PHILIPS

Lighting

Efficiency at its Finest, Maximize Savings

GreenPerform EliteX

In today's world, lighting a bright path forward means considering the environment too. Reducing a company's carbon footprint isn't just a feel-good initiative, it's a smart business move. Sustainable lighting solutions not only conserve energy and lower operating costs, but also showcase your commitment to a greener future. Let's illuminate how our innovative high-bay luminaires can help you achieve both brilliance and environmental responsibility. The GreenPerform EliteX is the Best-in-Class Highbay solution designed to deliver the excellent energy efficiency and superior optics suited to provide an unmatched highbay solution for a wide range of applications like warehousing, manufacturing, other industrial applications, atriums, airport concourse, sports halls, etc . Offering excellent beam and Glare control , this highbay offers an unmatched lighting experience. Driven by performance delivered through Superior Optics , higher Efficiency and long useful life optimizing overall cost of the project .

Benefits

- Best in class efficacy of 180 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.

Features

- Ingress Protection -IP65
- Impact Resistance IK08
- Inbuilt encapsulated Potted Driver
- Designed for operations under diverse environment from -10˚C to 45˚C
- Life class is 100,000 hours (L70B50 @ Ta45˚C)
- Unique round shape design for excellent thermal stability
- Pressure die-cast housing offers excellent corrosion-resistance and robustness.
- System efficiency 180 lm/W
- Three Beam Angles Extra Narrow beam (ENB30°) Narrow beam (NB60°), and Wide Beam (WB90°)
- Internal Surge Protection 6KV
- Current Ripple <10%
- THD<10%

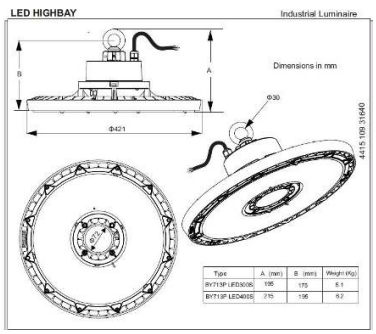
Application

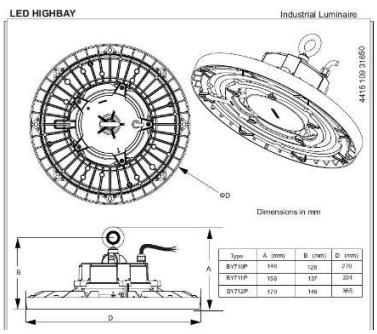
- Manufacturing
- Warehouses
- Airports
- Small manufacturing facilities

Versions

BY712

Dimensional drawing





GreenPerform EliteX

General Information	
Driver included	Yes
Light Technical	
Correlated Color Temperature (Nom)	5700 K
Color rendering index (CRI)	≥70
Luminous Efficacy (rated) (Nom)	180 lm/W
Optic type	-
Operating and Electrical	
Protection class IEC	Safety class I
Input Voltage	140-270 V
Mechanical and Housing	
Optical cover type	Micro-lens optic in polycarbonate cover
Housing Color	Aluminum and gray
Mech. impact protection code	IK08
Ingress protection code	IP65
Approval and Application	
Ambient temperature range	0 to +45 °C
Flammability mark	For mounting on normally flammable surfaces

Light Technical

Order Code	Full Product Name	Beam angle of light source	Luminous Flux
919515816953	BY713P LED300S 5700 ENB H PSU	30 degree(s)	30,000 lm
919515816954	BY713P LED400S 5700 ENB H PSU	30 degree(s)	30,000 lm
919515815630	BY710P LED100S 5700 WB H PSU	90 degree(s)	10,000 lm
919515816960	BY710P LED100S 5700 NB H PSU	60 degree(s)	10,000 lm
919515815633	BY711P LED150S 5700 WB H PSU	90 degree(s)	15,000 lm
919515816966	BY711P LED150S 5700 NB H PSU	60 degree(s)	15,000 lm
919515816444	BY712P LED200S 5700 WB H PSU	90 degree(s)	20,000 lm
919515816955	BY712P LED250S 5700 WB H PSU	90 degree(s)	25,000 lm
919515816962	BY712P LED200S 5700 NB H PSU	60 degree(s)	20,000 lm
919515816965	BY712P LED250S 5700 NB H PSU	60 degree(s)	25,000 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
919515816953	BY713P LED300S 5700 ENB H PSU	175 W
919515816954	BY713P LED400S 5700 ENB H PSU	230 W
919515815630	BY710P LED100S 5700 WB H PSU	60 W
919515816960	BY710P LED100S 5700 NB H PSU	60 W
919515815633	BY711P LED150S 5700 WB H PSU	85 W

Order Code	Full Product Name	Power Consumption
919515816966	BY711P LED150S 5700 NB H PSU	85 W
919515816444	BY712P LED200S 5700 WB H PSU	115 W
919515816955	BY712P LED250S 5700 WB H PSU	140 W
919515816962	BY712P LED200S 5700 NB H PSU	115 W
919515816965	BY712P LED250S 5700 NB H PSU	140 W