



Philips GreenPerform Highbay G5: a versatile LED highbay with optimized performance and future-proof control system

GreenPerform Highbay G5

The GreenPerform Highbay G5 continues the GreenPerform family's enviable reputation for reliable performance. Not only does it deliver leading system efficacy and extended long-term quality, it also promises Unified Glare Rating (UGR) control with compact dimensions. GreenPerform Highbay G5 is also fully compatible with IoT software such as Interact, which is a scalable, future-proof control system. The family also has a series that supports cold room applications with 100% humidity and no condensation. All benefits that make this robust, optimized, and versatile family suitable for almost all industrial applications.

Benefits

- Excellent energy savings
- Long-term quality and reliability
- Visual comfort
- Wide range of applications
- Connected ready for cloud-based IoT software applications

GreenPerform Highbay G5

Features

- 170 lm/W system efficacy
- 75,000 hours L70B50 lifetime @Ta 35°
- Glare control (Narrow Beam), uniform illuminance (Wide Beam)
- Works seamlessly with the Interact IoT software and platform
- Cold room application support

Application

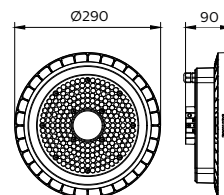
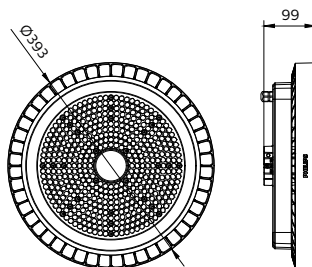
- Manufacturing
- Warehouses
- Logistic center
- Exhibition hall

Specifications

Mounting type	Suspended
	Pipe
	Surface
Operating Temperature range	-30 to +50 °C
Light Source	LED
Mains Voltage	220-240V / 50-60Hz
Mains connection	Flying cable
Mechanical Accessories	Hook for suspension
	Mounting bracket for surface
Dimming	PSU: non-dimmable
	PSD: Dimmable via Dali-broadcasting
	Connected: Wireless control, compatible with SNH210 sensor
Control system input	DALI/Wireless
Integrated sensors	SNH210
Material	Housing: die-cast aluminium
Main color of the luminaire	RAL7012
Flicker / Pst / SVM	PSU: <30%
	PSD/Connected: <3.2%
Luminous flux	10klm-30klm
Power consumption	67W-205W

Luminaire efficacy	Up to 160lm/W
Correlated color temperature - CCT	4000K
Color Rendering index - CRI	6500K
Beam angle	WB: 85°
	NB: 55°
Optical cover/lens material	PC
Optical cover/lens finish	Clear
Protection Class	Class I
IEC61140	
Mechanical impact protection	IK08
Ingress protection	IP65
Driver replaceable	Yes
UGR	WB: 25
	NB: 22
Installation	Suspended
	Pipe
	Surface

Dimensional drawing



GreenPerform Highbay G5

Product details



GreenPerform Highbay G5

GreenPerform Highbay G5

General Information	
Driver included	Yes
Gear	-
Number of gear units	1 unit
Light Technical	
Beam angle of light source	115 degree(s)
Correlated Color Temperature (Nom)	6500 K
Color rendering index (CRI)	80
Number of light sources	1
Optic type	Wide beam
Operating and Electrical	
Protection class IEC	Safety class I
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Suitable for random switching	Yes
Controls and Dimming	
Dimmable	-
Maximum dim level	Not applicable
Mechanical and Housing	
Optical cover type	Clear dome
Housing Color	Grey
Mech. impact protection code	IK08
Ingress protection code	IP65
Approval and Application	
Ambient temperature range	-30 °C to 50 °C
CE mark	Yes
ENEC mark	-
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
Initial Performance (IEC Compliant)	
Initial chromaticity	(0.317, 0.338) SDCM<5
Luminous flux tolerance	-10% / +10%

Light Technical

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401528845	BY698P G5 LED150/CW PSU WB GM	170 lm/W	15,000 lm
911401529645	BY698P G5 LED250/CW PSU WB GM	173 lm/W	25,000 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401528845	BY698P G5 LED150/CW PSU WB GM	88 W

Order Code	Full Product Name	Power Consumption
911401529645	BY698P G5 LED250/CW PSU WB GM	144 W

