PHILIPS

Lighting



GreenPerform Highbay Elite

BY718P LED200/NW PSD NB

GreenPerform Highbay Elite, 145 W, 21500 lm, 4000 K, DALI, 54°

GreenPerform Highbay Elite is the latest innovation in a successful range of highbay luminaires for high ceiling and industrial applications. The unique finless design has received the iF Design Award 2019 and Reddot Design Award 2019 for its aesthetic appeal. But this versatile luminaire offers a wealth of practical features too, including great light quality, high energy savings, a long lifetime at an affordable price and a wide variety of optics and lumen packages. The Green Perform Highbay Elite luminaire provides options for advanced connectivity with IoT based systems and software applications including the Interact Pro system. If you're looking for a "fit and forget" robust and reliable solution with connectivity advantages, Green Perform Highbay Elite is the smart choice.

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 surfaces
ENEC mark	-
Glow-wire test	Temperature 650 °C, duration 30 s

EU RoHS compliant	Yes

Light Technical	
Luminous Flux	21,500 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	147 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	Symmetrical
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	54°

GreenPerform Highbay Elite

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	145 W
Power Factor (Fraction)	0.95
Cable	Cable 0.3 m without plug
Number of products on MCB of 16 A type B	8

Temperature	
Ambient temperature range	-30 to +50 °C

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing	
Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Housing Color	Black and gray
Optical cover finish	Frosted
Overall height	445 mm
Overall diameter	450 mm

Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Protection class IEC	Safety class I

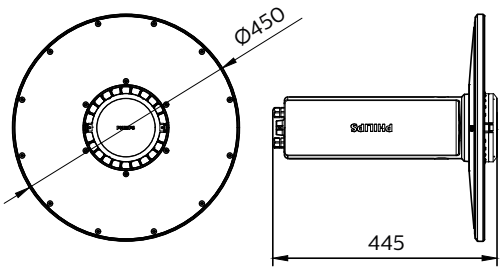
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	0.0021 %
Median useful life L70B50	75,000 hour(s)

Application Conditions	
Maximum dim level	1%
Suitable for random switching	No

Product Data	
Order product name	BY718P LED200/NW PSD NB
Full product name	BY718P LED200/NW PSD NB
Full product code	911401572451
Order code	911401572451
Material Nr. (12NC)	911401572451
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing





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