

## 3F LINDA



### Technical Features

- Luminaires for fluorescent lamps T26, T16 and compact TC-S (G23), TC-SEL (2G7).
- Ecologic anti-aging injected sealing gasket.
- Gear-tray reflector unit in hot-galvanized steel, painted in white polyester, fixed to the housing by means of steel rapid devices, hinged opening.
- Snug fit snap-lock clips in polycarbonate or in stainless steel for diffuser mounting.
- Stainless steel fixing brackets, 11W versions excluded.
- Connection for operation on 230V-50Hz with conventional ballast and power factor correction capacitor (lamps T26, TC-S)
- Connection for operation on 230V-50/60Hz with electronic ballast (lamps T26, T16, TC-SEL).
- Connection for operation with electronic ballast dimmable (lamps T26, T16, TC-SEL).
- Connection for emergency lighting system (lamps T26, T16, TC-SEL).

### Upon request



#### 3F Linda **explosion-proof**

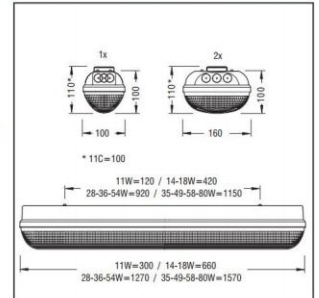
Luminaires with electronic ballast, in compliance with 94/9/CE (ATEX), group II, category 3D, for Zone 22.

3F LINDA

3F LINDA



- Diffuse lighting with symmetrical distribution.
- Self-extinguishing V2 polycarbonate housing, injection moulded, grey (RAL 7035).
- Diffuser in transparent self-extinguishing V2 polycarbonate, UV stabilised, injection moulded, with smooth outer surface and differentiated prismatic inner surface.
- Snug fit snap-lock clips in polycarbonate.



Description	Conventional Ballast and capacitor Code	Electronic Ballast Code
3F Linda 1x18W T26	511012	511013
3F Linda 1x36W T26	511112	511113
3F Linda 1x58W T26	511152	511153
3F Linda 2x18W T26	511022	511023
3F Linda 2x36W T26	511122	511123
3F Linda 2x58W T26	511162	511163
<b>Single-lamp version with width of 160mm</b>		
3F Linda 1x18W T26 LA		
3F Linda 1x36W T26 LA		
3F Linda 1x58W T26 LA		
3F Linda 1x11W LA TC-S / TC-SEL		
3F Linda 1x13/14W T16		511173
3F Linda 1x20/24W T16		511273
3F Linda 1x25/28W T16		511233
3F Linda 1x50/54W T16		511353
3F Linda 1x32/35W T16		511253
3F Linda 1x45/49W T16		511333
3F Linda 1x73/80W T16		511393
3F Linda 2x13/14W T16		511183
3F Linda 2x20/24W T16		511283
3F Linda 2x25/28W T16		511243
3F Linda 2x32/35W T16		511263
3F Linda 2x45/49W T16		511343
3F Linda 2x50/54W T16		511363
<b>3F Linda Compact</b>		
3F Linda 1x11W TC-S / TC-SEL	511772	511773
3F Linda 2x11W TC-S / TC-SEL	511782	511783

3F LINDA

3F LINDA TRANSPARENT



CE F ENEC IP 65

850° C

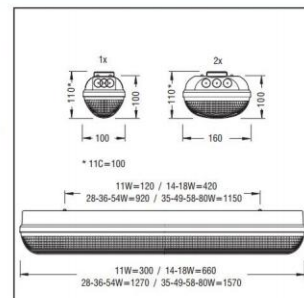
6,5 J

T16 / G5 T26 TC-S TC-SEL

OSRAM: T5 PHILIPS: TL5 OSRAM: T8 PHILIPS: TL-D OSRAM: DULUX S PHILIPS: PL-S OSRAM: DULUX SE PHILIPS: PL-S/SE

2x E ≥ 90%

- Direct/Indirect diffuse symmetrical light distribution.
- Housing in transparent self-extinguishing V2 polycarbonate, UV stabilised, injection moulded.
- Diffuser in transparent self-extinguishing V2 polycarbonate, UV stabilised, injection moulded, with smooth outer surface and differentiated prismatic inner surface.
- Snug fit snap-lock clips in polycarbonate.



Description	Conventional Ballast and capacitor Code	Electronic Ballast Code
3F Linda Transparent 1x18W T26	513012	513013
3F Linda Transparent 1x36W T26	513112	513113
3F Linda Transparent 1x58W T26	513152	513153
3F Linda Transparent 2x36W T26	513122	513123
3F Linda Transparent 2x58W T26	513162	513163
3F Linda Transparent 1x13/14W T16		513173
3F Linda Transparent 1x25/28W T16		513233
3F Linda Transparent 1x45/49W T16		513333
3F Linda Transparent 2x25/28W T16		513243
3F Linda Transparent 2x45/49W T16		513343
<b>3F Linda Compact</b>		
3F Linda Transparent 1x11W TC-S / TC-SEL	513772	
3F Linda Transparent 2x11W TC-S / TC-SEL	513782	

3F LINDA INOX



CE F ENEC IP 65

850° C

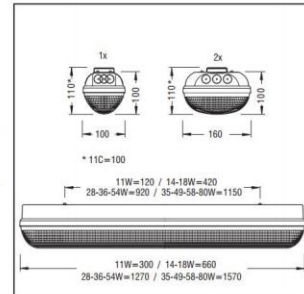
6,5 J

T16 / G5 T26

OSRAM: T5 PHILIPS: TL5 OSRAM: T8 PHILIPS: TL-D

2x E ≥ 90%

- Diffuse lighting with symmetrical distribution.
- Self-extinguishing V2 polycarbonate housing, injection moulded, grey (RAL 7035).
- Diffuser in transparent self-extinguishing V2 polycarbonate, UV stabilised, injection moulded, with smooth outer surface and differentiated prismatic inner surface.
- Snug fit snap-lock clips in stainless steel for diffuser mounting, tamper-proof opening.



Description	Conventional Ballast and capacitor Code	Electronic Ballast Code
3F Linda Inox 1x18W T26	512012	512013
3F Linda Inox 1x36W T26	512112	512113
3F Linda Inox 1x58W T26	512152	512153
3F Linda Inox 2x18W T26	512022	512023
3F Linda Inox 2x36W T26	512122	512123
3F Linda Inox 2x58W T26	512162	512163
<b>Single-lamp version with width of 160mm</b>		
3F Linda Inox 1x18W T26 LA		
3F Linda Inox 1x36W T26 LA		
3F Linda Inox 1x58W T26 LA		
3F Linda Inox 1x13/14W T16		512173
3F Linda Inox 1x20/24W T16		512273
3F Linda Inox 1x25/28W T16		512233
3F Linda Inox 1x50/54W T16		512353
3F Linda Inox 1x32/35W T16		512253
3F Linda Inox 1x45/49W T16		512333
3F Linda Inox 1x73/80W T16		512393
3F Linda Inox 2x13/14W T16		512183
3F Linda Inox 2x20/24W T16		512283
3F Linda Inox 2x25/28W T16		512243
3F Linda Inox 2x32/35W T16		512263
3F Linda Inox 2x45/49W T16		512343
3F Linda Inox 2x50/54W T16		512363

## LUMINAIRES WITH EXTRA PROTECTION

### 3F LINDA

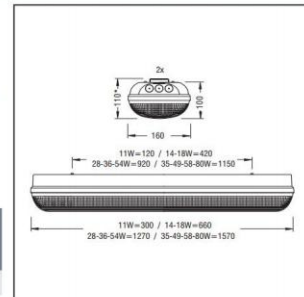
#### 3F LINDA COMPACT EMERGENCY (Non-maintained operation)



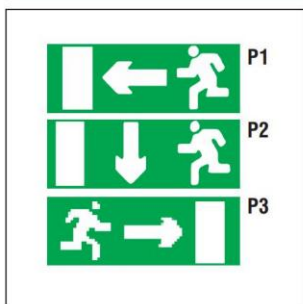
CE	F	IP 65
850° C	6,5 J	
TC-S		
OSRAM: DULUX S PHILIPS: PL-S		
2x E ≥ 20W		

- Self-extinguishing V2 polycarbonate housing, injection moulded, grey (RAL 7035).
- Diffuser in transparent self-extinguishing V2 polycarbonate, UV stabilised, injection moulded, with smooth outer surface and differentiated prismatic inner surface.
- Snug fit snap-lock clips in stainless steel for diffuser mounting, tamper-proof opening (excluded).

Description	Electronic Ballast Code
3F LINDA 1x11W ENP	3F5257
3F LINDA 1+1x11W ENP	3F5259



#### 3F LINDA - PICTOGRAMS FOR WARNING SIGNS




- Pictogram signs for fitting to the diffusers of emergency units 160mm wide. Pictogram, 135mm high, 240mm long for 11W, 605mm long for 18W. Pictograms complying with European standards D.Lgs 493/96, concerning health and safety signals on the workplace.

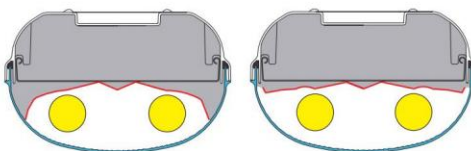
Code	Description		
501901	<b>P1</b>	26CSG	for lum. 11W wide 160mm
501904		26MTH	for lum. 18W wide 160mm
501902	<b>P2</b>	26DVI	for lum. 11W wide 160mm
501905		26MVL	for lum. 18W wide 160mm
501903	<b>P3</b>	26GZM	for lum. 11W wide 160mm
501906		26PXN	for lum. 18W wide 160mm

### 3F LINDA - RECUPERATORS

Using the parabolic flow recuperators, in high-reflecting aluminium for T8 lamps and in specular aluminium with titanium-magnesium treatment for T5 lamps, the luminaire's efficiency is **increased up to over 20% in the work areas and lighting** is optimized, resulting in energy saving and lower system running costs.

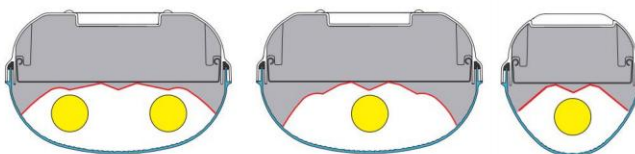
#### Wide recuperators

For use in rooms with height range from 3m to 6m.



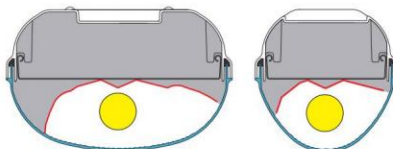
#### Concentrated recuperators

For use in rooms with height exceeding 4m or where superior-quality illumination is required.



#### Asymmetric recuperators

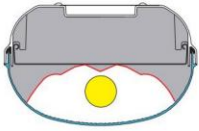
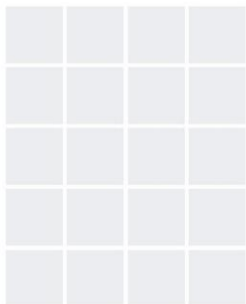

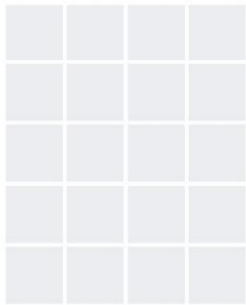
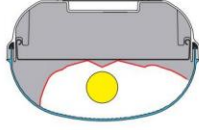
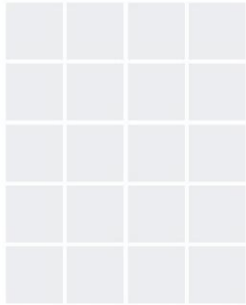
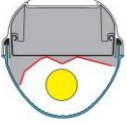
For use in rooms where there is a need for precise focusing of the luminous-flow on the working area.



### 3F LINDA - RECUPERATORS

		<p>- Parabolic flow recuperator for wide direct distribution, for luminaires 160mm wide.</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> <th></th> </tr> </thead> <tbody> <tr> <td>501201</td> <td>16CLE</td> <td>for lum. 2x18W T26</td> </tr> <tr> <td>501202</td> <td>16MRA</td> <td>for lum. 2x36W T26</td> </tr> <tr> <td>501203</td> <td>16GPA</td> <td>for lum. 2x58W T26</td> </tr> <tr> <td>501222</td> <td>16PSG</td> <td>for lum. 2x13/14W T16</td> </tr> <tr> <td>501223</td> <td>16RTA</td> <td>for lum. 2x25/28W T16</td> </tr> <tr> <td>501224</td> <td>16BMT</td> <td>for lum. 2x32/35-45/49W T16</td> </tr> </tbody> </table>	Code	Description		501201	16CLE	for lum. 2x18W T26	501202	16MRA	for lum. 2x36W T26	501203	16GPA	for lum. 2x58W T26	501222	16PSG	for lum. 2x13/14W T16	501223	16RTA	for lum. 2x25/28W T16	501224	16BMT	for lum. 2x32/35-45/49W T16	
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3F LINDA - RECUPERATORS

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### 3F LINDA - ACCESSORIES

#### 3F LINDA - SUSPENSION



- Suspension installation with hooks or chains, 3F Linda 18-36-58W T26, 13/14-25/28-32/35-45/49-50/54-73/80W T16
- Pair of stainless steel springs, for quick installation.

Code	Description
501307	0484 13ELB

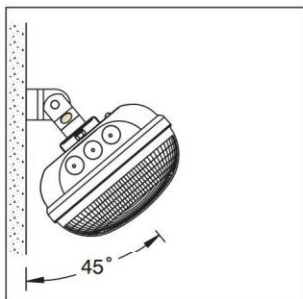
#### 3F LINDA - SUSPENSION



- Suspension 3F Linda T26 & 3F Linda T16
- Quick connection hook in stainless steel.

Code	Description
501305	13GSI for lum. 11W TC-S / TC-SEL
501306	13TRM for lum. 18-36-58W T26 & 13/14-25/28-32/35-45/49-50/54-73/80W T16

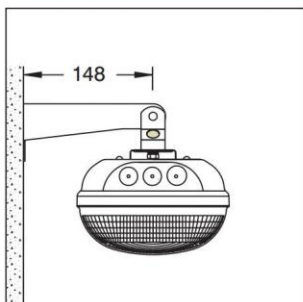
#### 3F LINDA - BRACKETS & HOOKS



- 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	Description
501301	15GZI for lum. 11W TC-S / TC-SEL
501302	15RIT for lum. 18-36-58W T26 & 13/14-25/28-32/35-45/49-50/54-73/80W T16

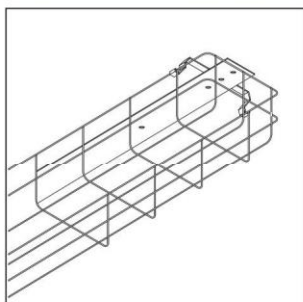
#### 3F LINDA - BRACKETS & HOOKS



- 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	Description
501303	15MBI for lum. 11W TC-S / TC-SEL
501304	15FBR for lum. 18-36-58W T26 & 13/14-25/28-32/35-45/49-50/54-73/80W T16

#### 3F LINDA - WIRE-GUARD



- Wire-guard for applications in dry environments, against shocks coming from any directions, in galvanized steel rod Ø5mm.

Code	Description	Dimensions
201302	12 AZ (for lum. 36W T26, 25/28-50/54W T16)	180 x 1320 x 130
201301	12 BX (for lum. 36W T26, 25/28-50/54W T16)	280 x 1330 x 130
201303	12 IA (for lum. 58W T26, 32/35-45/49-73/80W T16)	180 x 1630 x 130
201304	12 LB (for lum. 58W T26, 32/35-45/49-73/80W T16)	280 x 1630 x 130

### 3F LINDA - INSTALLATION

3F Linda allows for quick and safe installation with various fixing methods.



Tamper-proof diffuser opening can be realized by means of a screwdriver.



Closing the diffuser is easy and quick thanks to the centring aids on housing and the side snap-lock clips that just need to be pressed.

### Quick guide to lighting design

Area lit by a single 3F Linda luminaire (in m <sup>2</sup> )										
Installation height		3 metres			5 metres			7 metres		
Surface of room to be lit	Power of luminaire to install	Illumination in Lux			Illumination in Lux			Illumination in Lux		
		100	200	300	100	200	300	100	200	300
from 5 to 30m <sup>2</sup>	1x36	9.6								
	1x58		7.4							
	2x36		9.2	6.2						
	2x36+16 MRA		9.8	6.5	11					
	2x58			9.2	15.2	7.6				
	2x58+16 GPA			9.8	16.4	8.2	5.5			
	2x58+16 LZC				18	9	6			
from 50 to 70m <sup>2</sup>	1x36	12.6	6.3							
	1x58		9.4							
	2x36			8						
	2x36+16 MRA			8.5						
	2x36+16 REC				15.8	7.9				
	2x58			12	20	10				
	2x58+16 GPA				22.3	11.1	7.4	17.1	8.6	5.7
	2x58+16 LZC					12.2	8	17.9	9	6
from 100 to 200m <sup>2</sup>	1x36	15	7.5							
	1x58		11.3	7.5						
	2x36			9.5						
	2x36+16 MRA			9.8						
	2x36+16 REC				21.4	10.7				
	2x58				28.3					
	2x58+16 GPA				32.1	16	10.7	24.2	12.1	8.1
		2x58+16 LZC				16.8	11.2	25	12.5	8.4