



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, providing. 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

- 140 lm/W system efficacy
- 70,000 hours lifetime @Ta 35°C
- Glare control (Near Beam), uniform illumination (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
	Pipe
	Surface
Operating Temperature range	-30 to +50 °C (45 °C)
Light Source	LED
Mains Voltage	220-240V / 50-60Hz
Mains connection	Flying cable
Mechanical Accessories	Suspension kit
	Pipe kit
	Mounting bracket
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 aluminum
Main color of the luminaire	RAL7043
Flicker / Pst / SVM	PSU: <20%
	PSD: <4%
	Connected: <4%

Luminous flux	10klm - 25klm
Power consumption	69W - 199W
Luminaire efficacy	Up to 145lm/W
Correlated color temperature - CCT	4000K
	6500K
	5000K
Color Rendering index - CRI	80
Beam angle	WB: 93° ± 5°
	NB: 58° ± 5°
	HRO: 44°88° ± 5°
Optical cover/lens material	PC
Optical cover/lens finish	Clear
Protection Class	Class I
IEC61140	
Mechanical impact protection	IK06
Ingress protection	IP65
Driver replaceable	Yes

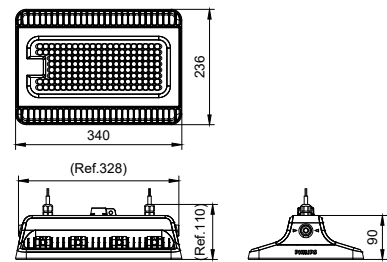
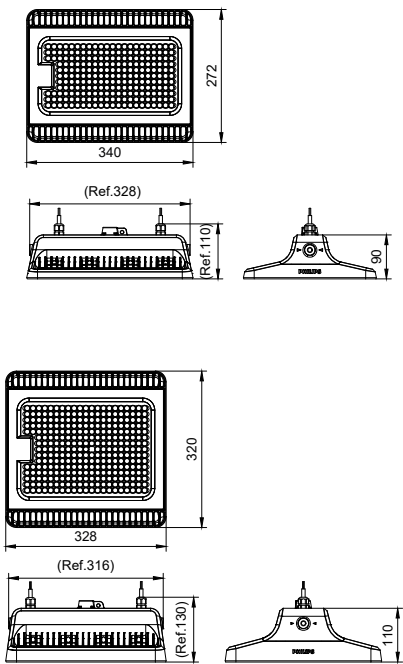
Versions



LED200

GreenPerform Highbay Rectangular

Dimensional drawing



General Information	
CE mark	CE mark
Light Technical	
Optical cover type	Transparent dome
Color rendering index (CRI)	>80
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Mechanical and Housing	
Housing Color	Gray
Approval and Application	
Protection class IEC	Safety class I
Mech. impact protection code	IK06
Ingress protection code	IP65
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%

Light Technical

Order Code	Full Product Name	Correlated Color	Luminous Efficacy	Luminous Flux
		Temperature (Nom)	(rated) (Nom)	
01590761	BY570P LED100/CW PSU WB GM	6500 K	145 lm/W	10,000 lm
01590861	BY570P LED100/NW PSU WB GM	4000 K	145 lm/W	10,000 lm
01590961	BY570P LED100/CW PSU HRO GM	6500 K	145 lm/W	10,000 lm
01591161	BY570P LED150/CW PSU WB GM	6500 K	135 lm/W	15,000 lm
01591261	BY570P LED150/NW PSU WB GM	4000 K	135 lm/W	15,000 lm
01591361	BY570P LED150/CW PSU HRO GM	6500 K	135 lm/W	15,000 lm
01591461	BY570P LED150/NW PSU HRO GM	4000 K	135 lm/W	15,000 lm
01592361	BY570P LED100/NW PSD WB GM	4000 K	133 lm/W	10,000 lm
01592461	BY570P LED100/NW PSD HRO GM	4000 K	133 lm/W	10,000 lm
01592561	BY570P LED150/NW PSD WB GM	4000 K	126 lm/W	15,000 lm
01593361	BY570P LED150/CW PSD WB GM	6500 K	126 lm/W	15,000 lm
01594161	BY570P LED150/CW PSU NB GM	6500 K	135 lm/W	15,000 lm
01594261	BY570P LED150/NW PSU NB GM	4000 K	135 lm/W	15,000 lm
01594861	BY570P LED100/NW PSD NB GM	4000 K	133 lm/W	10,000 lm
01595061	BY570P LED150/NW PSD NB GM	4000 K	126 lm/W	15,000 lm
01591961	BY570P LED250/CW PSU WB GM	6500 K	140 lm/W	25,000 lm
01592161	BY570P LED250/CW PSU HRO GM	6500 K	140 lm/W	25,000 lm
01592961	BY570P LED250/NW PSD WB GM	4000 K	128 lm/W	25,000 lm
01593061	BY570P LED250/NW PSD HRO GM	4000 K	128 lm/W	25,000 lm

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Order Code	Full Product Name	Correlated Color	Luminous Efficacy	
		Temperature (Nom)	(rated) (Nom)	Luminous Flux
01593761	BY570P LED250/CW PSD WB GM	6500 K	128 lm/W	25,000 lm
01594561	BY570P LED250/CW PSU NB GM	6500 K	140 lm/W	25,000 lm
01594661	BY570P LED250/NW PSU NB GM	4000 K	140 lm/W	25,000 lm
01595361	BY570P LED250/CW PSD NB GM	6500 K	128 lm/W	25,000 lm
01595461	BY570P LED250/NW PSD NB GM	4000 K	128 lm/W	25,000 lm
01591561	BY570P LED200/CW PSU WB GM	6500 K	139 lm/W	20,000 lm
01591661	BY570P LED200/NW PSU WB GM	4000 K	139 lm/W	20,000 lm
01591761	BY570P LED200/CW PSU HRO GM	6500 K	139 lm/W	20,000 lm
01591861	BY570P LED200/NW PSU HRO GM	4000 K	139 lm/W	20,000 lm
01592761	BY570P LED200/NW PSD WB GM	4000 K	132 lm/W	20,000 lm
01592861	BY570P LED200/NW PSD HRO GM	4000 K	132 lm/W	20,000 lm
01593561	BY570P LED200/CW PSD WB GM	6500 K	132 lm/W	20,000 lm
01594361	BY570P LED200/CW PSU NB GM	6500 K	139 lm/W	20,000 lm
01594461	BY570P LED200/NW PSU NB GM	4000 K	139 lm/W	20,000 lm
01595161	BY570P LED200/CW PSD NB GM	6500 K	132 lm/W	20,000 lm
01595261	BY570P LED200/NW PSD NB GM	4000 K	132 lm/W	20,000 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
01590761	BY570P LED100/CW PSU WB GM	69 W
01590861	BY570P LED100/NW PSU WB GM	69 W
01590961	BY570P LED100/CW PSU HRO GM	69 W
01591161	BY570P LED150/CW PSU WB GM	111 W
01591261	BY570P LED150/NW PSU WB GM	111 W
01591361	BY570P LED150/CW PSU HRO GM	111 W
01591461	BY570P LED150/NW PSU HRO GM	111 W
01592361	BY570P LED100/NW PSD WB GM	75 W
01592461	BY570P LED100/NW PSD HRO GM	75 W
01592561	BY570P LED150/NW PSD WB GM	119 W
01593361	BY570P LED150/CW PSD WB GM	119 W
01594161	BY570P LED150/CW PSU NB GM	111 W
01594261	BY570P LED150/NW PSU NB GM	111 W
01594861	BY570P LED100/NW PSD NB GM	75 W
01595061	BY570P LED150/NW PSD NB GM	119 W
01591961	BY570P LED250/CW PSU WB GM	182 W
01592161	BY570P LED250/CW PSU HRO GM	182 W
01592961	BY570P LED250/NW PSD WB GM	199 W

Order Code	Full Product Name	Power Consumption
01593061	BY570P LED250/NW PSD HRO GM	199 W
01593761	BY570P LED250/CW PSD WB GM	199 W
01594561	BY570P LED250/CW PSU NB GM	182 W
01594661	BY570P LED250/NW PSU NB GM	182 W
01595361	BY570P LED250/CW PSD NB GM	199 W
01595461	BY570P LED250/NW PSD NB GM	199 W
01591561	BY570P LED200/CW PSU WB GM	144 W
01591661	BY570P LED200/NW PSU WB GM	144 W
01591761	BY570P LED200/CW PSU HRO GM	144 W
01591861	BY570P LED200/NW PSU HRO GM	144 W
01592761	BY570P LED200/NW PSD WB GM	152 W
01592861	BY570P LED200/NW PSD HRO GM	152 W
01593561	BY570P LED200/CW PSD WB GM	152 W
01594361	BY570P LED200/CW PSU NB GM	144 W
01594461	BY570P LED200/NW PSU NB GM	144 W
01595161	BY570P LED200/CW PSD NB GM	152 W
01595261	BY570P LED200/NW PSD NB GM	152 W

Temperature

Order Code	Full Product Name	Ambient temperature range
01590761	BY570P LED100/CW PSU WB GM	-30 to +50 °C
01590861	BY570P LED100/NW PSU WB GM	-30 to +50 °C
01590961	BY570P LED100/CW PSU HRO GM	-30 to +50 °C
01591161	BY570P LED150/CW PSU WB GM	-30 to +50 °C
01591261	BY570P LED150/NW PSU WB GM	-30 to +50 °C

Order Code	Full Product Name	Ambient temperature range
01591361	BY570P LED150/CW PSU HRO GM	-30 to +50 °C
01591461	BY570P LED150/NW PSU HRO GM	-30 to +50 °C
01592361	BY570P LED100/NW PSD WB GM	-30 to +45 °C
01592461	BY570P LED100/NW PSD HRO GM	-30 to +45 °C
01592561	BY570P LED150/NW PSD WB GM	-30 to +45 °C

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Order Code	Full Product Name	Ambient temperature range
01593361	BY570P LED150/CW PSD WB GM	-30 to +45 °C
01594161	BY570P LED150/CW PSU NB GM	-30 to +50 °C
01594261	BY570P LED150/NW PSU NB GM	-30 to +50 °C
01594861	BY570P LED100/NW PSD NB GM	-30 to +45 °C
01595061	BY570P LED150/NW PSD NB GM	-30 to +45 °C
01591961	BY570P LED250/CW PSU WB GM	-30 to +50 °C
01592161	BY570P LED250/CW PSU HRO GM	-30 to +50 °C
01592961	BY570P LED250/NW PSD WB GM	-30 to +45 °C
01593061	BY570P LED250/NW PSD HRO GM	-30 to +45 °C
01593761	BY570P LED250/CW PSD WB GM	-30 to +45 °C
01594561	BY570P LED250/CW PSU NB GM	-30 to +50 °C
01594661	BY570P LED250/NW PSU NB GM	-30 to +50 °C
01595361	BY570P LED250/CW PSD NB GM	-30 to +45 °C

Order Code	Full Product Name	Ambient temperature range
01595461	BY570P LED250/NW PSD NB GM	-30 to +45 °C
01591561	BY570P LED200/CW PSU WB GM	-30 to +50 °C
01591661	BY570P LED200/NW PSU WB GM	-30 to +50 °C
01591761	BY570P LED200/CW PSU HRO GM	-30 to +50 °C
01591861	BY570P LED200/NW PSU HRO GM	-30 to +50 °C
01592761	BY570P LED200/NW PSD WB GM	-30 to +45 °C
01592861	BY570P LED200/NW PSD HRO GM	-30 to +45 °C
01593561	BY570P LED200/CW PSD WB GM	-30 to +45 °C
01594361	BY570P LED200/CW PSU NB GM	-30 to +50 °C
01594461	BY570P LED200/NW PSU NB GM	-30 to +50 °C
01595161	BY570P LED200/CW PSD NB GM	-30 to +45 °C
01595261	BY570P LED200/NW PSD NB GM	-30 to +45 °C

Controls and Dimming

Order Code	Full Product Name	Dimmable
01590761	BY570P LED100/CW PSU WB GM	No
01590861	BY570P LED100/NW PSU WB GM	No
01590961	BY570P LED100/CW PSU HRO GM	No
01591161	BY570P LED150/CW PSU WB GM	No
01591261	BY570P LED150/NW PSU WB GM	No
01591361	BY570P LED150/CW PSU HRO GM	No
01591461	BY570P LED150/NW PSU HRO GM	No
01592361	BY570P LED100/NW PSD WB GM	Yes
01592461	BY570P LED100/NW PSD HRO GM	Yes
01592561	BY570P LED150/NW PSD WB GM	Yes
01593361	BY570P LED150/CW PSD WB GM	Yes
01594161	BY570P LED150/CW PSU NB GM	No
01594261	BY570P LED150/NW PSU NB GM	No
01594861	BY570P LED100/NW PSD NB GM	Yes
01595061	BY570P LED150/NW PSD NB GM	Yes
01591961	BY570P LED250/CW PSU WB GM	No
01592161	BY570P LED250/CW PSU HRO GM	No
01592961	BY570P LED250/NW PSD WB GM	Yes

Order Code	Full Product Name	Dimmable
01593061	BY570P LED250/NW PSD HRO GM	Yes
01593761	BY570P LED250/CW PSD WB GM	Yes
01594561	BY570P LED250/CW PSU NB GM	No
01594661	BY570P LED250/NW PSU NB GM	No
01595361	BY570P LED250/CW PSD NB GM	Yes
01595461	BY570P LED250/NW PSD NB GM	Yes
01591561	BY570P LED200/CW PSU WB GM	No
01591661	BY570P LED200/NW PSU WB GM	No
01591761	BY570P LED200/CW PSU HRO GM	No
01591861	BY570P LED200/NW PSU HRO GM	No
01592761	BY570P LED200/NW PSD WB GM	Yes
01592861	BY570P LED200/NW PSD HRO GM	Yes
01593561	BY570P LED200/CW PSD WB GM	Yes
01594361	BY570P LED200/CW PSU NB GM	No
01594461	BY570P LED200/NW PSU NB GM	No
01595161	BY570P LED200/CW PSD NB GM	Yes
01595261	BY570P LED200/NW PSD NB GM	Yes

