

# ZENITH Series

## High Temperature Lighting

Withstand up to 194°F (90°C) ambient temperature, the GSH series LED luminaire offers exceptional efficacy of 160lm/W and low maintenance cost to meet the demand of hot industrial environments. From 16,000 to 72,000 lumen output, it ideally replaces 250W-1000W HID fixtures.

### Compliance

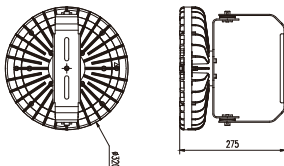
CE  
UL 1598 Wet Location  
UL 8750 LED Safety  
IP67  
IK09

### Features

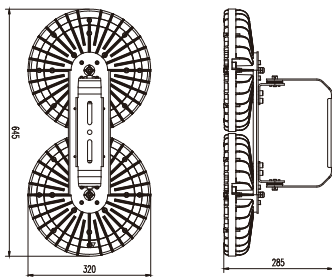
- Operation temperature up to 90°C
- Wattage range from 100W (16,000lm) to 450W (72,000lm)
- Luminous efficiency up to 160lm/W
- 120V / 220V / 277V AC
- 20,000hrs @90°C ( 2 years )  
30,000hrs @80°C ( 3 years )  
limited system warranty

### Dimensions

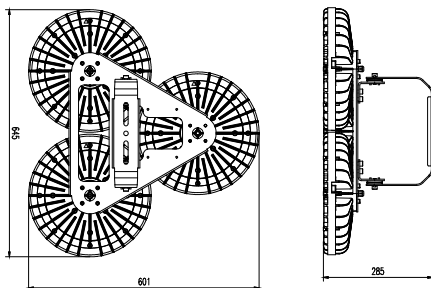
Dimensions in millimeters(mm)



1 module



2 modules



3 modules

### Technical Data

#### Electric

|                          |                              |
|--------------------------|------------------------------|
| Rated Power              | 100 / 150 / 200 / 300 / 450W |
| Input Voltage            | 120V / 220V / 277V AC        |
| 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) | 160lm/W                 |
| Beam Angle                          | Type V                  |
| Correlated Color Temperature (CCT)  | 2700K 3000K 4000K 5000K |
| CRI                                 | Ra>70                   |

#### Environmental

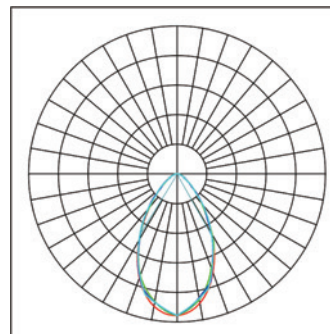
|                               |             |
|-------------------------------|-------------|
| Ambient Operating Temperature | -40°C~+90°C |
| Ambient Operating Humidity    | 10%~90% RH  |

#### Technical

|                  |         |
|------------------|---------|
| Lens Material    | Glass   |
| Mounting Options | Hanging |
| Net Weight       | 5kg     |

### Beam Distribution

Tipo V



## Ordering Information and Mounting Accessories

| ZENITH                 | 16                       | U1             | T5            | NW                            | TG                         | HR                     | BL           | XX                               |
|------------------------|--------------------------|----------------|---------------|-------------------------------|----------------------------|------------------------|--------------|----------------------------------|
| <b>Model</b><br>ZENITH | <b>Lumens</b>            | <b>Voltage</b> | <b>Optics</b> | <b>Color Temp</b>             | <b>Lens</b>                | <b>Mount Style</b>     | <b>Color</b> | <b>Accessories</b>               |
|                        | 16 – 16,000 lm<br>(100w) | U1 – 120V      | T5 – Tipo V   | WW – 2700K<br>(Warm white)    | TG – Transparente<br>glass | HR – Hanging ring      | BL – Black   | HR – Hanging ring                |
|                        | 24 – 24,000 lm<br>(150W) | U2 – 220V      |               | SW – 3000K<br>(Soft white)    |                            | HE – Malleable Hook    |              | HE – Hanging Malleable<br>hook   |
|                        | 32 – 32,000 lm<br>(200w) | U3 – 277V      |               | NW – 4000K<br>(Neutral white) |                            | TB4 – Trunnion Bracket |              | SC – Safety cable                |
|                        | 48 – 48,000 lm<br>(300W) |                |               | CW – 5000K<br>(Cool white)    |                            |                        |              | TJB – Twin-mount<br>Junction Box |
|                        | 72 – 72,000 lm<br>(450w) |                |               |                               |                            |                        |              |                                  |

## Mounting Options



## Accessories

