GreenUp Lowbay G2

BY288P LED90/NW PSR EN

GreenUp Lowbay G2, 75 W, 8800 lm, 4000 K, 102°

Good lighting is essential in industrial workspaces and large indoor areas. The wrong choice of lights or a lighting not correctly planned can lead to eye strain, fatigue, and poor performance, compromising safety and productivity.The Philips GreenUp Lowbay G2 luminaire is a simple LED solution which efficiently illuminates work areas, creating a brighter and better work, retail or sporting environment. With its crisp, white light and high color rendering index coupled with energy efficiency, high visibility and enhances safety 24/7.Equipped with motion detection function, this easy-to-install and low-maintenance lighting solution is suitable for a variety of applications.

Product data

General Information

Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
CE mark	CE mark
Warranty period	3 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	–
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	No

Light Technical

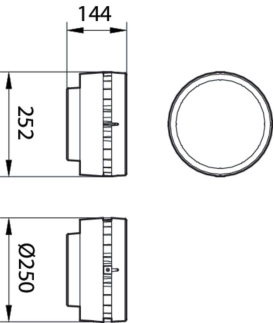|	
Luminous Flux	8,800 lm

Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	117 lm/W
Color rendering index (CRI)	>80
Light source color	Neutral white
Optic type	–
Optical cover type	Opal
Luminaire light beam spread	102°

Operating and Electrical

Input Voltage	220-400 V
Line Frequency	50 or 60 Hz
Inrush current	46 A
Inrush time	0.44 ms
Power Consumption	75 W
Power Factor (Fraction)	0.95
Connection	Flying leads/wires

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Cable	Cable 0.3 m without plug
Number of products on MCB of 16 A type B	11

Temperature

Ambient temperature range	–20 to +45 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating
Control interface	–
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	–
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	–
Housing Color	Grey
Optical cover finish	Frosted
Overall height	144 mm
Overall diameter	250 mm

Approval and Application

Ingress protection code	IP20 [Finger–protected]
Mech. impact protection code	IK03 [0.3 J]
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/–10%
Initial chromaticity	(0.38.0.38)SDCM<5
Power consumption tolerance	+/–10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.01 %
Median useful life L70B50	50,000 h
Median useful life L80B50	40,000 h
Median useful life L90B50	20,000 h

Application Conditions

Maximum dim level	10%
Suitable for random switching	No

Product Data

Order product name	BY288P LED90/NW PSR EN
Full product name	BY288P LED90/NW PSR EN
Full product code	911401843299
Local code description	BY288P75W4KR
Order code	911401843299
Material Nr. (12NC)	911401843299
Local order code	BY288P90W4KR
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1

Dimensional drawing