# **PHILIPS** Lighting



# **GreenUp Lowbay G2**

## BY288P LED90/NW PSU 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**

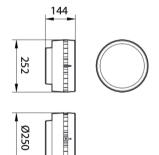
General Information	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
CE mark	CE mark
Warranty period	3 years
Flammability mark	For mounting on normally flammable
Flammability mark	For mounting on normally flammable surfaces
Flammability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

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	8.6 A
Inrush time	0.05 ms
Power Consumption	75 W
Power Factor (Fraction)	0.95
Connection	Flying leads/wires

### **GreenUp Lowbay G2**

Cable	Cable 0.3 m without plug	Initial Performance (IEC Compliant)		
Number of products on MCB of 16 A type B 24		Luminous flux tolerance	+/-10%	
		Initial chromaticity	(0.38.0.38)SDCM<5	
Temperature		Power consumption tolerance	+/-10%	
Ambient temperature range	-20 to +45 °C			
		Over Time Performance (IEC Co	Over Time Performance (IEC Compliant)	
Controls and Dimming		Driver failure rate at 5000 h	0.01 %	
Dimmable	No	Median useful life L70B50	50,000 hour(s)	
Driver/power unit/transformer	Power supply unit (On/Off)	Median useful life L80B50	40,000 hour(s)	
Control interface	-	Median useful life L90B50	20,000 hour(s)	
Constant light output	No			
		Application Conditions		
Mechanical and Housing		Suitable for random switching	No	
Housing Material	Aluminum die cast			
Reflector material	-	Product Data		
Optic material	Polycarbonate	Order product name	BY288P LED90/NW PSU E	
Optical cover material	Polycarbonate	Full product name	BY288P LED90/NW PSU E	
Fixation material	-	Full product code	872016972885100	
Housing Color	Grey	Order code	72885100	
Optical cover finish	Frosted	Material Nr. (12NC)	911401843099	
Overall height	144 mm	Numerator - Quantity Per Pack	1	
Overall diameter	250 mm	EAN/UPC - Product/Case	8720169728851	
		Numerator - Packs per outer box	1	
Approval and Application		EAN/UPC - Case	8720169728851	
Ingress protection code	IP20 [Finger-protected]			
Mech. impact protection code	IK03 [0.3 J]			

#### Dimensional drawing



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www.lighting.philips.com 2023, May 1 - data subject to change