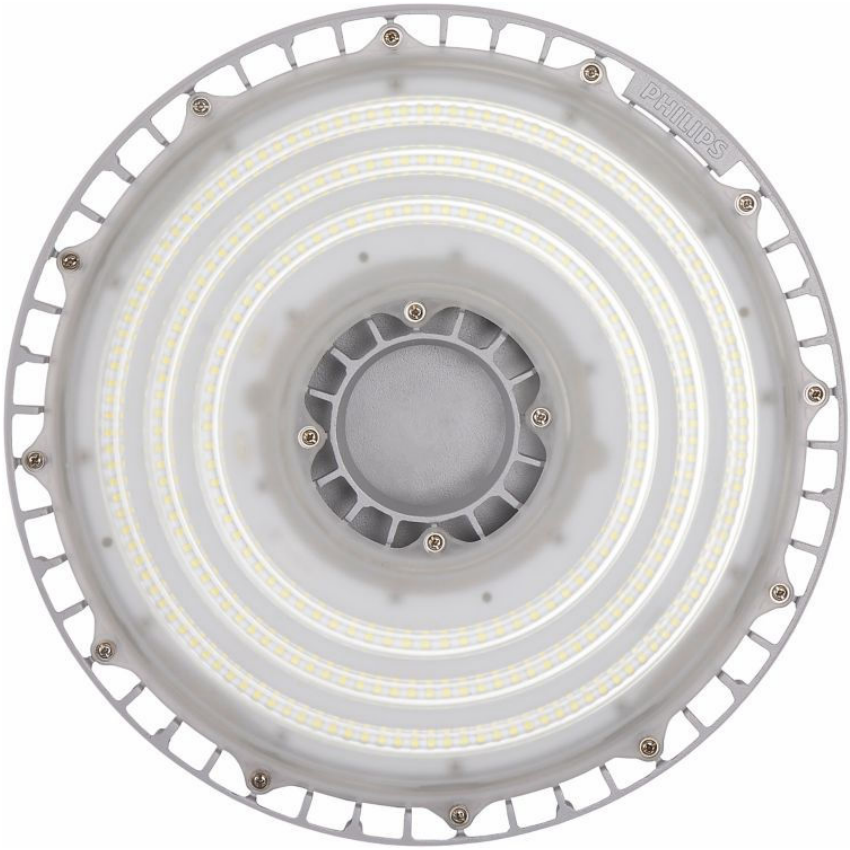
PHILIPS

Greenperform Prime Gen2

9326304



Paving the path to performance Excellence

In an age where sustainability, high performance/productivity standards and building unique identities are the top priorities for businesses, GreenPerform Prime gen2 provides an unmatched highbay solution for a wide range of applications like warehousing, manufacturing, other industrial applications, atriums, airport concourse, sports halls, etc. GreenPerform Prime Gen2 not only guarantees assured performance but also fits stylishly into diverse design plans. Apart from the unique look and feel, it offers best in class system efficacy, superior light quality, multiple beam angles, and glare control to provide the users with nothing less than the best in the industry

Benefits

- Best in class efficacy of 160 lum/w and Quality lighting leads to lowering total cost of opportunity.
- High quality material and design leads to longer life class for luminaire
- Suitable for use in harsh Industrial environment
- Option of multiple optics and lumen packages providing application flexibility.

Applications

- Manufacturing
- Warehouses

- Airports
- Small Manufacturing facilities

Features

- Ingress Protection -IP65
- Impact Resistance IK08
- Inbuilt encapsulated Potted Driver
- Designed for operations under diverse environment from -10˚C to 50˚C
- Life class is 50000 hours (L70B50 @ Ta45˚C)
- Unique round shape design for excellent thermal stability
- Pressure die-cast housing offers excellent corrosion-resistance and robustness.
- System efficiency 160 lm/W
- Three Beam Angles Extra Narrow beam (ENB30^0) Narrow beam (NB60^0), and Wide Beam (WB90^0)
- Internal Surge Protection 6KV
- Current Ripple <10%
- THD<10%
- Meant for use in Indoor Industrial environment only.

Versions



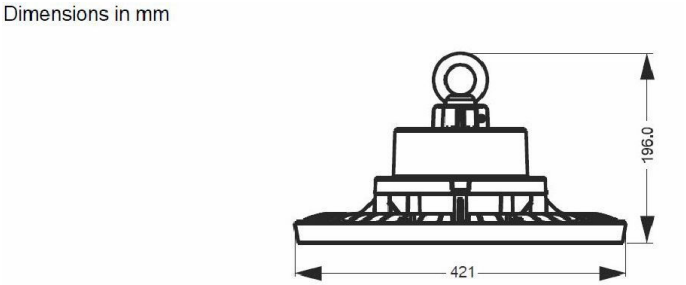
Greenperform Prime Gen2 BY61X



Greenperform Gen2 L1 W

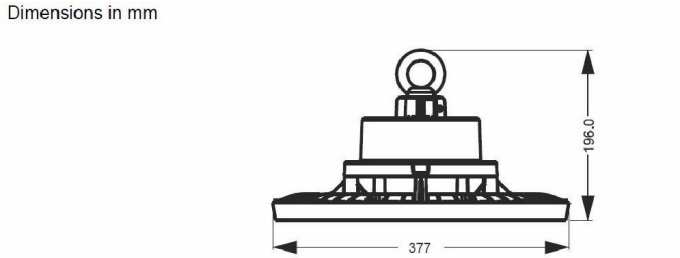
Dimensional drawing

Dimensions in mm



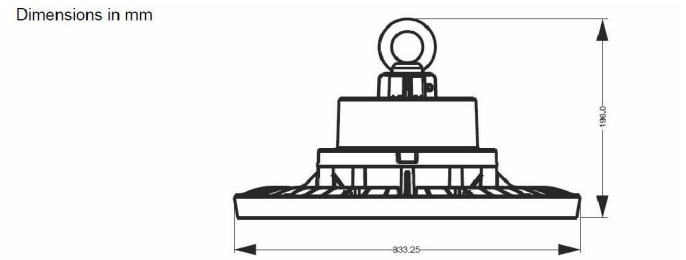
Greenperform Prime Gen2 BY617

Dimensions in mm



Greenperform Prime Gen2 BY616

Dimensions in mm



Greenperform Prime Gen2 BY615

General Information

Driver included	Yes

Light Technical

Correlated Color Temperature (Nom)	5700 K
Optic type	-

Operating and Electrical

Input Voltage	120 to 277 V
Line Frequency	50 Hz
Protection class IEC	Safety class I

Mechanical and Housing

Housing Color	Aluminum and gray
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Optical cover type	Micro-lens optic in polycarbonate cover

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

Light Technical

Order Code	Full Product Name	Luminous Flux	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)	Beam angle of light source
919515815449	BY615P LED100S 5700 NB PSU GR	10,000 lm	160 lm/W	≥70	60 degree(s)
919515815450	BY615P LED100S 5700 WB PSU GR	10,000 lm	160 lm/W	≥70	90 degree(s)
919515815451	BY615P LED150S 5700 NB PSU GR	15,000 lm	160 lm/W	≥70	60 degree(s)
919515815452	BY615P LED150S 5700 WB PSU GR	15,000 lm	160 lm/W	≥70	90 degree(s)
919515815453	BY616P LED200S 5700 NB PSU GR	20,000 lm	160 lm/W	≥70	60 degree(s)
919515815455	BY616P LED250S 5700 NB PSU GR	25,000 lm	160 lm/W	≥70	60 degree(s)
919515815457	BY617P LED300S 5700 NB PSU GR	30,000 lm	160 lm/W	≥70	60 degree(s)
919515815502	BY617P LED250S 5700 ENB PSU GR	25,000 lm	160 lm/W	≥70	30 degree(s)
919515815503	BY617P LED300S 5700 ENB PSU GR	30,000 lm	160 lm/W	≥70	30 degree(s)
919515815522	BY615P LED100S 5700 NB PSU GR L1 W	10,000 lm	160 lm/W	>70	60 degree(s)
919515815523	BY615P LED150S 5700 NB PSU GR L1 W	15,000 lm	160 lm/W	>70	60 degree(s)
919515815631	BY615P LED100S 5700 WB PSU GR L1 W	9,800 lm	158 lm/W	>70	90 degree(s)
919515815632	BY615P LED150S 5700 WB PSU GR L1 W	14,900 lm	158 lm/W	>70	90 degree(s)

Operating and Electrical

Order Code	Full Product Name	Power Consumption
919515815449	BY615P LED100S 5700 NB PSU GR	64 W
919515815450	BY615P LED100S 5700 WB PSU GR	64 W
919515815451	BY615P LED150S 5700 NB PSU GR	95 W
919515815452	BY615P LED150S 5700 WB PSU GR	95 W
919515815453	BY616P LED200S 5700 NB PSU GR	125 W
919515815455	BY616P LED250S 5700 NB PSU GR	157 W
919515815457	BY617P LED300S 5700 NB PSU GR	190 W
919515815502	BY617P LED250S 5700 ENB PSU GR	157 W
919515815503	BY617P LED300S 5700 ENB PSU GR	190 W
919515815522	BY615P LED100S 5700 NB PSU GR L1 W	62 W
919515815523	BY615P LED150S 5700 NB PSU GR L1 W	94 W
919515815631	BY615P LED100S 5700 WB PSU GR L1 W	62 W
919515815632	BY615P LED150S 5700 WB PSU GR L1 W	94 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
919515815449	BY615P LED100S 5700 NB PSU GR	No
919515815450	BY615P LED100S 5700 WB PSU GR	No
919515815451	BY615P LED150S 5700 NB PSU GR	No
919515815452	BY615P LED150S 5700 WB PSU GR	No
919515815453	BY616P LED200S 5700 NB PSU GR	No
919515815455	BY616P LED250S 5700 NB PSU GR	No
919515815457	BY617P LED300S 5700 NB PSU GR	No
919515815502	BY617P LED250S 5700 ENB PSU GR	No
919515815503	BY617P LED300S 5700 ENB PSU GR	No
919515815522	BY615P LED100S 5700 NB PSU GR L1 W	Yes
919515815523	BY615P LED150S 5700 NB PSU GR L1 W	Yes
919515815631	BY615P LED100S 5700 WB PSU GR L1 W	Yes
919515815632	BY615P LED150S 5700 WB PSU GR L1 W	Yes

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