



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 offers 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

- Automobile industry
- Power plants
- Steel plants
- Indoor public spaces such as airport halls, maintenance hangars etc
- Indoor Exhibition centres
- Warehouses and logistics centers

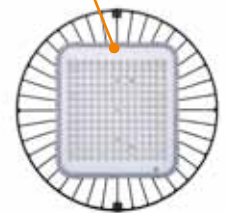
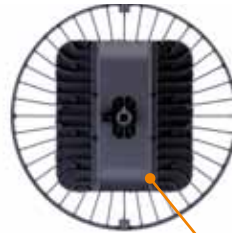
Flexible, energy-saving lighting

Slim and light design
It is easier to install and maintain the luminaire.



Pipe, hook, and bracket mounting options
Luminaire can be used for a wide range of applications.

CRI>80
Colors are rendered consistently and accurately.

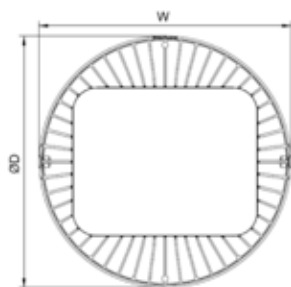


Die-cast heat sink
Air circulates throughout the luminaire for superior heat management and light quality. The design also prevents dust from accumulating on the surface.

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 accurate color (CRI>80)
- **Safe and reliable.** This luminaire has an IP65/IK07 rating and lifetime 50,000 hours @L70B50
- **Easy installation and maintenance.** Super slim design and suits for hook, pipe and bracket mounting

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 L70B50	50,000hrs@Ta35°C
Operation Temperature	- 30°C < Ta < 50°C
IP/IK rating	IP65 / IK07
Classification	Class I
Certificate	CB/EMC/SAA/CE/TISI
Installation	Pendant (pole/hook/bracket)

Light Technical Characteristics

System Lumen	11000lm (Fix), 10000lm (Dali)/ 16000lm (Fix & Dali)/ 20000lm (Fix & Dali)/ 30000lm (Fix & Dali)
Color temperature	CW (6500K)/ NW (4000K)
CRI	CRI>80
Color consistency	<5SDCM
Beam Angle	BY698P LED110 : NB; WB BY698P LED160 : NB; WB BY698P LED200 : NB; WB BY698P LED300 : E-NB; NB

Electrical Characteristics

System Wattage	85W, 120W, 155W, 225W
Input Voltage	220-240V, 50/60 Hz
Driver	PSU/PSD
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

Ordering Information (3m flying cable version)	12nocs	Designation
911401846599		BY698P LED110/CW PSU WB L3000 EN
911401846699		BY698P LED110/NW PSU WB L3000 EN
911401846399		BY698P LED110/CW PSU NB L3000 EN
911401846499		BY698P LED110/NW PSU NB L3000 EN
911401845799		BY698P LED160/CW PSU WB L3000 EN
911401845899		BY698P LED160/NW PSU WB L3000 EN
911401845599		BY698P LED160/CW PSU NB L3000 EN
911401845699		BY698P LED160/NW PSU NB L3000 EN
911401844999		BY698P LED200/CW PSU WB L3000 EN
911401845099		BY698P LED200/NW PSU WB L3000 EN
911401844799		BY698P LED200/CW PSU NB L3000 EN
911401844899		BY698P LED200/NW PSU NB L3000 EN
911401864699		BY698P LED300/CW PSU ENB L3000 EN
911401864799		BY698P LED300/NW PSU ENB L3000 EN
911401864899		BY698P LED300/CW PSU NB L3000 EN
911401864999		BY698P LED300/NW PSU NB L3000 EN
911401846999		BY698P LED110/CW PSD WB L3000 EN
911401847099		BY698P LED110/NW PSD WB L3000 EN
911401846799		BY698P LED110/CW PSD NB L3000 EN
911401846899		BY698P LED110/NW PSD NB L3000 EN
911401846199		BY698P LED160/CW PSD WB L3000 EN
911401846299		BY698P LED160/NW PSD WB L3000 EN
911401845999		BY698P LED160/CW PSD NB L3000 EN
911401846099		BY698P LED160/NW PSD NB L3000 EN
911401845399		BY698P LED200/CW PSD WB L3000 EN
911401845499		BY698P LED200/NW PSD WB L3000 EN
911401845199		BY698P LED200/CW PSD NB L3000 EN
911401845299		BY698P LED200/NW PSD NB L3000 EN
911401865099		BY698P LED300/CW PSD ENB L3000 EN
911401865199		BY698P LED300/NW PSD ENB L3000 EN
911401865299		BY698P LED300/CW PSD NB L3000 EN
911401865399		BY698P LED300/NW PSD NB L3000 EN

Ordering Information (IP 65 connector version)	12nocs	Designation
911401844499		BY698P LED110/NW PSU WB EN
911401844399		BY698P LED110/NW PSU NB EN
911401844099		BY698P LED160/NW PSU WB EN
911401843999		BY698P LED160/NW PSU NB EN
911401843699		BY698P LED200/NW PSU WB EN
911401843599		BY698P LED200/NW PSU NB EN
9114 018 64299		BY698P LED300/NW PSU ENB EN
9114 018 64399		BY698P LED300/NW PSU NB EN
911401844699		BY698P LED110/NW PSD WB EN
911401844599		BY698P LED110/NW PSD NB EN
911401844299		BY698P LED160/NW PSD WB EN
911401844199		BY698P LED160/NW PSD NB EN
911401843899		BY698P LED200/NW PSD WB EN
911401843799		BY698P LED200/NW PSD NB EN
9114 018 64499		BY698P LED300/NW PSD ENB EN
9114 018 64599		BY698P LED300/NW PSD NB EN

**CW could be customized via Special request

Accessory	12nocs	Designation
911401523431		BY698Z Bracket LED110
911401523331		BY698Z Bracket LED160
911401523531		BY698Z Bracket LED200
911401523631		BY698Z Bracket LED300
911401565101		MOUNTING HOOK

