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

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Application

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

Specifications

Mounting type	Suspended		**Luminaire efficacy**	Up to 120lm/W
	Pipe		**Correlated color**	4000K
	Surface		**temperature – CCT**	6500K
Operating Temperature range	–20 to +45 ºC		**Color Rendering index – CRI**	80
Light Source	LED		**Beam angle**	Lambertian
Mains Voltage	220-240V / 50-60Hz		**Reflector material**	Aluminum
Mains connection	Flying cable		**Optical cover/lens material**	PC
Dimming	PSU: non-dimmable		**Optical cover/lens finish**	Opal
	PSR: Dimmable via 1-10V		**Protection Class IEC61140**	Class I
Control system input	1-10V		**Ingress protection**	IP20
Lumen maintenance at median useful life 50.000h	L70		**Driver replaceable**	Yes
Luminous flux	4klm – 9klm			
Power consumption	30W / 50W / 75W			

Versions

GreenUp Lowbay G2 BY288P

GreenUp Lowbay G2

Dimensional drawing

115

152

Ø150

144

252

Ø250
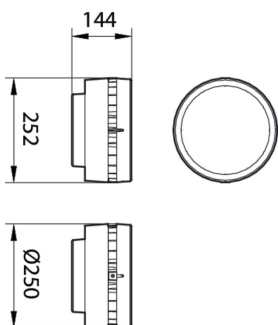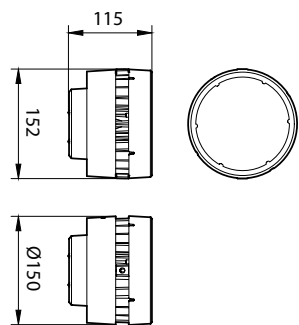
Product details

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

Product details

GreenUp Lowbay G2 BY288P
Chain

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General Information

CE mark	CE mark
Driver included	Yes
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	No
Number of gear units	1 unit
Service tag	Yes

Light Technical

Optical cover type	Opal
Color rendering index (CRI)	>80

Operating and Electrical

Input Voltage	220-400 V
Line Frequency	50 or 60 Hz

Temperature

Ambient temperature range	–20 to +45 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Housing Color	Gray

Approval and Application

Protection class IEC	Safety class I
Mech. impact protection code	IK03
Ingress protection code	IP20

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)

Application Conditions

Suitable for random switching	No

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	Order Code	Full Product Name	Power Consumption
911401508031	BY288P LED90/CW PSU	75 W	911401508731	BY288P LED90/NW PSU	75 W
911401508331	BY288P LED60/NW PSU	50 W	911401508131	BY288P LED40/NW PSU	30 W
911401508431	BY288P LED60/CW PSU	50 W	911401508231	BY288P LED40/CW PSU	30 W

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Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity	Order Code	Full Product Name	Initial chromaticity
911401508031	BY288P LED90/CW PSU	(0.313.0.324)SDCM<5	911401508731	BY288P LED90/NW PSU	(0.38.0.38)SDCM<5
911401508331	BY288P LED60/NW PSU	(0.38.0.38)SDCM<5	911401508131	BY288P LED40/NW PSU	(0.38.0.38)SDCM<5
911401508431	BY288P LED60/CW PSU	(0.313.0.324)SDCM<5	911401508231	BY288P LED40/CW PSU	(0.313.0.324)SDCM<5

www.lighting.philips.com

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