



CoreLine Value Highbay

BY100P LED100S/840 PSU WB

- Power supply unit (ON/OFF) - Wide beam - 90°

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		Operating and Electrical	
Light source replaceable	No	Luminaire light beam spread	90°
Number of gear units	1 unit	Unified glare rating CEN	28
Driver included	Yes	Input Voltage	220 to 240 V
Lighting Technology	LED	Line Frequency	50 or 60 Hz
Light Technical		Input Frequency	50 or 60 Hz
Luminous Flux	10,500 lumen	Power Consumption	77 W
Saturated Red (R9)	<50	Inrush current	40 A
Correlated Color Temperature (Nom)	4000 K	Inrush time	0.6 ms
Luminous Efficacy (rated) (Nom)	136 lm/W	Power Factor (Fraction)	0.95
Color rendering index (CRI)	>80	Connection	Connection unit 3-pole
Light source color	840 neutral white	Cable	Cable 0.3 m with connector 3-pole
Optic type	Wide beam		

CoreLine Value Highbay

Number of products on MCB of 16 A type B	8
--	---

Temperature

Ambient temperature range	-20 to +45 °C
---------------------------	---------------

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (ON/OFF)
Control interface	-
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/lens material	Polycarbonate
Fixation material	Steel
Housing Color	Gray
Optical cover/lens finish	Matte
Overall height	89 mm
Overall diameter	278 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
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	-
CE mark	Yes

ENEC mark	-
Warranty period	5 years
Photobiological risk specification	0.4 m
EU RoHS compliant	Yes

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	5 %
50000 h	
Lumen maintenance at median useful life*	L70
50000 h	

Application Conditions

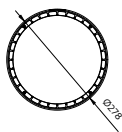
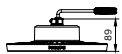
Performance ambient temperature Tq	35 °C
Suitable for random switching	No

Product Data

Full product code	871951454298300
Order product name	BY100P LED100S/840 PSU WB
Order code	911401671107
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material number (12NC)	911401671107
Full product name	BY100P LED100S/840 PSU WB
EAN/UPC - Case	8719514542983



Dimensional drawing



CoreLine Value Highbay

