

# HBL GEN2



HBL L



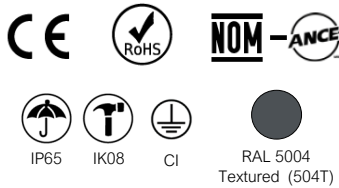
HBL M



HBL S

## KEY BENEFITS

- Up to 3 sizes.
- LED luminaire for industrial areas and sports spaces.
- Durability and sturdiness: IP65 + IK08.
- Latest-generation LED technology.
- Energy Efficient:  
Up to 150 lm/W luminaire.
- Up to 2 optical distributions.
- Installation using eyebolt.
- Lifetime L80B10 60.000h (T<sup>a</sup>) 25°C.
- 5 years warranty



## DESCRIPTION

The HBL GEN 2 Carandini luminaire is designed to provide solutions to industrial areas or sports venues that need efficient and uniform lighting, so as to guarantee safe and productive work spaces and competition areas.

Thanks to its compact and lightweight design, it facilitates assembly and installation operations, accelerates heat dissipation and reduces dust accumulation.



4000K  
Ra>80



HBL.S: 16.458 lm  
HBL.M: 23.657 lm  
HBL.L: 30.118 lm



-40°C a + 60°C



150lm/W



HBL.S: 2,3 Kg  
HBL.M: 3,0 Kg  
HBL.L: 3,9 Kg

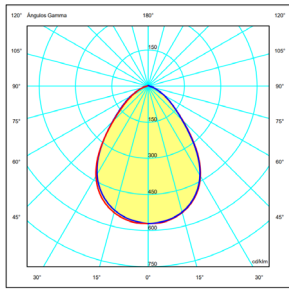
## STANDARD COMPLIANCE

- UNE EN 60598-1
- UNE EN 60598-2-1
- UNE EN 62031
- UNE EN 62384
- UNE 61347-2-13
- UNE EN 62471 e IEC/TR 6247-2
- UNE EN 55015
- UNE EN 61000-3-2
- UNE EN 61000-3-3
- UNE EN 61547
- EN 60598-2-2:1998+A2:2008

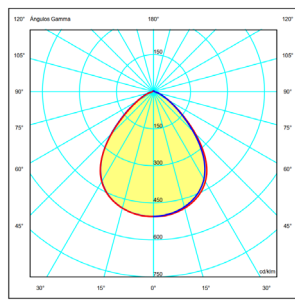
120-277V- 50/60HZ  
L80B10 60.000 h.  
Ta de 25°C

**PHOTOMETRIC DISTRIBUTIONS**

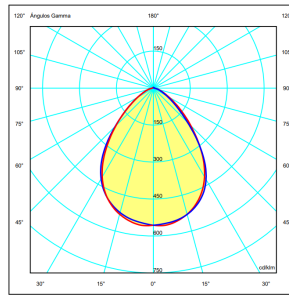
Each size has 2 photometric distributions used for the environments in which this type of luminaire is installed, allowing it to adapt to all needs:



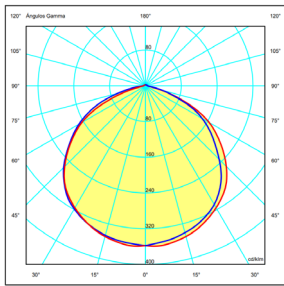
HBL.S. 90°



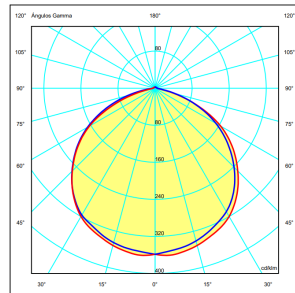
HBL.M 90°



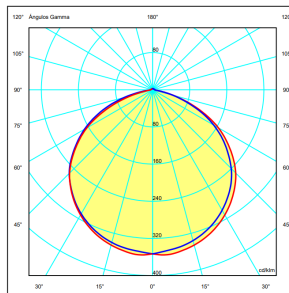
HBL.L 90°



HBL.S. 120°



HBL.M 120°



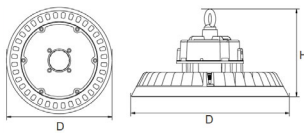
HBL.L 120°

\* La température 4000K va avec 90° et la température 5000K va avec 120°, sauf pour le 15.000lm qui peut aller avec les deux.

**DIMENSIONS**

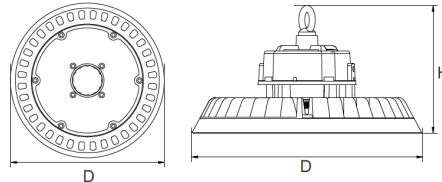
**HBL.S**

D 254 x H 150 mm



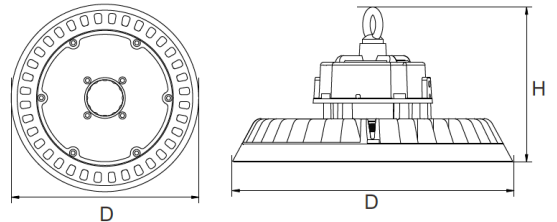
**HBL.M**

D 309 x H 156 mm



**HBL.L**

D 354 x H 161 mm



**APPLICATIONS**

Industrial areas, logistics warehouses, sports pavilions.



Distributor: EPK elektro s.r.o.  
info@carandini.cz - www.carandini.cz

**CHARACTERISTICS HBL**

**GENERAL CHARACTERISTICS**

Bosy and mounts	Pressure die-cast aluminium
Eyebolt	Galvanised iron
Finished	Black Blue powder coating RAL 5004 Textured (504T).
Cable	1 Meter
General watertightness	As per EN 60529, luminaire is watertight to IP65.
Degree of protection against impacts	In accordance with EN 62262, impact protection class IK08.
Operating temperature	40°C a + 60°C
Estimated life	L80B10 60,000 h. Lumen maintenance values at 25°C are calculated by TM -21 based on LM-80 data and on-site luminaire tests. According to IESNA TM-21-11. Calculated values represent time periods exceeding 6 times the total duration of the IESNA LM-80-08 test for the driver under test.

**ELECTRICAL CHARACTERISTICS**

Electrical specification	Class I
Voltage / Frequency	120-277V- 50/60HZ
Power factor	> 0,95
Overvoltage protection	6kV

**MAINTENANCE AND ASSEMBLY**

Installation and maintenance	It incorporates two cables: one for voltage and one for dimming the luminaire. Both are prepared for on-site installation of the luminaire. To maintain the high efficiency of the luminaire, it is necessary to clean the lens surface from time to time. Use a pH-neutral soap with a cloth to clean and dry it.
Fixation	Eyebolt for installation by means of a cable or chain suspension point. (eyebolt included)
Accessoires	Bracket size S and M. Bracket size L.
Weight	HBL.S: 2,3 Kg HBL.M: 3,0 Kg HBL.L: 3,9 Kg

**LIGHT CHARACTERISTICS**

Package real light	HBL S: 16.458 lm (100W) HBL M: 23.657 lm (150W) HBL L: 30.118 lm (200W)
LED color temperature	4.000K (Neutral White, nw).
Index of reproduction chromatic (CRI)	CR>80.
Photometric distributions	Optical distribution with 90 ° and 120°
LED Thermal control	Efficient heat dissipation by conduction and convection thanks to the design of the structure, which incorporates fins so that the heat dissipates correctly, thus increasing the life of the luminaire components.

**MANAGEMENT AND CONTROL**

Equipment	RD: DALI protocol adjustable driver
-----------	-------------------------------------

**LOGISTICAL INFORMATION**

**HBL 100 (S)**

Box size: 305 x 305 x 145 mm  
Box weight: 2,3 kg.  
Number of boxes: 66 units  
American base: 1200 x 800 x 1670 mm  
Stack height: 11 levels  
Area occupied: 58,1%  
Volume used: 54,5%  
Total gross weight: 172 kg

**HBL 150 (M)**

Box size: 365 x 365 x 150 mm  
Box weight: 3 kg.  
Number of boxes: 66 units  
American base: 1200 x 800 x 1800 mm  
Stack height: 11 levels  
Area occupied: 83,3%  
Volume used: 80,8%  
Total gross weight: 218 kg.

**HBL 200 (L)**

Box size: 410 x 410 x 155 mm  
Box weight: 3,9 kg.  
Number of boxes: 40 units  
American base: 1200 x 1000 x 1700 mm  
Stack height: 11 levels  
Area occupied: 56%  
Volume used: 51,1%  
Total gross weight: 176 kg.

\* If the luminaire includes cable, consult box dimensions.