PHILIPS

Lighting

CoreLine Value Highbay

BY101P LED200S/840 PSU WB

CoreLine Value Highbay, 154 W, 20500 lm, 4000 K, Wide beam, IP65, IK06

CoreLine Value High-bay is the right choice for projects where essential specification and ease of installation are key. It comes with a trusted, high light quality, good service lifetime, energy savings and less maintenance. CoreLine Value High-bay delivers clear benefits for the installer too. The luminaire can be installed on the existing grid, and electrical connection is straightforward – there is no need to open the luminaire for installation and the external IP65 connector makes things easy to handle. A selection of optional accessories are available, including reflectors and a bracket to further increase installation flexibility.

Product data

General Information	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Lighting Technology	LED
CE mark	CE mark
Warranty period	5 years
Flammability mark	-
ENEC mark	-
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

Light Technical	
Luminous Flux	20,500 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	133 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	90°
Unified glare rating CEN	30

Operating and Electrical	
Input Voltage	220 to 240 V

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Line Frequency	50 or 60 Hz
Inrush current	42 A
Inrush time	0.65 ms
Power Consumption	154 W
Power Factor (Fraction)	0.95
Connection	Connection unit 3-pole
Cable	Cable 0.3 m with connector 3-pole
Number of products on MCB of 16 A type B	6

Temperature

Ambient temperature range	-20 to +45 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Mechanical and Housing

Housing Material	Aluminium die-cast ADC1 - alloy grade (EN AC-47100)
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	Gray
Optical cover finish	Matte
Overall height	99 mm
Overall diameter	305 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [1 J]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk specification	0.4 m

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.385, 0.380) SDCM<5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L70

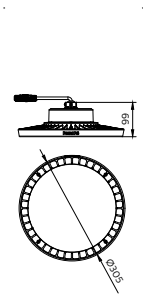
Application Conditions

Performance ambient temperature Tq	35 °C
Suitable for random switching	No

Product Data

Order product name	BY101P LED200S/840 PSU WB
Full product name	BY101P LED200S/840 PSU WB
Full product code	871951452921200
Order code	911401646207
Material Nr. (12NC)	911401646207
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514529212
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514529212

Dimensional drawing



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