

HIGH BAY

Luminaires for the most demanding conditions

Model range: HBLA1

The original design guarantees operational reliability and durability of the luminaire

Highly efficient luminaire

Fully compatible with EN 12464-1



Professional suspended luminaires HBLA1 with verified operating reliability and fully compatible with EN 12464-1, designed for use in environments with wide range of temperatures and in dirty air.

The optional optic part and wide power range allows to optimize the choice of lamps for various lighting e.g. warehouses and factory buildings, commercial space, lighting under gantry cranes, lighting of corridors, sport areas, etc.

Professional luminaires HBLA1 series have a high operational reliability in the range of ambient temperatures from -40 °C to +60 °C. The luminaire can be complemented with aluminum shade for significant reduction of the UGR glare.

The MCOB (Multi Chip on Board) technology meets ANSI Binning standards to ensure the same color and intensity of light output. Each individual product fulfills the declared light parameters within $\pm 2.5\%$ range. The revitalization possibility of active technological parts reduces the TCO and extends the lifetime multiple times.

The long lifetime of the HBLA1 luminaire is a combination of a high-quality power supply and a custom MCOB with a patented heat sink design. The most efficient airflow cooling is achieved by the large surface of the vertical copper heat sink slates which has a special application with high resistance to dirt adhesion. This significantly extends the maintenance period and reduces the operating costs.

The power supply of the luminaire produces a steady luminous flux without a stroboscopic effect.



General information

number of light source:	1 pcs COB with patented heat dissipation
lifetime:	according to TM21: 121 500 hours
replaceable COB:	yes
cooling system	vertical high-conductivity (Cu) heat sink with anti-pollution coating and unique design with highly efficient heat transfer through air flow
replaceable driver:	yes
power driver:	from range HLG-xxxH or ELG
optical unit:	clear tempered glass
ecology:	does not contain mercury or silicone
mounting:	on the boom
static load:	excellent power/weight ratio

Technical parameters

operation temperature range:	-40 °C to + 60 °C
light output range:	80° or 110° symmetrically
CCT:	4 000 K, 5 000 K, 6 250 K or 3 000 K in range of chromaticity $\pm 2,5\%$
ingress protection:	IP66 with a durable PU seal
power supply:	90 V to 305 V~, 47 to 63 Hz PFC>0,96, MTBF: min.133 000 hrs
flicker index:	0
flicker frequency:	<1% / 100Hz in the whole range
management:	(A) without management (B) 1-10 V / PWM (D) DALI
MTBF:	826 700 hrs. - driver (D) Telcordia SR-332 (Bellcore)

Standards

- RoHS, IP66, hazardous light complies with Directive EC and Council 2013/35/EC
- Resistance according to EN 60598-1-2-3 +A1, EN 62031 +A1
- EMC: Directive 2004/108/EC – EN 55015, EN 61000, EN 61547

- Does not emit light interference by ANSI C63.4 & 47



Model specifications:

Models with chromaticity temperature 4 000 K and 5 000 K

Model	Power	Angle	Luminous flux	PFC	Dimensions (AxBxC)	Weight
HBLA1-050T	51 W	110 °	5 100 lm	>0,98	385 x 75 x 290 mm	3,5 kg
HBLA1-090T	80 W	110 °	8 300 lm	>0,98	385 x 75 x 290 mm	3,5 kg
HBLA1-120T	112 W	110 °	11 600 lm	>0,96	385 x 75 x 290 mm	4,0 kg
HBLA1-150T	143 W	110 °	15 200 lm	>0,96	385 x 75 x 290 mm	4,0 kg
HBLA1-200T	175 W	110 °	18 100 lm	>0,96	410 x 100 x 295 mm	4,5 kg
HBLA1-050TN	49 W	80 °	5 130 lm	>0,98	385 x 75 x 290 mm	3,5 kg
HBLA1-090TN	78 W	80 °	8 700 lm	>0,98	385 x 75 x 290 mm	3,5 kg
HBLA1-120TN	110 W	80 °	12 100 lm	>0,96	385 x 75 x 290 mm	4,0 kg
HBLA1-150TN	141 W	80 °	15 980 lm	>0,96	385 x 75 x 290 mm	4,0 kg
HBLA1-200TN	172 W	80 °	18 900 lm	>0,96	410 x 100 x 295 mm	4,5 kg

