PHILIPS Lighting



GreenPerform Highbay G3

BY698X LED300/NW NB ACW 4 L3000 EN

GreenPerform Highbay G3, 225 W, 29000 lm, 4000 K, DALI, 60°

Following the successful introduction of the GreenPerform Highbay G2 in 2013, while continue providing the superior light quality, long service lifetime, reduced energy consumption and less maintenance in the switch on-off (PSU) and Dali dimmable (PSD) versions, the new generation Highbay seamlessly integrates state-of-the-art LED lighting with an easy-to-use and reliable wireless ZIGBEE control solution (ACW) and simple movement detection solution (PIR). In the ACW version products, when the situation on the work floor changes, settings such as dimming levels and timing can be changed wirelessly by the end-users themselves. Luminaires can be combined in groups across the layout, and re-zoning them does not require a hardware change, thus minimizing commissioning costs. The system delivers savings over and above the actual efficiency of the LEDs and is future-proof. In the PIR version products, when there has no movement detected after 15 minutes, the lighting will dimming down to 25% of the lumen output, which helps to maximum your energy saving in a simple way. Easy to understand, easy to design-in, and easy to use, GreenPerform Highbay G3 is a smart way to light up your business.

Product data

General Information		Warranty period	3 years
Light source replaceable	No	Flammability mark	For mounting on normally flammable
Number of gear units	2 units		surfaces
Driver included	Yes	Glow-wire test	Temperature 650 °C, duration 5 s
Light source engine type	LED		
Service tag	Yes	Light Technical	
CE mark	CE mark	Luminous Flux	29,000 lm

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Number of products on MCB of 16 A type B 12

Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	129 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	Narrow beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	60°
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	9.6 A
Inrush time	2.3 ms
Power Consumption	225 W
Power Factor (Fraction)	0.95

Flying leads/wires

-30 to +45 °C

Aluminum die cast

Polycarbonate

Polycarbonate

Dark gray

Clear

Yes

DALI

No

Cable 3.0 m without plug

Power supply unit with DALI interface

120 mm
530 mm
IP54 [Dust accumulation-protected, splash-
proof]
IK07 [2 J reinforced]
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 hour(s)	
Median useful life L80B50	40,000 hour(s)	
Median useful life L90B50	30,000 hour(s)	

Application Conditions

Maximum dim level	5%
Suitable for random switching	Yes

Product Data

Order product name	BY698X LED300/NW NB ACW 4 L3000 EN
Full product name	BY698X LED300/NW NB ACW 4 L3000 EN
Full product code	911401826197
Order code	911401826197
Material Nr. (12NC)	911401826197
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing

Connection

Temperature

Dimmable

Control interface

Housing Material

Optical cover material

Optical cover finish

Optic material

Housing Color

Constant light output

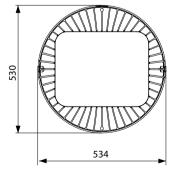
Ambient temperature range

Controls and Dimming

Driver/power unit/transformer

Mechanical and Housing

Cable





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