



# LED

**VLUX**

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# LUX



## technical data type ELX

**Housing:** Grey PC base / frosted Diffuser (co-extrusion)  
Glued endcaps also in PC (Polycarbonate).

Always with stainless steel suspension brackets.

- **Optional:** - complete PC frosted housing.
- triangles for suspension.
- venting cable gland (membrane) for applications < 0°C.

**Quick Connectors:** Adels, MPM, Wieland or Stucchi.

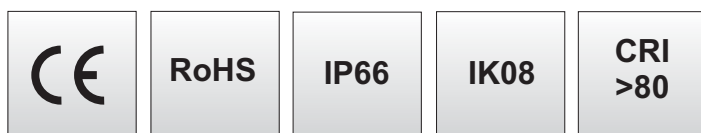
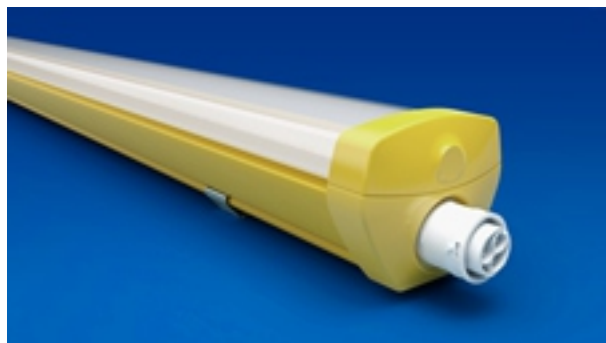
**The luminaire is “sealed for life”  
and can not be opened.**

### Specifications:

- Product life min. 50.000h L80 B10 at Ta.max  
or 70.000h L70 B10 at Ta.max.
- Available in 3000K, 4000K, 5000 and 6500K  
with CRI of min.80
- MacAdam 3 SDCM
- Luminous efficiency: LER frosted diff.  
up to \*\* 160 lm/W.
- 220-240V 0/50/60 Hz. (also DC for CBS)
- Ta: -20°C/Ta.max.
- **Optional :** - 1-10V and DALI.
- Trough-wiring 1 phase or 3 phase.  
(This will influence the Ta.max.)
- CRI min.90 (930, 940) correction factor 0,85.  
(on demand)



Model	Art.	Length	Power*	Flux**	Ta.max.
<b>600</b>	Z	620 mm	9 W	1200 lm	40°C
	R		14 W	2130 lm	35°C
<b>1200</b>	U	1190 mm	16 W	2400 lm	35°C
	S		27 W	4340 lm	43°C
	H		40 W	5830 lm	36°C
<b>1500</b>	V	1490 mm	20 W	3000 lm	45°C
	T		34 W	5440 lm	43°C
	I		49 W	7290 lm	36°C
	X		55 W	8120 lm	28°C



03/09/2020

\* Total power consumption of LED's and driver.

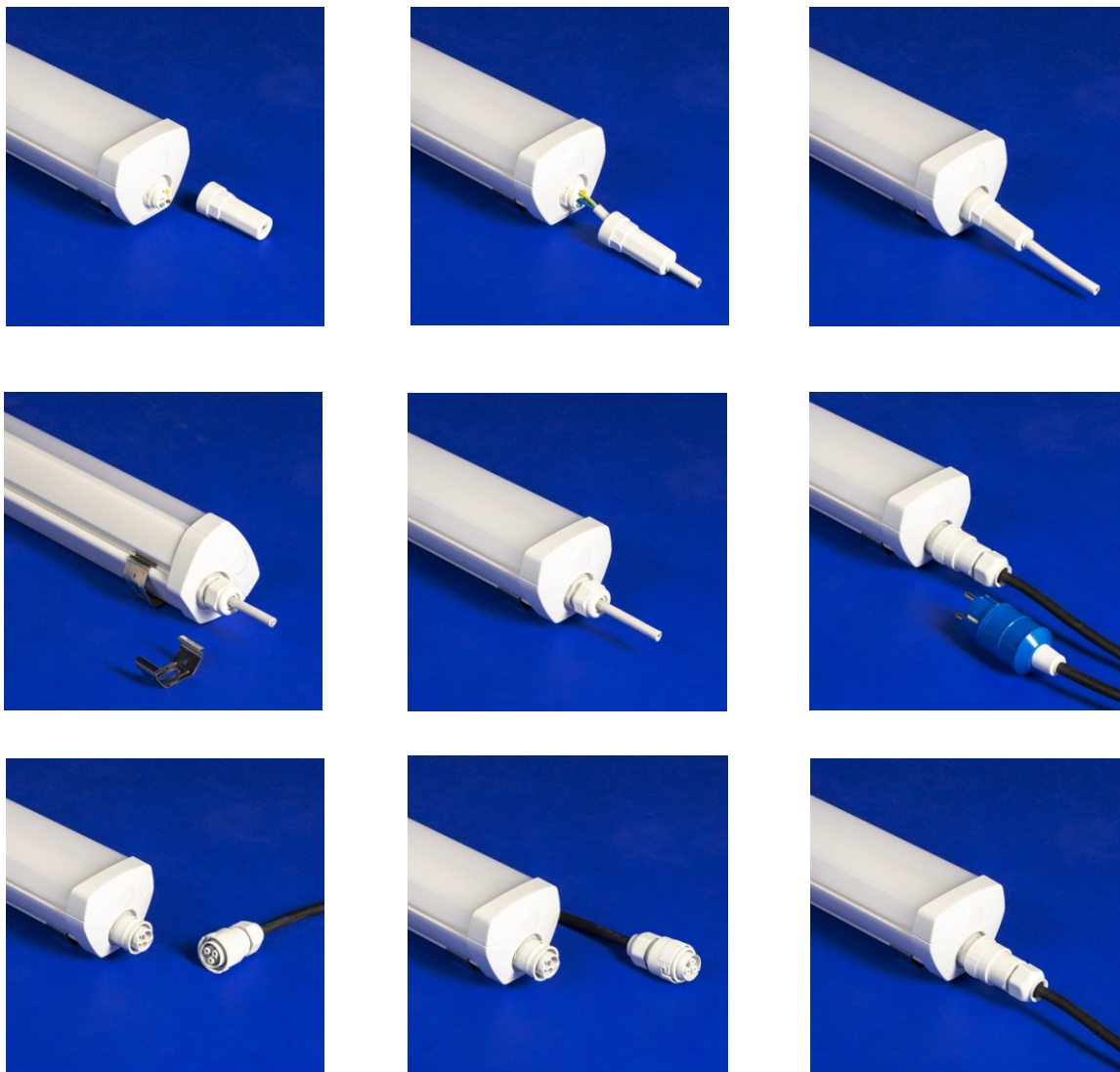
\*\* Luminous flux of fitting @ 25°C for 840.  
(correction factor 0.95 for 830)

Luminous output and electrical load  
have an initial tolerance of  
+/- 10 % from nominal.



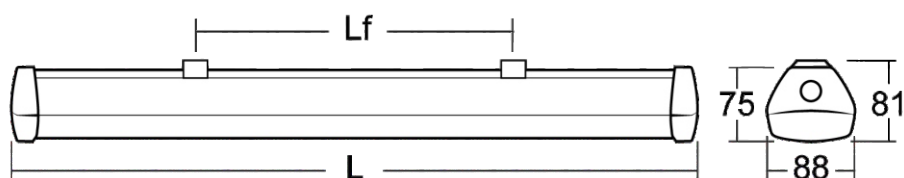


## technical data type **ELX**



**Impact strenght data of diffuser :** diffuser in PC > 6 NM (IK08)

**PHILIPS (SIGNIFY) inside :** Fortimo LED line 3R/ Strip 1R - Xitanium driver



Lf : adjustable distance of mounting brackets.

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## technical data type **ELX** **Ecoline**

**Housing:** Frosted PC material.

Always with stainless steel suspension brackets.

**Quick connectors:**

Adels, MPM, Wieland or Stucchi.

**Specifications:**

- Product life min. 50.000h L80 B10 at 25°C  
or 35.000h L70 B10 (Ta.max.)

- Available in 3000K, 4000K, 6500K  
with CRI of min.80

- MacAdam 3 SDCM

- Luminous efficiency: LER frosted diff.  
up to \*\* 131 lm/W.

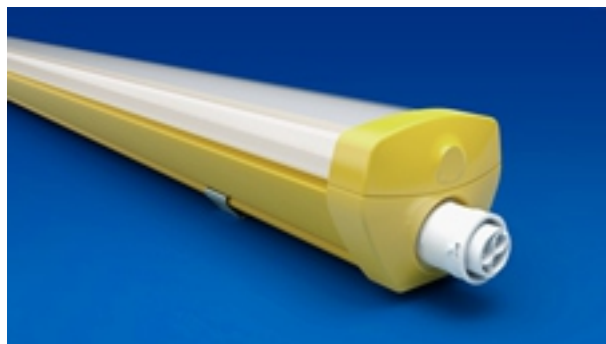
- 220-240V 50/60 Hz.

- Ta: -15°C/+45°C

- **Optional :** - 1-10V and DALI.  
- Trough-wiring 1 phase or 3 phase.  
(This will influence the Ta.max.)  
- Version for CBS (DC).



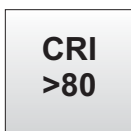
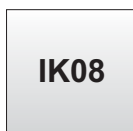
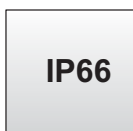
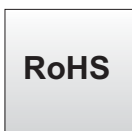
Model	Art.	Length	Power*	Flux**	Ta.max.
<b>600</b>	Z	620 mm	12 W	1500 lm	45°C
	Z		21 W	2560 lm	35°C
<b>1200</b>	Q	1190 mm	28 W	3780 lm	45°C
	O		39 W	5130 lm	35°C
<b>1500</b>	W	1490 mm	35 W	4575 lm	45°C
	P		49 W	6420 lm	35°C



\* Total power consumption of LED's and driver.

\*\* Luminous flux of fitting @ 25°C for 840.  
(correction factor 0.95 for 830)

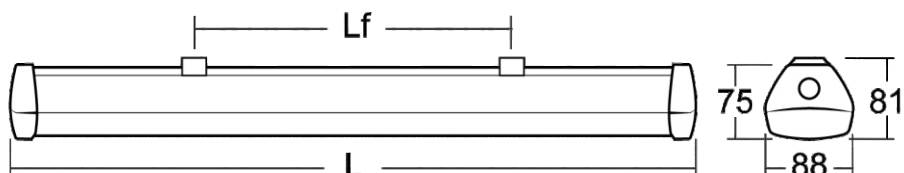
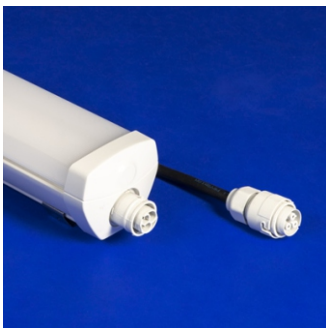
Luminous output and electrical load  
have an initial tolerance of  
+/- 10 % from nominal.





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## technical data type **ELX** **Ecoline**



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## technical data type FUTURIX LED

**Base:** Glass reinforced polyester,  
Compression moulded (GRP).

- **Optional :** - Stainless steel suspension bracket.
- Grey PC base (instead of GRP)  
always with stainless steel suspension brackets.
- Free fix mounting bracket, only for wide housings.  
Installer can choose for any position and they give 100% safety. (IK10 – for PC/PC version)
- Wieland, Adels, Stucchi connector.  
MPM connector only wide housings.
- EPDM sealing (instead of PU)

**Diffuser:** special frosted polycarbonate for a smooth uniform lighting.

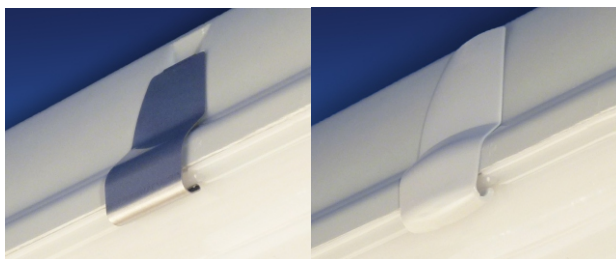
- **Optional :** - Clear PC diffuser: 105% lumen output.
- Acrylic frosted diffuser (PMMA).

**Gear tray:** white painted steel.

**Clips:** 1-part stainless steel clips

- **Optional :** 1-part polycarbonate clips

**UL** version available for delivery in components.



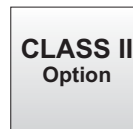
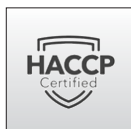
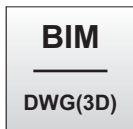
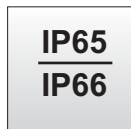
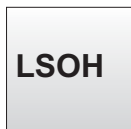
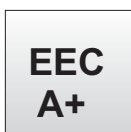
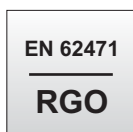
Stainless steel clip

Polycarbonate clip  
(optional)



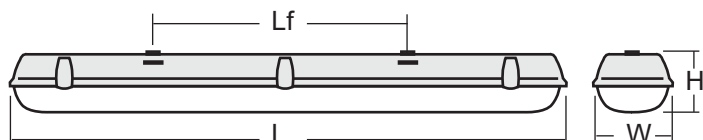
### Specifications:

- Product life min. 50.000h L80 B10 at Ta.max  
or 70.000h L70 B10 at Ta.max.
- **Optional :** 100.000h L80 B50 / 50.000h L90 B10
- Available in 3000K, 4000K, 5000K and 6500K  
with CRI of > 80
- MacAdam 3 SDCM
- Luminous efficiency:  
LER frosted diff. up to 160 lm/W.
- 220-240V 0/50/60 Hz. (also DC for CBS)
- Ta: -20°C/Ta.max.
- HACCP (certificated for food industry)
- **Optional :-** 1-10V and DALI.
  - Emergency (not 118)  
(EM Self-test not for 76W)
  - Sensor
  - Trough-wiring 1 phase or 3 phase.  
(This will influence the Ta.max.)
  - CRI min. 90 (930, 940) correction





## technical data type FUTURIX LED



Housing	L	W*	H	Lf	Clips	Kg
118	665	84	98,5	400	6	1,5
136	1275	84	98,5	800	8	1,8
158	1575	84	98,5	1100	10	2,2
218	665	134	98,5	400	6	2,0
236	1275	134	98,5	800	8	2,9
258	1575	134	98,5	1100	10	3,8

\*Dimensions without clips

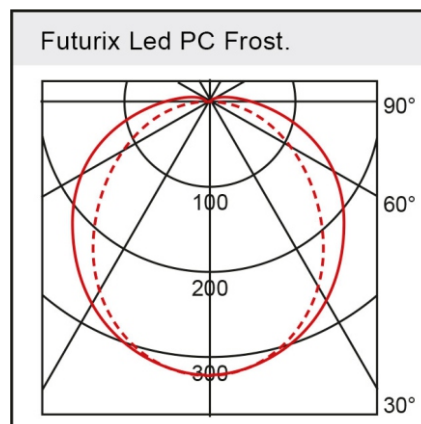
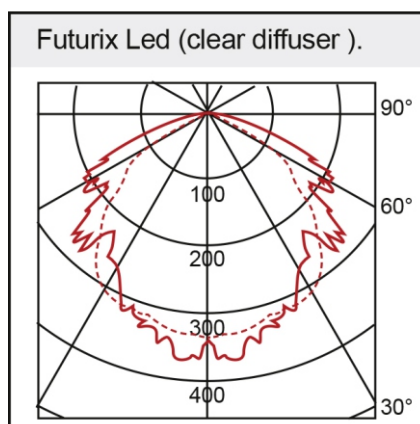
**Impact strength data:** body in PC and diffuser in PC + free fix bracket (IK10)  
body in GRP and diffuser in PC > 6 Nm (IK08)  
body in GRP and diffuser in PMMA > 0,22 Nm (IK02)

**PHILIPS (SIGNIFY) Inside:** Fortimo LED line 3R / Strip 1R - Xitanium driver.

**Tolerance on Lf:** GRP +/- 2 cm with optional bracket.  
PC +/- 4 cm always with bracket.



Free fix bracket.



## technical data type FUTURIX LED

Housing	Art.	Power*	LED	Flux**	Ta.max.
<b>118</b>	<b>Z</b>	<b>9 W</b>	<b>1R</b>	<b>1200 lm</b>	<b>40°C</b>
	<b>R</b>	<b>14 W</b>	<b>1R</b>	<b>2130 lm</b>	<b>35°C</b>
<b>136</b>	<b>U</b>	<b>16 W</b>	<b>1R</b>	<b>2400 lm</b>	<b>35°C</b>
	<b>S</b>	<b>27 W</b>	<b>1R</b>	<b>4340 lm</b>	<b>40°C</b>
	<b>H</b>	<b>40 W</b>	<b>1R</b>	<b>5830 lm</b>	<b>40°C</b>
<b>158</b>	<b>V</b>	<b>20 W</b>	<b>1R</b>	<b>3000 lm</b>	<b>45°C</b>
	<b>T</b>	<b>34 W</b>	<b>1R</b>	<b>5440 lm</b>	<b>40°C</b>
	<b>I</b>	<b>49 W</b>	<b>1R</b>	<b>7290 lm</b>	<b>40°C</b>
<b>218</b>	<b>A</b>	<b>17 W</b>	<b>3R</b>	<b>2210 lm</b>	<b>51°C</b>
	<b>D</b>	<b>23 W</b>	<b>3R</b>	<b>3100 lm</b>	<b>40°C</b>
<b>236</b>	<b>B</b>	<b>30 W</b>	<b>3R</b>	<b>4420 lm</b>	<b>51°C</b>
	<b>H</b>	<b>40 W</b>	<b>1R</b>	<b>5830 lm</b>	<b>43°C</b>
	<b>E</b>	<b>45 W</b>	<b>3R</b>	<b>6210 lm</b>	<b>40°C</b>
<b>258</b>	<b>C</b>	<b>37 W</b>	<b>3R</b>	<b>5530 lm</b>	<b>51°C</b>
	<b>I</b>	<b>49 W</b>	<b>1R</b>	<b>7290 lm</b>	<b>43°C</b>
	<b>X</b>	<b>55 W</b>	<b>1R</b>	<b>8120 lm</b>	<b>38°C</b>
	<b>Y</b>	<b>63 W</b>	<b>1R</b>	<b>8980 lm</b>	<b>33°C</b>
	<b>L</b>	<b>76 W</b>	<b>3R</b>	<b>10360 lm</b>	<b>30°C</b>

\* Total power consumption of LED's and driver. (+/- 10%)

\*\* Luminous flux of fitting @ 25°C for 840, 850 and 865. (correction factor 0,95 for 830)  
Luminous output and electrical load have an initial tolerance of +/- 10 % from nominal.



High quality PHILIPS chipboard



IP66 connector  
(optional)

Stainless steel suspension  
bracket (optional for GRP)

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## technical data type FUTURIX Ecoline

**Base:** Grey polycarbonate with stainless steel suspension brackets.

- **Optional :** Glass reinforced polyester, compression moulded (GRP).  
Housings 118 and 218 are always GRP.

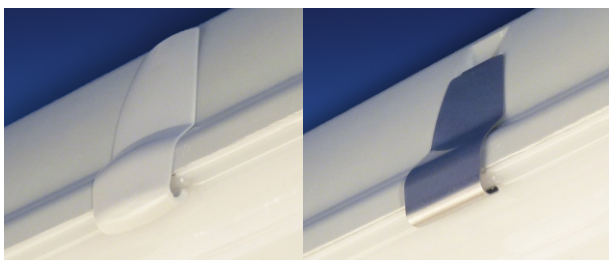
**Diffuser:** is made of a special frosted polycarbonate for a smooth uniform lighting.

- **Optional :** - Stainl. steel suspension brackets (for GRP)  
- 2 Glands M20 for IP66.  
- IP66 quick connectors:  
Wieland, Stucchi or Adels.

**Impact strength data of the diffuser:**  
diffuser in PC > 6 Nm (IK10)

**Clips:** 1-part polycarbonate clips.

- **Optional :** 1-part stainless steel clips.



Polycarbonate clip

Stainless steel clip (optional)



IP65 connector (optional)

Stainless steel suspension bracket



High quality linear LED strip.



### Specifications:

- Product life min. 50.000h L80 B10 at 25°C.  
35.000h L70 B10 at 45°C (Ta max)

- Available in 4000K with CRI of min. 80.

- **Optional :** 3000K, 6500K.

- MacAdam : 3 SDCM  
- Luminous efficiency: up to \*\* 135 lm/W.  
- 220-240V 50/60 Hz.  
- Ta: -15°C/+45°C.

- **Optional :** - 1-10V and DALI  
- Trough-wiring.  
(This will influence slightly the Ta.max.)  
- Version for CBS (DC)

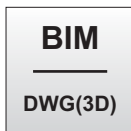
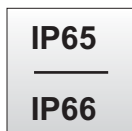
Housing	Power*	Flux**	Ta.max.
118	12 W	1500 lm	45°C
136	28 W	3780 lm	45°C
158	35 W	4575 lm	45°C
218	21 W	2590 lm	45°C
236	28 W 39 W	3780 lm 5190 lm	48°C 45°C
258	35 W 49 W	4575 lm 6490 lm	48°C 45°C

\* Total power consumption of LED's and driver.

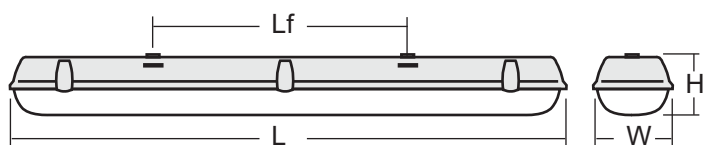
\*\* Luminous flux of fitting @ 25°C for 840.



14/09/2020

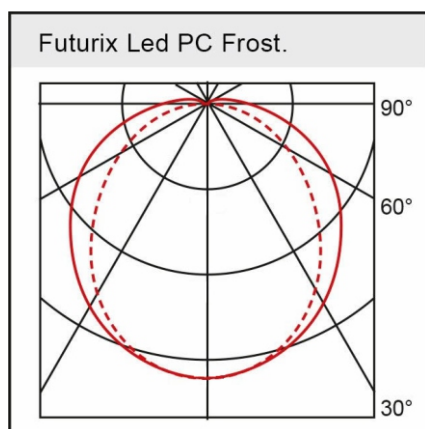


## technical data type **FUTURIX** **Ecoline**



Housing	L	W*	H	Lf	Clips	Kg
118	665	84	98,5	400	6	1,5
136	1275	84	98,5	800	8	1,8
158	1575	84	98,5	1100	10	2,2
218	665	134	98,5	400	6	2,0
236	1275	134	98,5	800	8	2,9
258	1575	134	98,5	1100	10	3,8

\*Dimensions without clips







## technical data type **FUTURIX VINO**

*Futurix with LED tube especially for wine, champagne and beer cellars.*

*The Light is free of blue „High Visible Energy“ spectrum (400nm - 490nm).*

**Base:** Glass reinforced polyester, compression moulded (GRP).

- **Optional** : - Stainless steel suspension bracket.  
- Wieland, Stucchi or Adels connector.

**Diffuser:** Clear Polycarbonate

**Impact strength data of the diffuser:**

diffuser in PC > 6 Nm (IK08)

**Lamp:** Toyoda LED UGS-500-CR

**Clips:** 1-part stainless steel clips

- **Optional** : 1-part polycarbonate clips  
or 1-part PA clips.



### Specifications:

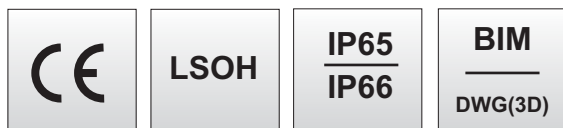
- Color 2150 K
- Product life min. 60.000h L80 B10 at Ta.max.
- MacAdam 3 SDCM
- 220-240V 50/60 Hz.
- Ta: -20°C/Ta.max.

- **Optional** : - Through-wiring 1 phase or 3 phase.  
(This will influence the Ta.max.)

Housing	Power*	Flux**	Ta.max.
118 (frosted)	13 W	1190 lm	30 °C
136 (frosted)	25 W	2380 lm	30 °C
218 (frosted)	26 W	2380 lm	30 °C

\* Total power consumption of LED tube and driver.

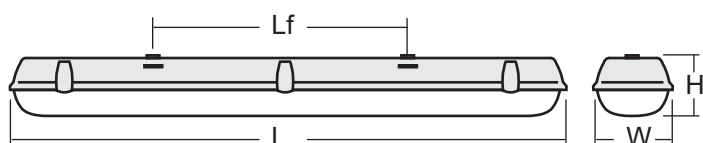
Luminous output and electrical load have an initial tolerance of  
+/- 10 % from nominal.



28/11/2018

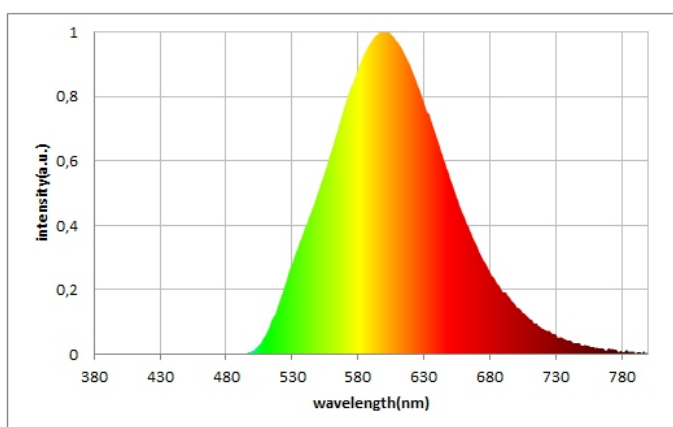


## technical data type **FUTURIX VINO**



Housing	L	W*	H	Lf	Clips	Kg
118	665	84	98,5	400	6	1,5
136	1275	84	98,5	800	8	1,8
218	665	134	98,5	400	6	2,0

\*Dimensions without clips





## technical data type FUTURIX LED HT

**Base:** Glass reinforced polyester, compression moulded (GRP).

- **Optional :** - Stainless steel suspension bracket.
- Wieland, Adels or Stucchi or MPM connector.
- Grey PC base (instead of GRP) always with stainless steel suspension brackets.

**Diffuser:** special frosted polycarbonate for a smooth uniform lighting.

- **Optional :** - Clear PC diffuser: 105% lumen output.
- Acrylic frosted diffuser (PMMA).

**Gear tray:** white painted steel.

**Clips:** 1-part stainless steel clips

- **Optional :** 1-part polycarbonate clips



High quality PHILIPS SIGNIFY chipboard LED



IP65/IP66 connector (optional)

Stainless steel suspension bracket (optional)



### Specifications:

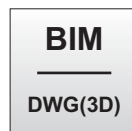
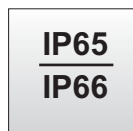
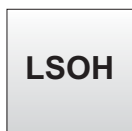
- Special industrial driver for higher temperatures.
- Product life min. 50.000h L80 B10 at Ta.max or 70.000h L70 B10 at Ta.max.
- Available in 3000K, 4000K, 5000K and 6500K with CRI of >80
- MacAdam 3 SDCM
- Luminous efficiency: LER frosted diff. up to \*\* 160 lm/W.
- 220-240V 0/50/60 Hz. (also DC for CBS)
- Ta: -20°C/Ta.max.
- HACCP (certificated for food industry)
- **Optional :-** 1-10V and DALI.
- Emergency (no self-test) and sensor
- Trough-wiring 1 phase or 3 phase. (This will influence the Ta.max.)
- CRI min. 90 (930, 940) correction factor 0,85.
- 110 V
- Casambi + other wireless communication systems.

Housing Art.		Power*	Flux**	Ta.max.
218	A	17 W	2210 lm	60°C
236	B	30 W	4420 lm	60°C
258	C	37 W	5530 lm	60°C

\* Total power consumption of LED's and driver. (+/- 10%)

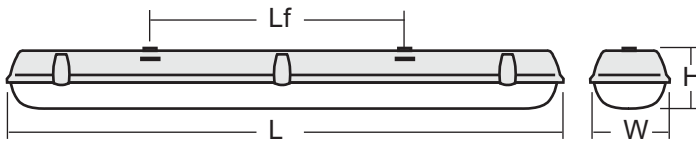
\*\* Luminous flux of fitting @ 25°C for 840, 850 and 865. (correction factor 0,95 for 830)

Luminous output and electrical load have an initial tolerance of +/- 10 % from nominal.





## technical data type FUTURIX LED HT

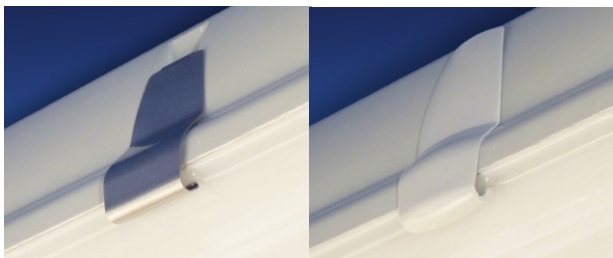
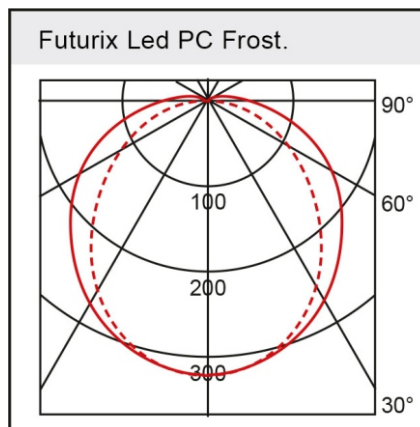
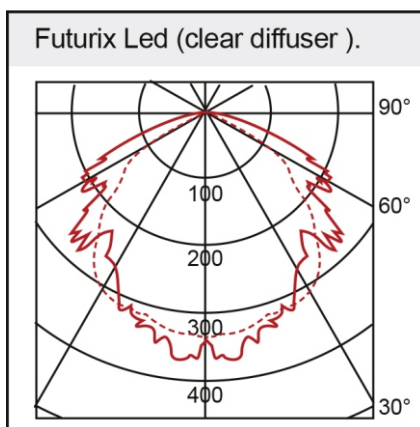


Housing	L	W*	H	Lf	Clips	Kg
118	665	84	98,5	400	6	1,5
136	1275	84	98,5	800	8	1,8
158	1575	84	98,5	1100	10	2,2
218	665	134	98,5	400	6	2,0
236	1275	134	98,5	800	8	2,9
258	1575	134	98,5	1100	10	3,8

\*Dimensions without clips

**Impact strength data of the diffuser:** diffuser in PC > 6 Nm (IK08)  
diffuser in PMMA > 0,22 Nm (Ik02)

**PHILIPS (SIGNIFY) Inside:** Fortimo LED line 3R / Strip 1R - Xitanium driver



Stainless steel clip

Polycarbonate clip  
(optional)

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3400 LANDEN BELGIUM

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Fax + 32 11 88 09 80

website [www.vlux.com](http://www.vlux.com)  
**ISO 9001 certified company.**





## technical data type **PAS LED**

**Base :** Glass reinforced polyester, compression moulded (GRP)

- **Optional :** Stainless steel suspension bracket. (free fixed)  
Double cable entry (same side).  
Wieland, Adels, Stucchi or MPM connector.

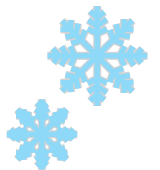
**Diffuser :** Special frosted polycarbonate (PC) for smooth uniform lighting.

- **Optional :** Clear PC diffuser. (see also PAC type)  
Acrylic frosted diffuser (PMMA) only wide body 218, 236 and 258

**Gear Tray :** White painted steel

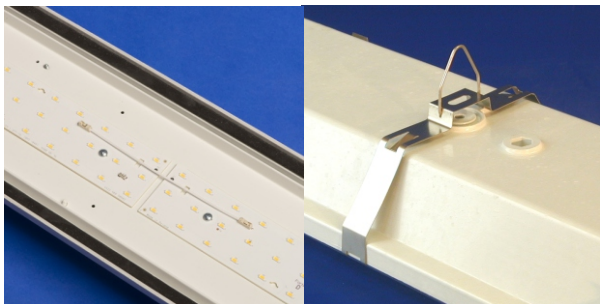
**Clips :** 2-part stainless steel clips.  
2 cable glands M20 (PA) included.

- **Optional :** 3-part polycarbonate clips.



### **Special PAS "FRIDGE" :**

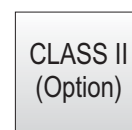
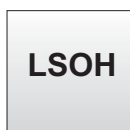
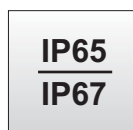
- See separate datasheet.
- Version for industrial cold storage (up to **-30°C**)



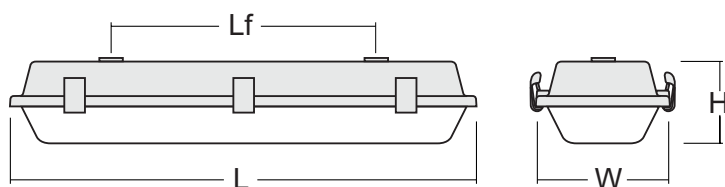
High quality PHILIPS chipboard LED      Stainless steel susp. bracket (optional) IP67

### **LED Specifications :**

- Product life min. 50.000h L80 B10 at Ta.max or 70.000h L70 B10 at Ta.max.
- Available in 3000K, 4000K, 5000K and 6500K with CRI of > 80.
- MacAdam 3 SDCM.
- Luminous efficiency: LER frosted diff. up to \*\* 160 lm/W.
- 220-240V 0/50/60Hz (also DC for CBS).
- Ta: -20°C / Ta.max.



## technical data type **PAS LED**



Lf : adjustable distance of mounting brackets.

Housing	L	W*	H	Lf	Clips	Kg
118	702	102	105	500	6	2.0
136	1312	102	105	800	8	2.9
158	1612	102	105	1100	10	3.6
218	702	172	105	500	6	2.2
236	1312	172	105	800	8	3.8
258	1612	172	105	1100	10	4.8

### Impact strength data of the diffuser:

diffuser in PC > 6 Nm (IK08)  
diffuser in PMMA > 0,22 Nm (IK02)

### PHILIPS (SIGNIFY) inside :

Fortimo LED line 3R/Strip 1R- Xitanium driver



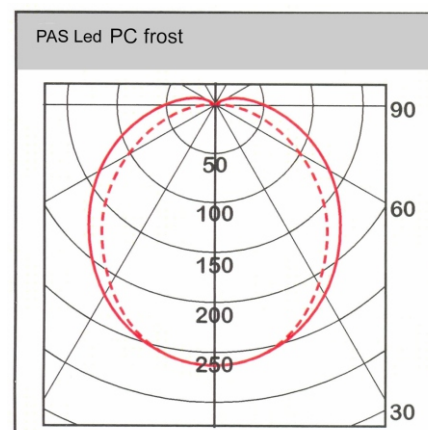
Secured with screws

Double cable-entry  
(optional)



3-part polycarbonate  
clips (optional)

Retainer for  
stainless steel clips





**Electrical specifications :****- Optional:**

- 1-10V and DALI.
- Emergency (no self-test) and sensor.
- Trough-wiring 1 phase or 3 phase  
(this will influence the Ta.max.).
- CRI min.90 (930, 940 on demand) correction factor 0,85.
- 110V
- Casambi + other wireless communication systems.
- Special Industrial drivers for higher temperatures.

Housing	Art.	Power*	Flux**	Ta.max
118	<b>Z</b>	14 W	2130 lm	35 °C
136	<b>U</b>	16 W	2350 lm	35 °C
	<b>S</b>	27 W	4255 lm	40 °C
158	<b>V</b>	20 W	2940 lm	35 °C
	<b>T</b>	34 W	5330 lm	40 °C
218	<b>A</b>	17 W	2165 lm	53 °C
	<b>D</b>	23 W	3040 lm	40 °C
236	<b>B</b>	30 W	4330 lm	53 °C
	<b>E</b>	45 W	6080 lm	40 °C
258	<b>C</b>	37 W	5420 lm	53 °C
	<b>F</b>	56 W	7600 lm	40 °C
	<b>G</b>	66 W	8850 lm	37 °C
	<b>L</b>	76 W	10150 lm	30 °C
	<b>N</b>	82 W	12000 lm	35 °C
	<b>Z</b>	104 W	14000 lm	25 °C

\* Total power consumption of LED's and driver. (+/- 10%)

\*\* Luminous flux of fitting @ 25°C for 840, 850 and 865  
(correction factor 0.95 for 830)

Luminous output and electrical load have an initial tolerance of +/- 10 %  
from nominal.



## technical data type **PAS FARM LED**

**Base** : Glass reinforced polyester,  
compression moulded (GRP)  
- **Optional** : Double cable entry (same side).

**Diffuser** : Clear PS  
- **Optional** : PMMA Frosted diffuser (only 236)

Impact strength data of the diffuser:  
diffuser in PS > 0,22 Nm (IK02)  
diffuser in PMMA > 0,22 Nm (IK02)

**Clips** : 2-part stainless steel clips.  
2 cable glands M20 (PA) included.

**Special for the farming industry providing  
high protection against aggressive ammonia  
gas in farmhouses.**

Following local animal health regulations.

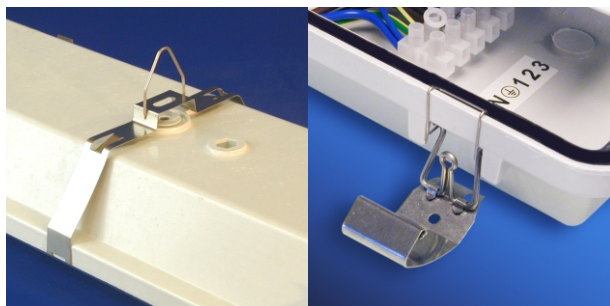
**Note :**

- The temperature and concentration of a chemical substance may significantly affect its compatibility with materials.



### Electrical specifications :

- Product life min. 50.000h L80 B10 at Ta.max
- Available in 3500K, 4000K and 5000K with CRI of min.83
- MacAdam 3 SDCM.
- Luminous efficiency : up to \*\* 133 lm/W.
- 220-240V 0/50/60Hz.
- Ta: -20°C / Ta.max +40°C
- **Optional**: - Through-wiring in polyester housing (this will influence the Ta.max.).
- CRI min.92.



Stainless steel susp.  
bracket IP67

Keeper for inox clips



Toyoda Gosei LED tube

Housing	Power*	Flux**	Ta.max
- Toyoda Gosei LED tube			
136	20 W	2500 lm	40 °C
	30 W	3800 lm	40 °C
158	25 W	3090 lm	40 °C
	35 W	4480 lm	40 °C
236	39 W	5070 lm	40 °C
	58 W	7650 lm	35 °C

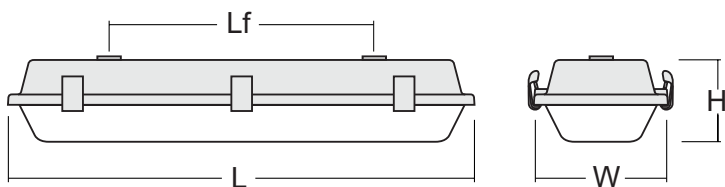
\* Total power consumption of Led tube's and driver. (+/- 10%)

\*\* Luminous flux of fitting @ 25°C for 840 and 850  
(correction factor 0.95 for 830)

Luminous output and electrical load have an initial tolerance of +/- 10 % from nominal.



## technical data type **PAS FARM LED**



Housing	L	W*	H	Lf	Clips	Kg
136	1312	102	105	800	8	2.5
158	1612	102	105	1100	10	3.5
236	1312	172	105	800	8	3.7



Double cable-entry  
(optional)





## technical data type **PAS Fridge**

Special wiring and gear for  
**industrial cold storage (up to -30°C).**



**Base :** Glass reinforced polyester,  
compression moulded (GRP)

- **Optional :** Stainless steel suspension bracket.  
Double cable entry (same side).  
Wieland, Adels or Stucchi connector.

**Diffuser :** is made of special frosted polycarbonate  
(PC) for smooth uniform lighting.

- **Optional :** Clear diffuser (see PAC).

Impact strength data of the diffuser:  
diffuser in PC > 6 Nm (IK08)

**Clips :** 2-part stainless steel clips with retainers.  
2 cable glands M20 (PA) included.



### Specifications :

- Product life min. 50.000h L80 B10 at Ta.max  
or 70.000h L70 B10 at Ta.max.
- Available in 3000K, 4000K and 5000K,  
also 6500K on demand.
- CRI of min.80
- MacAdam 3 SDCM.
- Luminous efficiency : up to \*\* 145 lm/W.
- 220-240V 0/50/60Hz (also DC for CBS).
- Ta: -30°C / Ta.max.

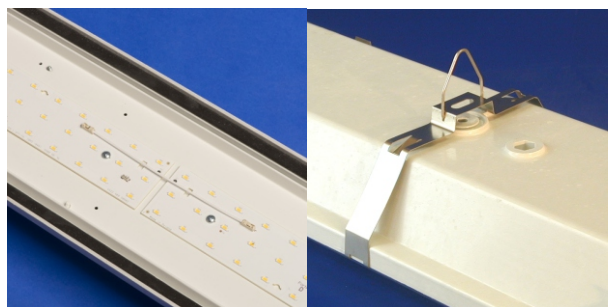
#### - **Optional:**

- DALI.
- High frequency motion detector.
- Through-wiring in polyester housing
- CRI min.90. (930, 940) correction factor 0,85.  
(on demand)



Optional: Clear diffuser

Retainer for  
stainless steel clips



High quality  
PHILIPS chipboard LED

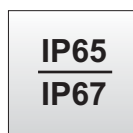
Stainless steel susp.  
bracket (optional) IP67

Housing	Power*	Flux**	Ta.max
158	41 W	5500 lm	40 °C
236	45 W	6080 lm	40 °C
258	37 W	5420 lm	53 °C
	56 W	7600 lm	40 °C
	66 W	8850 lm	37 °C
	76 W	10160 lm	30 °C
	82 W	12000 lm	35 °C
	104 W	14000 lm	25 °C

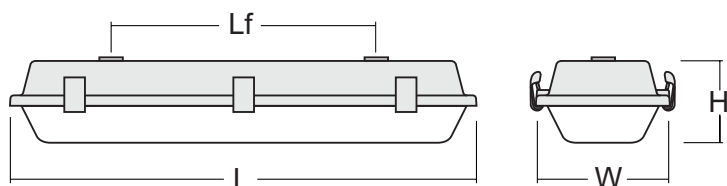
\* Total power consumption of LED's and driver. (+/- 10%)

\*\* Luminous flux of fitting @ 25°C for 840, 850 and 865  
(correction factor 0.95 for 830)

Luminous output and electrical load have an initial tolerance of +/- 10 %  
from nominal.

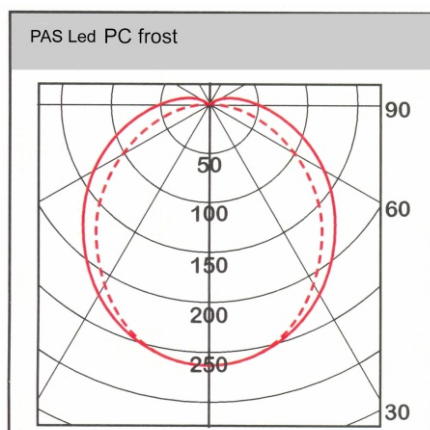


## technical data type **PAS FRIDGE**



+ R X V L Q J	L	W*	H	Lf	Clips	Kg
158	1612	102	105	1100	10	3.6
236	1312	172	105	800	8	3.8
258	1612	172	105	1100	10	4.8

\*Dimensions without clips



Secured with screws

Double cable-entry  
(optional)

### VLUX

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website [www.vlux.com](http://www.vlux.com)  
ISO 9001 certified company





## technical data type PAC LED

**Base :** Glass reinforced polyester, compression moulded (GRP)

- **Optional :** - Stainless steel suspension bracket
- Double cable entry (same side)
- IP66 Stucchi, Adels or Wieland connector

**Diffuser :** Clear blow molded diffuser, available in PC or PMMA :

- Diffuser in PC :  $\geq 6$  NM (IK10)
- Diffuser in PMMA :  $\geq 0.22$  NM (IK02)

Optic Narrow Beam lenses

- **Optional :** Wide Beam lenses

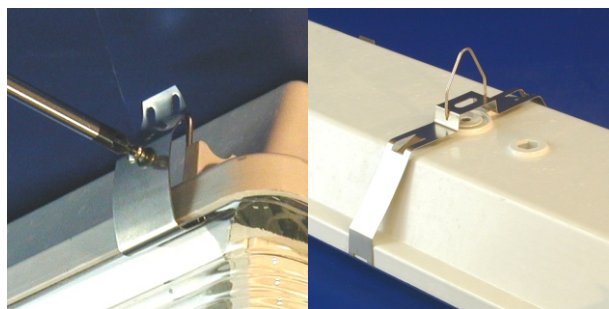
**Clips :** Stainless steel clips

2 cable glands M20 (PA) included



**"FRIDGE" option :** See also PAS Fridge.

- Special wiring and gear for industrial cold storage (up to  $-30^{\circ}\text{C}$ )
- Stainless steel clips with retainers.



Stainless steel clip,  
or vandal proof clip

Stainless steel  
suspension bracket  
(optional)



Chipboard LED with  
lenses

### Specifications :

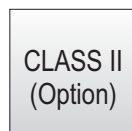
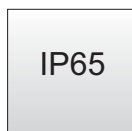
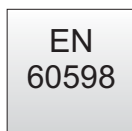
- Product life min. 50.000h L80 B10 at  $T_{a.\text{max}}$  or 70.000h L70 B10 at  $T_{a.\text{max}}$
- Available in 3000K, 4000K and 5000K with CRI of min.80
- Luminous efficiency : up to \*\* 138 lm/W
- 220-240V 0/50/60Hz
- $T_a$ :  $-20^{\circ}\text{C}$  /  $T_{a.\text{max}}$ .
- **Optional:** - 1-10V and DALI
- Emergency
- High frequency motion detector
- Through-wiring in polyester housing (This will influence slightly the  $T_{a.\text{max}}$ .)
- CRI min.90 correction factor 0,85. (on demand)

Housing	Power*	Flux**	$T_a$ - $-20^{\circ}\text{C}$ Min $T_{a.\text{max}}$ .
236	45 W	6200 lm	38°C
258	56 W	7750 lm	38°C
	66 W	9010 lm	35°C
	76 W	10160 lm	35°C
	104 W	14000 lm	25°C

\* Total power consumption of Led's and driver. (+/- 10%)

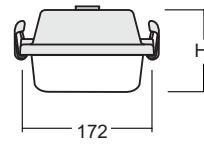
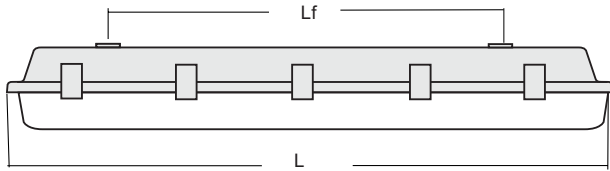
\*\* Luminous flux of fitting @  $25^{\circ}\text{C}$  for 840 and 850 (correction factor 0,95 for 830)

Luminous output and electrical load have an initial tolerance of +/-10% from nominal.





## technical data type **PAC LED**



Housing	Clips	H	L	Lf
236	8	104	1312	800
258	10	108	1612	1100

\*Dimensions without clips



## technical data type **PLedX**

**Base** : Glass reinforced polyester, compression moulded (GRP)

Standard inclusive 2 glands M20 (IP68)

- **Optional** : - Stainless steel suspension bracket
- Double cable entry (same side)
- Wieland, Adels or Stucchi connector

**Diffuser** : is made of special frosted PC for smooth uniform lighting

- **Optional** : Clear diffuser in PC or PMMA

**Clips** : 2-part stainless steel clips

- **Optional** : 3-part polycarbonate clips



Secured with screws

3-part polycarbonate clips (optional)



High quality PHILIPS chipboard LED

Stainless steel susp. bracket (optional)



Retainer for stainless steel clips

Double cable-entry (optional)

### Impact strength data of the diffuser :

diffuser in PC : > 6 Nm (IK08)

### Specifications :

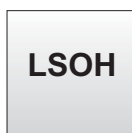
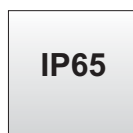
- Product life min. 50.000h L80 B10 at Ta.max or 70.000h L70 B10 at Ta.max
- Available in 3000K, 4000K, 5000K and 6500K with CRI of min.80
- MacAdam : 3 SDCM
- Luminous efficiency : up to \*\* 145 lm/W.
- 220-240V 0/50/60Hz. (also for CBS)
- Ta: -20°C / Ta.max.
- **Optional** : - 1-10V and Dali.
- Emergency (not for housing 218).
- High frequency motion detector. (not for housing 218)
- Through-wiring in polyester housing. (This will influence slightly the Ta.max.)
- CRI min. 90 correction factor 0,85. (on demand)

Housing	Power*	Flux**	Ta.max
218 (frosted)	17 W	2150 lm	45 °C
	23 W	3000 lm	35 °C
236 (frosted)	30 W	4300 lm	45 °C
	45 W	6000 lm	35 °C
258 (frosted)	37 W	5360 lm	45 °C
	56 W	7530 lm	35 °C
	66 W	8850 lm	35 °C
	76 W	10160 lm	35 °C
	104 W	14000 lm	25° C
270 (clear)	78 W	10360 lm	35 °C

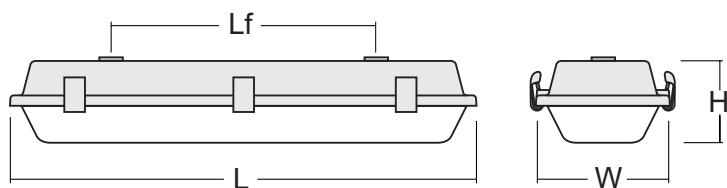
\* Total power consumption of Led's and driver. (+/- 10%)

\*\* Luminous flux of fitting @ 25°C for 840 and 850 (correction factor 0.95 for 830)

Luminous output and electrical load have an initial tolerance of +/- 10 % from nominal.

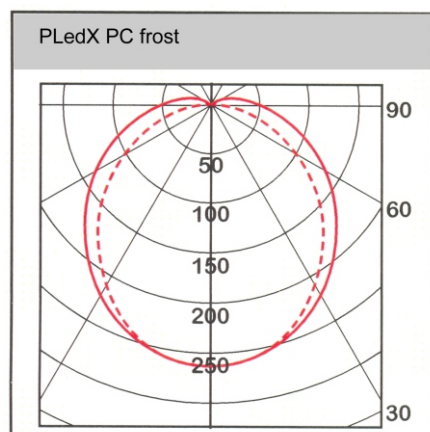


## technical data type **PLedX**



Housing	L	W*	H	Lf	Clips	Kg
218	702	172	105	500	6	2.4
236	1312	172	105	800	8	3.7
258	1612	172	105	1100	10	4.4
270	1874	172	105	1100	14	6.0

\*Dimensions without clips





## technical data type LILI LED

### LILI, the LI near LIghting:

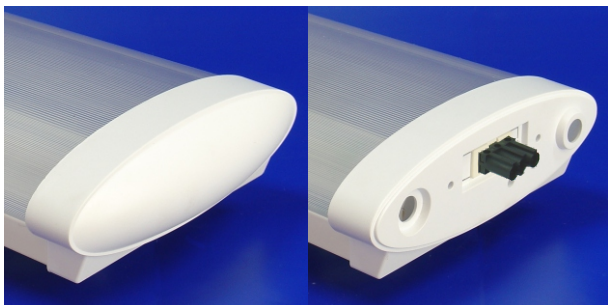
- The fitting consists of a white metal back plate, a plastic extruded frosted diffuser and standard white plastic injected endcaps.
- The cover guarantees an efficient direct/indirect light.
- The plastic diffuser is snap-in mounted on the metal backplate and is easy removable without any tool.  
Material : PMMA (frosted)
- **Optional** :- Adjustable cable suspension (up to 2 m).
  - Convex endcap
  - In-line version Midcap (not for small !)
  - Version for LED tubes is also possible.



### Electrical specifications:

- Individual or "in-line" luminaires (max 16A).
- 3000, 4000 K with CRI of min. 80
- 80.000h L80 B50 at Ta.max
- MacAdam 3 SDCM

- **Optional** :- DALI driver
- MOTION DETECTOR
- EMERGENCY Module



Option: Convex Endcap  
(PS high impact)

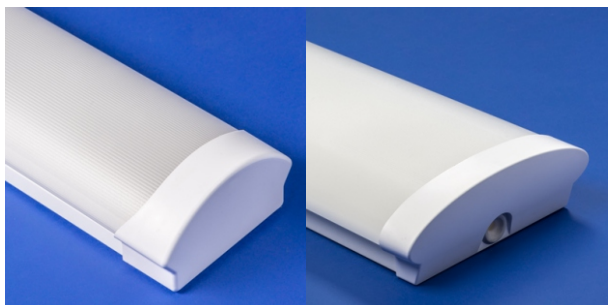
"Midcap" for in-line  
assembly (only for WIDE)

### SMALL:

Length	Power*	Flux**	Ta.max
630	11 W	1300 lm	35°C
630	20 W	2500 lm	27°C
1200	18 W	2600 lm	35°C
1200	36 W	5100 lm	27°C
1500	47 W	6900 lm	35°C
1500	58 W	8200 lm	27°C

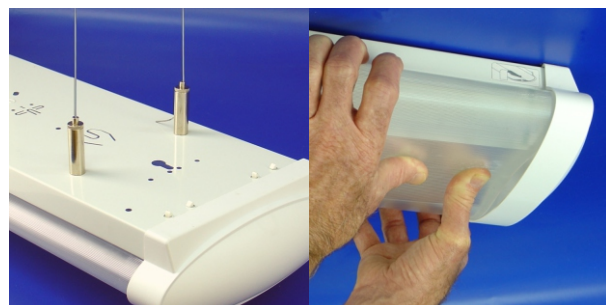
### WIDE:

Length	Power*	Flux**	Ta.max
1200	22 W	3100 lm	35°C
1200	34 W	4600 lm	27°C
1500	29 W	4120 lm	35°C
1500	45 W	6090 lm	27°C



SMALL

WIDE

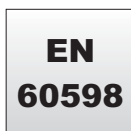


Adjustable cable  
suspension (option)

Easy access  
(no tools necessary)



03.09.2020



\* Total power consumption of LED's and driver.

\*\* Luminous flux of fitting @ 25°C for 840  
(correction factor 0.95 for 830)

Luminous output and electrical load  
have an initial tolerance of  
+/- 10 % from nominal.



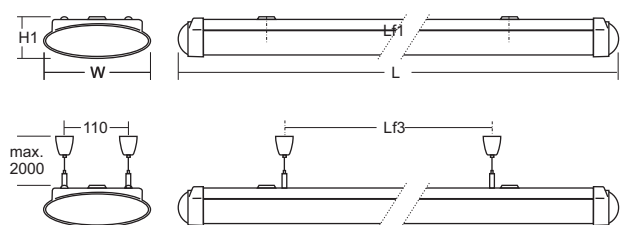


## technical data type LILI LED

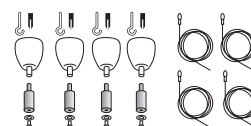
LiLi LED SMALL	L	W	H1	Lf1	Lf3	Kg
630	630	110	60	498	-	1,5
1200	1210	110	60	800	710	3,6
1500	1500	110	60	1000	910	4,0

### LiLi LED WIDE

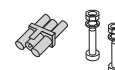
1200	1293	208	77	800	710	4,0
1500	1550	208	77	1000	910	4,4



### LiLi Suspension set



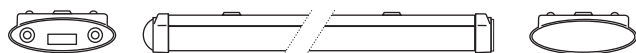
### LiLi Connection set



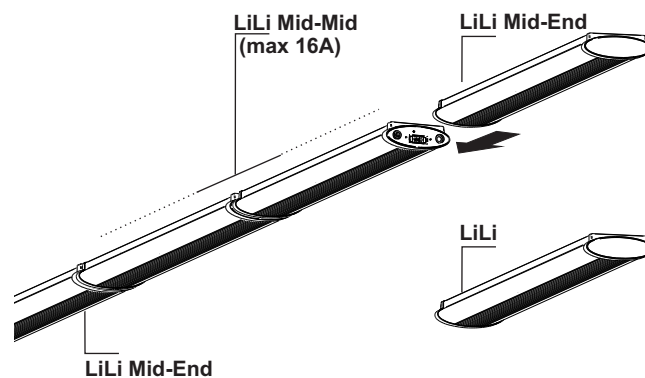
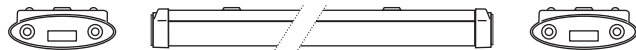
### LiLi

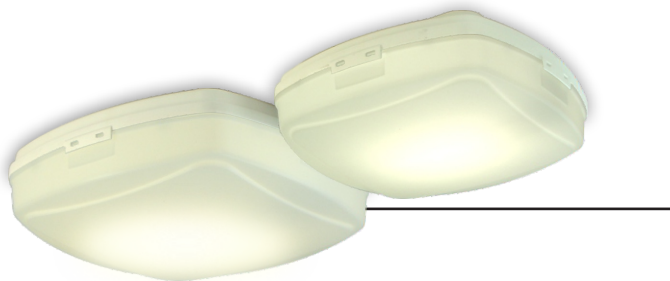


### LiLi Mid-End



### LiLi Mid-Mid





## technical data type **BUBA**

**Body:** Injected white polycarbonate.

- Without bracket, see BUBA+ for optional bracket.

**Diffuser :** Injected frosted polycarbonate.

**Impact strenght data of the diffusor :**

- Diffuser in PC : > 6Nm (IK08).

**Electrical specifications :**

- Lamp type : LED

- **Optional** : - Emergency module. (not for type HO)

- Motion detector. (ultrasonic)



**Type Multi:** 8,5W till 13,5W with DIP-switch  
( 4 output levels ).

**Type MID:** 15W with 1860 lm.

**Type HO:** 19W with 2270 lm

Cri > 80 for colors 3000 K and 4000 K  
Cri > 90 for colors 2700 K (on request)

Lifetime : 50.000 h L80 B50.



Diffuser is clicked on the  
base

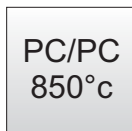
Easy opening of the  
diffuser



High frequency  
motion detector.  
(Optional)

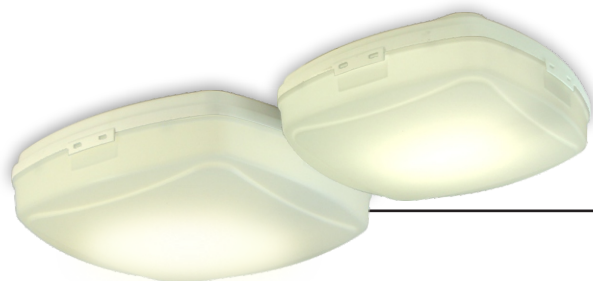


12.02.2020



The liabilities are bound to the  
published informations, which might  
be modified without notice.



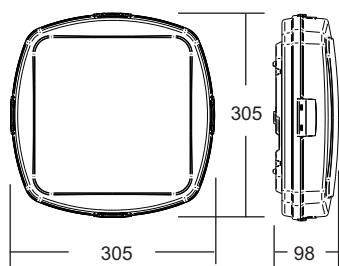


## technical data type **BUBA**

Type Multi		
8,5W	1120 lm	45°C
9,5W	1220 lm	45°C
13,0W	1550 lm	40°C
13,5W	1660 lm	40°C
Emergency	4 levels	25°C

Type MID		
15,0W	1860 lm	35°C
Emergency	1860 lm	25°C

Type HO		
19,0W	2270 lm	35°C
No Emergency		



All dimensions are in mm.



## technical data type **Echo LED**

**Housing:** White powder coated steel.

**Optic:**

- Frosted cover of LED modules.
- Double Parabolic: Mat reflectors with "V" shaped crossblades.

Optional: Single parabolic louver (Ecoline)

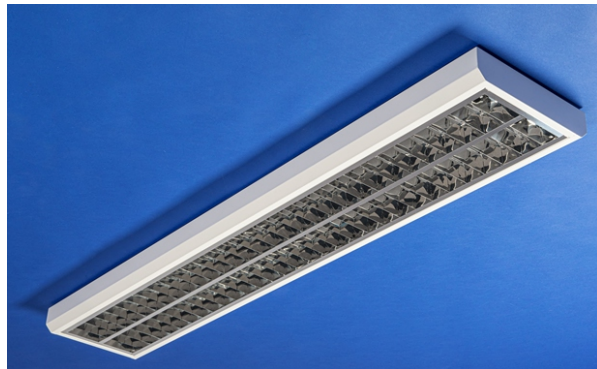
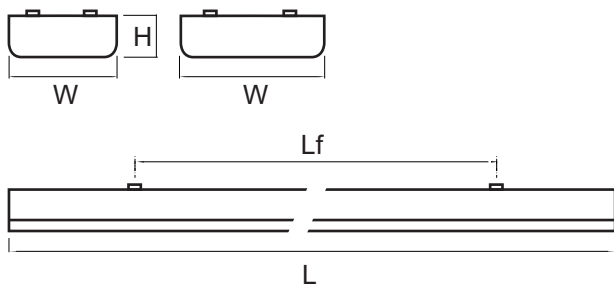
**Electrical specifications:**

- LED current driver



Quick connector

Housing	L	W	H	Lf	Kg
418	611	410	52	400	2.2
136	1210	153	52	900	2.2
236	1210	238	52	900	2.5
158	1510	153	52	1200	3.2
258	1510	238	52	1200	4.0
236Eco	1258	264	60	950	2.5
258Eco	1558	264	60	1250	3.2



**LED:**

- Mid Power LED CRI 80 (option CRI 90)
- 3000 K, 4000 K
- UGR <19 (office lighting)
- Lifetime 80.000 h L80 B50
- DALI or DIM 1 - 10 V



**Housing**

418	27 W	3200 lm
	37 W	4350 lm
136	19 W	2250 lm
236	26 W	3300 lm
	37 W	4450 lm
158	30 W	3500 lm
258	41 W	5350 lm
	58 W	7200 lm
236Eco	37 W	4000 lm
258Eco	57 W	6200 lm



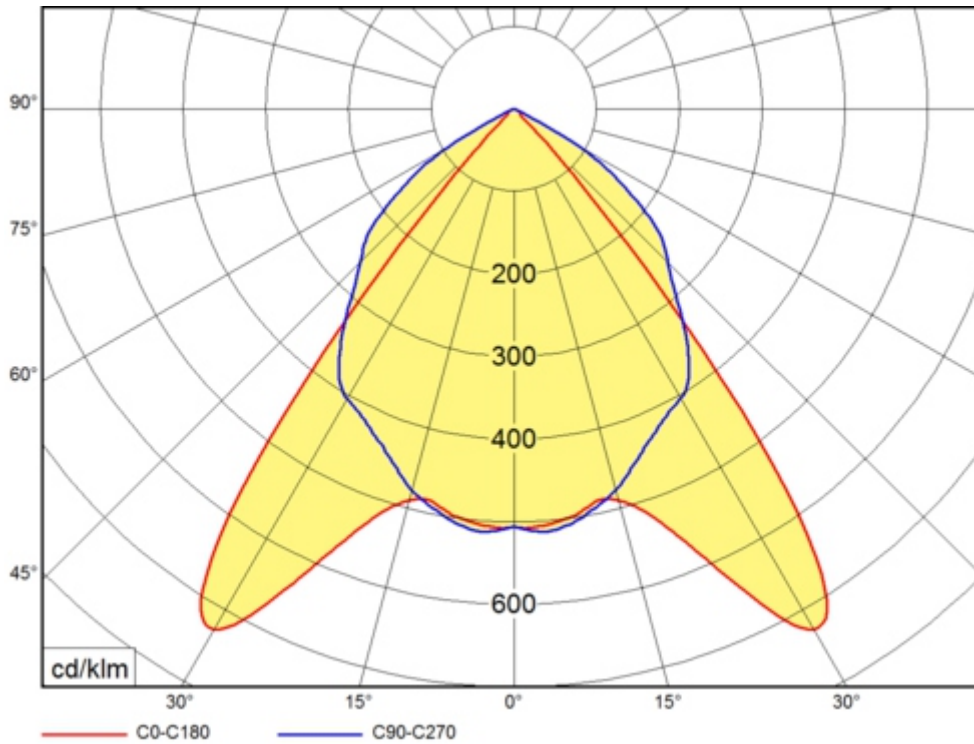
V16.05.2019

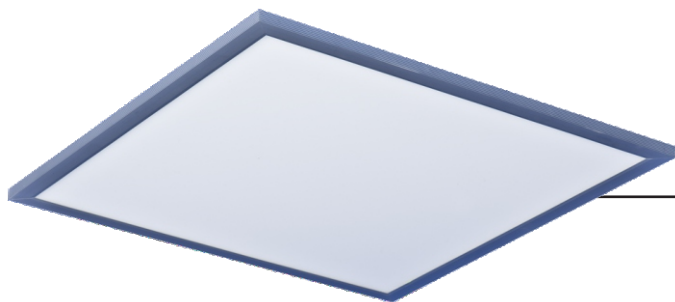


\*The dimensions shown on this document can be modified without notice.



## technical data type **Echo LED**





## technical data type **SUR**

### LED panel

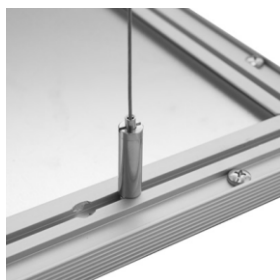
#### **Housing:**

made of anodized aluminium,  
developed for pending, surface.  
(or recessed module 600 ceilings)

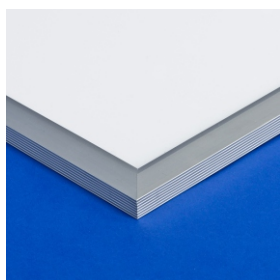
#### **Diffuser:**

available in frosted acrylic sheet,  
mounted into the frame

-Optional: Direct/indirect

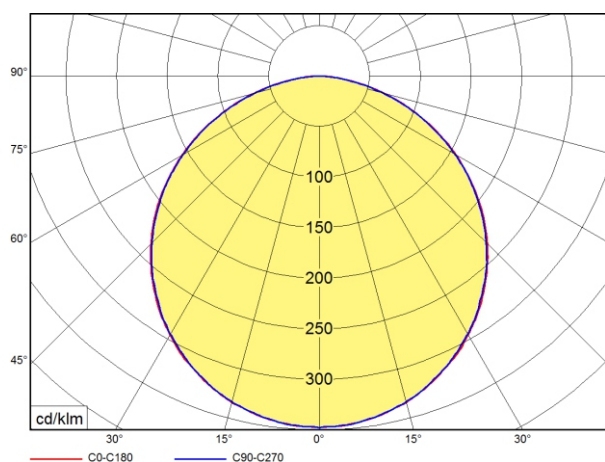


Pendant mounting set

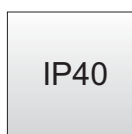
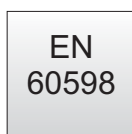


Alu Frame

Alternative: see also type **RES**



23.06.2016



#### **Electrical specifications:**

- LED current driver
- optional Dali Dim or 1-10v Dim
- product life time 50.000h L80B50
- available in 2900K,3800K and 5300K with CRI of min. 80
- Luminous efficiency: LER up to 105lm/W



Housing	Power(w)	Flux(Lumen)
600x600	36	3900
	55	5600
300x1200	36	3900
	55	5600
600x1200	75	7700
	110	10800

\* Total power consumption of LED's and driver.

\*\* Luminous flux of fitting

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**ISO 9001 certified company**





## technical data type RLG

### Housing:

Made of white coated steel and ABS Body.

Developed for recessed module 600 ceilings.

### Diffuser:

Frosted PC lenses mounted into body.

UGR < 17

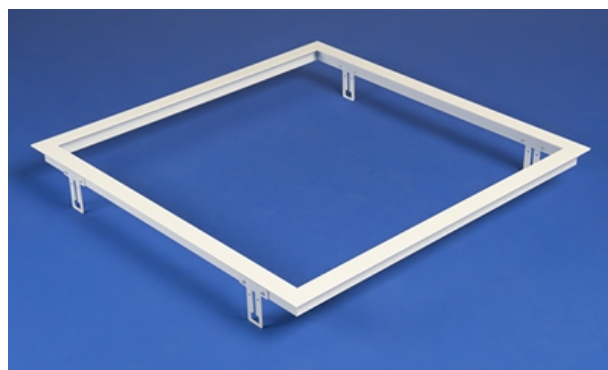
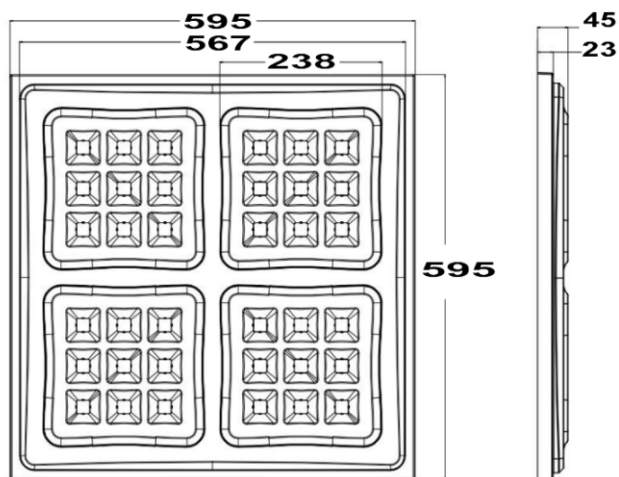
- **Optional** : surface mounted frame.  
recessed frame for gypsum plasterboard.

### Electrical specifications:

- LED current driver with ENEC certificate.
- Optional DALI Dim
- Product life time 50.000h L80B50
- Available in 3000K/4000K.  
(2700K/5000K/6500K on demand)
- Operating temp. -10°C to 40°C  
with CRI of min. 80 and 95 optional.
- Luminous efficiency: LER up to 129lm/W
- SDCM < 3
- Multi Watt: multi current DIP switch

Housing (mm)	Power	Flux (Lumen)
600x600	31 W	4000 lm
	35 W	4500 lm
	39 W	5000 lm

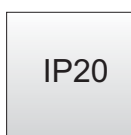
- Net weight 3 kg



option : frame for plasterboard



03.09.2020



Correction factor 0,95 for 830

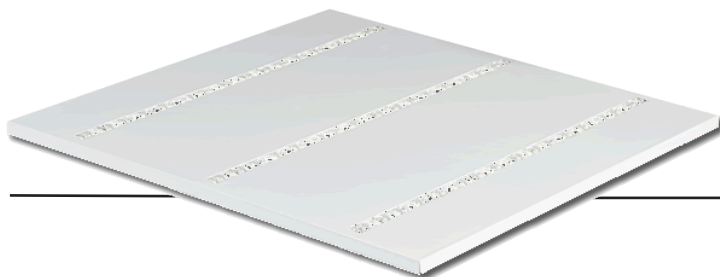
Luminous output and electrical load have an initial tolerance of +/- 10 % from nominal.

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## technical data type IDL

### Body:

White painted metal.  
Recessed: for opening 600 or 625 mm.  
3 versions: 1, 2 or 3 LEDlines.  
60 or 90° optical lenses.

### Optic:

Symetric linear PMMA lenses.  
Z60 - narrow beam 60°  
Z90 - wide beam 90°

### Application:

Recessed installation into modular ceiling (square).  
mod 600: 596 x 596 x 30 mm.  
mod 625: 622 x 622 x 30 mm.

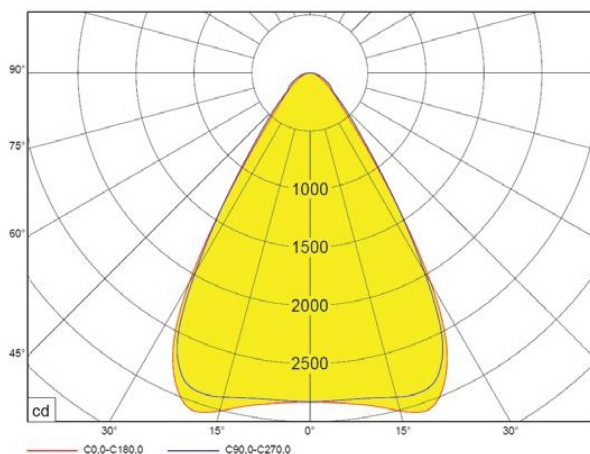
**Options:** White painted frames for recessed gypsum plasterboard or surface installation.



### Electrical specifications:

- Product life min 80.000 h L80 B50
- Available in 3000K, 4000K and 5700K.
- CRI of min. 80; UGR < 19
- Macadam: < 3 SDCM
- Main part is PMMA plastic optical system, which takes care of perfect lighting distribution, low UGR and high effectivity. (up to 163 lm/W from luminaire).

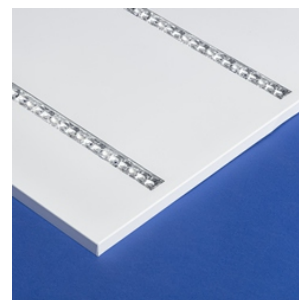
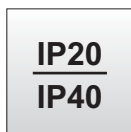
### Optional: DALI or Dimmable 1-10V



	Power(W)	Flux(lm)	lm/W	Kg
1500/1	9	1300	144	1,7
2000/1	14	2000	143	1,7
3000/1	19	2700	142	1,9
3000/2	18	2700	150	1,9
4000/2	26	3800	146	1,9
3000/3	18	2900	161	2,0
4000/3	25	4000	160	2,0
6000/3	38	5800	153	2,0



28.05.2019



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## technical data type RES

### LED panel

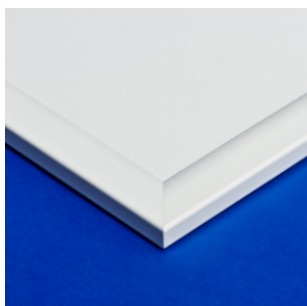
#### Housing:

Made of white powder coated aluminium, developed for recessed module 600 ceilings.

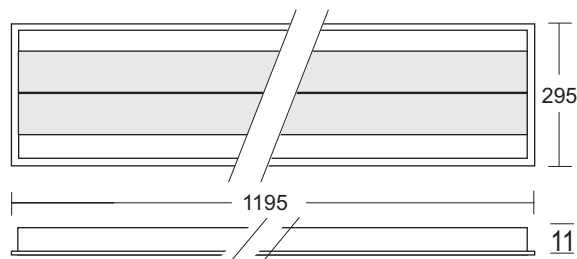
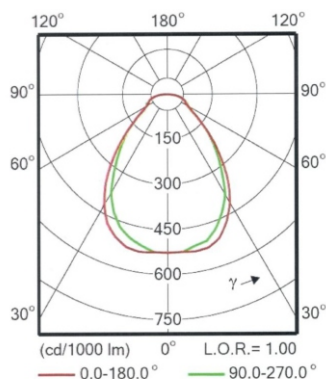
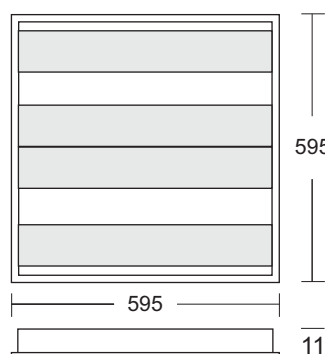
#### Diffuser:

Prismatic sheet, mounted into the frame.  
UGR < 19

**Alternative:** see also type **SUR**



White frame



#### Electrical specifications:

- LED current driver
- Optional DALI Dim
- Product life time 50.000h L80B10
- Available in 3000K, 4000K and 6500K with CRI of min. 80
- Luminous efficiency: LER up to 121lm/W
- SDCM4

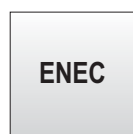
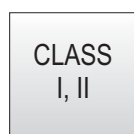
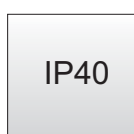
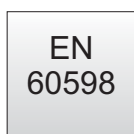
Housing (mm)	Power	Flux
600x600	28 W	3000 lm
	32 W	3400 lm
	36 W	3780 lm
	41 W	4300 lm
300x1200	28 W	3000 lm
	32 W	3400 lm
	36 W	3780 lm
	41 W	4300 lm

Correction factor 0,95 for 830

Luminous output and electrical load have an initial tolerance of +/- 10 % from nominal.



17.12.2019



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## technical data type **ECLIPS LED**

**Housing:** 52 mm height, powder coated white steel, RAL 9003, developed for module 600 ceilings.

### **Louvre:**

- Frosted LED-cover.
- double parabolic louvre in highly polished AB or mat aluminum AM (category 2).

### **Electrical specifications:**

- LED current driver (standard).
- Optional : Dim 1-10 V, DALI.

<b>Power:</b>	<b>AB</b>	<b>AM</b>
- 27W =	3300 Lm	3400 Lm.
- 37W =	4300 Lm	4450 Lm.



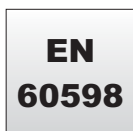
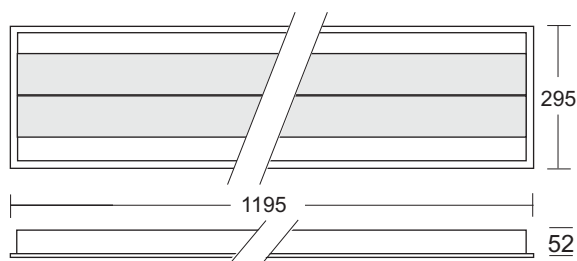
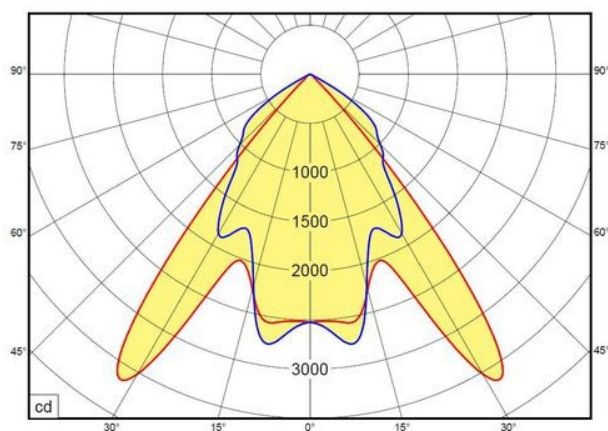
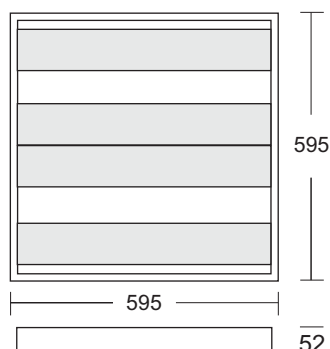
### **LED:**

- Product lifetime 80.000 h L80B50
- Available in 3000K, 4000K and tunable white 3000-6000K
- CRI  $\geq 80$ ; UGR $<19$
- Option CRI 90; SDCM 3



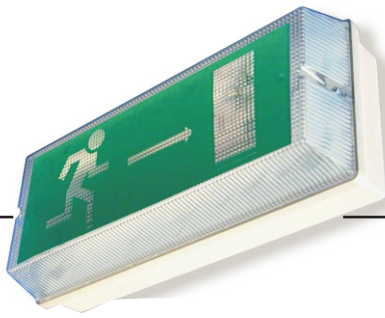
Connector

Double parabolic  
(cat 2) louvre



\*The dimensions shown on this document can be modified without notice.





## technical data type EMX

**Housing:**

- injection moulded housing made out of polycarbonate (PC) or polystyrene (PS), with EPDM gasket.
- standard white coloured.
- optional: grey coloured.

**Diffuser:**

- injection moulded diffuser, fixed to the housing with screws, made out of polycarbonate (PC) or acrylic (PMMA).
- opal or clear prismatic or PC-frosted
- pictograms optional.

**Reflector:**

- made of white stove enamelled steel.
- reflector attached to the housing by quickly detachable "reflector clips".



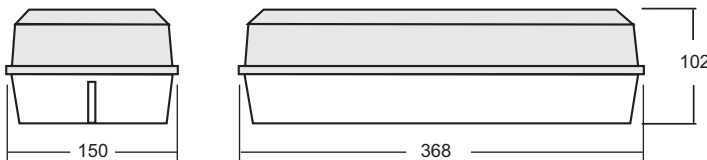
### Electrical specifications:

- ferromagnetic ballast and switch starters.
- optional: - emergency applications in 1 and 3H autonomy.  
(non maintained or sustained version).
- test-buttons for emergency function test.
- digital self test.

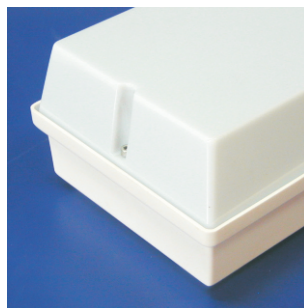
### Lamps:

- fluorescent lamps in 8w
- fluorescent compact lamps in 9 - 11 - 18w
- Low pressure sodium lamps in 18w

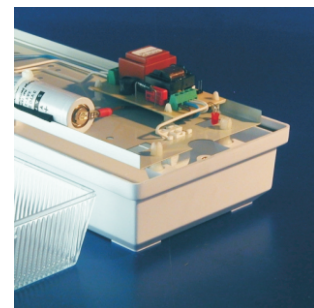
Also LED version available with PC-frosted diffuser and efficiency of 88 lm/w.  
(1143 lumen out of fitting for 13w)



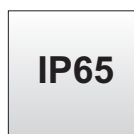
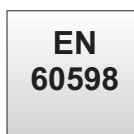
Easy "clip-on" gear tray



Opal diffuser



High quality electronic components



# technical data type EMX

EMX		Tot. light output ( Lumen )
1x9 W	TCS	600
2x9 W	TCS	950
1x11 W	TCS	900
1x18 W	TCL	1200
2x11W	TCS	1800
1x8 W	T5	330 / 450*
2x8 W	T5	660 / 900*
1x18 W	LPS/SOX	1800

(\* = High efficiency lamp.)

EMX Emergency		Tot. light output ( Lumen )	Batteries	Auton.
1x8	T5 (non maint.)	125	3x 1.5Ah	1h
1x8	T5 "	90	2x 4Ah	3h
2x8	T5 (sustained)	330 + 125	3x 1.5Ah	1h
2x8	T5 "	330 + 90	2x 4Ah	3h

(Other types of lamps and batteries on request.)

EMX 1x8

Correction factors : 1.00

Polair Diagram

Utilisation Factors

Ceilings	.8	.7	.7	.5	.5	.5
Walls	.5	.5	.3	.5	.3	.3
Floor	.3	.1	.3	.3	.3	.1
Room ind. K						
0.60	.35	.32	.26	.31	.25	.24
0.80	.42	.39	.33	.38	.31	.30
1.00	.49	.44	.39	.43	.36	.35
1.25	.55	.49	.45	.49	.42	.40
1.50	.60	.53	.50	.53	.46	.44
2.00	.68	.59	.57	.59	.53	.50
2.50	.74	.63	.63	.64	.58	.54
3.00	.78	.66	.68	.67	.62	.58
4.00	.84	.70	.74	.72	.67	.62
5.00	.87	.73	.78	.75	.71	.65

Glare Evaluation

(1x330 lm)

Quality class	G	Service Illuminance (Lux)				
B	1.5	1000	500	300		
C	1.15		1000	500	300	
D	1.85			1000	500	300
E	2.55				1000	500

e/h : 1.58

Lum.Eff.: 89 %

C.I.E.: 35 59 80 85 89

BZ6

UTE : .76H+.13T

EMX 2x11

Correction factors : 2x11: 1.00 - 2x9: 1.09

Polair Diagram

Utilisation Factors

Ceilings	.8	.7	.7	.5	.5	.5
Walls	.5	.5	.3	.5	.3	.3
Floor	.3	.1	.3	.3	.3	.1

Room ind. K

0.60	.29	.27	.22	.26	.21	.21
0.80	.35	.32	.28	.32	.26	.26
1.00	.40	.36	.33	.36	.31	.30
1.25	.46	.41	.38	.41	.36	.34
1.50	.50	.44	.42	.44	.39	.37
2.00	.56	.49	.48	.49	.45	.42
2.50	.60	.52	.53	.53	.49	.46
3.00	.63	.54	.56	.55	.52	.48
4.00	.68	.57	.60	.59	.56	.51
5.00	.70	.59	.64	.61	.58	.54

Glare Evaluation

(2x 900 lm)

Quality class	G	Service illuminance (Lux)					
B	1.5	1000	500	300			
C	1.15		1000	500	300		
D	1.85			1000	500	300	
E	2.55				1000	500	300

e/h : 1.58	Lum.Eff.: 65.8 %	C.I.E.: 40 68 87 87 66	BZ5 2.00 BZ6	UTE : .57G+.09T
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## — technical data type **VEL**

**Housing:** - injection moulded housing made out of polycarbonate (PC).  
- standard white coloured.

- **Optional:** semi recessing bezel.

**Diffuser:** - injection moulded diffuser, fixed to the housing with screws, made out of polycarbonate (PC).  
- pictograms optional. (self adhesive legend kits)

- **Optional:** trapezium shape diffuser (h=150 mm) inclusive self-adhesive safety signs to provide double sided signage.

**Reflector:** - hinged white plastic.

**2 Types:** both 150lm output

- VEL/EM3: Maintained Emergency with 3H autonomy and battery 1x3.6V (1.5 Ah NiCd).

- VEL/230: LED mains only (bulkhead).



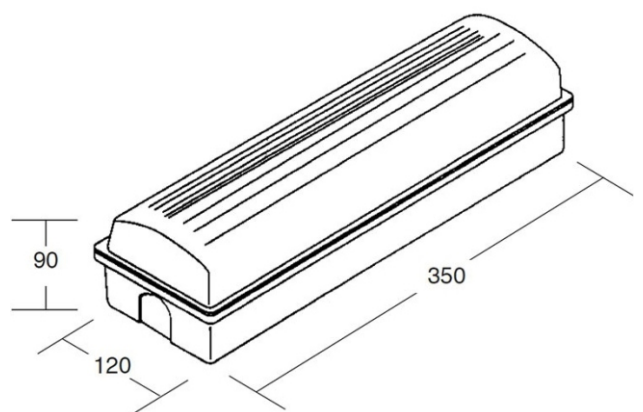
### **Specifications:**

- 150 lumen out of fitting for 3,0W with 16 high output white LEDs.
- Supply voltage 230V/50Hz.
- Color 4000 to 5000 K.
- CRI > 80.
- Lifetime > 50.000 h

- **Optional:** DALI digital self test in accordance with BSEN62034.



Optional: trapezium shape diffuser



**Weight:** - VEL/EM3 = 1,1 kg  
- VEL/230 = 0,9 kg





**LED**

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