

## HIGH BAY

### Industrial pendant luminaires

Model series: LDX-HB

#### FEATURES

- long-life COB light source
- unique, high-efficiency heat sink for long life
- highly efficient heat dissipation by airflow
- revitalisation of the light and power supply reduces TCO
- very low glare
- light output without strobe effect



Professional pendant luminaires of the HB series with proven high operational reliability are fully compliant with EN 12464-1:2021 and suitable for use in environments with a wide range of temperatures and heavy pollution. The wide HB power range allows you to optimize the choice of luminaire for various lighting applications, e.g. storage and production halls including heavy operations, commercial premises, lighting under gantry cranes, lighting corridors, sports fields, atriums, etc.

The long service life of the HB series luminaire is due to the combination of a top-notch power supply, a unique COB LED design and a luminaire body with a patented heat dissipation design to the radiator. The large surface of the radiator is provided with a special application on the surface with high resistance to dirt adhesion. This significantly extends the maintenance period and reduces operating costs (TCO)..

The production technology of the used LED in MCOB (Multi Chip on Board) design complies with ANSI Binning standards to ensure the same color and intensity of the luminous flux. Each individual product meets the declared light parameters within the range of  $\pm 2.5\%$ . The possibility of revitalizing active technological parts reduces TCO and extends the service life of the luminaire many times over.

The aluminum shade, in addition to its cooling support function, significantly reduces the unacceptable glare of the  $R_{UG}$ . Integrated optics with tempered glass allow you to choose the angle of the emitted light flux. The power supply of the luminaire ensures a light flux without stroboscopic effect and flickering.

## TECHNICAL SPECIFICATION

lifetime:	121 500 hour / TM21
rozsah provozních teplot:	- 40 °C to + 60 °C
radation angle:	80° or 110° symetrically
Ingress protection:	IP66
mechanical durability:	IK09
ecology:	mercury and silicone free
optical:	with UV filter, tempered cover glass
revitalization	replaceable COB LED and power supply

CCT:	3000K, 4000K or 6250K
napájecí zdroj:	MEANWELL
napájení:	90 V to 305 V <sup>~</sup> , 47 to 63 Hz
flicker index:	0
zvlňnění/na frekvenci:	< 1% / 100 Hz
management:	(A) ON/OFF (B) 1-10 V / PWM (D) DALI
MTBF:	133 000 hour - driver (A),(D) MIL-HDBK-217F (25 °C)

## STANDARDS

- RoHS, Directive EC and Council 2011/65/EC
- Directive EC and Council for low voltage 2006/95/EC
- EMC: Directive 2004/108/EC – EN 55015, EN 61000, EN 61547
- Luminous parameters listed in accordance with EN13032-4
- Directive 2006/25/EC: health and safety requirements for the exposure of workers to the risks related to optical radiation from artificial sources
- Complies with EN 13201



## MODEL SPECIFICACION

Model	Power	CCT	Radiation angle	Luminous flux	PFC	Dimmension (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

Luminous flux tolerance and photometric measurements were carried out in accordance with EN13032-4

