

FS209E class 1000 | ISO 14644 class 6

Front access luminaire designed for modular 'T' and cut aperture ceilings in clean and sterile environments. IP65 (front) / IP54 (rear) ensures the ceiling integrity is maintained at all times, even when the cover is removed.



LOW GLARE (LP)  
157 llm/cW

SATIN (S)  
161 llm/cW



Hospitals



Pharmacies



Laboratories



Pharmaceutical  
production



Electronics  
manufacturing



Semiconductor  
manufacturing



Food prep.  
manufacturing

## FEATURES

- Fixed output, 4000K, CRI80 as standard
- Conforms to FS209E class 1000, ISO14644 class 6 standard
- IP65 (front) / IP54 (rear)
- LUX Guard, LED protection
- Removable LED platform for improved sustainability and longer life cycle

## EMERGENCY OPTIONS, 3 HOUR INTEGRAL

- Standard, Self-test, DALI or SmartScan

## OPTIONS

- Through access hatch add suffix '+AH'
- Low glare: variant, providing <UGR19 suffixed "LP" on part code
- Toughened glass front panel: For applications where corrosive cleaning agents may be applied. Glass is supplied in addition to the satin polycarbonate panel
- For satin polycarbonate with toughened glass replace 'S' suffix with 'TGS'. For variant with toughened glass replace 'LP' with 'LG'. Glass is supplied as a replacement to the polycarbonate

## OPTIONS AVAILABLE ON REQUEST

- Special RAL colour
- Antimicrobial paint
- 3000K or 6500K LED light engine
- CRI90 LED light engine
- Stainless steel frame
- Spring T compatible variants
- Colour option available in Epsilon Chroma range

## FINISHES

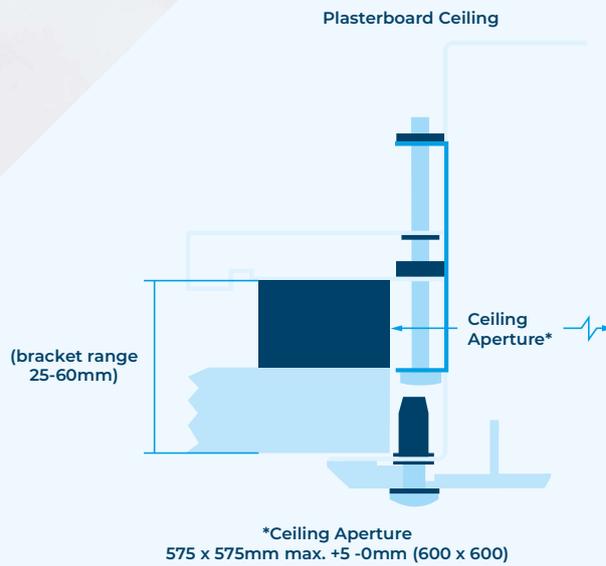
RAL9016  
White



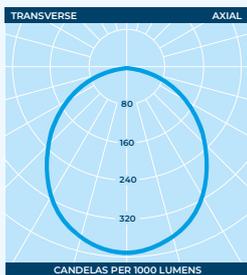


### CONSTRUCTION

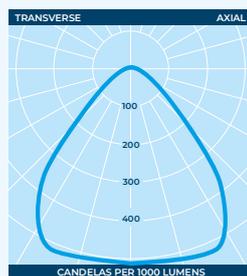
- Zinc plated steel body
- Chamfered 55mm aluminium diffuser frame, with welded and finished corners
- Polyester powder coated body and frame
- Polycarbonate fire-retardant diffuser, TP(a)
- White EPDM closed cell gaskets



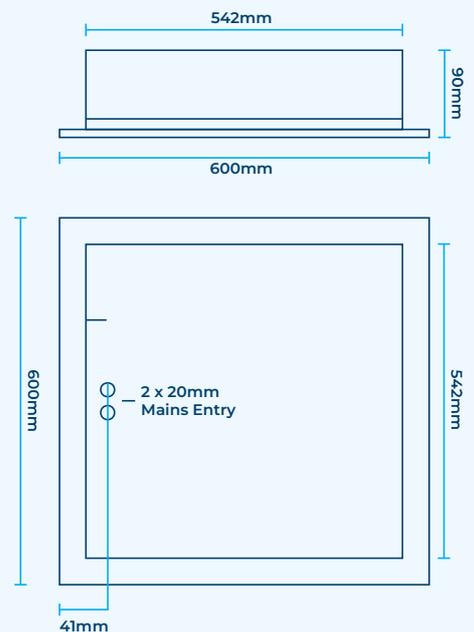
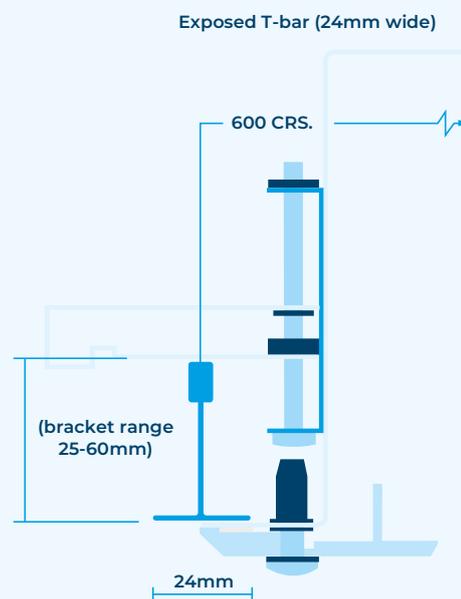
### PHOTOMETRY



SATIN



LOW GLARE



WATTAGE*	CAT. NO.	NOMINAL SIZE	CUT APERTURE	LUMENS	LL/CW	APPROX. kg
26W	EPS2240L4S	600mm x 600mm	575 mm x 575 mm	4061	157	11.0
33W	EPS2253L4S			5330	160	
42W	EPS2266L4S			6689	161	
50W	EPS2277L4S			7778	157	
53W	EPS2282L4S			8273	156	
64W	EPS2299L4S			9991	157	
90W	EPS22137L4S**			13708	153	
26W	EPS2240L4LP			4009	155	
32W	EPS2250L4LP			5071	157	
39W	EPS2260L4LP			6007	156	
40W	EPS2262L4LP			6252	156	
51W	EPS2278L4LP			7823	155	
57W	EPS2289L4LP			8947	156	
65W	EPS2299L4LP			9979	153	
73W	EPS22111L4LP**			11162	154	
79W	EPS22119L4LP**			11929	151	

CONTROLS OPTIONS - suffix catalogue number with:  
**DALI-DIM** - DALI dimmable / **SSCAN** - SmartScan  
 e.g. **EPS2240L4S+DALI-DIM**

EMERGENCY OPTIONS - suffix catalogue number with:  
**EM** - Standard 3 hour integral / **EM-ST** - Emergency Self-test  
 3 hour integral / **DALI-EM** - DALI 3 hour integral / **SSCAN-EM**  
 - SmartScan 3 hour integral  
 e.g. **EPS2240L4S+EM**

\*\*All iterations of integral emergency not available  
 in this luminaire variant.

\*Figures rounded to the nearest whole number.



Particle PPM



Recessed



Front Access



IP54 Above  
IP65 Below



Cut Aperture



Modular "T"  
Ceilings



TP(a)  
Diffuser



SmartScan  
Compatible



UKCA



CE Mark

## LED CHARACTERISTICS

CRI	80+
COLOUR TEMPERATURE	4000K
RATED LIFE (HOURS)	100K-L80/B10
PROTECTION	LUX GUARD
DRIVER EFFICIENCY	91%
REPLACEABLE	YES
POWER FACTOR	>0.9
ENERGY EFFICIENCY CLASSIFICATION	A
<b>LL/CW</b>	<b>161</b>

### SmartScan Configurations



Find out more at [www.thorlux.com/smartsan](http://www.thorlux.com/smartsan)

