

## HIGH BAY

### Suspended industrial light fixtures

Model line: LDX-HB

#### Basic features

- COB type light source
- robust cooler with anti-pollution surface treatment
- design for highly efficient heat dissipation
- possibility of revitalization of light and power supply
- suitable for environments with a wide range of temperatures
- luminous flux without stroboscopic effect



Professional suspended luminaires HB with verified operating reliability and fully compatible with EN 12464-1, designed for use in environments with wide range of temperatures and in polluted air. The 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, atriums, etc.

The long lifetime of the HB luminaire is a combination of a high-quality power supply and the custom MCOB (Multi Chip on Board) with the patented heat sink design. The large surface area of the copper heat sink has the special application with high resistance to dirt adhesion. This significantly extends a maintenance period and reduces the operating costs.

The MCOB 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 aluminum shade due to its construction supports cooling function and significantly reduces the UGR glare. Integrated optics with tempered glass allows a choice of wide or narrow angle of illumination. The power supply of the luminaire produces a steady luminous flux without a stroboscopic effect.



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## Technical parameters

lifetime:	according to TM21: 121 500 hours
operation temperature range:	- 40 °C to + 60 °C
light output angle:	80° to 110° symmetrically
ingress protection:	IP66
mechanical durability:	IK09
ecology:	does not contain mercury or silicone
optical unit:	tempered clear glass with UV filter
replaceable power supply and light source	

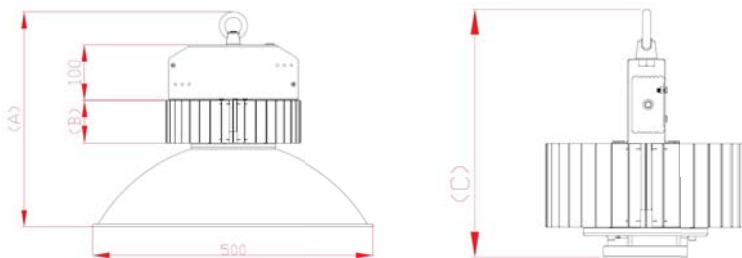
color temperature CCT:	4000K or 6250K
power driver:	1 pc from HLG-XXXH range
power supply:	90 V to 305 V~, 47 to 63 Hz
flicker index:	0
flicker frequency:	< 1% / 100 Hz
management:	(A) without management (B) 1-10 V / PWM (D) DALI
MTBF:	133 000 hours - driver (D) MIL-HDBK-217F (25 °C)

## Model specifications

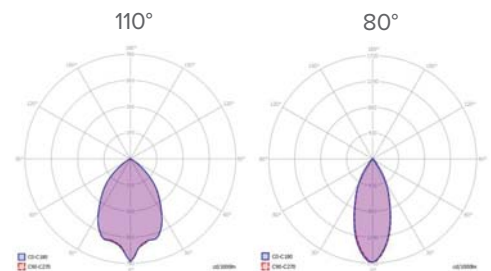
Model	Power	CCT	Output angle	Luminous flux	PFC	Dimensions (A x B x C)	Weight
HB-050T	51 W	4000 K	110°	5 100 lm	>0,98	385 x 75 x 265 mm	3,5 kg
HB-090T	80 W	4000 K	110°	8 300 lm	>0,98	385 x 75 x 265 mm	3,5 kg
HB-120T	112 W	4000 K	110°	11 600 lm	>0,96	385 x 75 x 265 mm	4,0 kg
HB-150T	143 W	4000 K	110°	15 200 lm	>0,96	385 x 75 x 265 mm	4,0 kg
HB-200T	175 W	4000 K	110°	18 100 lm	>0,96	410 x 100 x 270 mm	4,5 kg
HB-050TN	49 W	4000 K	80°	5 130 lm	>0,98	385 x 75 x 285 mm	3,5 kg
HB-090TN	78 W	4000 K	80°	8 700 lm	>0,98	385 x 75 x 285 mm	3,5 kg
HB-120TN	110 W	4000 K	80°	12 100 lm	>0,96	385 x 75 x 285 mm	4,0 kg
HB-150TN	141 W	4000 K	80°	15 980 lm	>0,96	385 x 75 x 285 mm	4,0 kg
HB-200TN	172 W	4000 K	80°	18 900 lm	>0,96	410 x 100 x 290 mm	4,5 kg

The luminous flux tolerance and other photometric measurements were carried out in accordance with EN 13032-4.

dimensions of models HB-50 to HB-200



light distribution



LDX-EN/20/11



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