

Applications

- Low Bay
- Troffer Replacement

The Low Bay Industrial LED Luminaire is a long-life, powerful, and energy efficient alternative to fluorescent and some metal halide low bay light fixtures. It is designed for use in factories, warehouses, mines and other industrial environments.

This luminaire is produced in an easy-to-install, simple, compact and robust format that doesn't require special wiring or ballast. Designed with energy savings in mind, the luminaire also provides natural white light and high colour rendering - all the traits necessary for good visibility. With no warm up time needed, facility managers can be assured of the comfort and safety of their tenants wherever these luminaires may be used.

Coolon's range of industrial LED lighting products come with 3 Years Manufacturer's Warranty.

Technical Specifications

Luminaire

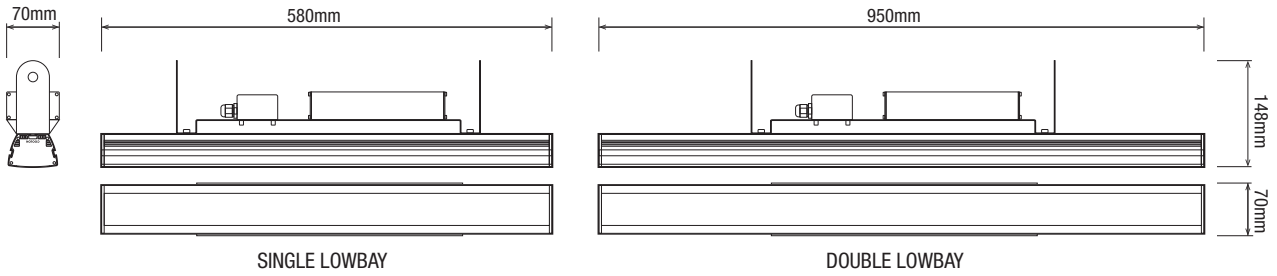
| | |
|---|--|
| Luminous Flux | 2500 - 3500 lm (Single) 4500 - 5500 lm (Double) |
| Power Consumption (including power supply) | 55W Max (Single) 90W Max (Double) |
| Power Supply (Built In) | Meanwell 24VDC 100W |
| Operating Voltage Range | 90-295VAC, 127-417VDC |
| Frequency Range | 47-63Hz |
| Leakage Current | <0.75mA/240VAC |
| Inrush Current | Cold Start 40A/230VAC |
| Current Consumption | 0.23A Max (Single) 0.39A Max (Double) |
| IP Rating | IP66 |
| Power Factor | >0.95 |
| Weight | 3.2kg (Single) 4.0kg (Double) |

Light Module

| | |
|------------------------|--|
| LED Efficacy | Up to 90lm/w @ 25°C |
| Max. Operating Voltage | 26V |
| Min. Operating Voltage | 23V |
| Body | Aluminium Alloy* (Marine Grade Black Anodised) |

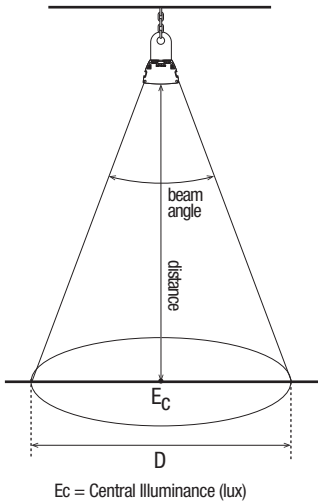
*Composition available on request

Dimensions



Illuminance at Distance

Application: Low bay



LB3-D-L30-ST

| Distance | Ec at Centre (Lux) | D-Effect Diameter (m) |
|----------|--------------------|-----------------------|
| 1.5m | 1054 | 5 |
| 2.0m | 640 | 6 |
| 2.5m | 427 | 8 |
| 3.0m | 295 | 10 |
| 3.5m | 228 | 12 |
| 4.0m | 174 | 14 |

LB5-D-L30-ST

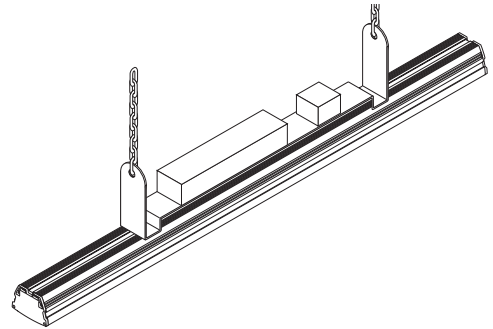
| Distance | Ec at Centre (Lux) | D-Effect Diameter (m) |
|----------|--------------------|-----------------------|
| 1.5m | 1380 | 5 |
| 2.0m | 923 | 6 |
| 2.5m | 630 | 8 |
| 3.0m | 465 | 10 |
| 3.5m | 338 | 12 |
| 4.0m | 278 | 14 |

| | |
|--------------------|-------------|
| Ambient Temp. (°C) | 25 |
| Light Meter | PSI MobiLUX |
| Error Margin | 10% |

Note: This data is listed for illustration only. It should not be used for lighting design purposes.

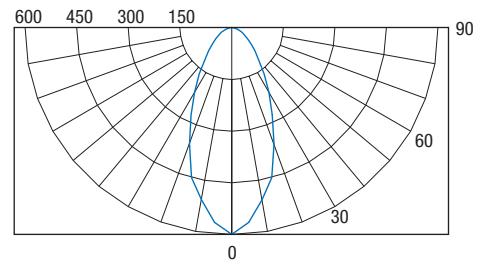
Light test was conducted in the dark room, under an ambient temperature of 25°C, with NATA calibrated light meter.

Configuration



Other mounting and remote powered configurations are available.

Polar Distribution



Ordering Information

ORDERING EXAMPLE

LB3 - **D**¹ - **L30** - **ST**¹
 PRODUCT CODE OPTIONS OPTICS TYPE

PRODUCT CODE

LB3 Single Low Bay 580mm
 LB5 Double Low Bay 950mm

OPTIONS

D Diffused Cover
 C Clear Cover

OPTICS

L30 Internal Lens 30° Beam Angle

TYPE

ST Standard Configuration, Mains Power via Junction Box
 LV Low Voltage Configuration, 24VDC

¹ If not specified, diffused cover and standard configuration will be supplied