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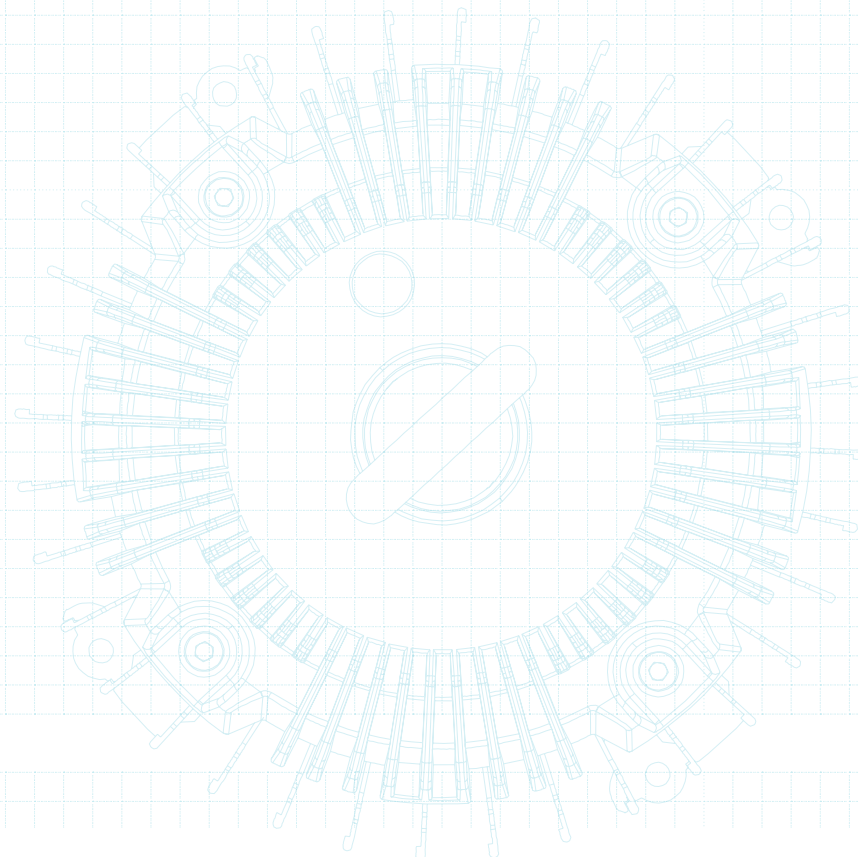
# Helios Series

100W  
SPECIFICATIONS

# 01 FEATURES + BENEFITS

# PRODUCT SPECIFICATIONS 02

- Cold forged heatsink core with patented Forging Fit Technology capable of passively cooling up to 100W
- Adjustable angle bracket with a 270° allowable swivel, adaptable to various masts and poles
- Compliant with Mean Well 100W PSU
- Equipped with a 90° beam angle lens with a sealed waterproof design
- Record high total light flux and efficiency of a single light source: Flip Chip Opto Luna 100W COB
- Durable surface finish to protect against corrosion and harsh weather conditions



H

**PRODUCT FAMILY**  
H : Helios

HH0100L - 703280 - TBD1

H

**FIXTURE TYPE**  
H : Highbay Eyebolt

0 1 0 0

**FIXTURE WATTAGE**  
0100 : 100W

L

**COB TYPE**  
L : Luna

7 0

**OPTICS ANGLE**  
70 : 70° Lens  
90 : 90° Lens  
A2 : 120° Lens

3 2

**CCT**  
32 : 3200K  
40 : 4000K  
50 : 5000K

8 0

**CRI**  
80 : 80 (Standard)  
90 : 90 (Upon Request)  
95 : 95 (Upon Request)

T

**SAFETY**  
T : ETL  
N : Non

B

**PSU**  
B : HBG

D

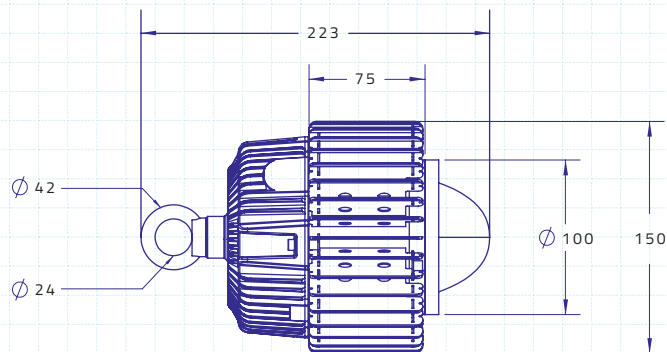
**DIMMING**  
D : Dimming  
N : Non-Dimming

1

**HEATSINK**  
1 : 100W  
2 : 185W

03

PRODUCT  
PARAMETERS



MECHANICAL SPECIFICATIONS

|                 |                                  |
|-----------------|----------------------------------|
| Dimensions (mm) | 150 x 150 x 223                  |
| Weight          | 5.3 lbs. (2.4 kg)                |
| Material        |                                  |
| Heatsink Core   | Al 1070                          |
| Fins            | Al 1050                          |
| Reflector       | Al 1090                          |
| Lens            | Tempered Glass                   |
| Surface Finish  |                                  |
| Part            | Heatsink                         |
| Process         | Electrophoretic Deposition (EPD) |
| Color Options   | Black                            |

ELECTRICAL SPECIFICATIONS

|                       |                               |
|-----------------------|-------------------------------|
| Input Voltage Range   | 90 - 305 VAC                  |
| Drive Current         | 2.7 A                         |
| Output Voltage        | 36 VDC                        |
| Power Factor          | 0.98 @ 115 VAC                |
| Operating Temperature | -20°C to 40°C (-4°F to 104°F) |

OPTICAL SPECIFICATIONS

|                |                                         |
|----------------|-----------------------------------------|
| Light Source   | Flip Chip Opto "Luna 100W" COB          |
| Luminous Flux  | 11056 lm @ 96.7W, Cool White            |
| Light Efficacy | 114.4 lm/W                              |
| CRI            | 70 - 95+                                |
| CCT            | 3,000K / 4,000K / 5,000K                |
| Light Color    | Warm White / Neutral White / Cool White |

RATING SPECIFICATIONS

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| Protection Rating | IP 65 (IP67 for optional PSU model)                                                   |
| Lifespan          | 50,000 Hours                                                                          |
| Warranty          | 3 Years Minimum                                                                       |
| Certifications    |  |

\*Application for safety certifications are pending

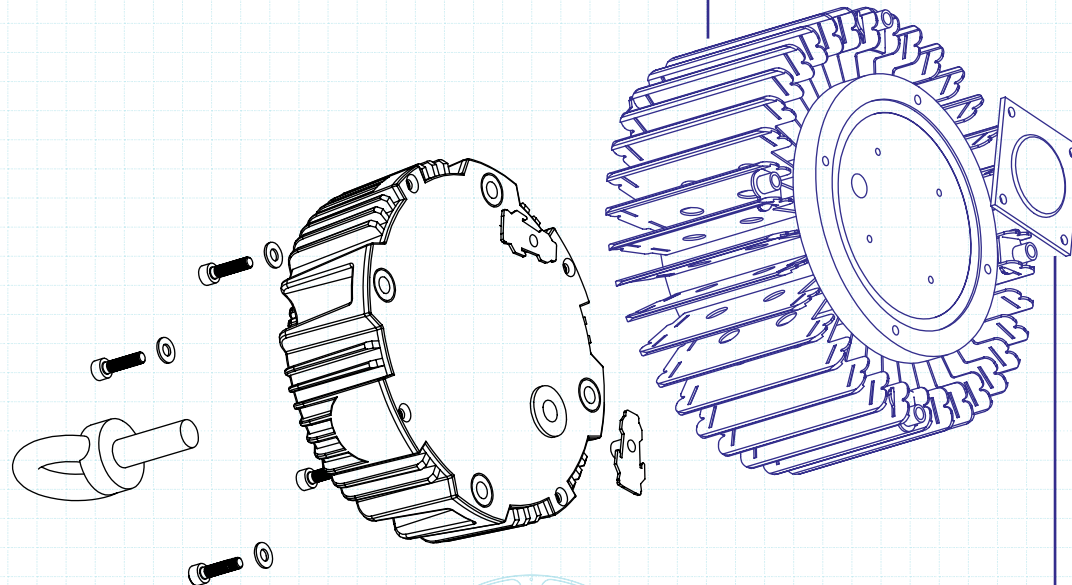
# 04

## FIXTURE + BREAKDOWN

MODEL\_HH0100L - 90

### HEATSINK FORGING FIT DESIGN

Comprised of a pure aluminum column, the unibody cold forged heatsink utilizes patented forging fit technology for fin insertion and allowing maximum thermal heat dissipation.



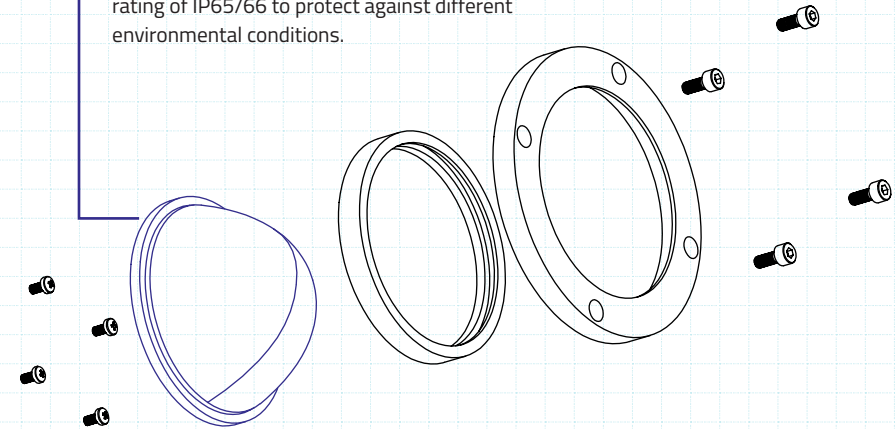
### LUNA 100W COB

The single light source COB from Flip Chip Opto uses their proprietary low temperature bonding technology achieving a low thermal resistance of 0.18 C°/W.

For detailed specs:  
<http://www.fcopto.com/luna-series/>

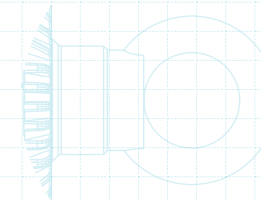
### OPTICAL LENS + SEALED DESIGN

The lens assembly contains a domed glass lens with a high transparency rate for minimal obstruction of the lumen output. The sealing gasket achieves the protection rating of IP65/66 to protect against different environmental conditions.



### SURFACE FINISH

Consisting of an Electrophoretic Deposition (EPD) finish, the film coating provides uniform thickness and strong adhesion to protect against corrosion and mechanical stress.



### OPTIONAL COMPONENTS



70° Lens and  
120° Lens



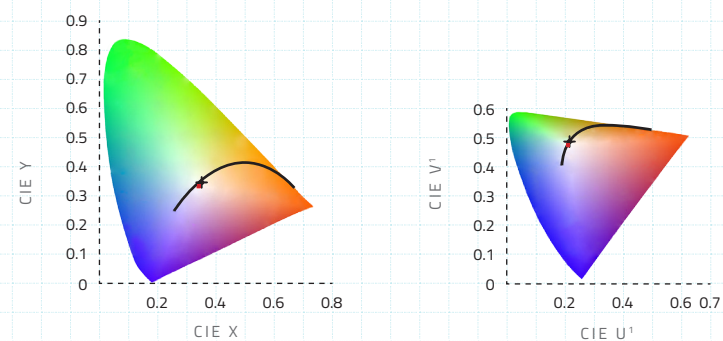
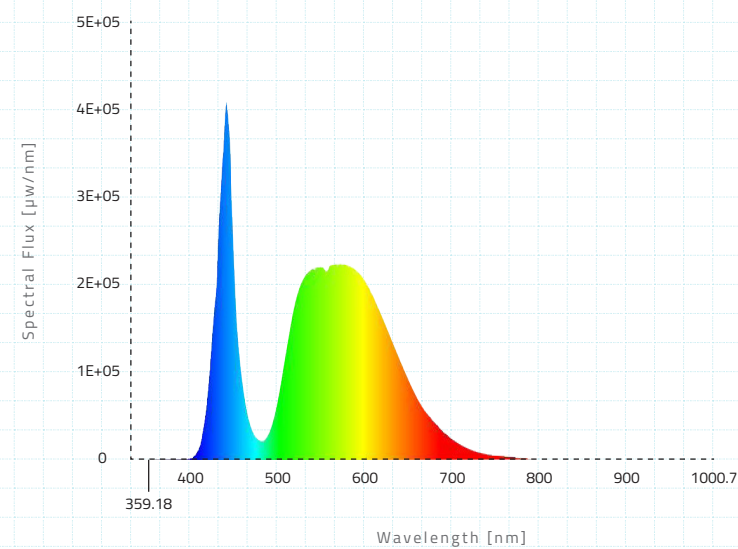
Alternative Hook Mount  
Highbay Bracket Assembly

\*For additional information regarding optical components, contact URSA sales



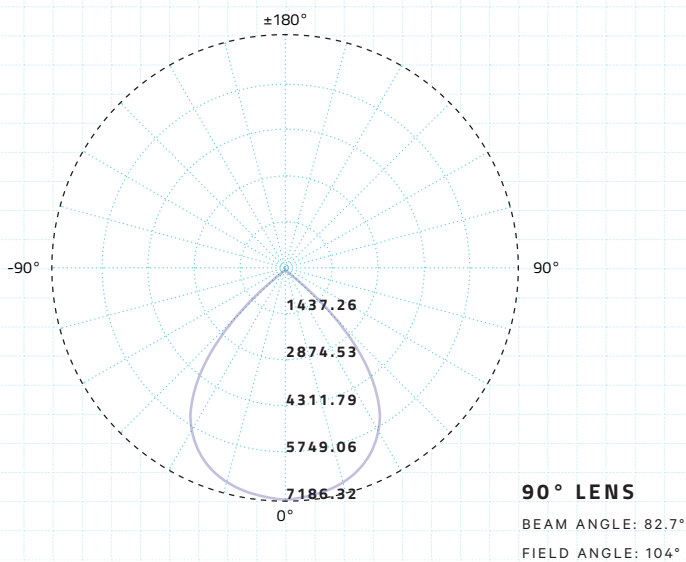
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PHOTOMETRIC  
PERFORMANCE



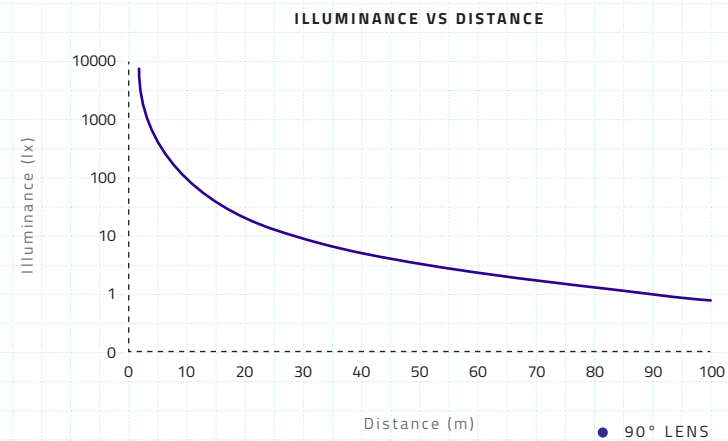
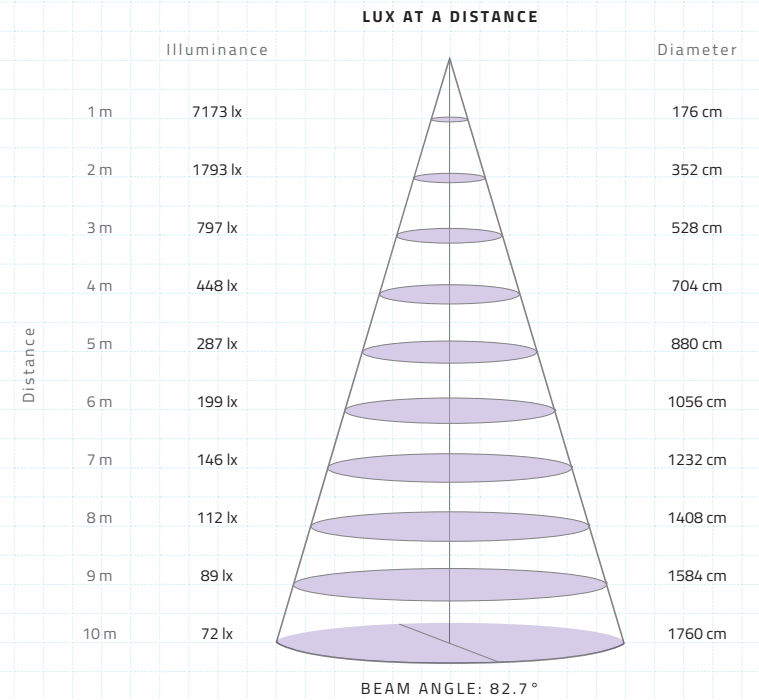
POLAR LUMINOUS  
INTENSITY DISTRIBUTION

06



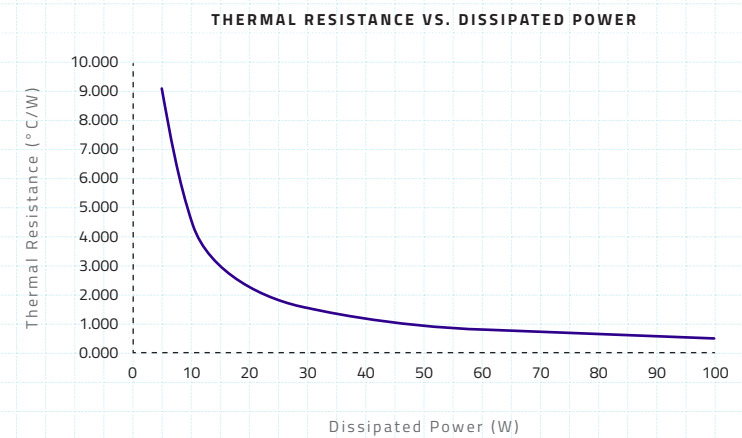
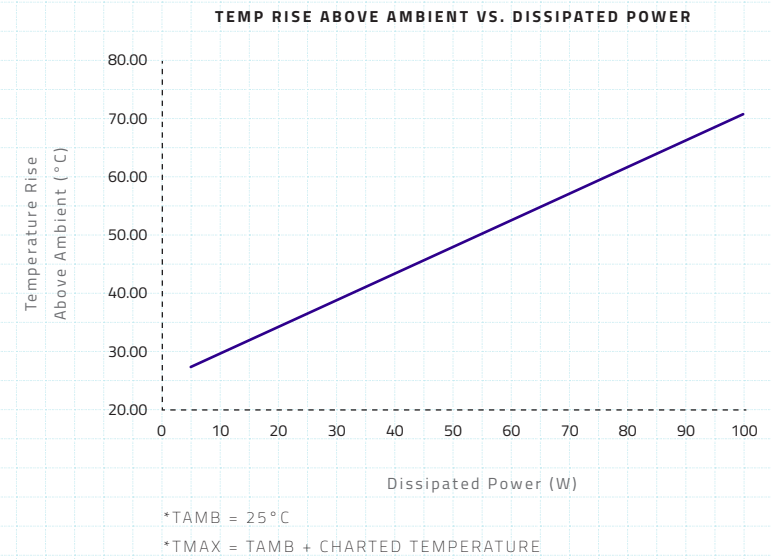
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ILLUMINANCE  
CONE DIAGRAM



THERMAL  
PERFORMANCE

08



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