



Introducing the
FIERO MEDICAL OPAL



FIERO MEDICAL OPAL is an efficient back-lit LED panel for medical applications with high colour rendering index of Ra 97. The luminaire is sealed from underneath with a durable finish to enable easy cleaning.



FIERO MEDICAL OPAL



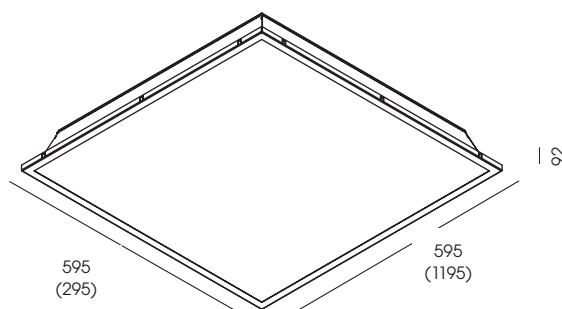
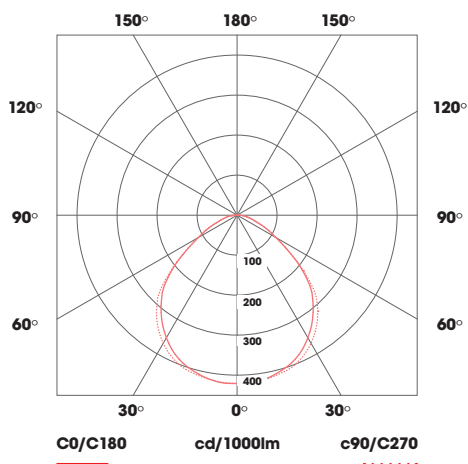
Product Benefits

- Attractive and efficient
- Cyanosis Observation Index (COI) of 2.3 (maximum allowable < 3.3)
- Modern sleek design
- Low maintenance
- Integral LED driver
- Easy installation
- SABS approved driver
- SANS-IEC 60598 safety compliance and mark



Product Features

- Highly efficient back-lit opal diffuser or optional quadraprism
- Variable light output possible by adjusting LED drive current
- Options include DALI dimming, LI-Connect Bluetooth mesh control, tuneable white, emergency and sensor including Organic Response sensor
- Long life
- Available in 600x600 or 1200x300 or 1200x600 ceiling format
- LED life $L_{80}B_{10}$ – 50 000 hours
- Driver life F_{10} – 50 000 hours
- Supply = 220–240V 50–60Hz PF>0.95
- Ripple current (flicker) < 5%
- 5 year guarantee



Cyanosis Observation Index (COI)

Clinical observation is an important part of medical diagnosis, along with the early detection of cyanosis. Cyanosis is the bluish discoloration in the skin and mucous membranes that indicate oxygen levels in the blood are dangerously depleted. The standard defines Cyanosis Observation Index with an open ended numerical scale which ranks an artificial light source for the purpose of visual observation, a key fundamental to medical practitioners. This scale or COI cannot be greater than 3.3.

Luminaire Wattage	Luminaire Output (Lumens)	Colour Temperature	Efficacy lm/W	Ra (CRI)	UGR	Reference Code
600 x 600						
36W (475mA)	3 475	4000K	97	>97	< 21.0	RLRm-36W-6-OPAL Ra95
44W (550mA)	4 000	4000K	91	>97	< 21.5	RLRm-44W-6-OPAL Ra95
1200x300						
36W (475mA)	3 475	4000K	97	>97	< 21.0	RLRm-36W-12*3-OPAL Ra95
44W (550mA)	4 000	4000K	91	>97	< 21.5	RLRm-44W-12*3-OPAL Ra95
1200 x 600						
60W (400mA)	5 590	4000K	93	>97	< 20.2	RLRm-60W-12-OPAL Ra95
85W (550mA)	7 660	4000K	90	>97	< 21.3	RLRm-85W-12-OPAL Ra95