



BLAZE™ GST

High Temperature Lighting

Capable of operating in ambient temperatures up to 194°F (90°C), the GST series LED luminaire delivers outstanding efficiency with 160 lm/W and minimal maintenance costs, making it ideal for demanding hot industrial environments. Offering a lumen output range from 16,000 to 72,000, it serves as an excellent replacement for 250W to 1000W HID fixtures.

Compliance

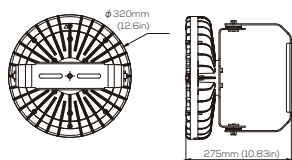
CE
UL 1598 Wet Location
UL 8750 LED Safety
IP66/67
IK09

Features

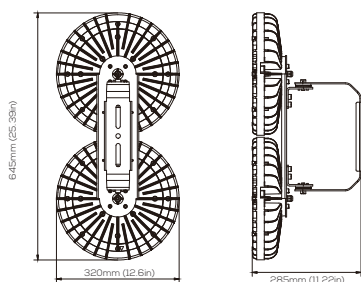
- Operation temperature up to 90°C
- Wattage range from 100W (16,000lm) to 450W (72,000lm)
- Luminous efficiency up to 160lm/W
- 120V / 220V / 277V / 347V / 480V AC
- Limited system warranty
 - 20,000hrs @90°C (2 years)
 - 30,000hrs @80°C (3 years)
 - 50,000hrs @70°C (5 years)

Dimensions

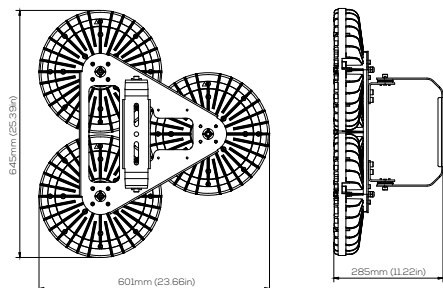
unit: mm(in)



1 module
(100W / 150W)



2 modules
(200W / 300W)



3 modules
(450W)

Technical Data

Electrical

Rated Power	100 / 150 / 200 / 300 / 450W
Input Voltage	120V / 220V / 277V / 347V / 480V
Input Frequency	50/60Hz
Power Factor	> 0.90
Driver Efficiency	≥ 90%
DC output Ripple & Noise	< 200mVP-P

Optical

Lumen Output	16,000lm ~ 72,000lm
Luminous Efficacy (Lumens per Watt)	160 lm/W
Beam Angle	110°
Correlated Color Temperature	2700K 3000K 4000K 5000K
CRI	Ra>70

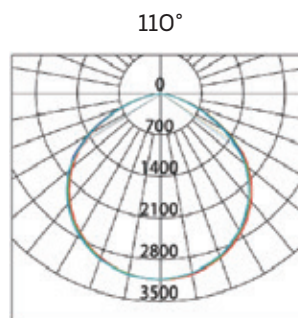
Environmental

Ambient Operating Temperature	-40°C~+90°C
Ambient Operating Humidity	10%~90% RH

Technical

Lens Material	Clear glass
Mounting Options	Hanging / U-Bracket
Net Weight	5.5kg (12.1 lbs) 10.5kg (23.2 lbs) 15.5kg (34.2 lbs)

Beam Distribution



Ordering Information and Mounting Accessories

GST	16	U1	110	NW	TG	TB7	BL	XX
Model	Lumens	Voltage	Optics	Color Temp	Lens	Mount Style	Color	Accessories
GST	16 - 16,000 lm (100W) 24 - 24,000 lm (150W) 32 - 32,000 lm (200W) 48 - 48,000 lm (300W) 72 - 72,000 lm (450W)	U1 - 120V U2 - 220V U3 - 277V U4 - 347V U5 - 480V	110 - 110°	WW - 2700K (Warm white) SW - 3000K (Soft white) NW - 4000K (Neutral white) CW - 5000K (Cool white)	TG - Clear glass	TB7 - U-Bracket HB - Hanging Bracket ¹	BL - Black	SC - Safety cable TJB - Twin-mount Junction Box HR - Hanging ring HE - Malleable Hook

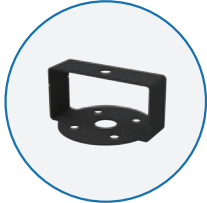
¹ Only available for 1 module (GST-16, GST-24)

Mounting Options



TB7
U-Bracket





HB
Hanging bracket
(1 module only)



Accessories



HR
Hanging Ring



HE
Hanging Hook



SC1
Stainless steel
safety cable



TJB
Twin-mount
Junction Box