PHILIPS

BY225P LED100S CW NB PSU FG GR V1

919515812901



Superior Light quality comes at lower energy and maintenance cost

With the successful introduction of the Durabay Family, Philips achieved a breakthrough in high-bay lighting, 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. Now, with Durabay Prime, Philips continues to improve even further: an improved total cost of ownership, seamlessly integrates state-of-the-art LED lighting with higher efficacy and excellent thermal stability. Durabay Prime delivers a uniform light distribution with a Wide beam and Narrow beam optics that provides outstanding illuminances in industrial and retail environments. It is designed to replace HPI BU 250W/400W, offering up to 70% of energy savings, whilst delivering long lifetime, in often hard to reach maintenance areas.

Warnings and Safety

- Meant for use in Indoor Industrial environment only

General Information

Driver included	Yes
Light source engine type	LED
Warranty period	2 years

Light Technical

Luminous Flux	10,500 lm
Correlated Color Temperature (Nom)	6500 K

Luminous Efficacy (rated) (Nom)	131.25 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	60 degree(s)
Light source color	865 cool daylight
Optic type	Beam angle 60°
Luminaire light beam spread	60°

Operating and Electrical

Input Voltage	140-270 V
Line Frequency	50 Hz
Power Consumption	80 W
Power Factor (Fraction)	0.95
Protection class IEC	Safety class I
Surge Protection (Common/ Differential)	Surge protection level until 4 kV

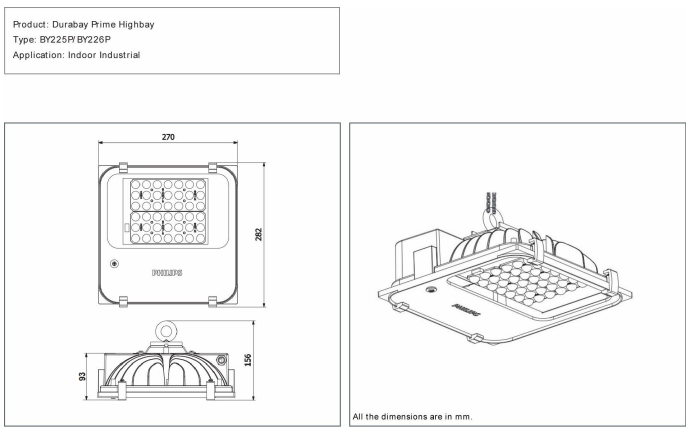
Controls and Dimming

Dimmable	No
Control interface	-

Mechanical and Housing

Housing Material	Aluminum die cast
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Housing Color	Gray
Mounting device	Eye-Bolt
Material	Aluminum

Dimensional drawing



Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Optical cover type	Tempered glass
Net Weight (Piece)	3.600 kg

Approval and Application

Flammability mark	For mounting on normally flammable surfaces
Ambient temperature range	0 to +45 °C

Initial Performance (IEC Compliant)

Initial chromaticity	<5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Median useful life L70B50	50,000 hour(s)

Product Data

Order product name	BY225P LED100S CW NB PSU FG GR V1
Full product name	BY225P LED100S CW NB PSU FG GR V1
Order code	919515812901
Material Nr. (12NC)	919515812901
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	Durabay Prime_Highbay-BY225P_226P-INI.PDF	Download

Photometry and lighting design	Document Name	Download
IES File	Durabay Prime_BY225P LED100S CW NB PSU FG GR V1.IES	Download

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