



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

- up to 156lm/W system efficacy
- 75,000 hours L70B50 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

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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%

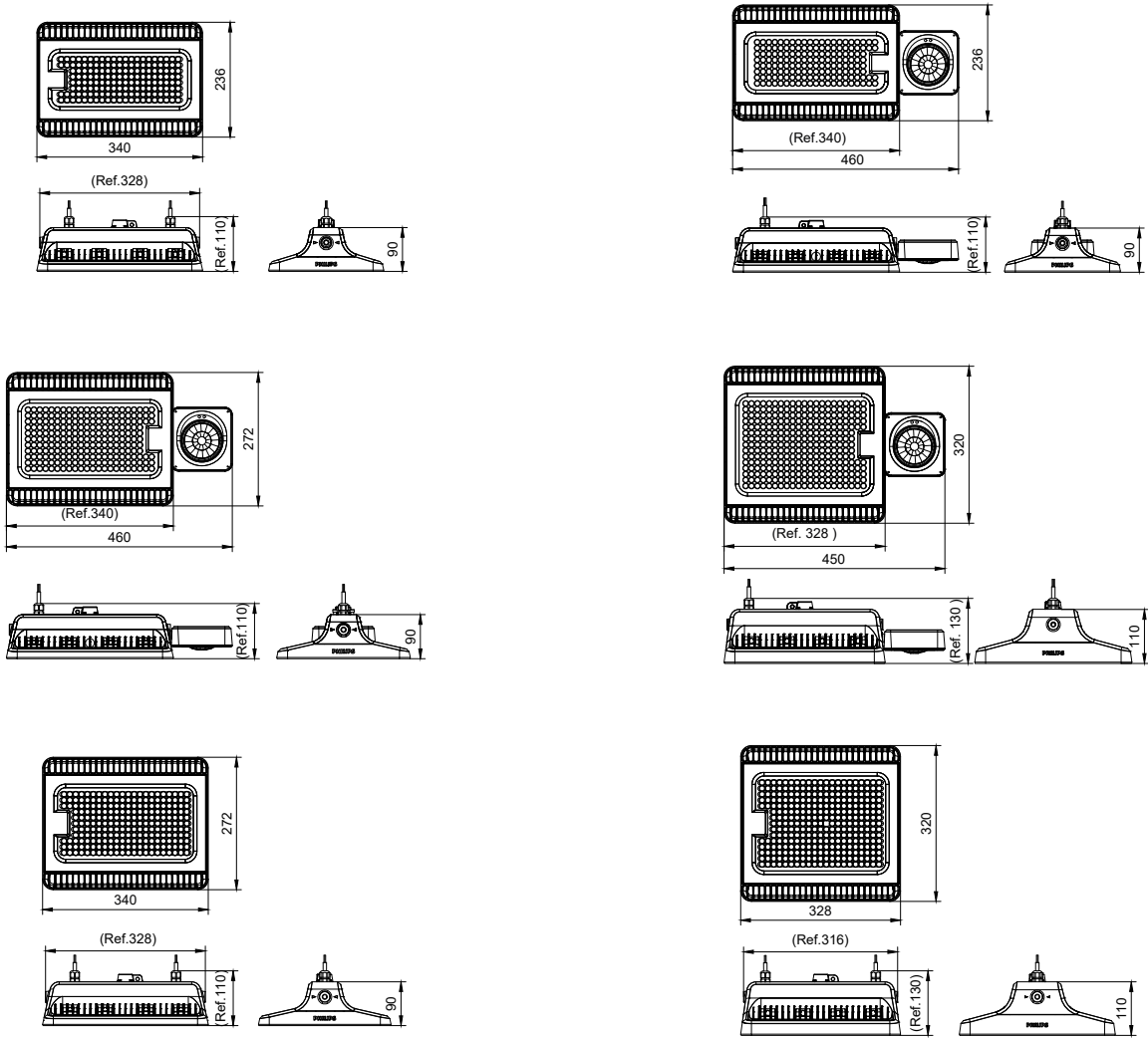
Luminous flux	10klm - 25klm
Power consumption	69W - 199W
Luminaire efficacy	Up to 145lm/W
Correlated color temperature - CCT	4000K
	6500K
	5000K
Color Rendering index - CRI	80
Beam angle	WB: 93° ± 5°
	NB: 58° ± 5°
	HRO: 44*88° ± 5°
Optical cover/lens material	PC
Optical cover/lens finish	Clear
Protection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

Versions



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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
Operating and Electrical	
Protection class IEC	Safety class I
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Suitable for random switching	No
Mechanical and Housing	
Optical cover type	Polycarbonate
Housing Color	RAL 7043
Mech. impact protection code	IK06
Ingress protection code	IP65
Approval and Application	
CE mark	Yes
Initial Performance (IEC Compliant)	
Luminous flux tolerance	-10% / +10%

Light Technical

Order Code	Full Product Name	Correlated Color	Luminous	Luminous	Optic type
		Temperature	Efficacy (rated)		
(Nom)	(Nom)	(Nom)	(Nom)	Flux	
911401580943	BY570P LED100/840 PSU WB CAU	4000 K	156 lm/W	10,000 lm	Beam angle 90°
911401581243	BY570P LED150/840 PSU WB CAU	4000 K	144 lm/W	10,000 lm	Beam angle 90°
911401582143	BY570P LED100/840 PSD WB CAU	4000 K	149 lm/W	20,000 lm	Beam angle 90°
911401582443	BY570P LED150/840 PSD WB CAU	4000 K	137 lm/W	20,000 lm	Beam angle 90°
911401582043	BY570P LED250/840 PSU HRO CAU	4000 K	146 lm/W	15,000 lm	Symmetrical
911401583043	BY570P LED250/840 PSD WB CAU	4000 K	139 lm/W	25,000 lm	Beam angle 90°
911401584743	BY570P LED250/840 PSU WB CAU CL	4000 K	146 lm/W	25,000 lm	Beam angle 90°
911401584843	BY570P LED250/865 PSU WB CAU CL	6500 K	146 lm/W	25,000 lm	Beam angle 90°
911401583343	BY570X LED100/840 SIA WB CAU	4000 K	150 lm/W	10,000 lm	Beam angle 90°
911401583643	BY570X LED150/840 SIA WB CAU	4000 K	139 lm/W	15,000 lm	Beam angle 90°
911401583943	BY570X LED200/840 SIA WB CAU	4000 K	143 lm/W	20,000 lm	Beam angle 90°
911401584243	BY570X LED250/840 SIA WB CAU	4000 K	142 lm/W	25,000 lm	Beam angle 90°
911401581643	BY570P LED200/840 PSU NB CAU	4000 K	146 lm/W	15,000 lm	Beam angle 60°
911401581743	BY570P LED200/840 PSU HRO CAU	4000 K	146 lm/W	15,000 lm	Symmetrical
911401582743	BY570P LED200/840 PSD WB CAU	4000 K	141 lm/W	25,000 lm	Beam angle 90°
911401584543	BY570P LED200/840 PSU WB CAU CL	4000 K	146 lm/W	20,000 lm	Beam angle 90°
911401584643	BY570P LED200/865 PSU WB CAU CL	6500 K	146 lm/W	20,000 lm	Beam angle 90°

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Order Code	Full Product Name	Power Consumption
911401580943	BY570P LED100/840 PSU WB CAU	64 W	911401583643	BY570X LED150/840 SIA WB CAU	108 W
911401581243	BY570P LED150/840 PSU WB CAU	105 W	911401583943	BY570X LED200/840 SIA WB CAU	140 W
911401582143	BY570P LED100/840 PSD WB CAU	67 W	911401584243	BY570X LED250/840 SIA WB CAU	177 W
911401582443	BY570P LED150/840 PSD WB CAU	110 W	911401581643	BY570P LED200/840 PSU NB CAU	137 W
911401582043	BY570P LED250/840 PSU HRO CAU	171 W	911401581743	BY570P LED200/840 PSU HRO CAU	137 W
911401583043	BY570P LED250/840 PSD WB CAU	181 W	911401582743	BY570P LED200/840 PSD WB CAU	142 W
911401584743	BY570P LED250/840 PSU WB CAU CL	171 W	911401584543	BY570P LED200/840 PSU WB CAU CL	137 W
911401584843	BY570P LED250/865 PSU WB CAU CL	171 W	911401584643	BY570P LED200/865 PSU WB CAU CL	137 W
911401583343	BY570X LED100/840 SIA WB CAU	67 W			

Controls and Dimming

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Order Code	Full Product Name	Dimmable	Maximum dim level
911401580943	BY570P LED100/840 PSU WB CAU	-	Not applicable
911401581243	BY570P LED150/840 PSU WB CAU	-	Not applicable
911401582143	BY570P LED100/840 PSD WB CAU	DALI	10%
911401582443	BY570P LED150/840 PSD WB CAU	DALI	10%
911401582043	BY570P LED250/840 PSU HRO CAU	-	Not applicable
911401583043	BY570P LED250/840 PSD WB CAU	DALI	10%
911401584743	BY570P LED250/840 PSU WB CAU CL	-	Not applicable
911401584843	BY570P LED250/865 PSU WB CAU CL	-	Not applicable
911401583343	BY570X LED100/840 SIA WB CAU	Wireless Dim	1%

Order Code	Full Product Name	Dimmable	Maximum dim level
911401583643	BY570X LED150/840 SIA WB CAU	Wireless Dim	1%
911401583943	BY570X LED200/840 SIA WB CAU	Wireless Dim	1%
911401584243	BY570X LED250/840 SIA WB CAU	Wireless Dim	1%
911401581643	BY570P LED200/840 PSU NB CAU	-	Not applicable
911401581743	BY570P LED200/840 PSU HRO CAU	-	Not applicable
911401582743	BY570P LED200/840 PSD WB CAU	DALI	10%
911401584543	BY570P LED200/840 PSU WB CAU CL	-	Not applicable
911401584643	BY570P LED200/865 PSU WB CAU CL	-	Not applicable

Approval and Application

Order Code	Full Product Name	Ambient temperature range
911401580943	BY570P LED100/840 PSU WB CAU	-30 to +50 °C
911401581243	BY570P LED150/840 PSU WB CAU	-30 to +50 °C
911401582143	BY570P LED100/840 PSD WB CAU	-30 to +45 °C
911401582443	BY570P LED150/840 PSD WB CAU	-30 to +45 °C
911401582043	BY570P LED250/840 PSU HRO CAU	-30 to +50 °C
911401583043	BY570P LED250/840 PSD WB CAU	-30 to +45 °C
911401584743	BY570P LED250/840 PSU WB CAU CL	-30 to +50 °C
911401584843	BY570P LED250/865 PSU WB CAU CL	-30 to +50 °C
911401583343	BY570X LED100/840 SIA WB CAU	-30 to +45 °C

Order Code	Full Product Name	Ambient temperature range
911401583643	BY570X LED150/840 SIA WB CAU	-30 to +45 °C
911401583943	BY570X LED200/840 SIA WB CAU	-30 to +45 °C
911401584243	BY570X LED250/840 SIA WB CAU	-30 to +45 °C
911401581643	BY570P LED200/840 PSU NB CAU	-30 to +50 °C
911401581743	BY570P LED200/840 PSU HRO CAU	-30 to +50 °C
911401582743	BY570P LED200/840 PSD WB CAU	-30 to +45 °C
911401584543	BY570P LED200/840 PSU WB CAU CL	-30 to +50 °C
911401584643	BY570P LED200/865 PSU WB CAU CL	-30 to +50 °C

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
911401580943	BY570P LED100/840 PSU WB CAU	(0.380,0.379)
911401581243	BY570P LED150/840 PSU WB CAU	(0.380,0.379)
911401582143	BY570P LED100/840 PSD WB CAU	(0.380,0.379)
911401582443	BY570P LED150/840 PSD WB CAU	(0.380,0.379)
911401582043	BY570P LED250/840 PSU HRO CAU	(0.380,0.379)
911401583043	BY570P LED250/840 PSD WB CAU	(0.380,0.379)
911401584743	BY570P LED250/840 PSU WB CAU CL	(0.380,0.379)
911401584843	BY570P LED250/865 PSU WB CAU CL	(0.313,0.324)
911401583343	BY570X LED100/840 SIA WB CAU	(0.380,0.379)

Order Code	Full Product Name	Initial chromaticity
911401583643	BY570X LED150/840 SIA WB CAU	(0.380,0.379)
911401583943	BY570X LED200/840 SIA WB CAU	(0.380,0.379)
911401584243	BY570X LED250/840 SIA WB CAU	(0.380,0.379)
911401581643	BY570P LED200/840 PSU NB CAU	(0.380,0.379)
911401581743	BY570P LED200/840 PSU HRO CAU	(0.380,0.379)
911401582743	BY570P LED200/840 PSD WB CAU	(0.380,0.379)
911401584543	BY570P LED200/840 PSU WB CAU CL	(0.380,0.379)
911401584643	BY570P LED200/865 PSU WB CAU CL	(0.313,0.324)

