HIGHBAY HB

SERIES · HB

APPLICATIONS

- Warehouses
- Shopping Malls
- Indoor Sports Centres
- Factories
- Car Parks

HB Highbay Light

A die-cast aluminium highbay at 145 lm/W, in four wattages from 65 W to 210 W and up to 30,400 lm. Interchangeable 60° and 90° reflector caps for warehouses, factories, malls, car parks and indoor sports centres.

30,400 lm
LUMINOUS FLUX (5700K)

210 W
MAX. SYSTEM POWER

145 lm/W
PEAK EFFICACY

60 / 90 °
REFLECTOR CAPS



COMMON SPECIFICATIONS

Shared across all wattages, colour temperatures and reflector caps

CRI	Ra > 80 / R9 > 0	**Input Power (AC)**	100–277 V 50/60 Hz
Power Factor	> 0.95 @ 240 V AC	**Working Temp.**	Ambient max. 50 °C
Projection Angles	60° / 90° (reflector cap)	**Housing Material**	Die-cast aluminium heatsink & PC lens
Driver Current	Per model — see table	**Warranty**	3 years

MODELS

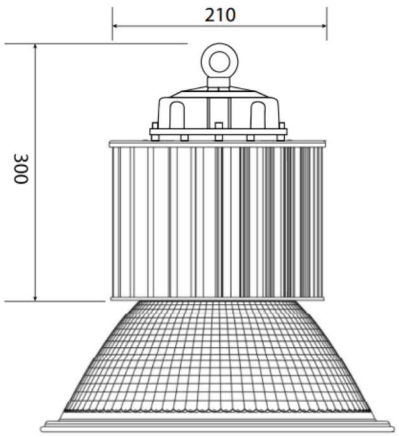
Four wattages · 5700 K / 3000 K · 60° or 90° reflector cap

PART NO.	WATTAGE	COLOUR TEMP.	LUMENS	LM / W	ANGLE	DRIVER	SIZE (H × Ø)	WEIGHT
HB30000C	210 W	**5700 K (Cool)**	30,400	145	**60° / 90°**	900 mA	300 (H) × 210 Ø	3,000 g
HB24000C	160 W	**5700 K (Cool)**	23,300	145	**60° / 90°**	690 mA	300 (H) × 210 Ø	3,000 g
HB24000W	160 W	**3000 K (Warm)**	20,900	130	**60° / 90°**	690 mA	300 (H) × 210 Ø	3,000 g
HB15000C	105 W	**5700 K (Cool)**	15,300	145	**60° / 90°**	440 mA	205 (H) × 210 Ø	2,000 g
HB15000W	105 W	**3000 K (Warm)**	13,700	130	**60° / 90°**	440 mA	205 (H) × 210 Ø	2,000 g
HB9500C	65 W	**5700 K (Cool)**	9,500	145	**60° / 90°**	270 mA	205 (H) × 210 Ø	2,000 g
HB9500W	65 W	**3000 K (Warm)**	8,550	130	**60° / 90°**	270 mA	205 (H) × 210 Ø	2,000 g

** ± 10 % Lux accuracy · Test environment @ 25 °C · Specifications subject to change without prior notice · Product images for illustration only.*

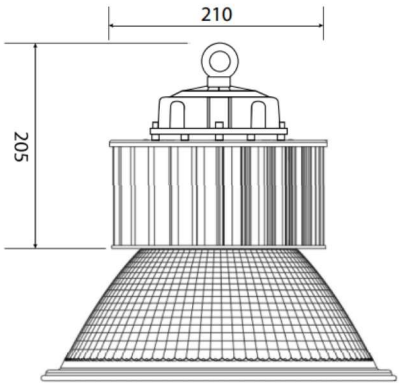
DIMENSIONAL DRAWINGS Unit: mm / gram

HB30000 / HB24000 210 W / 160 W



300 (H) × 210 Ø 3,000 g ± 5 %

HB15000 / HB9500 105 W / 65 W



205 (H) × 210 Ø 2,000 g ± 5 %

REFLECTOR CAPS Interchangeable aluminium reflector · sets projection angle



HBC60

60°

140 (H) × 390 Ø mm



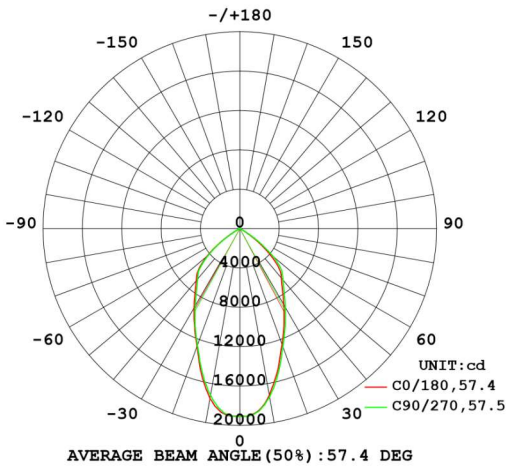
HBC90

90°

120 (H) × 450 Ø mm

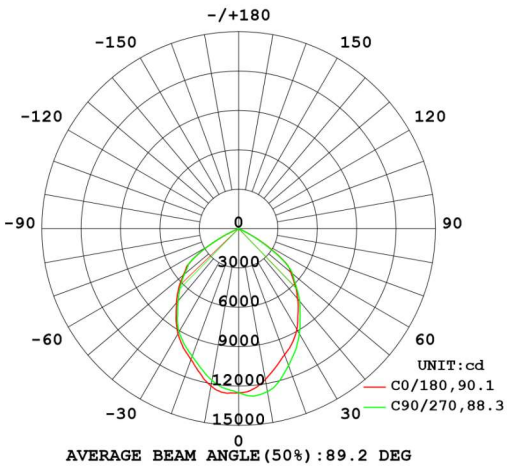
LUMINOUS INTENSITY DISTRIBUTION Candela distribution per reflector cap · C0–C180 / C90–C270

60° cap avg. beam angle (50 %) 57.4° · C0/180 57.4° · C90/270 57.5°



AVERAGE BEAM ANGLE(50%):57.4 DEG

90° cap avg. beam angle (50 %) 89.2° · C0/180 90.1° · C90/270 88.3°



AVERAGE BEAM ANGLE(50%):89.2 DEG

ILLUMINANCE BY MOUNTING HEIGHT HB24000 with 60° reflector cap · beam angle 57.21° · E in lux

HEIGHT	1 M	2 M	3 M	4 M	5 M	6 M	7 M	8 M	9 M	10 M
Ø m	1.09	2.18	3.27	4.36	5.45	6.54	7.63	8.72	9.82	10.91
E avg	10,768	2,692	1,196	673.0	430.7	299.1	219.7	168.2	132.9	107.7
E max	19,141	4,785	2,127	1,196	765.6	531.7	390.6	299.1	236.3	191.4

Curves indicate the illuminated area and average illuminance at each mounting distance. For reference only — contact CooLED for a proper simulation of your environment.

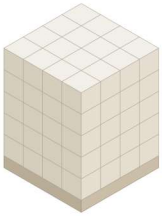
CARTON DIMENSIONS & WEIGHTS

Single-unit export carton · unit: mm / kg

ITEM	POWER	QTY	L	W	H	NETT WT.	M³
HB9500	65 W	1	270	270	260	**2.5 kg**	0.019
HB15000	105 W	1	270	270	260	**2.5 kg**	0.019
HB24000	160 W	1	270	270	340	**3.5 kg**	0.025
HB30000	210 W	1	270	270	340	**3.5 kg**	0.025

PALLET LOADING

Block pallet 1,200 × 1,100 mm · max load height 1,700 mm



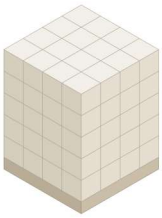
HB9500

carton 270 × 270 × 260 mm

80 pcs / pallet

16 PER LAYER × 5 LAYERS

Load footprint	1,080 × 1,080 mm	Nett weight	200 kg
Stack height	1,300 mm	Volume	1.52 m³
With pallet	1,445 mm		



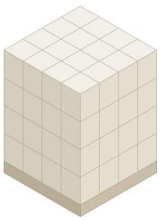
HB15000

carton 270 × 270 × 260 mm

80 pcs / pallet

16 PER LAYER × 5 LAYERS

Load footprint	1,080 × 1,080 mm	Nett weight	200 kg
Stack height	1,300 mm	Volume	1.52 m³
With pallet	1,445 mm		



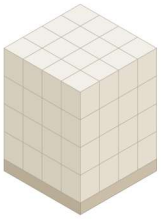
HB24000

carton 270 × 270 × 340 mm

64 pcs / pallet

16 PER LAYER × 4 LAYERS

Load footprint	1,080 × 1,080 mm	Nett weight	224 kg
Stack height	1,360 mm	Volume	1.59 m³
With pallet	1,505 mm		



HB30000

carton 270 × 270 × 340 mm

64 pcs / pallet

16 PER LAYER × 4 LAYERS

Load footprint	1,080 × 1,080 mm	Nett weight	224 kg
Stack height	1,360 mm	Volume	1.59 m³
With pallet	1,505 mm		

** Pallet plans assume a 145 mm block pallet 1,200 × 1,100 mm, cartons laid flat and stretch-wrapped · Carton dimensions and weights ± 5 %*