



Green Perform Elite Highbay



Why this product?

Green perform Elite



High-bay market is booming

- Huge quantity growth expected
- Many competitors on the market
- Differentiator product needed

Increase application fit

- High lumen output required for high ceiling
- Multiple lumen packs required with various optics

Future proof

- Product readiness for sensor integration
- Provision for Interact drivers
- Excellent quality and lifetime

Applications



General industry



Logistics



Warehousing

Target groups

PARTNERS/ SPECIFIERS

Key Influencer



- Defines lighting design plan and technical specification (considering application, national work regulations etc.)
- Less concern on cost, more into aesthetic


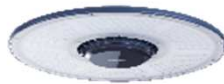
INDUSTRY



Product buyer



- Provides installation services
- Provides products via wholesalers
- Looking for cheapest products which meets lighting framework

High energy saving

	 HPI P 400W	 BY718P LED200
Lamp wattage	400 W	135W
System wattage	440 W	135 W
Initial lumen output	32000 lm	20000 lm
Light Out Put Ratio (LOR) (Luminaire Optical design)	65%	100%
System Lumen Output	20800 lm	20000 lm
Total Energy Saving (same lux level)		65%

	 HPI P 250W	 BY718P LED100
Lamp wattage	250 W	68 W
System wattage	275 W	68 W
Initial lumen output	18000 lm	10000 lm
Light Out Put Ratio (LOR) (Luminaire Optical design)	65%	100%
System Lumen Output	11700 lm	10000 lm
Total Energy Saving (same lux level)		71%

Unique Selling Point

Green perform Elite is part of the High-bay family with a value that customers understand. Differentiators of the new Elite Highbay are:

- Excellent efficacy and light output
- Easy installation (single point suspension)
- One-to-one replacement with conventional products
- Wide application possibilities
- Enhances Appeal

Reasons to Believe

- 10,000 / 15,000 / 20,000 / 25,000 / 30,000 lm output
- 145 lm/W Efficacy
- 4000/6500 K
- CRI >80 at SDCM <3
- Robust: IP65 / IK08
- Life Class of 50,000 hrs. @ Ta 45° C
- PSU, PSD*, Interact Ready*
- WB and NB optics
- Hook Mounting
- Finless aesthetics
- Sleek design (easy to handle)

* Options available but not launched in India

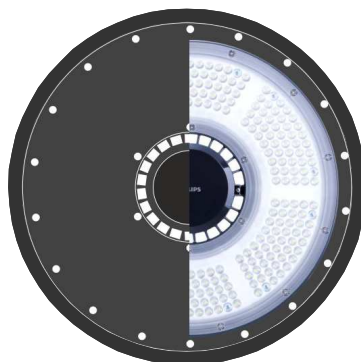
Features and Benefits

Outstanding Energy Efficiency

- Incorporates extremely efficient, state-of-the-art LED technology
- System efficiency >145 lm/W 75% energy savings versus conventional HID static light

Top performer in any environment

- Designed for operations under diverse environment from -30°C to 50°C
- Lack of Lens Glare makes it gentle and comfortable to eye, while its light distribution is uniform, allowing you to achieve a consistency of illumination: CRI 80; UGR 22 (NB) UGR26 (WB).
- Polycarbonate front cover makes this luminaire suitable for F & B industry



Features and Benefits

Enhances Appeal

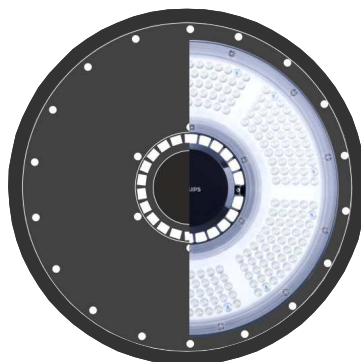
- Completely new finless aesthetics design
- Owns iF design award 2019 & Reddot design award 2019

Robust Design

- IK08 Polycarbonate cover provides strong protection from high pollution
- Pressure die-cast housing offers excellent corrosion-resistance and robustness
- Efficient heat dissipation assures long time at high temperature application

Suitable to Versatile applications




- Five lumen choices with two optics: Suitable for 10 to 30-meter height
- Wide Beam (WB) brings high uniformity to the whole area
- Narrow Beam (NB) delivers highly efficient light to make a brighter world



Specifications

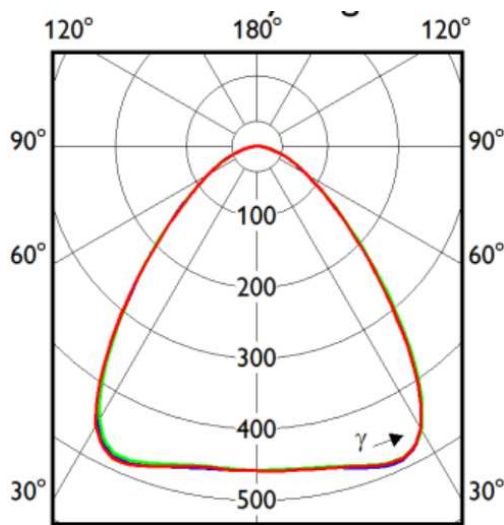
Types (BY718P)	LED100	LED150	LED200	LED250	LED300
Lumen Output (typ.)	10000lm	15000lm	20000lm	25000lm	30000lm
System Power (typ.)	68W	102W	135W	169W	203W
System efficacy	Typ. 145lm/W				
CCT (typ.)	CW (6500K)/ NW (4000K)				
CRI	≥ 80				
Color consistency	< 3 SDCM				
IP/IK rating	IP65/ IK08				
Classification	Class I				
Operation Temperature	-30°C to +50°C (Ta45°C)				
Lifetime (hrs)	50,000 hrs (Calculated L70B50) @45°C				
Optics	WB (86°) ; NB (54°)				
Input Voltage	220-240V, 50/60 Hz				
Power factor	0.95				
THD	<15%				
Mounting / Installation	Hook (included in the box)				
Housing	Aluminum die-casting				
Dimensions (mm)	Φ385/H95	Φ420/H95	Φ450/H95	Φ510/H90	
Weight	3.3KGS	4.3KGS	4.7KGS	5.8KGS	
Certificate	BIS/ROHS/LM79				

Family differentiation High-bay

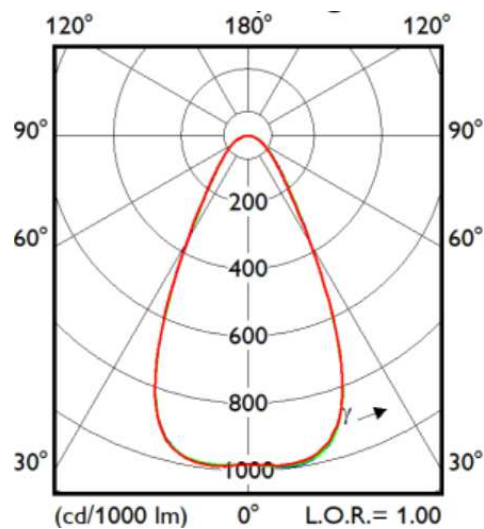
	Durabay 	Green perform Elite 	Maxolid 
Product designations	BY325P	BY718P	BY415P
Luminous flux	10/13/16.5/19 klm	10/15/20/25/30 klm	14.5/16.5/19.5/23/26/28.5 klm
Efficacy	Up to 130lm/w	Up to 145 lm/w	Up to 125 lm/w
IP / IK rating	IP66 / IK07	IP65 / IK08	IK65 / IK07
Driver options	PSU/ PSD	PSU/PSD (On demand)	PSU/PSD
System ready	-	Interact Pro (On demand)*	-
Optics	NB/ WB	NB/WB	NB/WB
Lifetime	50k hrs L70	50k hrs L70	50k hrs L70

Comfort light quality

- High color rendering (CRI >80) highlights the real color and restores the natural experience
- Integral Lens cover structure realizes the accurate distribution of light, dramatically improved UGR and beam angle
- High quality PC with matt texture inside improves visual look



WB, 2 * 43 degree,
Symmetric



NB, 2 * 27 degree,
Symmetric



Safe and Reliable performance

All Philips key components and production assure long lasting performance

**Philips PLS designed driver
@50khrs**

**Philips 
customized LED
CRI>80**

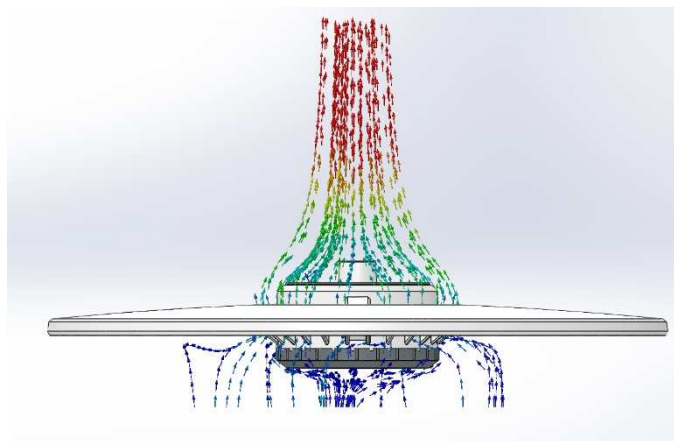


**High quality
Aluminum die-
casting
heat sink**

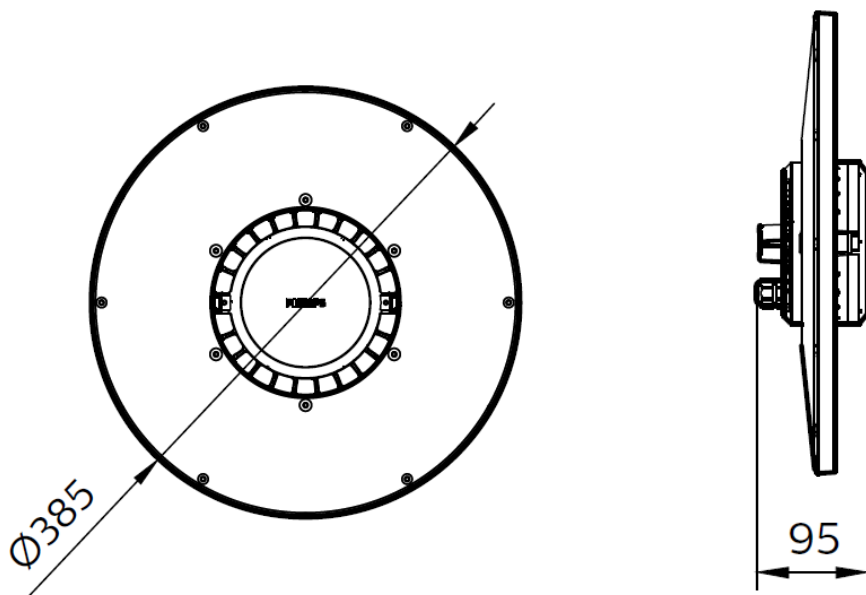
**Integrated PC
lens cover
assure IP65 and
IK08**

Professional thermal design

- Innovative thermal sink design, which is flat with slight inclination and thermal fins in the middle
- High efficient thermal discription creates an airflow through the product to prevent dirt from accumulating on the surface, suitable for installation at any angle
- Stable operation between $-30^{\circ}\text{C} \sim +50^{\circ}\text{C}$, ensuring the durable and reliable performance at $T_a 45^{\circ}\text{C}$

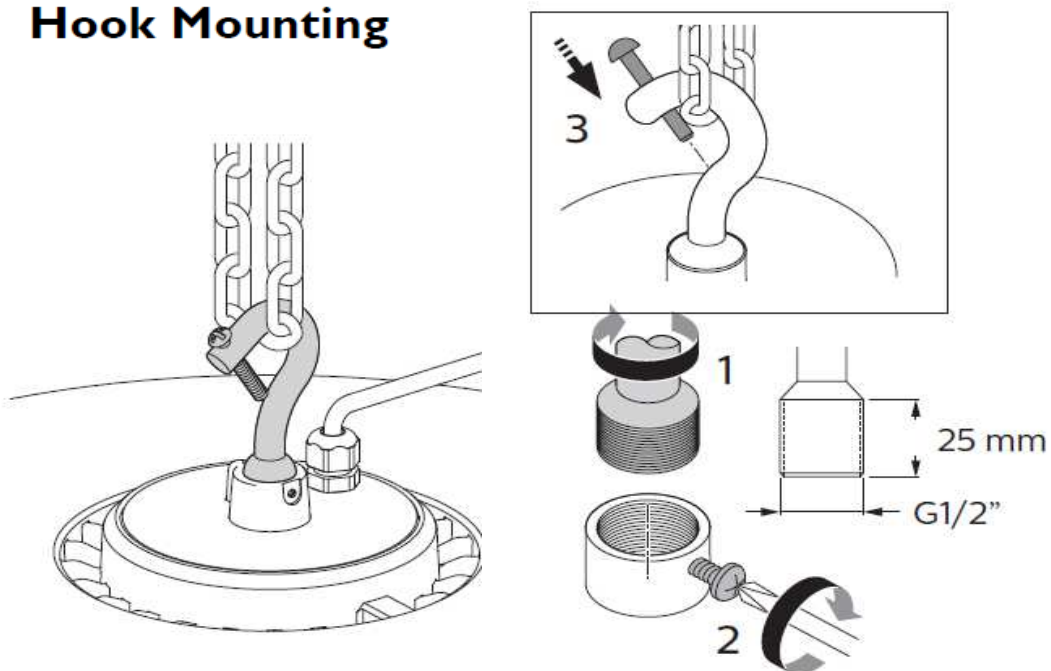


Product Dimension



Type	Diameter	Height
BY718 LED100 PSU	385mm	95mm
BY718 LED150 PSU	420mm	95mm
BY718 LED200 PSU	450mm	95mm
BY718 LED250/300 PSU	510mm	90mm

Hook Mounting



Ordering details

12NC	Description	Specification
9114 015 21161	BY718P LED100/CW PSU NB IN	68W, 10000lm, 6500K, fixed output, narrow beam
9114 015 21261	BY718P LED100/CW PSU WB IN	68W, 10000lm, 6500K, fixed output, wide beam
9114 015 21361	BY718P LED100/NW PSU NB IN	68W, 10000lm, 4000K, fixed output, narrow beam
9114 015 21461	BY718P LED100/NW PSU WB IN	68W, 10000lm, 4000K, fixed output, wide beam
9114 015 21561	BY718P LED150/CW PSU NB IN	102W, 15000lm, 6500K, fixed output, narrow beam
9114 015 21661	BY718P LED150/CW PSU WB IN	102W, 15000lm, 6500K, fixed output, wide beam
9114 015 21761	BY718P LED150/NW PSU NB IN	102W, 15000lm, 4000K, fixed output, narrow beam
9114 015 21861	BY718P LED150/NW PSU WB IN	102W, 15000lm, 4000K, fixed output, wide beam
9114 015 21961	BY718P LED200/CW PSU NB IN	135W, 20000lm, 6500K, fixed output, narrow beam
9114 015 22061	BY718P LED200/CW PSU WB IN	135W, 20000lm, 6500K, fixed output, wide beam
9114 015 22161	BY718P LED200/NW PSU NB IN	135W, 20000lm, 4000K, fixed output, narrow beam
9114 015 22261	BY718P LED200/NW PSU WB IN	135W, 20000lm, 4000K, fixed output, wide beam
9114 015 22361	BY718P LED250/CW PSU NB IN	169W, 25000lm, 6500K, fixed output, narrow beam
9114 015 22461	BY718P LED250/CW PSU WB IN	169W, 25000lm, 6500K, fixed output, wide beam
9114 015 22561	BY718P LED250/NW PSU NB IN	169W, 25000lm, 4000K, fixed output, narrow beam
9114 015 22661	BY718P LED250/NW PSU WB IN	169W, 25000lm, 4000K, fixed output, wide beam
9114 015 22761	BY718P LED300/CW PSU NB IN	203W, 30000lm, 6500K, fixed output, narrow beam
9114 015 22861	BY718P LED300/CW PSU WB IN	203W, 30000lm, 6500K, fixed output, wide beam
9114 015 22961	BY718P LED300/NW PSU NB IN	203W, 30000lm, 4000K, fixed output, narrow beam
9114 015 23061	BY718P LED300/NW PSU WB IN	203W, 30000lm, 4000K, fixed output, wide beam