PHILIPS

Lighting

GreenPerform Highbay Rectangular

BY570P LED200/CW PSD HRO PP

GreenPerform Highbay Rectangular, 142 W, 20000 lm, 6500 K, DALI, 45° x 90°

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.

Product data

General Information	
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Value ladder	Performance
Warranty period	3 years

Light Technical	
Luminous Flux	20,000 lm
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	141 lm/W
Color rendering index (CRI)	80
Beam angle of light source	116 degree(s)
Light source color	865 cool daylight
Optic type	Symmetrical
Luminaire light beam spread	45° x 90°
Unified glare rating CEN	28

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	142 W
Power Factor (Fraction)	0.95
Connection	2 Push-in connector 2-pole
Cable	Cable without plug 3-pole
Number of products on MCB of 16 A type B	8
Suitable for random switching	No

GreenPerform Highbay Rectangular

Protection class IEC	Safety class I

Controls and Dimming

Dimmable	DALI
Control interface	DALI
Maximum dim level	10%

Mechanical and Housing

Housing Material	Aluminum Alloy
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Housing Color	RAL 7043
Optical cover finish	Clear
Overall length	340 mm
Overall width	272 mm
Overall height	110 mm
Dimensions (Height x Width x Depth)	110 x 272 x 340 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [1 J]
Optical cover type	Polycarbonate
Net Weight (Piece)	4.210 kg

Approval and Application

CE mark	Yes
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	35 °C
Ambient temperature range	-30 to +45 °C

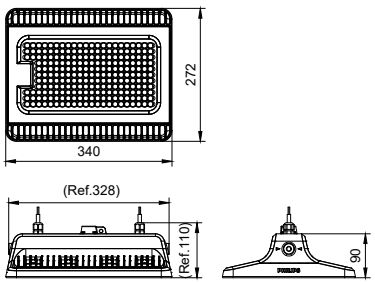
Initial Performance (IEC Compliant)

Luminous flux tolerance	-10% / +10%
Initial chromaticity	(0.313,0.324)
Power consumption tolerance	+/-10%

Product Data

Order product name	BY570P LED200/CW PSD HRO PP
Full product name	BY570P LED200/CW PSD HRO PP
Order code	911401570643
Material Nr. (12NC)	911401570643
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing



© 2024 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.