W	starter	27	3F Linda LED 1x6W L660	7,5	72%
		HF	19			61%
T5	2x49W		106	3F Linda LED Basic 2x23W L1570	52	51%
	2x35W		76	3F Linda LED 1x30W L1570	34	55%
	2x28W		60	3F Linda LED 1x24W L1270	28	53%
	2x14W		31	3F Linda LED 1x12W L660	14,5	53%
	1x80W		86	3F Linda LED 1x30W L1570	34	60%
	1x49W		53	3F Linda LED Basic 1x23W L1570	26	51%
	1x35W		38	3F Linda LED Basic 1x19W L1270	21	45%
	1x28W		31	3F Linda LED 1x12W L1270	14,5	53%
	1x14W		16	3F Linda LED 1x6W L660	7,5	53%

Waterproof and corrosion-proof

## Why choose 3F Linda LED?



### Never-ending light

3F Linda LED is equipped with new 3F LED technology whose sources specially developed for demanding applications guarantee an operating lifetime of over 50,000 hours, at the end of which at least 90% of the LED will still be providing 85% of their initial light output! (50,000h L85/B10).



### You won't believe your wallet!

- 3F LED technology allows you to save up to 60% compared to traditional sources.
- Existing luminaires can be replaced while maintaining the same light locations and wiring system, but reducing energy consumption.
- Reduced maintenance significantly lowers running costs.



### Beauty which doesn't blind!

The new 3F Linda LED photo-etched diffuser cancels out all glare to provide truly enviable lighting uniformity. What's more, its clean, elegant lines make 3F Linda LED a luminaire which can fit in perfectly with any environment.



### Eco-logical

- 3F Linda LED has been created according to the principles of Eco Design, and stands out for:
- Manufactured using energy from solar panels and assembled according to our "zero mileage" philosophy
  - Limited use of different materials, facilitating assembly, installation and recycling
  - Recyclable green packaging



### Significant reduction in maintenance costs

- Longer life means less maintenance.  
Less maintenance means greater savings.  
Less maintenance means fewer problems.  
Fewer problems means greater peace of mind.

# 3F Linda LED Opal

Waterproof luminaire with high visual comfort for energy-efficient systems



## Construction characteristics

### Illuminotechnical characteristics

Diffused symmetric distribution.  
 Lifetime (L90/B10): 30000 h. (Tp 60°C)  
 Lifetime (L85/B10): 50000 h. (Tp 60°C)  
 Lifetime (L75/B10): 80000 h. (Tp 60°C)  
 Photobiological safety RG0 unlimited, risk absent, in compliance with IEC 62471, IEC/TR 62778.

### Mechanical characteristics

Housing in glazed self-extinguishing V2 polycarbonate, UV stabilised, injection moulded.  
 Ecologic anti-aging injected sealing gasket.  
 Diffuser in opal self-extinguishing V2 polycarbonate, UV stabilised, injection moulded.  
 Gear-tray reflector unit with reduced width to increase the indirect light, in hot-galvanised steel, painted in white polyester, fixed to the housing by means of steel rapid devices, hinged opening.  
 Snug fit snap-lock clips for diffuser mounting, in transparent polycarbonate, tamper-proof screwdriver opening.  
 Fixing brackets in stainless steel.

### Electrical characteristics

Electronic wiring 230V-50/60Hz.  
 In compliance with EN 60598-1.  
 Entry for power-supply cable in upper central part of body.

## Source characteristics

- Linear LED modules, CCT nominal color temperature 4000 K, color rendering index CRI >80.
- Color initial tolerance (MacAdam): 3.

## On request

- LED sources with different colour temperatures
- wiring: dimmable, class II, emergency wiring (only 24W and 30W)

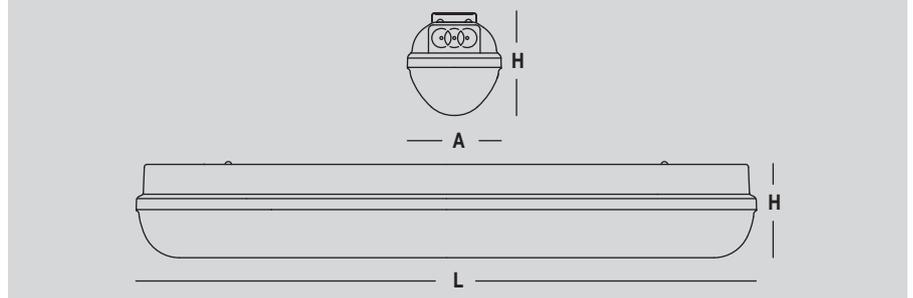
## Accessories

Accessories on page 334.

## Applications

Dry, dusty indoor environments, subject to occasional water splashes.  
 Environments: hospital premises, transit areas, large mirrors, stairwells.  
 Environments where soft diffuse light is required for optimal visual comfort.  
 Virtually in all environments compatibly with the use of any chemicals which could compromise the use of plastic materials.

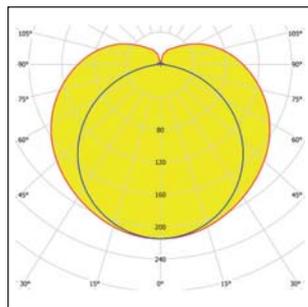
## Dimensions



# 3F Linda LED Opal

## 3F Linda LED Opal

Code 58748



E=100%



Snug fit snap-lock clips in transparent polycarbonate.

Code	Item	Absorbed power (W)	Output flux (lm)	Dimensions L x A x H
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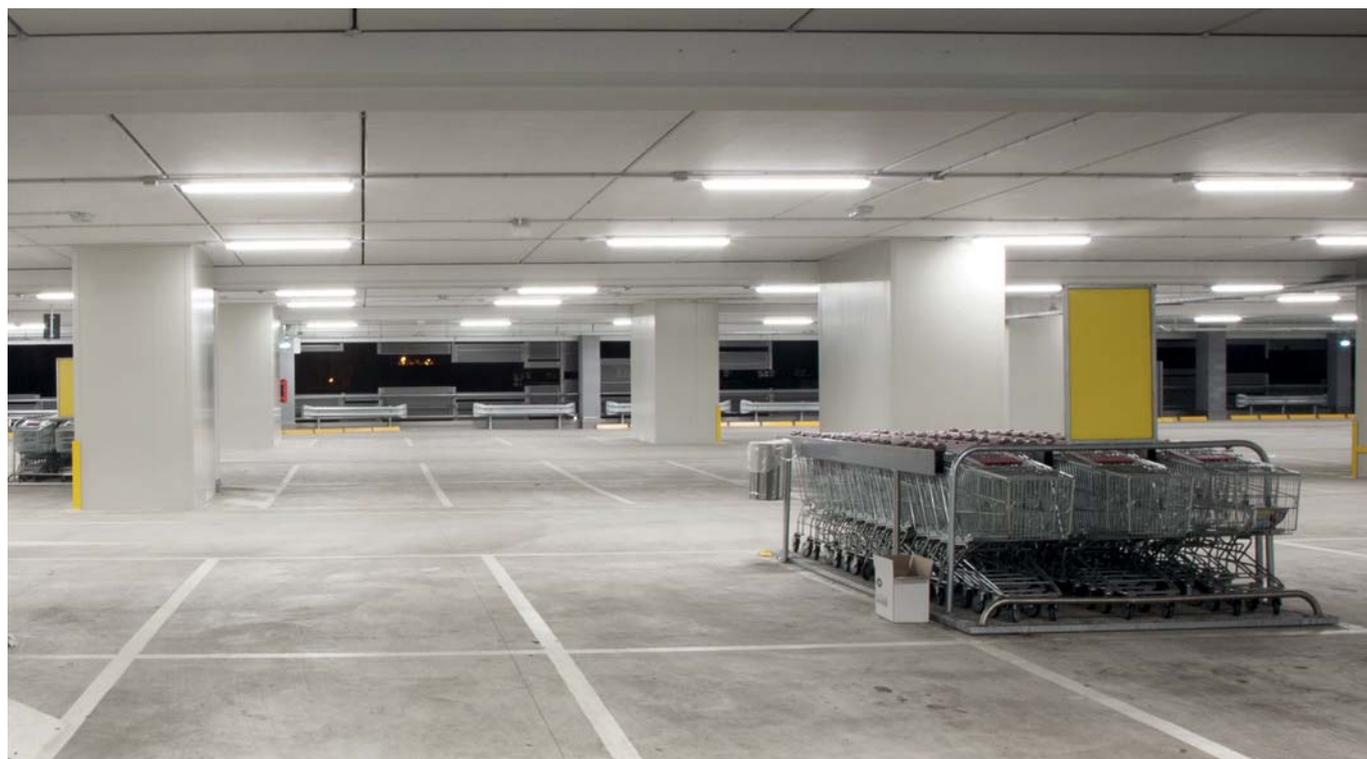
### Electronic

58742 <small>New</small>	3F Linda LED OP 1x12W L660	14.5	1575	660x100x100
58745 <small>New</small>	3F Linda LED OP 1x24W L1270	28	3155	1270x100x100
58748 <small>New</small>	3F Linda LED OP 1x30W L1570	34	3948	1570x100x100

Waterproof and  
corrosion-proof

# 3F Linda LED Transparent

Waterproof luminaire for low ceiling environment



## Construction characteristics

### Illuminotechnical characteristics

Controlled symmetric distribution.  
Lifetime (L90/B10): 30000 h. (Tp 60°C)  
Lifetime (L85/B10): 50000 h. (Tp 60°C)  
Lifetime (L75/B10): 80000 h. (Tp 60°C)  
Photobiological safety RG0 unlimited, risk absent, in compliance with IEC 62471, IEC/TR 62778.

### Mechanical characteristics

Housing in transparent self-extinguishing V2 polycarbonate, injection moulded. Ecologic anti-aging injected sealing gasket.  
Diffuser in self-extinguishing V2 polycarbonate, photo-engraved interior, UV stabilised, injection moulded with smooth outer surface.  
Gear-tray reflector unit in hot-galvanised steel, painted in white polyester, fixed to the housing by means of steel rapid devices, hinged opening.  
Snug fit snap-lock clips for diffuser mounting, in stainless steel, tamper-proof screwdriver opening.  
Fixing brackets in stainless steel.

### Electrical characteristics

Electronic wiring 230V-50/60Hz.  
In compliance with EN 60598-1.

## Source characteristics

- Linear LED modules, CCT nominal color temperature 4000 K, color rendering index CRI >80.
- Color initial tolerance (MacAdam): 3.

## On request

- LED sources with different colour temperatures
- wiring: dimmable, class II

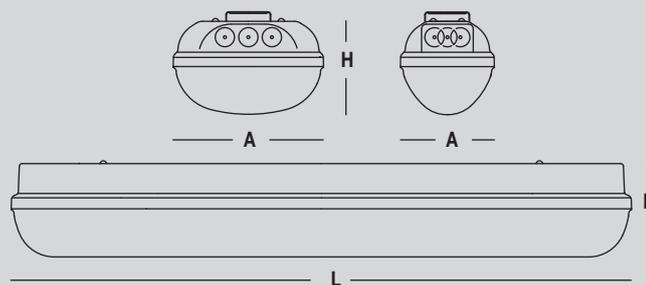
## Accessories

Accessories on page 334.

## Applications

Dry, dusty indoor environments, subject to occasional water splashes.  
Environments: transit areas, parking lots.  
Environments where soft diffuse light is required for optimal visual comfort.  
Virtually in all environments compatibly with the use of any chemicals which could compromise the use 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.

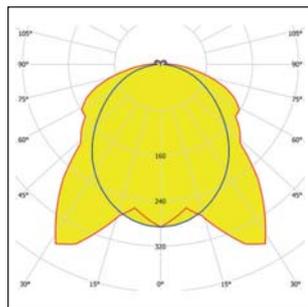
Dimensions



# 3F Linda LED Transparent

## 3F Linda LED Transparent

Code 58811



E=100%

Code	Item	Absorbed power (W)	Output flux (lm)	Dimensions L x A x H
<b>Electronic</b>				
58806	3F Linda LED Trasparente 1x12W L660	14.5	1885	660x100x100
58808	3F Linda LED Trasparente 1x24W L1270	28	3762	1270x100x100
58810	3F Linda LED Trasparente 1x30W L1570	34	4704	1570x100x100
58809	3F Linda LED Trasparente 2x24W L1270	56	7359	1270x160x100
58811	3F Linda LED Trasparente 2x30W L1570	68	9194	1570x160x100

Waterproof and  
corrosion-proof

# 3F Linda LED Ice

Watertight luminaire for refrigeration cells down to  $-30^{\circ}\text{C}$



## Construction characteristics

### Illuminotechnical characteristics

Controlled symmetric distribution.  
Lifetime (L90/B10): 30000 h. (Tp  $60^{\circ}\text{C}$ )  
Lifetime (L85/B10): 50000 h. (Tp  $60^{\circ}\text{C}$ )  
Lifetime (L75/B10): 80000 h. (Tp  $60^{\circ}\text{C}$ )  
Photobiological safety RG0 unlimited, risk absent, in compliance with IEC 62471, IEC/TR 62778.

### Mechanical characteristics

Self-extinguishing V2 polycarbonate housing, injection moulded, RAL 7035 grey. Ecologic anti-aging injected sealing gasket.  
Diffuser in self-extinguishing V2 polycarbonate, photo-engraved interior, UV stabilised, injection moulded with smooth outer surface.  
Gear-tray reflector unit in hot-galvanised steel, painted in white polyester, fixed to the housing by means of steel rapid devices, hinged opening.  
Snug fit snap-lock clips for diffuser mounting, in stainless steel, tamper-proof screwdriver opening.  
Fixing brackets in stainless steel.

### Electrical characteristics

Electronic wiring 230V-50/60Hz, fuse. L-N-E line terminal block with ceramic isolator protection powder-filled fuse, rapid type, 5x20 mm, of suitable capacity, breaking capacity 1500 A.  
Solid single-core silicone rubber insulated wiring cable with fiberglass braid type UG4T2/2 cross section  $0.75\text{ mm}^2$ .  
In compliance with EN 60598-1.

## Source characteristics

- Linear LED modules UR95, CCT nominal color temperature 4000 K, color rendering index CRI  $>80$ .
- Color initial tolerance (MacAdam): 3.

## Accessories

Accessories on page 334.

## Applications

Cells with temperature from  $-30^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$  with a humidity degree up to 95%.  
Before installation, we recommend checking that there are no contraindications to the use of and polycarbonate inside the refrigerating room.

## Installation

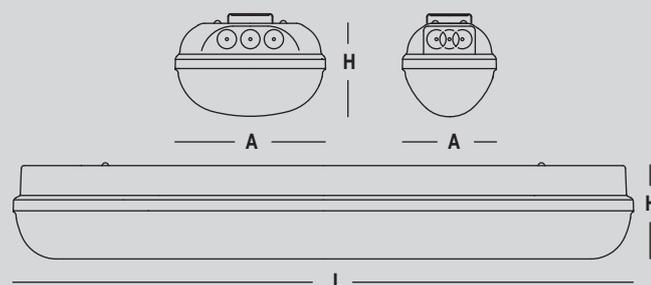
Thanks to new 3F LED technology, the advantages of using 3F Linda LED ICE technology are manifold:

- switch-on time less than 5 seconds
- unlimited on cycles
- lifetime of LED source does not decline in relation to the number of on cycles

All this results in cost reductions thanks to:

- power consumption lower than for fluorescent versions
- no heat transfer from the luminaire to the cooled environment

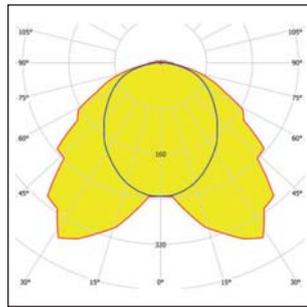
Dimensions



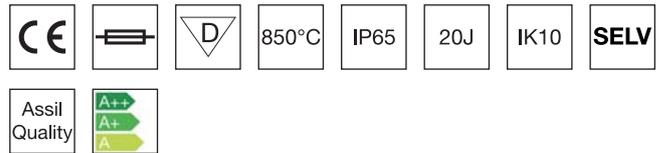
# 3F Linda LED Ice

## 3F Linda LED Ice 1x

Code 58461



E=100%



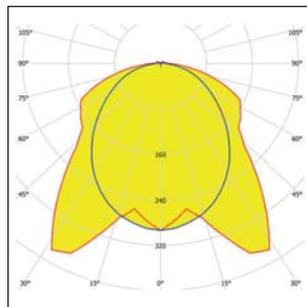
Code	Item	Absorbed power (W)	Output flux (lm)	Dimensions L x A x H
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### Electronic

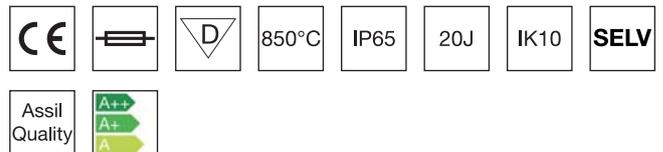
58457	3F Linda LED Ice 1x24W UR95 L1270	28	3736	1270x100x100
58461	3F Linda LED Ice 1x30W UR95 L1570	34	4672	1570x100x100

## 3F Linda LED Ice 2x

Code 58463



E=100%



Code	Item	Absorbed power (W)	Output flux (lm)	Dimensions L x A x H
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### Electronic

58459	3F Linda LED Ice 2x24W UR95 L1270	56	7282	1270x160x100
58463	3F Linda LED Ice 2x30W UR95 L1570	68	9098	1570x160x100

# 3F Linda LED Sensor

Waterproof luminaire with integrated presence sensor for energy-efficient systems



## Construction characteristics

### Illuminotechnical characteristics

Controlled symmetric distribution.  
Lifetime (L90/B10): 30000 h. (Tp 60°C)  
Lifetime (L85/B10): 50000 h. (Tp 60°C)  
Lifetime (L75/B10): 80000 h. (Tp 60°C)  
Photobiological safety RG0 unlimited, risk absent, in compliance with IEC 62471, IEC/TR 62778.

### Mechanical characteristics

Self-extinguishing V2 polycarbonate housing, injection moulded, RAL 7035 grey. Ecologic anti-aging injected sealing gasket.

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

Gear-tray reflector unit in hot-galvanised steel, painted in white polyester, fixed to the housing by means of steel rapid devices, hinged opening.

Snug fit snap-lock clips for diffuser mounting, in stainless steel, tamper-proof screwdriver opening.  
Fixing brackets in stainless steel.

### Electrical characteristics

Electronic wiring 230V-50/60Hz.  
In compliance with EN 60598-1.  
On board DALI light sensor (no cables to be added).

Sensor mode: turns on and off depending on light level and presence of persons.  
CF Corridor function: even with the environment free of people, the luminous flux is maintained at 10%.

## Source characteristics

- Linear LED modules, CCT nominal color temperature 4000 K, color rendering index CRI >80.
- Color initial tolerance (MacAdam): 3.

## On request

- LED sources with different colour temperatures
- wiring: emergency

## Accessories

Accessories on page 334.

## Applications

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

Environments: transit areas, parking lots. Virtually in all environments compatibly with the use of any chemicals which could compromise the use 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.

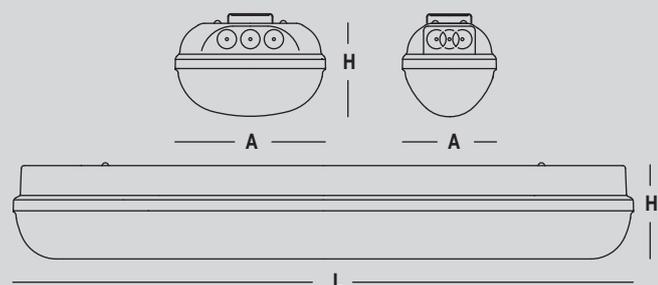
Not suitable for installation on surfaces subject to strong vibrations, exposed to the elements, on cables or poles.

For specific applications please contact our technical offices.

## Light Management

For more information on 3F Sensor technology, refer to the specific chapter in the "Light Management" section.

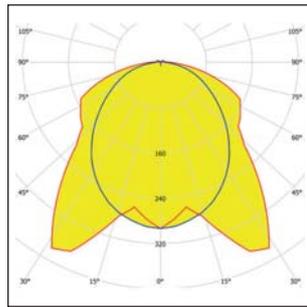
Dimensions



# 3F Linda LED Sensor

## 3F Linda LED Sensor

Code 58642



E=100%



Integrated presence sensor with ON/OFF function.  
Snug fit snap-lock clips in stainless steel.

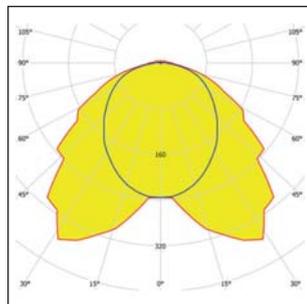
Code	Item	Absorbed power (W)	Output flux (lm)	Dimensions L x A x H
------	------	--------------------	------------------	----------------------

### Electronic

58638	3F Linda LED 1x30W Sensor L1570	34	4672	1570x100x100
58642	3F Linda LED 2x30W Sensor L1570	68	9098	1570x160x100

## 3F Linda LED Sensor CF

Code 58645



E=100%



Integrated presence sensor with Corridor Function mode.  
Snug fit snap-lock clips in stainless steel.

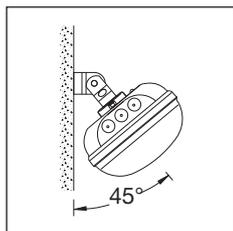
Code	Item	Absorbed power (W)	Output flux (lm)	Dimensions L x A x H
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### Electronic

58645	3F Linda LED 1x30W Sensor CF L1570	34	4672	1570x100x100
58649	3F Linda LED 2x30W Sensor CF L1570	68	9098	1570x160x100

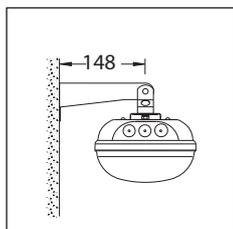
# 3F Linda

## Accessories



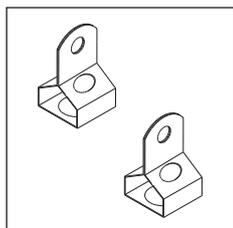
Pair of brackets and hooks in stainless steel, with nuts and bolts for fixing to 3F Linda, for ceiling or wall-mounting, single and twin-lamp luminaires.  
Minimum tilt angle = 45°.

Code	Item
A0449	15 GZI (w/brack. Linda L300)
A0450	15 RIT (w/brack.+ hooks Linda L660-1270-1570)



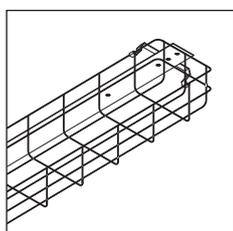
Pair of brackets and hooks in stainless steel, with nuts and bolts for fixing to 3F Linda, for wall-mounting, single and twin-lamp luminaires.

Code	Item
A0451	15 MBI (w/brack. Linda L300)
A0452	15 FBR (w/brack.+ hooks Linda L660-1270-1570)



Pair of stainless steel hooks for suspended installation, with cable clip and nuts and bolts for installation to 3F Linda.

Code	Item
A0462	13 GSI (pair of susp. hooks Linda L300)
A0463	13 TRM (pair of susp. hooks Linda L660-1270-1570)



Wire-guard for applications in dry environments, against shocks coming from any directions, galvanized steel rod Ø 5 mm.

Code	Item
A0455	Wire guard 180x1330 03F/Linda
A0456	Wire guard 180x1330 03F/Linda
A0457	Wire guard 280x1330 03F/Linda/Beta
A0458	Wire guard 280x1630 03F/Linda/Beta

Only for luminaires fixed without hooks.

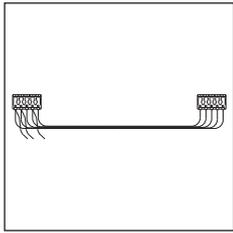


Snug fit snap-lock clips for diffuser mounting, in stainless steel, tamper-proof opening.

Code	Item
A0160	Inox clips 3F Linda L660-4pcs
A0161	Inox clips 3F Linda L1270-8pcs
A0162	Inox clips 3F Linda L1570-10pcs

# 3F Linda

## Accessories



5-pole cascade connection line, rigid H07V2-U cable, HT 90°C, 1.5 mm<sup>2</sup>, terminal blocks with connection capacity 2x2.5 mm<sup>2</sup>.

Code	Item
A0447	3F Linda though line L1570

For all 3F Linda, except models: Transparent, OP and Basic.



Anti-condensation diffuser cable gland.

Code	Item
A0187	Anti-condensation cable gland

Recommended for installations in environments with temperature sudden changes or subject to condensation.



Pictograms for warning signs to be applied on emergency luminaire's diffusers 160 mm wide. Pictogram, 135 mm high, 240 mm long for 11W, 605 mm long for 18W. Pictograms complying with European standards concerning health and safety signals on the workplace.

Code	Item
A0464	26 CSG (pictogram P1 Linda L300)
A0465	26 MTH (pictogram P1 Linda L660)



Pictograms for warning signs to be applied on emergency luminaire's diffusers 160 mm wide. Pictogram, 135 mm high, 240 mm long for 11W, 605 mm long for 18W. Pictograms complying with European standards concerning health and safety signals on the workplace.

Code	Item
A0466	26 DVI (pictogram P2 Linda L300)
A0467	26 MVL (pictogram P2 Linda L660)



Pictograms for warning signs to be applied on emergency luminaire's diffusers 160 mm wide. Pictogram, 135 mm high, 240 mm long for 11W, 605 mm long for 18W. Pictograms complying with European standards concerning health and safety signals on the workplace.

Code	Item
A0468	26 GZM (pictogram P3 Linda L300)
A0469	26 PXN (pictogram P3 Linda L660)



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