Philips GreenPerform Highbay: A versatile LED highbay that's designed to optimize performance

GreenPerform Highbay Rectangular

The GreenPerform Highbay Rectangular continues the GreenPerform family's enviable reputation for reliable performance, provi. Not only does it deliver Unified Glare Rating (UGR) control with its optimized optical design, it also promises leading system efficiency, compact dimensions and extended long-term quality. Optimized for almost all industrial applications, it is also fully compatible with IoT software such as the Interact scalable system.

Benefits
· Excellent energy savings
· Long-term quality and reliability
· Great design flexibility and convenience thanks to optimized optics and multiple control options

Features
· up to 156lm/W system efficacy
· 75,000 hours L70B50 lifetime @Ta 35°C
· Glare control (Near Beam), uniform illustration (Wide Beam) and maximal spacing (High-Rack Optic).
· Works seamlessly with the Interact IoT software and platform
· Compact and robust design
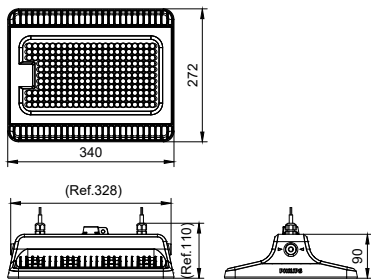
GreenPerform Highbay Rectangular

Application
- Warehouses
- Manufacturing
- Distribution center
- Exhibition hall

Specifications

Mounting type	Suspended		**Luminous flux**	10klm – 25klm
	Pipe		**Power consumption**	69W – 199W
	Surface		**Luminaire efficacy**	Up to 145lm/W
Operating Temperature range	–30 to +50 ºC (45 ºC)		**Correlated color temperature – CCT**	4000K
Light Source	LED			6500K
Mains Voltage	220-240V / 50-60Hz			5000K
Mains connection	Flying cable		**Color Rendering index – CRI**	80
Mechanical Accessories	Suspension kit		**Beam angle**	WB: 93° ± 5°
	Pipe kit			NB: 58° ± 5°
	Mounting bracket			HRO: 44*88° ± 5°
Dimming	PSU: non-dimmable		**Optical cover/lens material**	PC
	PSD: Dimmable via Dali-broadcasting			
	Connected: Wireless control, compatible with SNH210 sensor		**Optical cover/lens finish**	Clear
Control system input	DALI / Wireless		**Protection Class IEC61140**	Class I
Integrated sensors	SNH210			
Material	Housing: die-cast aluminum		**Mechanical impact protection**	IK06
Main color of the luminaire	RAL7043		**Ingress protection**	IP65
Flicker / Pst / SVM	PSU: <20%		**Driver replaceable**	Yes
	PSD: <4%			
	Connected: <4%			

Dimensional drawing

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General Information

Driver included	Yes
Service tag	Yes

Light Technical

Beam angle of light source	116 degree(s)
Color rendering index (CRI)	80
Luminous Efficacy (rated) (Nom)	146 lm/W
Luminous Flux	20,000 lm

Operating and Electrical

Protection class IEC	Safety class I
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Power Consumption	137 W
Suitable for random switching	No

Controls and Dimming

Dimmable	–
Maximum dim level	Not applicable

Mechanical and Housing

Optical cover type	Polycarbonate
Housing Color	RAL 7043
Mech. impact protection code	IK06
Ingress protection code	IP65

Approval and Application

Ambient temperature range	–30 to +50 °C
CE mark	Yes

Initial Performance (IEC Compliant)

Luminous flux tolerance	–10% / +10%

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Optic type
911401567743	BY570P LED200/NW PSU WB PP	4000 K	Beam angle 90°
911401575343	BY570P LED200/CW PSU NB SP	6500 K	Beam angle 60°

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
911401567743	BY570P LED200/NW PSU WB PP	(0.380,0.379)

Order Code	Full Product Name	Initial chromaticity
911401575343	BY570P LED200/CW PSU NB SP	(0.313,0.324)

www.lighting.philips.com

2023, August 2 – data subject to change