



High Power LED Highbay Light Series (80W to 400W)

Upto 5 years warranty!



Key Features

- LEDs from Philips Lumileds, LG, CREE or Osram, together with Meanwell drivers, provide up to 5 years warranty.
- Unique patented thermal management design to ensure low LED junction temperature
- Extremely light weight to enhance the safety use and installation.
- Available products with maximum power up to 400W, ultra-high luminous output of up to 40,000lm.
- Both IP40 and IP65, prismatic and aluminium reflectors with different optical beam angles are available.
- Easy installation and maintenance, dust prevention, longer lifetime with high lumen maintenance.

Applications

Suitable for Warehouses, Production and logistics, Retail stores, Theme restaurants, Amusement parks, Indoor stadiums and public places, and other industrial and commercial lighting purposes.

Patented



LUXEON
BY PHILIPS LUMILEDS

OSRAM

CREE

MW
MEANWELL





LED Highbay Light Series

Design Innovation

Build-in Heatpipe technology

- excellent heat conduction performance by incorporating mature heatpipe technology inside the heatsink
- phase change materials (PCM) inside the heatpipe helps to effectively bring the heat away from LED module

Fold-Fin Heatsink (FFH) technology

- formed by thin aluminum sheets and pressed into the desired fin structures by fully automated machines
- different parts of heatsink are then soldered together via a high temperature furnace
- resulting in a heatsink with large total surface area and extremely light weight

Extra-safe fixture design

- additional stainless steel sling provides extra safe mechanism especially for vibrating environment
- build-in bolt design to strongly bond together different housing parts

LED vs Metal Halide Replacement Table



LED High Bay Light	Metal Halide High Bay Light
80W	150W
100W / 150W	250W
200W / 250W	400W
300W / 350W	750W
400W	1000W

60% Energy Saving !

LED ⇒ Metal Halide

80W LED Highbay

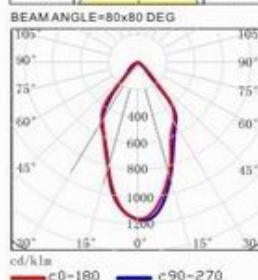
Model No.: LUX-HB-080

Light Source * : Philips Lumileds / Cree / Osram
 Supply Voltage : 90-305 VAC, 50/60 Hz
 LED Power : 80 W
 System Power : 90 W
 Luminous Flux[†] : 8100 lm
 Beam Angle : PC / 80° / 100° / 120°
 CCT : 3000K-7000K
 Typical CRI[^] : 70
 Lifespan: 50,000 hrs
 Operating Temp. : -40 to +45°C
 Weight : ~5.6 kg



Dimensions and Illumination Data**

M	LUX	Φ CM
4	645	671
6	286	1007
8	461	1342
10	103	1678



* Please contact our sales for detailed LED information
 # Test data with LUXEON Rebel ES LED at 5500K, PC reflector
 ^ Higher CRI available upon request
 ** Other beam angles available upon request

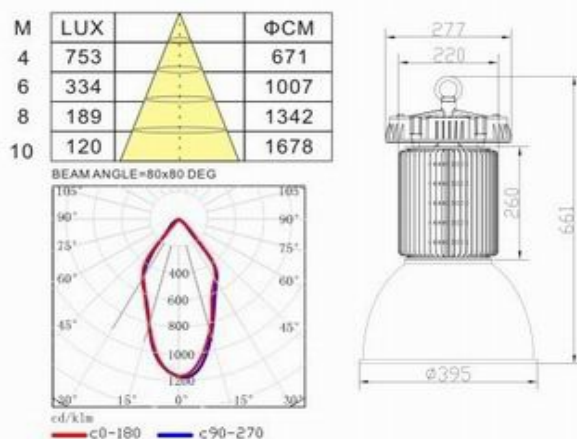


100W LED Highbay

Model No.: LUX-HB-100

Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 100W
System Power : 110 W
Luminous Flux *: 9800 lm
Beam Angle : PC / 80° / 100° / 120°
CCT : 3000K-7000K
Typical CRI *: 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45°C
Weight : ~6.5 kg

Dimensions and Illumination Data**



150W LED Highbay

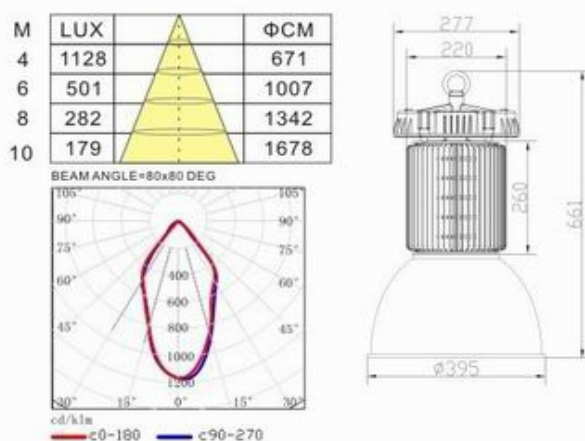
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Model No.: LUX-HB-150

Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 150W
System Power : 165 W
Luminous Flux *: 15000 lm
Beam Angle : PC / 80° / 100° / 120°
CCT : 3000K-7000K
Typical CRI *: 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45°C
Weight : ~7.0 kg

Dimensions and Illumination Data**



* Please contact our sales for detailed LED information
Test data with LUXEON Rebel ES LED at 5500K, PC reflector
^ Higher CRI available upon request
** Other beam angles available upon request



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CONSORTIUM



200W LED Highbay

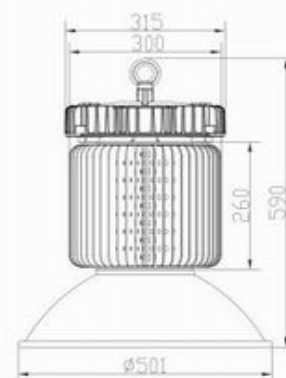
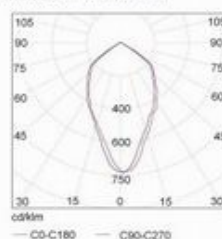
Model No.: LUX-HB-200

Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 200W
System Power : 220 W
Luminous Flux*: 19800 lm
Beam Angle : PC / 80° / 100° / 120°
CCT : 3000K-7000K
Typical CRI ^ : 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45°C
Weight : ~8.0 kg

Dimensions and Illumination Data**

M	LUX		ΦCM
4	999		1385
6	443		2078
8	249		2771
10	160		3464

BEAM ANGLE=120x120 DEG



250W LED Highbay

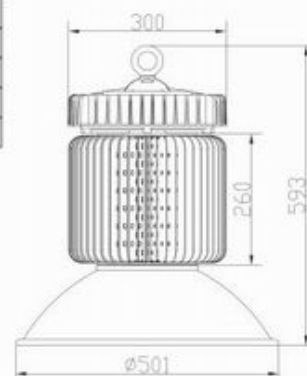
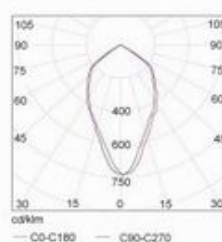
Model No.: LUX-HB-250

Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 250 W
System Power : 280 W
Luminous Flux*: 25200 lm
Beam Angle : PC / 80° / 100° / 120°
CCT : 3000K-7000K
Typical CRI ^ : 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45°C
Weight : ~9.0 kg

Dimensions and Illumination Data**

M	LUX		ΦCM
4	1249		1385
6	554		2078
8	311		2771
10	201		3464

BEAM ANGLE=120x120 DEG



* Please contact our sales for detailed LED information
Test data with LUXEON Rebel ES LED at 5500K, PC reflector
^ Higher CRI available upon request
** Other beam angles available upon request



300W LED Highbay

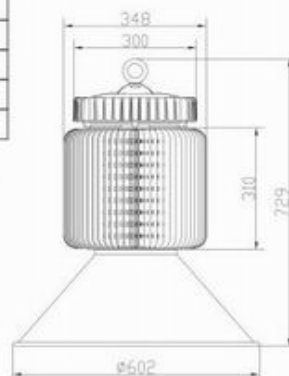
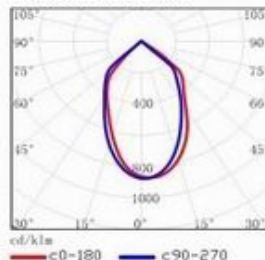
Model No.: LUX-HB-300

Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 300W
System Power : 330 W
Luminous Flux*: 29700 lm
Beam Angle : PC / 80° / 100° / 120°
CCT : 3000K-7000K
Typical CRI ^ : 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45°C
Weight : ~15 kg

Dimensions and Illumination Data**

M	LUX	ΦCM
4	1481	953
6	657	1430
8	369	1906
10	238	2383

BEAM ANGLE=100x100 DEG



350W LED Highbay

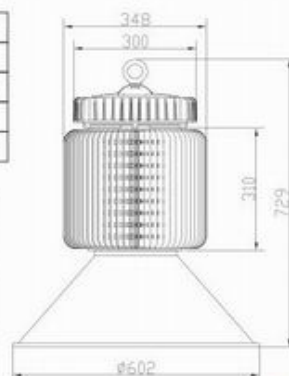
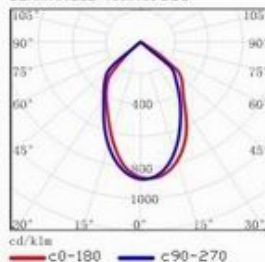
Model No.: LUX-HB-350

Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 350W
System Power : 390 W
Luminous Flux*: 35100 lm
Beam Angle : PC / 80° / 100° / 120°
CCT : 3000K-7000K
Typical CRI ^ : 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45°C
Weight : ~15.5 kg

Dimensions and Illumination Data**

M	LUX	ΦCM
4	1776	953
6	788	1430
8	444	1906
10	284	2383

BEAM ANGLE=100x100 DEG



* Please contact our sales for detailed LED information
Test data with LUXEON Rebel ES LED at 5500K, PC reflector
^ Higher CRI available upon request
** Other beam angles available upon request



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400W LED Highbay

Model No.: LUX-HB-400

Light Source *: Philips Lumileds / Cree / Osram

Supply Voltage : 90-305 VAC, 50/60 Hz

LED Power : 400W

System Power : 440 W

Luminous Flux*: 38000 lm

Beam Angle : PC / 80° / 100° / 120°

CCT : 3000K-7000K

Typical CRI ^: 70

Lifespan: 50,000 hrs

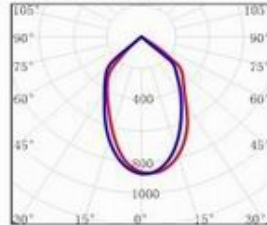
Operating Temp. : -40 to +45°C

Weight : ~15.5 kg

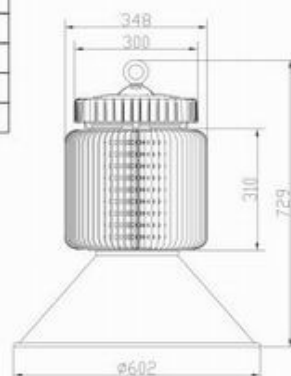
Dimensions and Illumination Data**

M	LUX	ΦCM
4	2009	953
6	892	1430
8	500	1906
10	320	2383

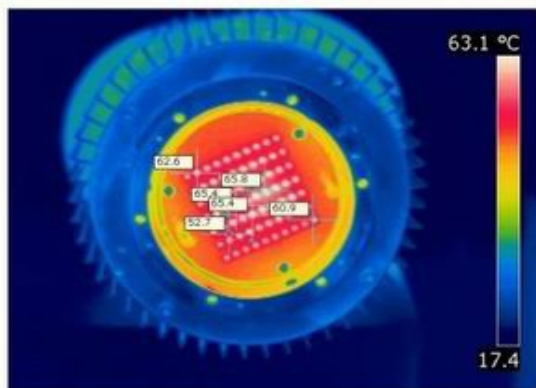
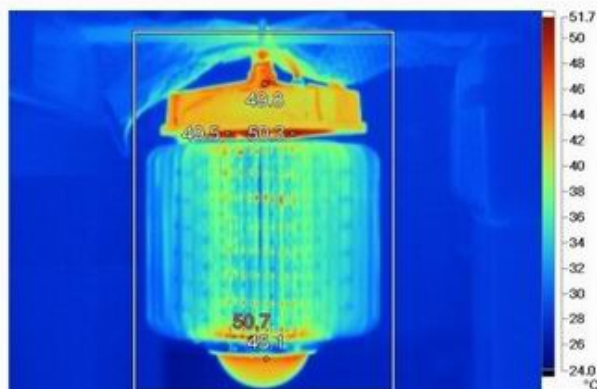
BEAM ANGLE=100x100 DEG



cd/klm
— c0-180 — c90-270



Thermal Performance of LED Highbay Light

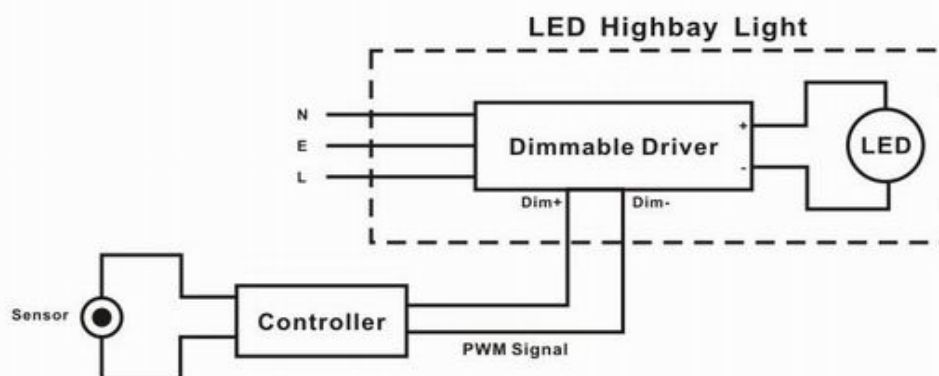


* All of our products are designed for superior thermal performance to ensure long lifetime operation.



LED Highbay Light with External Sensors

All our LED high bay lights (dimmable version) are available for connection to external motion/occupancy sensors or daylight sensors.



Schematic Circuit Diagram

Installation Height Guideline



Remark:

- Above suggested installation height is for reference only.
- The actual ground illumination level depends on lighting layout such as luminaire separation and surrounding objects.
- Luxtronik's project teams support customers in photometric calculation for different lighting scenarios.



LED Highbay Light Product Summary

Model No.	Reflector Type	LED Light Source	Color Temp.	Dimming Control	IP Rating	Previous Model No. (on or before 2012)
LUX-HB-080	PC	Philips Lumileds LUXEON Series	4000K	Dimmable (PWM input) (1-10V input)	IP40	LM-300
LUX-HB-100	80°		5000K		IP65	LM-301
LUX-HB-150	100°	Osram OSLOX Series	6000K	Non-dimmable		LM-302
LUX-HB-200	120°					LM-303
LUX-HB-250		Cree XTE / XP Series				LM-313
LUX-HB-300						LM-304
LUX-HB-350		LG 3535 High Power Series				LM-305
LUX-HB-400						LM-306

Note:

- (1) Other color temperature available upon request
- (2) LED Highbay Light at 30W-60W available upon request.
- (3) For North America market, add prefix "LM" to each model numbers, i.e. LM-LUX-HB-080, etc.
- (4) Design Lights Consortium (DLC) approved models: LM-LUX-HB-150, LM-LUX-HB-200 and LM-LUX-HB-400

Accessories Order Information

Item	Item Photo	Order Code
PC reflector		001101
80° Aluminium reflector		001102
100° Aluminium reflector		001103
120° Aluminium reflector		001104

Item	Item Photo	Order Code
Bottom glass cover		001202
Frosted LED module cover		001301

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