

# 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, designed for the requirements of specific industries (metal, automotive, food and beverage...) and smart, it delivers the best solution on the market today for high-bay applications. It outperforms all other fixtures thanks to the substantial energy savings it generates and the performance it delivers over time.

Available with various lumen packages, 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 energy consumption to what is utterly necessary.

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



## 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. It offers a beneficial alternative to fixtures equipped with traditional light sources.

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 (silicon-free sealing). INDU BAY GEN3 is delivered with a hook for a suspension chain (not included). 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 luminaire make it perfect for multiple indoor and outdoor lighting applications. Three typical photometries are available: circular 70°, rectangular 100x40° (both with a polycarbonate protector) and wide 110° with a frosted glass protector or polycarbonate.

The INDU BAY GEN3 luminaires is designed to withstand harsh environments and deliver performance over time. It is characterised by a high impact resistance and tightness level as well as a wide range of operating temperatures.

High temperature variants (HT) have been designed for both sizes to withstand extremely hot environments (up to 70°C).

As an option, INDU BAY GEN3 can be equipped with an auxiliary battery, the INDU EMERGENCY PACK. In case of a power outage, it offers emergency lighting (500lm) for 3 hours. This feature reduces the inconvenience of a power grid failure and helps you to maintain a certain level of activity in your facilities.

INDU BAY GEN3 can also be equipped with a motion/daylight sensor for light-on-demand scenarios.



INDU BAY GEN3 is equipped with a graduated U-bracket for a precise on-site setting.



INDU BAY GEN3 HT offers dedicated solutions for extremely hot environments.



In case of emergency, an optional auxiliary battery can power the INDU BAY GEN3 for 3 hours to provide safety lighting.



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

## TYPES OF APPLICATION

- CAR PARKS
- LARGE AREAS
- INDUSTRIAL HALLS & WAREHOUSES
- SPORT FACILITIES

## KEY ADVANTAGES

- One-to-one replacement for HID fixtures from 40W to 400W
- High energy savings compared to systems with traditional discharge lamps
- Light-on-demand feature with optional motion sensor
- Robust design
- Emergency lighting with optional battery
- High visual comfort
- No hazardous materials and silicon-free
- Fast ROI thanks to long life span 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

## GENERAL INFORMATION

Recommended installation height	4m to 12m   13' to 39'
Driver included	Yes
CE mark	Yes
ENEC certified	Yes
ROHS compliant	Yes
TUV ball throwing compliant	Yes
IFS (food & beverage) rev 6.1 compliant	Yes
French law of December 27th 2018 - Compliant with application type(s)	a, b, c, d, e, f, g
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory)

## HOUSING AND FINISH

Housing	Aluminium
Optic	Polycarbonate
Protector	Frosted glass Polycarbonate (with integrated lenses)
Housing finish	Polyester powder coating
Standard colour(s)	RAL 7040 window grey
Tightness level	IP 66
Impact resistance	IK 08, IK 10
Safety compliance against ball throwing	DIN18 032-3:1997-04 according to EN 13 964 Annex D

· IK may be different according to the size/configurations. Please consult us.

## OPERATING CONDITIONS

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

· INDU BAY GEN3 1 and 2 HT withstand Ta up to 70 °C.

· Depending on the luminaire configuration. For more details, please contact us.

## ELECTRICAL INFORMATION

Electrical class	Class I EU
Nominal voltage	220-240V – 50-60Hz
Power factor (at full load)	0.9
Surge protection options (kV)	2 4 6
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 protocol(s)	1-10V, DALI
Sensor	Motion sensor (optional)
Emergency	Optional auxiliary battery

## OPTICAL INFORMATION

LED colour temperature	4000K (Neutral White 840) 5700K (Cool White 857)
Colour rendering index (CRI)	>80 (Neutral White 840) >80 (Cool White 857)
Upward Light Output Ratio (ULOR)	0%

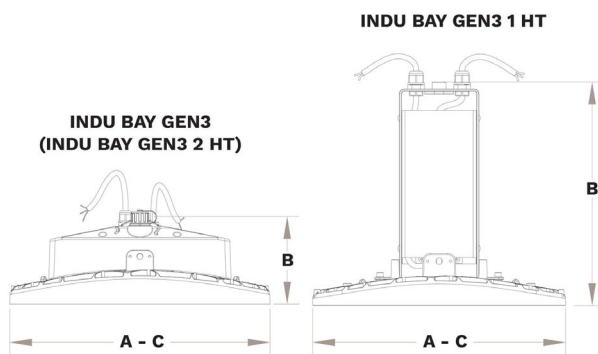
## LIFETIME OF THE LEDS @ TQ 25°C

All configurations	65,000h - L90 100,000h - L85
--------------------	---------------------------------

· Lifetime may be different according to the size/configurations. Please consult us.

## DIMENSIONS AND MOUNTING

AxBxC (mm   inch)	INDU BAY GEN3 1 - 330x124x330   13.0x4.9x13.0 INDU BAY GEN3 2 - 400x136x400   15.7x5.4x15.7 INDU BAY GEN3 1 EM - 330x124x330   13.0x4.9x13.0 INDU BAY GEN3 2 EM - 400x136x400   15.7x5.4x15.7 INDU BAY GEN3 1 HT - 330x338x330   13.0x13.3x13.0 INDU BAY GEN3 2 HT - 400x135x400   15.7x5.3x15.7
Weight (kg   lbs)	INDU BAY GEN3 1 - 4.5   9.9 INDU BAY GEN3 2 - 6.8   15.0 INDU BAY GEN3 1 EM - 4.5   9.9 INDU BAY GEN3 2 EM - 6.8   15.0 INDU BAY GEN3 1 HT - 5.6   12.3 INDU BAY GEN3 2 HT - 8.47   18.6
Mounting possibilities	Hook(s) for suspension Bracket enabling adjustable inclination

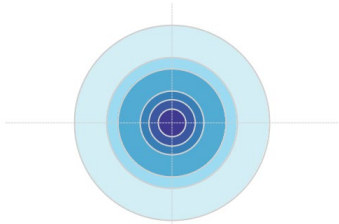
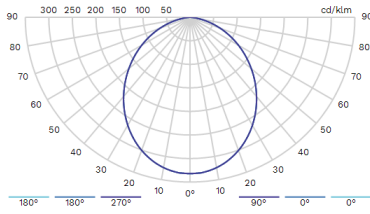




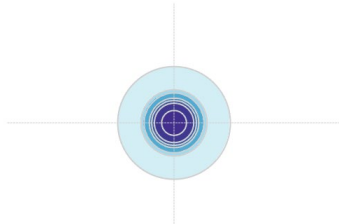
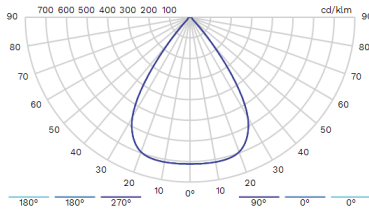
Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Cool White 857		Luminaire output flux (lm) Neutral White 840		Power consumption (W)	Luminaire efficacy (lm/W)
			Min	Max	Min	Max		
INDU BAY GEN3 1	400	88	15200	16500	15500	16800	115	146
	464	95	18800	20700	19100	21100	140	151
INDU BAY GEN3 2	576	104	25800	27900	26300	28400	185	154
	640	106	29100	31600	29700	32100	210	153
INDU BAY GEN3 1 EM	32	44	600	700	600	700	6	117
INDU BAY GEN3 2 EM	32	44	600	600	600	600	6	100
INDU BAY GEN3 1 HT	400	56	9800	10400	10100	10700	70	153
INDU BAY GEN3 2 HT	640	78	22600	24400	23000	24900	150	166

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

0 Wide beam



6399 Circular



6484 Elliptical Beam

