next generation led

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Short Bay 150~220W

Properties

- Lifespan L80B0 % : > 100.000 hr
- Energy savings up to 65%
- Provides an exceptional flexible, scalable platform, perfect lighting outcomes across a broad range of design challenges
- Wireless lighting control in option
- Vertical convection cooling
- Suspension or surface mount
- 384 LED chips per bar
- No UV radiation, high light uniformity and minimized glare

IP 64

150 lm / W

Specifications

Shortbay		
Power	180W (4 modules/bars)	220W (5 modules/bars)
Luminous flux	25.200 lm	33.000 lm
Number of led	1536pcs	1920pcs
Input voltage	AC 100 - 240 V 50/60Hz	
Color rendering index	Ra >90	
Color temperature	4000 K (3K, 5K, 6K available)	
Temperature in use	**- 40°C ~ 50°C**	
Beam Angle	Adaptive	
Size	1164x200x121mm	1164x242x121mm

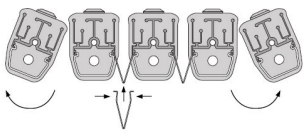
Application

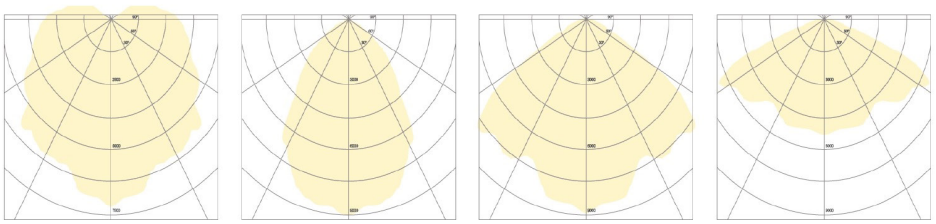
Showroom, auditorium, warehouse, factory, ...

Updated: December 2020

Adaptive optics

The products feature rotationalarrays, with optionalreflectors packs, that snap between heatsinks. A unique combination that allows for narrow aisle and wide area lighting from a single luminaire. Optics that adjusted on installation to optimise lighting outcomes.





Reflectors to Centre Outer Bars Rotated 45°

Reflectors to Centre Non Rotated

Reflectors to Centre Outer Bars Rotated 25°

Rotated Arrays No Reflectors

Specifications

Up to 100,000 Hrs to L85 and a minimum performance warranty of L70 to five years at maximum ambient temperatures.

With up to 384 individual LEDs per bar operating at just 46% maximum drive current, ShortBay guarantees superb efficiency and maximum service life

Each bar consists of a single PCB, bonded directly to an aluminium heatsink. Optimising transfer of thermalload, with a maintained Tjjust 25ºC above ambient.

A laser cut and machine folded rigid steelframe provides a the structural base for the fullproduct range, and is the gear tray onto which the power assembly is mounted.

Allowing space between the heatsink and driver plate, eliminates thermal transfer between driver and LED with free air convection to cool components.

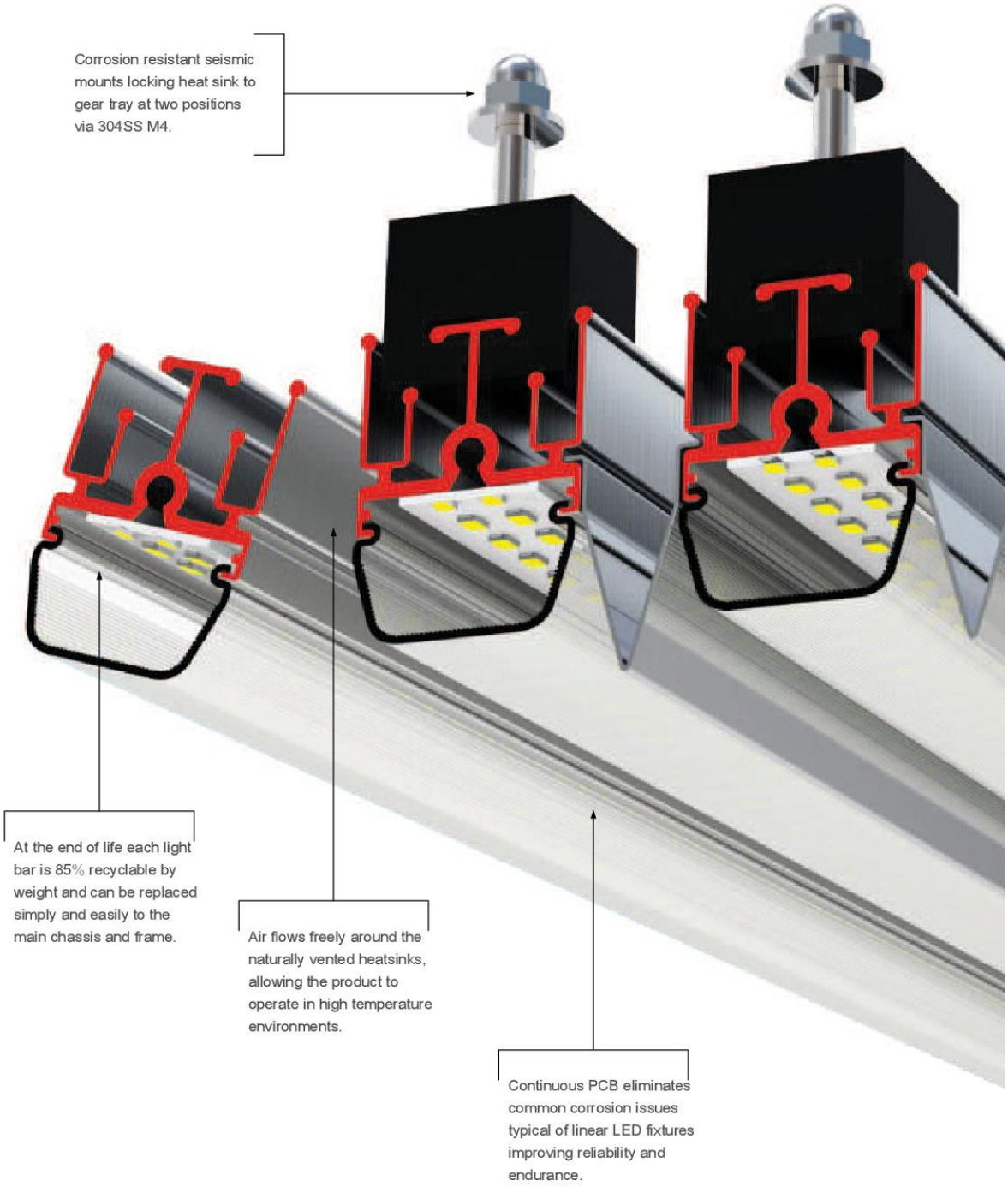
LEDs are sensitive to chemicals such as bromides at just 1.5 PPM. To protect the LED assembly is sealed with a chemicaland moisture coating prior to assembly.

A drain hole penetrates the base at each end of the heatsink prevents build up of moisture in areas with dripping water or heavy condensation.

Food safe, lenticular lenses, provide IP64 protection to each light bar, with a smooth outer surface that minimises the build up of dust and grime

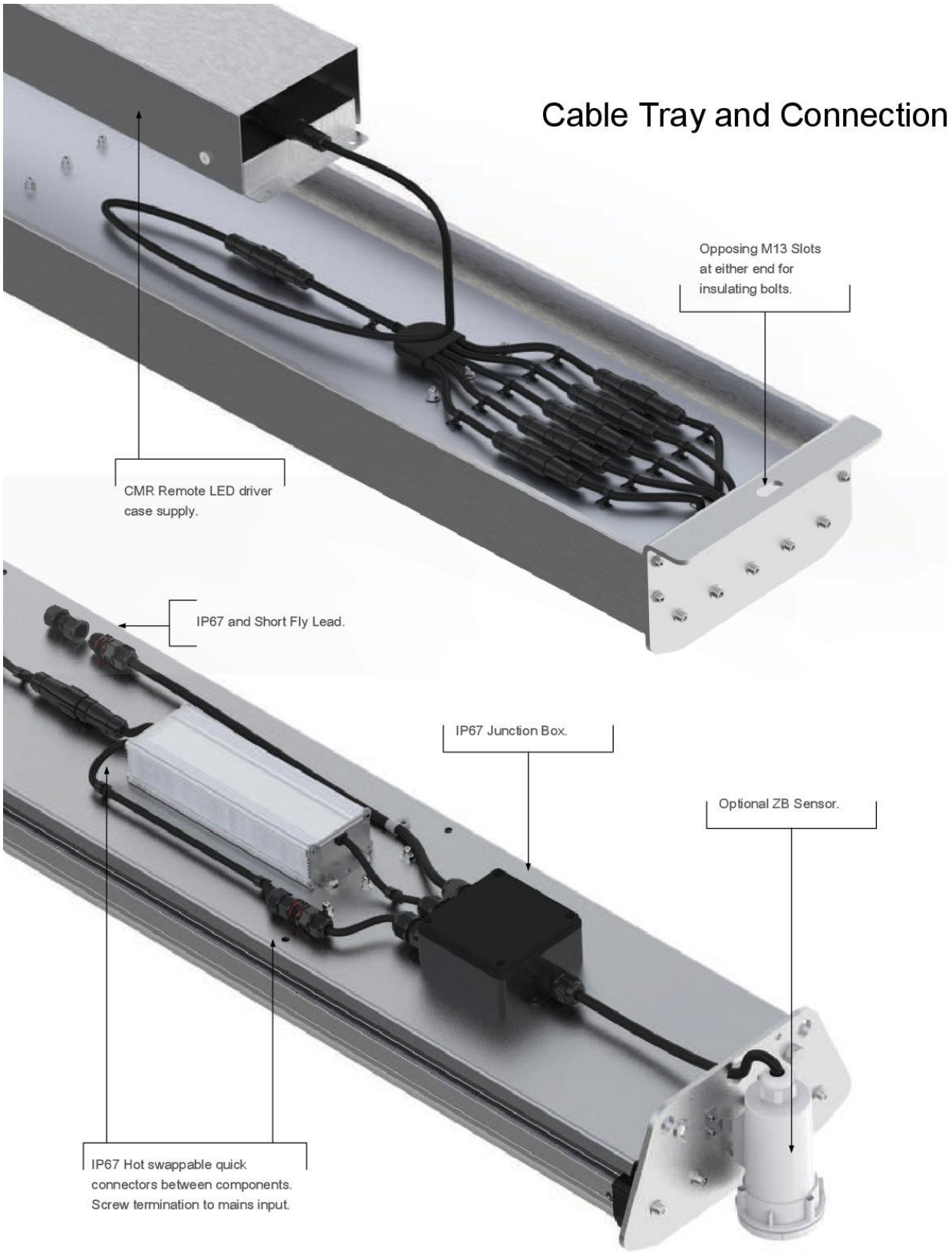
Each lite bar terminates at the end plate with a rubber mount to cushion against vibration, fixed to the heatsink by a 304SS M4 machine screw.

Specifications



Specifications

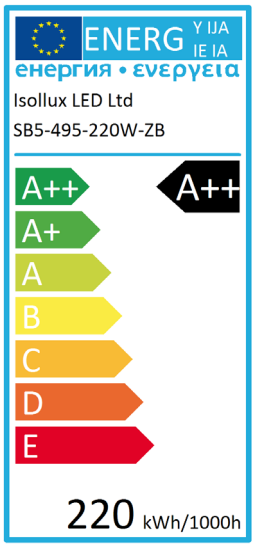
Cable Tray and Connection

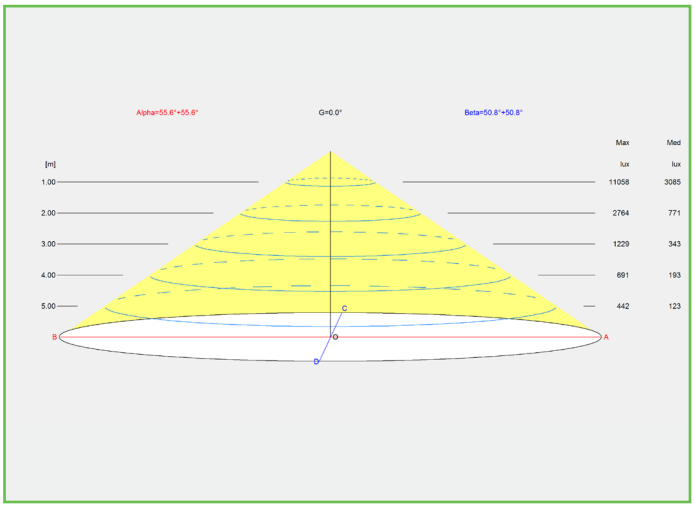


Pictured : CMR5-UT-585-180W-DA (TOP)SB5-HB-585-180W-ZB with optional IRTEC ZigBee Sensor (Bottom)

ENERGYLABEL

Electrical appliances carry an energy label. This label prints the so-called energy efficiency score in classes. These classes range from 'very energy efficient' (A++) to 'very waste of energy' (E).
A more expensive new device may eventually turn out to be cheaper if the energy score is good. IPEA is the new system for luminaire energy efficiency assessment.



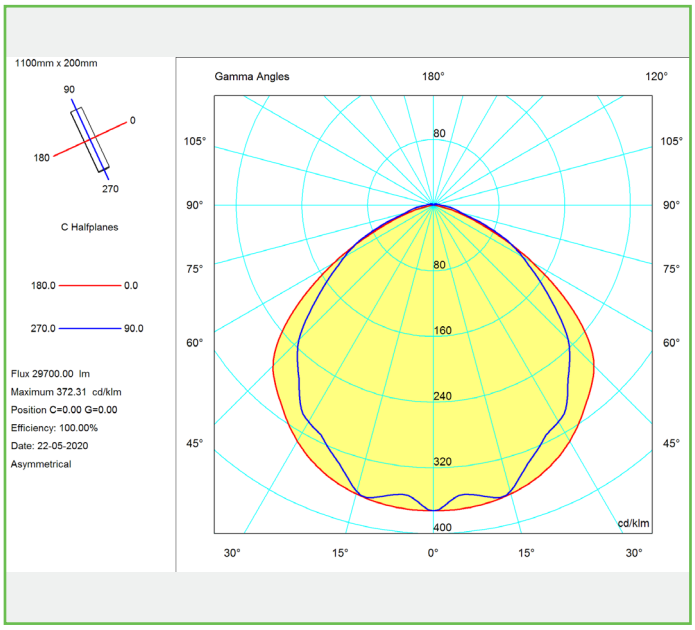


BEAM

The Illuminance Cone Diagram indicates the maximum illuminance at different distances from the fixture.

POLAR DIAGRAM

The polar luminous intensity graph illustrates the distribution of luminous intensity, in candelas, for the transverse (solid line) and axial (dashed line) planes of the luminaire. The shown curve provides a visual guide to the type of distribution expected from the luminaire e.g. wide, narrow, direct, indirect... in addition to intensity.



ngl
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SHORT BAY

REFERENCE	WATT	LUMEN	COLOR	BUNDEL	DIMMING
181-0004	180 W	25200 lm	4000 K	Adaptive	Optional
181-0005	220 W	33000 lm	4000 K	Adaptive	Optional