



PHILIPS

Indoor Lighting

GreenPerform LED Highbay G3



Excellent light quality,
maximum energy
savings

A smarter way to light up your business



Businesses are constantly looking for ways to reduce the amount of energy required to light their production and warehousing facilities. Philips GreenPerform LED Highbay G3 luminaire generates up to 65% more energy savings compared to HPI-P lighting systems. Greenperform Highbay G3 also delivers superior light quality, improved optical choices to enable optimum lighting design for different industrial applications.

Designed with high-quality optics and a long lifetime, Philips GreenPerform LED Highbay G3 luminaire ensures reliable lighting performance across different applications. Multiple mounting options guarantee easy and secure installation.

Applications

- Production areas
- Warehouses
- Open spaces

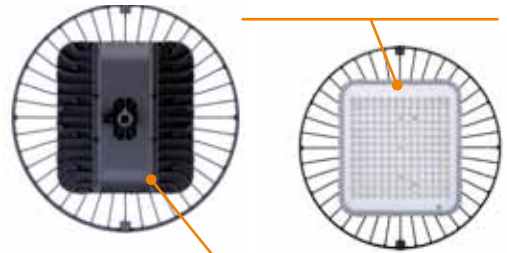
Flexible, energy-saving lighting

Slim and light design
Easy to install and maintain



Hook (included), Pipe and bracket mounting options
Versatile installation options

CRI>80
Excellent colour rendering

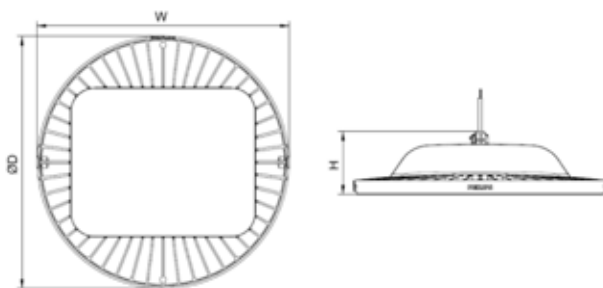


Die-cast heat sink
Air circulates throughout the luminaire for superior heat management and light quality. The design also prevents dust from accumulating on the surface.

Features and benefits

- **High energy savings.** System efficacy @ 130lm/W, saving up to 65% comparing to HPI-P system
- **Superb light quality.** Low UGR (NB/20 ~WB/26) and (CRI>80)
- **Safe and reliable.** IP65/IK07 rating and lifetime of 70,000 hours @ L90
- **Easy installation and maintenance.** Super slim design for hook, pipe and bracket mounting
- **Additional energy savings** of up to 30% can now be achieved by choosing either the (PIR) or (ACW) models which can detect motion and/or changes in daylight levels

Product dimensions (Unit: mm)



Type	D	W	H
BY698P LED110	379	382	96
BY698P LED160	417	418	105
BY698P LED200	452	454	107
BY698P LED300	530	534	120

Take the next step

See how Philips GreenPerform LED Highbay G3 can address your indoor lighting needs. Contact your local Philips Sales Representative for more information or to schedule a personalized demonstration.

Product data

General Characteristics

Type	BY698P (LED110/160/200/300)
Lifetime L90	70,000hrs@Ta35°C **
Operation Temperature	- 30°C < Ta < 50°C
IP/IK rating	IP65 / IK07, IP54 for ACW option
Classification	Class I
Certificate	EMC, AS/NZS
Installation	Pendant (pole/hook/bracket), 3m flying lead cable

Light Technical Characteristics

System Lumen	11000lm (Fix), 10000lm (Dali)/ 16000lm (Fix & Dali)/ 20000lm (Fix & Dali)/ 29000lm (Fix & Dali)
Color temperature	NW, 4000K (CW, 6500K available on request)
CRI	>80
Color consistency	<5 SDCM
Beam Angle	BY698P LED110 : NB; WB BY698P LED160 : NB; WB BY698P LED200 : NB; WB BY698P LED300 : E-NB; NB,WB (NB: Narrow Beam, WB: Wide Beam, E-NB: Extra Narrow Beam)

Electrical Characteristics

System Wattage	85W, 120W, 155W, 225W
Input Voltage	220-240V, 50/60 Hz
Driver	PSU (Fixed Output) / PSD (DALI Dimmable)
Controls	PIR (Passive Infrared) Motion detection ACW (Actilume Wireless) Network lighting with Zigbee wireless control
Power factor	PF 0.95
Surge	L,N 2KV; L,N-GND 4KV

Mechanical Characteristics

Housing material	Aluminum Die-casting
Optical material	Lens Cover: Optical PC
Dimensions	BY698P LED110 : 379mm x 96mm BY698P LED160 : 417mm x 105mm BY698P LED200 : 452mm x 107mm BY698P LED300 : 530mm x 120mm
Weight	BY698P LED110 : 3.2kg BY698P LED160 : 4.2kg BY698P LED200 : 4.7kg BY698P LED300 : 7.5kg

Product Information

12NC	Product Description
911401846499	BY698P LED110/NW PSU NB L3000 EN
911401846699	BY698P LED110/NW PSU WB L3000 EN
911401846899	BY698P LED110/NW PSD NB L3000 EN
911401847099	BY698P LED110/NW PSD WB L3000 EN
911401845699	BY698P LED160/NW PSU NB L3000 EN
911401845899	BY698P LED160/NW PSU WB L3000 EN
911401846099	BY698P LED160/NW PSD NB L3000 EN
911401846299	BY698P LED160/NW PSD WB L3000 EN
911401844899	BY698P LED200/NW PSU NB L3000 EN
911401845099	BY698P LED200/NW PSU WB L3000 EN
911401845299	BY698P LED200/NW PSD NB L3000 EN
911401845499	BY698P LED200/NW PSD WB L3000 EN
911401866499	BY698X LED200/NW PIR NB L3000 EN
911401866699	BY698X LED200/NW PIR WB L3000 EN
911401826697	BY698X LED200/NW NB ACW 4 L3000 EN
911401826597	BY698X LED200/NW WB ACW 4 L3000 EN
911401864799	BY698P LED300/NW PSU ENB L3000 EN
911401864999	BY698P LED300/NW PSU NB L3000 EN
TBC	BY698P LED300/NW PSU WB L3000 EN
911401865199	BY698P LED300/NW PSD ENB L3000 EN
911401865399	BY698P LED300/NW PSD NB L3000 EN
TBC	BY698P LED300/NW PSD WB L3000 EN
911401866299	BY698X LED300/NW PIR NB L3000 EN
TBC	BY698X LED300/NW PIR WB L3000 EN
911401826197	BY698X LED300/NW NB ACW 4 L3000 EN
TBC	BY698X LED300/NW WB ACW 4 L3000 EN

Accessories

911401523431	BY698Z Bracket LED110
911401523331	BY698Z Bracket LED160
911401523531	BY698Z Bracket LED200
911401523631	BY698Z Bracket LED300

*Note: Hook comes supplied with the luminaire.

**Figures based on IESNA TM 21 calculations.

