

# Frida

LED



Frida opal



Frida is an IP55 module luminaire with excellent efficiency. It illuminates for a wide range of public spaces, such as hospitals and healthcare facilities, where uniform, glare-free and safe light is required. The luminaire is available with variety of luminous flux packages and customized connection leads, as well as with a range of sensors and controls.

## DALI

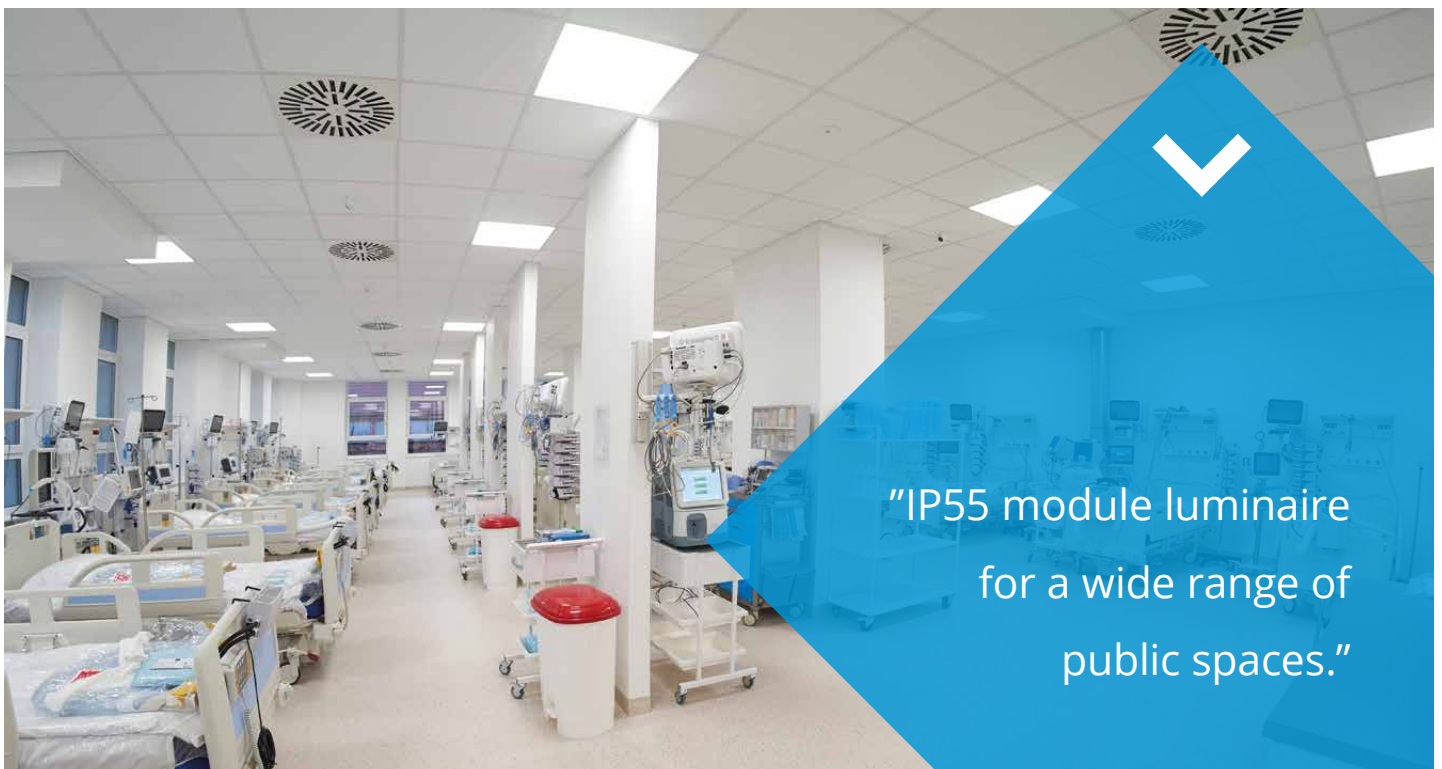
DALI drivers enable luminaires to be connected to DALI based control systems and Smart Buildings. Compared to a fixed output installation, the dimming and individual control capability provided by DALI enables considerable energy savings and control, depending on luminaire specifications.

## Helvar ActiveAhead

ActiveAhead is a self-learning, wirelessly networked and future proof control system. ActiveAhead luminaires listen and learn by themselves and from each other to make sure that there is always light on your way. Plug'n play, no programming or commissioning needed.

## Philips MasterConnect

The MasterConnect system includes luminaires and PIR sensors that communicate wirelessly with each other. The sensor can be integrated into the luminaire or separate. The simple and cost-effective system is very suitable for e.g. parking garages and office and school premises.



“IP55 module luminaire for a wide range of public spaces.”



Frida 600x600 microprismatic



Frida 300x600



Frida 300x1200

### Structure

- ▶ Frame white powder coated aluminium, body white powder coated steel, also in other colors
- ▶ Opal or microprismatic optics
- ▶ Microprismatic UGR<19
- ▶ IP55 from down, up IP20
- ▶ Range:  
600x600 mm, 300x1200 mm and 300x600 mm with opal diffuser or with microprismatic optics
- ▶ LED module lifespan  $T_a=25\text{ }^\circ\text{C}$ :  
>100 000 h (L70)  
100 000 h (L80)  
71 000 h (L90)
- ▶ LED driver life time  $T_a=25\text{ }^\circ\text{C}$ :  
100 000 h (max. 10 % failure)

### Mounting

- ▶ To the T-list and surface mounting with separate surface mounting frame
- ▶ -o- 3x2,5 mm<sup>2</sup> ja 5x2,5 mm<sup>2</sup> (DALI)
- ▶ Power source can be placed on the top of the panel or beside it

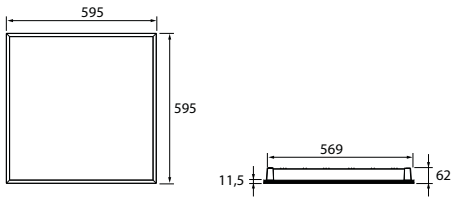
### Made to order

- ▶ Mounting kit for concealed grid ceiling
- ▶ With luminaire integrated sensors
- ▶ Optimized luminous flux versions to projects
- ▶ Project tailoring with different cables
- ▶ Emergency models

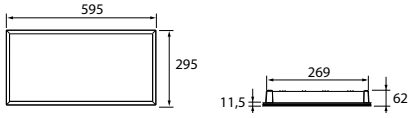
E number	Type	Product name	Kg	Length	Height	Width	Luminous flux
<b>Frida LED 600x600 - opal diffuser</b>							
42 614 62	FRI6X6022	FRI6X6022 15W/840 O AC	4,2	595	62	595	2300 lm
42 614 77	FRI6X6022/830	FRI6X6022 15W/830 O AC	4,2	595	62	595	2200 lm
42 614 64	FRI6X6033	FRI6X6033 21W/840 O AC	4,2	595	62	595	3440 lm
42 614 78	FRI6X6033/830	FRI6X6033 21W/830 O AC	4,2	595	62	595	3300 lm
42 614 66	FRI6X6040	FRI6X6040 26W/840 O AC	4,2	595	62	595	4170 lm
42 614 79	FRI6X6040/830	FRI6X6040 26W/830 O AC	4,2	595	62	595	4000 lm
42 614 68	FRI6X6043	FRI6X6043 28W/840 O AC	4,2	595	62	595	4540 lm
42 614 80	FRI6X6043/830	FRI6X6043 28W/830 O AC	4,2	595	62	595	4350 lm
42 614 70	FRI6X6050	FRI6X6050 33W/840 O AC	4,2	595	62	595	5300 lm
42 614 81	FRI6X6050/830	FRI6X6050 33W/830 O AC	4,2	595	62	595	5080 lm
<b>Frida LED 600x600 - opal diffuser DALI</b>							
42 614 63	FRI6X6022ED	FRI6X6022ED 15W/840 O AC DALI	4,2	595	62	595	2300 lm
42 614 65	FRI6X6033ED	FRI6X6033ED 21W/840 O AC DALI	4,2	595	62	595	3440 lm
42 614 67	FRI6X6040ED	FRI6X6040ED 26W/840 O AC DALI	4,2	595	62	595	4170 lm
42 614 69	FRI6X6043ED	FRI6X6043ED 28W/840 O AC DALI	4,2	595	62	595	4540 lm
42 614 71	FRI6X6050ED	FRI6X6050ED 33W/840 O AC DALI	4,2	595	62	595	5300 lm



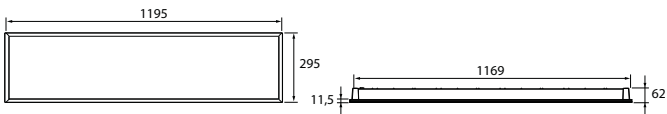
E number	Type	Product name	Kg	Length	Height	Width	Luminous flux
<b>Frida LED 600x600 - microprismatic optics</b>							
42 614 52	FRI6X6M22	FRI6X6M22 15W/840 MP	4,2	595	62	595	2210 lm
42 614 72	FRI6X6M22/830	FRI6X6M22 15W/830 MP	4,2	595	62	595	2120 lm
42 614 54	FRI6X6M33	FRI6X6M33 21W/840 MP	4,2	595	62	595	3310 lm
42 614 73	FRI6X6M33/830	FRI6X6M33 21W/830 MP	4,2	595	62	595	3170 lm
42 614 56	FRI6X6M40	FRI6X6M40 26W/840 MP	4,2	595	62	595	4010 lm
42 614 74	FRI6X6M40/830	FRI6X6M40 26W/830 MP	4,2	595	62	595	3840 lm
42 614 58	FRI6X6M43	FRI6X6M43 28W/840 MP	4,2	595	62	595	4360 lm
42 614 75	FRI6X6M43/830	FRI6X6M43 28W/830 MP	4,2	595	62	595	4180 lm
42 614 60	FRI6X6M50	FRI6X6M50 33W/840 MP	4,2	595	62	595	5090 lm
42 614 76	FRI6X6M50/830	FRI6X6M50 33W/830 MP	4,2	595	62	595	4880 lm
<b>Frida LED 600x600 - microprismatic optics DALI</b>							
42 614 53	FRI6X6M22ED	FRI6X6M22ED 15W/840 MP DALI	4,2	595	62	595	2210 lm
42 614 55	FRI6X6M33ED	FRI6X6M33ED 21W/840 MP DALI	4,2	595	62	595	3310 lm
42 614 57	FRI6X6M40ED	FRI6X6M40ED 26W/840 MP DALI	4,2	595	62	595	4010 lm
42 614 59	FRI6X6M43ED	FRI6X6M43ED 28W/840 MP DALI	4,2	595	62	595	4360 lm
42 614 61	FRI6X6M50ED	FRI6X6M50ED 33W/840 MP DALI	4,2	595	62	595	5090 lm
<b>Frida LED 300x600 - opal diffuser</b>							
42 614 48	FRI3X6O21	FRI3X6O21 15W/840 O AC	3,3	595	62	295	2210 lm
42 614 49	FRI3X6O21ED	FRI3X6O21ED 15W/840 O AC DALI	3,3	595	62	295	2210 lm
42 614 50	FRI3X6O25	FRI3X6O25 17W/840 O AC	3,3	595	62	295	2580 lm
42 614 51	FRI3X6O25ED	FRI3X6O25ED 17W/840 O AC DALI	3,3	595	62	295	2580 lm
<b>Frida LED 300x600 - microprismatic optics</b>							
42 614 44	FRI3X6M21	FRI3X6M21 15W/840 MP	3,3	595	62	295	2120 lm
42 614 45	FRI3X6M21ED	FRI3X6M21ED 15W/840 MP DALI	3,3	595	62	295	2120 lm
42 614 46	FRI3X6M25	FRI3X6M25 17W/840 MP	3,3	595	62	295	2480 lm
42 614 47	FRI3X6M25ED	FRI3X6M25ED 17W/840 MP DALI	3,3	595	62	295	2480 lm
<b>Frida LED 300x1200 - opal diffuser</b>							
42 614 34	FRI3X12O22	FRI3X12O22 15W/840 O AC	5,7	1195	62	295	2270 lm
42 614 35	FRI3X12O22ED	FRI3X12O22ED 15W/840 O AC DALI	5,7	1195	62	295	2270 lm
42 614 36	FRI3X12O33	FRI3X12O33 21W/840 O AC	5,7	1195	62	295	3390 lm
42 614 37	FRI3X12O33ED	FRI3X12O33ED 21W/840 O AC DALI	5,7	1195	62	295	3390 lm
42 614 38	FRI3X12O40	FRI3X12O40 26W/840 O AC	5,7	1195	62	295	4110 lm
42 614 39	FRI3X12O40ED	FRI3X12O40ED 26W/840 O AC DALI	5,7	1195	62	295	4110 lm
42 614 40	FRI3X12O43	FRI3X12O43 28W/840 O AC	5,7	1195	62	295	4470 lm
42 614 41	FRI3X12O43ED	FRI3X12O43ED 28W/840 O AC DALI	5,7	1195	62	295	4470 lm
42 614 42	FRI3X12O50	FRI3X12O50 33W/840 O AC	5,7	1195	62	295	5220 lm
42 614 43	FRI3X12O50ED	FRI3X12O50ED 33W/840 O AC DALI	5,7	1195	62	295	5220 lm
<b>Frida LED 300x1200 - microprismatic optics</b>							
42 614 23	FRI3X12M22	FRI3X12M22 15W/840 MP	5,7	1195	62	295	2170 lm
42 614 24	FRI3X12M22ED	FRI3X12M22ED 15W/840 MP DALI	5,7	1195	62	295	2170 lm
42 614 25	FRI3X12M33	FRI3X12M33 21W/840 MP	5,7	1195	62	295	3250 lm
42 614 26	FRI3X12M33ED	FRI3X12M33ED 21W/840 MP DALI	5,7	1195	62	295	3250 lm
42 614 28	FRI3X12M40	FRI3X12M40 26W/840 MP	5,7	1195	62	295	3940 lm
42 614 29	FRI3X12M40ED	FRI3X12M40ED 26W/840 MP DALI	5,7	1195	62	295	3940 lm
42 614 30	FRI3X12M43	FRI3X12M43 28W/840 MP	5,7	1195	62	295	4290 lm
42 614 31	FRI3X12M43ED	FRI3X12M43ED 28W/840 MP DALI	5,7	1195	62	295	4290 lm
42 614 32	FRI3X12M50	FRI3X12M50 33W/840 MP	5,7	1195	62	295	5010 lm
42 614 33	FRI3X12M50ED	FRI3X12M50ED 33W/840 MP DALI	5,7	1195	62	295	5010 lm



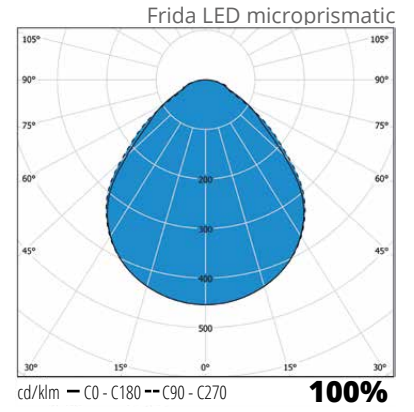
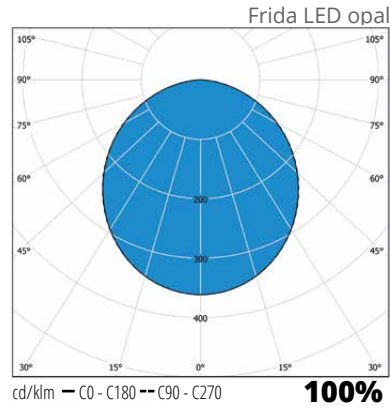
Frida LED 600x600



Frida LED 300x600



Frida LED 300x1200



Luminaires per miniature circuit breaker on/off & DALI	C10	C16	B10	B16
FRI6X6x22	56	89	56	89
FRI6X6xx	34	54	34	54
FRI3X6xx	56	89	56	89
FRI3X12x22	56	89	56	89
FRI3X12xx	34	54	34	54



# Frida

## Code key

**F R I 6 X 6 M 4 3 E D** / **8 3 0** - **B L K**

### Luminaire

> **FRI** Frida

### Size

- > **6X6** 595 mm x 595 mm
- > **3X12** 295 mm x 1195 mm
- > **3X6** 295 mm x 595 mm

### Optics

- > **M** Microprismatic diffuser
- > **O** Opal diffuser

### Luminous flux

> Check table below

### Dimming / Control

- > Basic on/off
- > **ED** DALI
- > **A2** ActiveAhead gen2, no sensor, Wireless Bluetooth
- > **A2L** ActiveAhead gen2 Low Bay PIR sensor, Wireless Bluetooth
- > **MC** MasterConnect
- > **MCS** MasterConnect with sensor
- > **CA** Casambi
- > **CAS** Casambi with sensor

### CCT (CRI)

- > CRI 80 and 4 000K
- > **830** CRI 80 and 3 000K
- > **940** CRI 90 and 4 000K
- > **930** CRI 90 and 3 000K
- > **8TW** CRI 80 Tunable white 2700K-6500K
- > **9TW** CRI 90 Tunable white 2700K-6500K

### Luminaire colour

- > White
- > **BLK** Black

Luminous flux indicator	Size 6x6		Size 3x12		Size 3x6	
	Microprism	Opal	Microprism	Opal	Microprism	Opal
22	2210	2300	2170	2270		
33	3310	3440	3250	3390		
40	4010	4170	3940	4110		
43	4360	4540	4290	4470		
50	5090	5300	5010	5220		
21					2120	2210
50					2480	2580



The even, glare-free light produced by the luminaire facilitates precision-requiring patient work carried out in operating theatres and contributes to the wellbeing and health of the people using the premises.

