

INDU BAY GEN3



Setting the benchmark in high-bay lighting

With the 3rd generation INDU BAY, Schröder offers the leading luminaire for lighting industrial facilities with a minimised total cost of ownership.

More efficient, light, versatile and smart, it delivers the best solution on the market today for high-bay applications. It outperforms all other fixtures thanks to its superior ability to save energy and deliver performance over time.

Available with four different typical lumen packages, various light distributions and mounting options, INDU BAY GEN3 adapts the lighting to meet the specific needs of your environment.

It not only lowers your investment. It maximises it by providing a comfortable environment for your staff while limiting consumption to what is absolutely necessary.

Thanks to its reliable performance, low dust accumulation and no need for relamping, INDU BAY GEN3 minimises maintenance costs.

| | | |
|-------|-------|-------|
| IP 66 | IK 10 | IK 08 |
| | | CE |
| | | |



Concept

INDU BAY GEN3 is an LED high-bay luminaire designed for plant and facility managers looking for efficient lighting with a fast return on investment.

The INDU BAY GEN3 luminaires are composed of a two-piece housing made of painted die-cast aluminium. The protector (in glass or polycarbonate) is fixed to the housing and sealed by a rubber gasket. A fork mounting system enables the luminaire to be inclined on-site for a precise adjustment.

The different light outputs of the INDU BAY GEN3 luminaires make them perfect for multiple indoor and outdoor lighting applications. Three typical photometries are available: circular 70° and rectangular 100x40° distributions, both with a polycarbonate protector, and wide 110° distribution with frosted glass protector.

With a high impact resistance and tightness level as well as a wide range of operating temperatures, the INDU BAY GEN3 luminaires have been designed to withstand harsh environments and deliver performance over time.

The INDU BAY GEN3 range is available with four typical lumen packages to offer a beneficial alternative to fixtures equipped with traditional light sources:

- INDU BAY GEN3 1 as an alternative to HID 150W
- INDU BAY GEN3 2 as an alternative to HID 200W
- INDU BAY GEN3 3 as an alternative to HID 250W
- INDU BAY GEN3 4 as an alternative to HID 400W

Types of application

- Industrial halls & warehouses
- Large areas
- Sport areas
- Car parks

Key advantages

- One-to-one replacement for HID floodlights from 40W to 400W
- High energy savings compared to systems with traditional discharge lamps
- Light-on-demand feature with optional motion sensor
- Emergency lighting with optional battery
- Visual comfort (UGR <22 and CRI 80+)
- No hazardous materials
- Fast ROI due to long life-time and reduced maintenance
- Compact housing optimised for heat dissipation and reduced dust accumulation
- Dedicated range of mounting accessories
- Compatible with Schröder's indoor and outdoor control system via DALI and 1-10V



INDU BAY GEN3 is equipped with a graduated U bracket for precise on-site settings and a versatile mounting.



INDU BAY GEN3 offers a hook for mounting with a suspension chain.



Three light distributions are available to always offer the best solution.



INDU BAY GEN3 can be equipped with an optional motion sensor for light-on-demand scenarios.

GENERAL INFORMATION

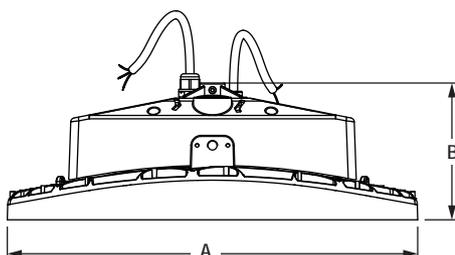
| | |
|---------------------------------|---|
| Recommended installation height | 4m to 12m 13' to 40' |
| Driver included | Yes |
| CE mark | Yes |
| ENEC certified | Yes |
| ROHS compliant | Yes |
| Testing standard | LM 79-80 (all measurements in ISO17025 accredited laboratory) |

HOUSING AND FINISH

| | |
|---|---|
| Housing | Die-cast aluminium |
| Protector | Polycarbonate (circular and rectangular light distributions) Frosted glass (wide light distribution) |
| Housing finish | Polyester powder coating |
| Colour | RAL 7040 window grey |
| Tightness level | IP 66 |
| Impact resistance | IK 10 (PC) IK 08 (glass) IK 08 with optional motion sensor and/or auxiliary battery |
| Safety compliance against ball throwing | DIN18 032-3:1997-04 according to EN 13 964 Annex D |

DIMENSIONS AND MOUNTING

| | |
|--------------------|---|
| AxB (mm inch) | INDU BAY GEN3 1 – 330x122 13x4.8 |
| | INDU BAY GEN3 2 – 330x122 13x4.8 |
| | INDU BAY GEN3 3 – 400x135 15.7x5.3 |
| | INDU BAY GEN3 4 – 400x135 15.7x5.3 |
| Weight (kg lbs) | INDU BAY GEN3 1 – 4.5 9.9 |
| | INDU BAY GEN3 2 – 4.5 9.9 |
| | INDU BAY GEN3 3 – 6.8 15 |
| | INDU BAY GEN3 4 – 6.8 15 |
| Standard mountings | Hook for suspension chain |
| | U bracket enabling adjustable inclination on-site |



ELECTRICAL INFORMATION

| | |
|-------------------------------------|---|
| Electrical class | EU class I |
| Nominal voltage | 220-240V – 50-60Hz |
| Power factor | > 90% at full load |
| Surge protection | 4kV/6kV (versions without PIR sensor) 2kV/6kV (versions with PIR sensor) |
| Electromagnetic compatibility (EMC) | EN 55015:2013/A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 61547:2009, EN 62493:2015 |
| Control options | No control, DALI or 1-10V |
| Sensor | Motion sensor (optional) |
| Auxiliary battery (emergency) | 500lm during 3 hours (optional) |

OPTICAL INFORMATION

| | |
|----------------------------------|-----------------------|
| LED colour temperature | 3000K (Warm white) |
| | 4000K (Neutral white) |
| | 6500K (Cool white) |
| Colour rendering index (CRI) | > 80 |
| Upward Light Output Ratio (ULOR) | 0% |

OPERATING CONDITIONS

| | |
|----------------------------------|---|
| Operating temperature range (Ta) | -30 °C up to +50 °C (*) -22 ° F up to 122 °F (*) |
|----------------------------------|---|

(*) Depending on the luminaire inclination and driving current. For more details, please contact us.

LIFETIME OF THE LEDS @ TQ 25°C

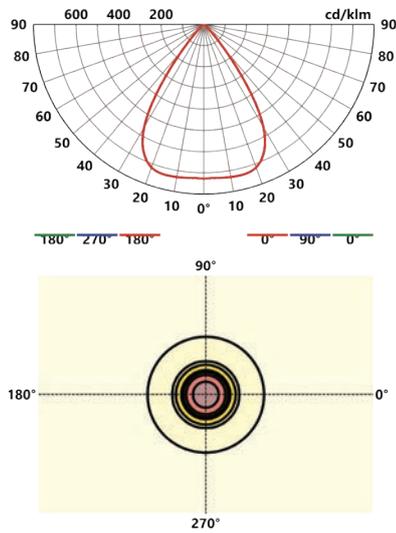
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|------------------|-------------------|
| For all versions | 50,000h – L90B10 |
| | 100,000h – L80B10 |



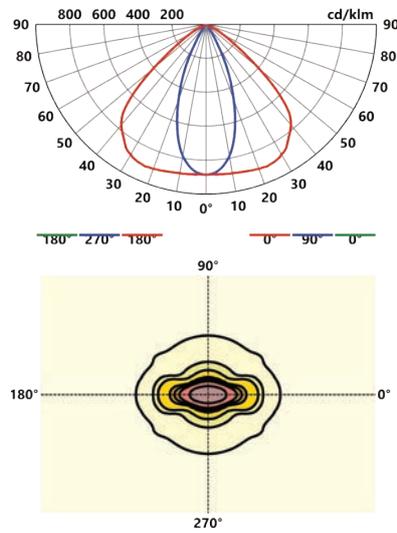
| Luminaire | Number of LEDs | Current (mA) | Luminaire output flux (lm) Warm White (3000K) - CRI 80 | | Luminaire output flux (lm) Neutral White (4000K) - CRI 80 | | Luminaire output flux (lm) Cool White (6500K) - CRI 80 | | Power consumption (W) | Luminaire efficacy (lm/W) | Photometry |
|-----------------|----------------|--------------|---|-------|--|-------|---|-------|-----------------------|---------------------------|---------------------------------|
| | | | Min | Max | Min | Max | Min | Max | | | |
| INDU BAY GEN3 1 | 400 | 2200 | 14600 | 15800 | 15200 | 16500 | 14900 | 16100 | 115 | 144 | Circular Rectangular Wide |
| INDU BAY GEN3 2 | 464 | 2750 | 18100 | 19600 | 19200 | 20800 | 18800 | 20400 | 140 | 149 | Circular Rectangular Wide |
| INDU BAY GEN3 3 | 576 | 3750 | 24400 | 26400 | 25800 | 27900 | 25300 | 27400 | 185 | 151 | Circular Rectangular Wide |
| INDU BAY GEN3 4 | 640 | 4250 | 27600 | 29900 | 29200 | 31600 | 28700 | 31000 | 210 | 151 | Circular Rectangular Wide |

Tolerance on LED flux is $\pm 7\%$ and on total luminaire power $\pm 5\%$

CIRCULAR – 70°



RECTANGULAR – 100X40°



WIDE – 110°

