



GreenUp Line Highbay

BY450P LED136/NW PSU WB EN

840 neutral white - Power supply unit - Wide beam

The GreenUp Line Highbay is a simple LED solution which efficiently illuminates work areas, creating a brighter and better warehouse, retail or manufacture environment. With its three optical designs and energy-efficiency, this easy-to-install and low-maintenance lighting solution is suitable for a variety of applications.

Warnings and Safety

- The product is IPX0 & as such is not protected against water ingress and as such we strongly recommend that the environment in which the luminaire is to be installed is suitably checked
- If the above advice is not taken and the luminaires are subject to water ingress, Philips/Signify cannot guarantee safe failure and product warranty will become void

Product data

General Information		Operating and Electrical	
Beam angle of light source	- °	Glow-wire test	650/5 [Temperature 650 °C, duration 5 s]
Lamp colour code	840 neutral white	Flammability mark	F [For mounting on normally flammable surfaces]
Light source replaceable	No	CE mark	CE mark
Number of gear units	1 unit	ENEC mark	-
Driver/power unit/transformer	PSU [Power supply unit]	Warranty period	3 years
Driver included	Yes	Constant light output	No
Optic type	WB [Wide beam]	Number of products on MCB (16 A type B)	11
Optical cover/lens type	LIN-PC [Linear-lens array in polycarbonate cover]	EU RoHS compliant	No
Luminaire light beam spread	90°	Light source engine type	LED
Control interface	-		
Connection	Flying leads/wires	Input Voltage	220 to 240 V
Cable	Cable 1.5 m without plug (C1K5)	Input frequency	50 to 60 Hz
Protection class IEC	Safety class I (I)	Inrush current	46 A

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Inrush time	440 ms
Power factor (min.)	0.95

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing material	Aluminum extruded
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Optical cover/lens finish	Clear
Overall length	1318 mm
Overall width	125 mm
Colour	Aluminium and White

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.3 J]

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	13600 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	118 lm/W
Lamp colour temperature	4000 K

Colour Rendering Index	>80
Initial chromaticity	(0.38,0.38)SDCM<5
Initial input power	115 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Median useful life L70B50	50000 h
Median useful life L80B50	40000 h
Median useful life L90B50	30000 h

Application Conditions

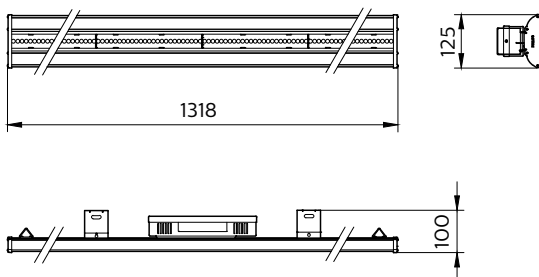
Ambient temperature range	-20 to +45 °C
Maximum dimming level	Not applicable
Suitable for random switching	No

Product Data

Full product code	911401531351
Order product name	BY450P LED136/NW PSU WB EN
Order code	911401531351
SAP numerator – quantity per pack	1
Numerator – packs per outer box	2
SAP material	911401531351
SAP net weight (piece)	2.499 kg



Dimensional drawing



GreenUp High-bay BY550P/BY550X

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