



# Ledinaire High-bay

## BY021P G3 LED200S/840 PSU WB GR

Ledinaire High-bay, Industry, 133 W, D319 mm, 20000 lm, 4000 K, Wide beam, IP65, IK06

The Ledinaire highbay range contains a selection of off-the-shelf highbay LED luminaires that comes with the high Philips quality levels at a competitive price. Reliable, energy efficient and affordable. Ledinaire highbay enables, simple and flexible installation, either on a hook, or optional bracket. Products can be installed with optional reflectors for lower glare.

### Product data

General Information		Operating and Electrical	
Number of gear units	1 unit	Luminaire light beam spread	90°
Driver included	Yes	Unified glare rating CEN	Not applicable
Value ladder	Value		
Serviceability class	Class C, luminaire without serviceable parts, not serviceable		
Warranty period	3 years		
Sustainability rating	-		
Light Technical		Connection	
Luminous Flux	20,000 lm	Input Voltage	220-240 V
Saturated Red (R9)	<50	Line Frequency	50 or 60 Hz
Correlated Color Temperature (Nom)	4000 K	Average CLO power consumption	133 W
Luminous Efficacy (rated) (Nom)	150 lm/W	Inrush current	42 A
Color rendering index (CRI)	80	Inrush time	650 ms
Beam angle of light source	116 degree(s)	Power Consumption	133 W
Light source color	840 neutral white	Power Factor (Fraction)	0.95
Optic type	Wide beam	Connection	Flying leads/wires
		Cable	Cable 0.3 m with connector 3-pole
		Number of products on MCB of 16 A type B	6
		Suitable for random switching	Yes
		Protection class IEC	Safety class I
		Total harmonic distortion	15 %

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<b>Wiring</b>		Photobiological risk specification	0.2 m
Connector Type		EU RoHS compliant	Yes
<b>Controls and Dimming</b>		Performance ambient temperature Tq	25 °C
Dimmable		Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Driver/power unit/transformer		Ambient temperature range	-20 °C to 45 °C
Control interface		<b>Initial Performance (IEC Compliant)</b>	
Constant light output		Luminous flux tolerance	+/-10%
Maximum dim level		Initial chromaticity	0.38;0.38
Embedded control		Power consumption tolerance	+/-10%
Photocell		<b>Over Time Performance (IEC Compliant)</b>	
<b>Mechanical and Housing</b>		Control gear failure rate at median useful life 35000 h	2.74 %
Housing Material		Control gear failure rate at median useful life 50000 h	4 %
Reflector material		Control gear failure rate at median useful life 75000 h	5.7 %
Optic material		Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 35000 h	L85
Optical cover material		Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80
Fixation material		Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h	-
Housing Color		Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	-
Optical cover finish		<b>Product Data</b>	
Reflector Finish		Order product name	BY021P G3 LED200S/840 PSU WB GR
Overall height		Full product name	BY021P G3 LED200S/840 PSU WB GR
Overall diameter		Full product code	872016976136000
Optical finish		Order code	911401565144
Ingress protection code		Material Nr. (12NC)	911401565144
Mech. impact protection code		Numerator - Quantity Per Pack	1
Explosion hazard class		EAN/UPC - Product/Case	8720169761360
Mounting		Numerator - Packs per outer box	1
Net Weight (Piece)		EAN/UPC - Case	8720169761360
<b>Emergency Operation</b>			
Central Emergency			
<b>Approval and Application</b>			
Glow-wire test			
Flammability mark			
CE mark			
ENEC mark			
Photobiological risk			

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### Dimensional drawing

