PHILIPS

Lighting

GreenUp Lowbay G2 – A brighter solution for safer workspaces

GreenUp Lowbay G2

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.

Benefits

- High energy saving up to 73% comparing to HPI-P system.
- Lighting for need, is able to achieve additional 10% energy saving through occupancy and motion-based dimming.
- Comfort light quality
- Easy installation and retrofitting

Features

- High efficacy: 120 lumens per watt
- Provides option of 1~10V motion detection sensor version on 8800lm
- Consistent color rendering CRI>80 and R9>0
- Micro lens structure to realize the accurate distribution good glare control
- Five choices of optional accessories make it suitable for various applications
- Lifetime of 50,000 hours @L70B50 with end-to-end Philips production quality assurance

GreenUp Lowbay G2

Application

- Industrial workspaces
- Open areas
- Warehouses
- Retail stores
- Stadiums

Specifications

Mounting type	Suspended
	Pipe
	Surface
Operating Temperature range	-20 to +45 ºC
Light Source	LED
Mains Voltage	220-240V / 50-60Hz
Mains connection	Flying cable
Dimming	PSU: non-dimmable
	PSR: Dimmable via 1-10V
Control system input	1-10V
Lumen maintenance at median useful life 50.000h	L70
Luminous flux	4klm - 9klm
Power consumption	30W / 50W / 75W

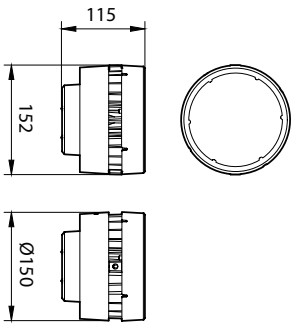
Luminaire efficacy	Up to 120lm/W
Correlated color temperature - CCT	4000K 6500K
Color Rendering index - CRI	80
Beam angle	Lambertian
Reflector material	Aluminum
Optical cover/lens material	PC
Optical cover/lens finish	Opal
Protection Class IEC61140	Class I
Ingress protection	IP20
Driver replaceable	Yes

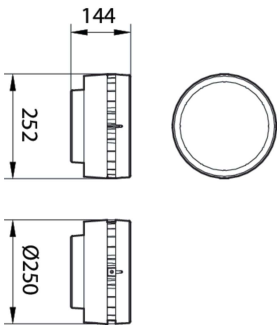
Versions

GreenUp Lowbay G2 BY288P

GreenUp Lowbay G2

Dimensional drawing





Product details

GreenUp Lowbay G2 BY288P

GreenUp Lowbay G2 BY288P LED40

GreenUp Lowbay G2 BY288P w Reflector

GreenUp Lowbay G2 BY288P Pipe

GreenUp Lowbay G2 BY288P Bracket

GreenUp Lowbay G2 BY288P Back

GreenUp Lowbay G2

Product details

GreenUp Lowbay G2 BY288P

Chain

GreenUp Lowbay G2

General Information	
Driver included	Yes
Light source replaceable	No
Number of gear units	1 unit
Service tag	Yes

Light Technical	
Color rendering index (CRI)	>80

Operating and Electrical	
Protection class IEC	Safety class I
Input Voltage	220-400 V
Line Frequency	50 or 60 Hz
Suitable for random switching	No

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Optical cover type	Opal
Housing Color	Gray
Mech. impact protection code	IK03
Ingress protection code	IP20

Approval and Application	
Ambient temperature range	-20 to +45 °C
CE mark	Yes
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 5 s

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%

Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	0.01 %
Median useful life L80B50	40,000 hour(s)
Median useful life L90B50	20,000 hour(s)

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401508031	BY288P LED90/CW PSU	6500 K	117 lm/W	8,800 lm
911401508331	BY288P LED60/NW PSU	4000 K	118 lm/W	5,900 lm
911401508431	BY288P LED60/CW PSU	6500 K	118 lm/W	5,900 lm
911401508731	BY288P LED90/NW PSU	4000 K	117 lm/W	8,800 lm
911401508131	BY288P LED40/NW PSU	4000 K	120 lm/W	3,600 lm
911401508231	BY288P LED40/CW PSU	6500 K	120 lm/W	3,600 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401508031	BY288P LED90/CW PSU	75 W
911401508331	BY288P LED60/NW PSU	50 W
911401508431	BY288P LED60/CW PSU	50 W

Order Code	Full Product Name	Power Consumption
911401508731	BY288P LED90/NW PSU	75 W
911401508131	BY288P LED40/NW PSU	30 W
911401508231	BY288P LED40/CW PSU	30 W

Initial Performance (IEC Compliant)

GreenUp Lowbay G2

Order Code	Full Product Name	Initial chromaticity
911401508031	BY288P LED90/CW PSU	(0.313.0.324)SDCM<5
911401508331	BY288P LED60/NW PSU	(0.38.0.38)SDCM<5
911401508431	BY288P LED60/CW PSU	(0.313.0.324)SDCM<5

Order Code	Full Product Name	Initial chromaticity
911401508731	BY288P LED90/NW PSU	(0.38.0.38)SDCM<5
911401508131	BY288P LED40/NW PSU	(0.38.0.38)SDCM<5
911401508231	BY288P LED40/CW PSU	(0.313.0.324)SDCM<5

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