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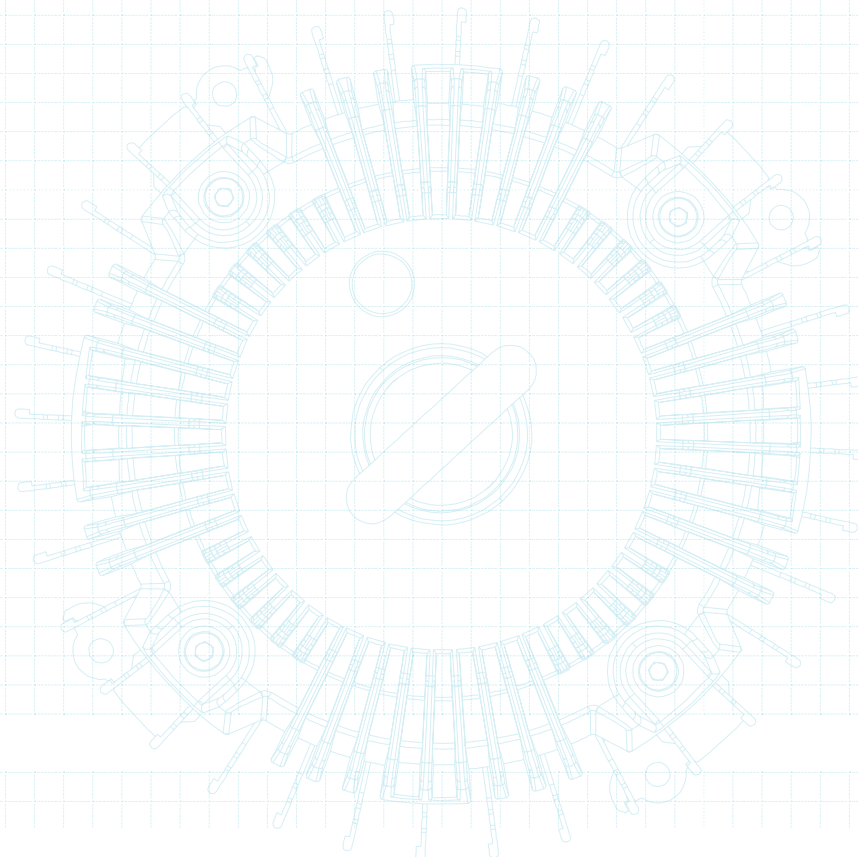
Helios Series

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

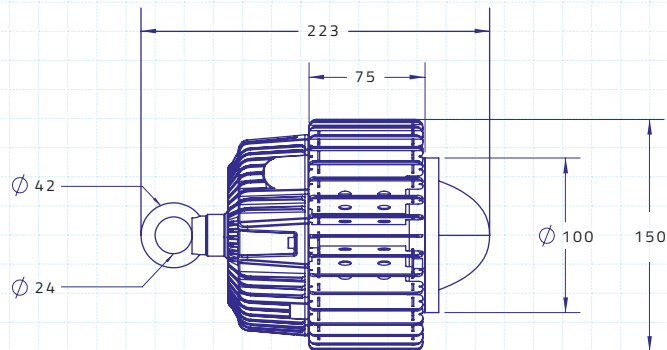
DIMMING
D : Dimming
N : Non-Dimming

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

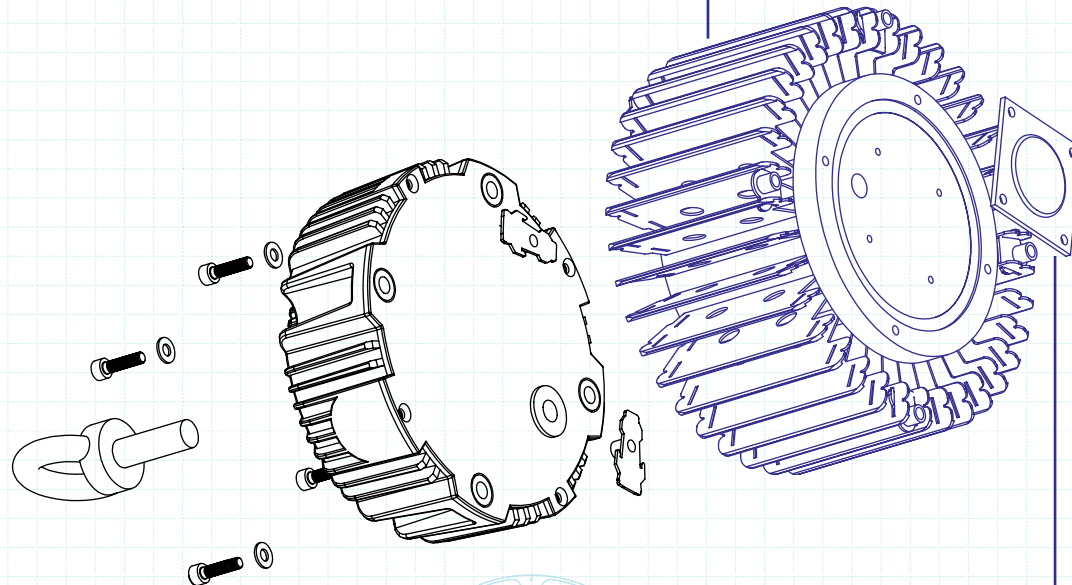
04

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.



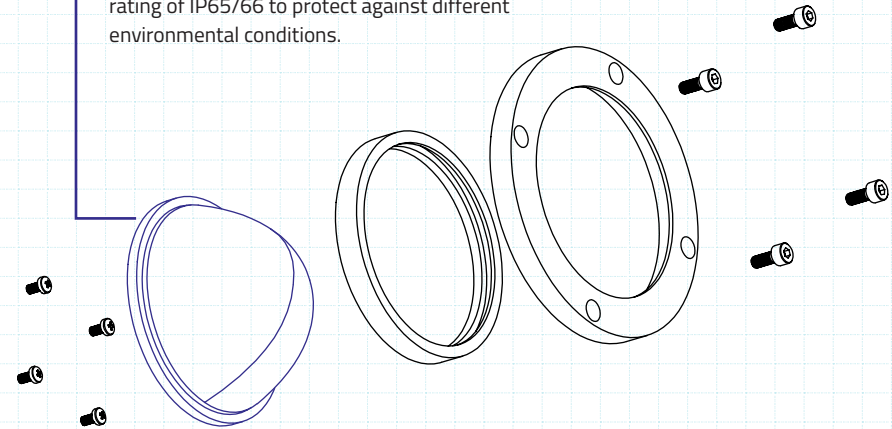
LUNA 100W COB

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/>

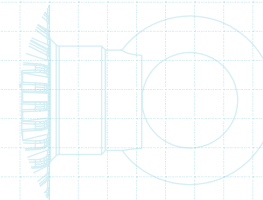
OPTICAL LENS + SEALED DESIGN

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

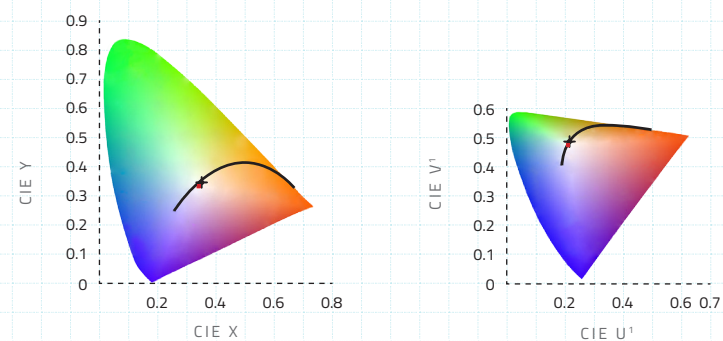
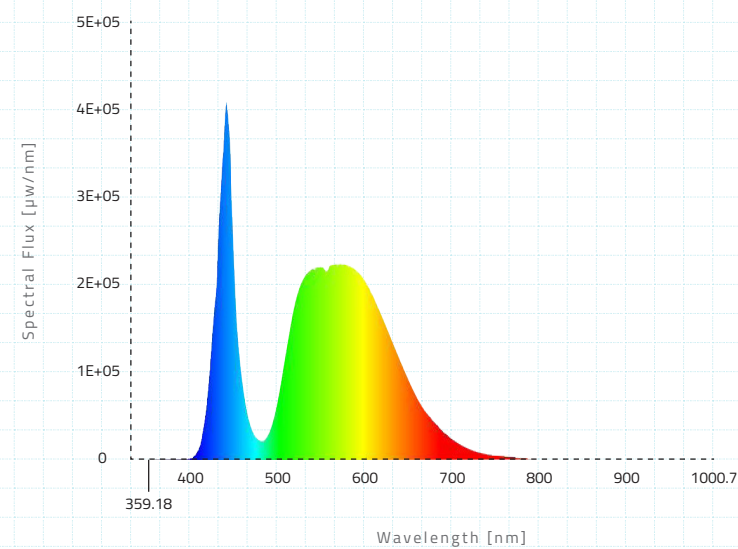


Alternative Hook Mount
Highbay Bracket Assembly

*For additional information regarding optical components, contact URSA sales

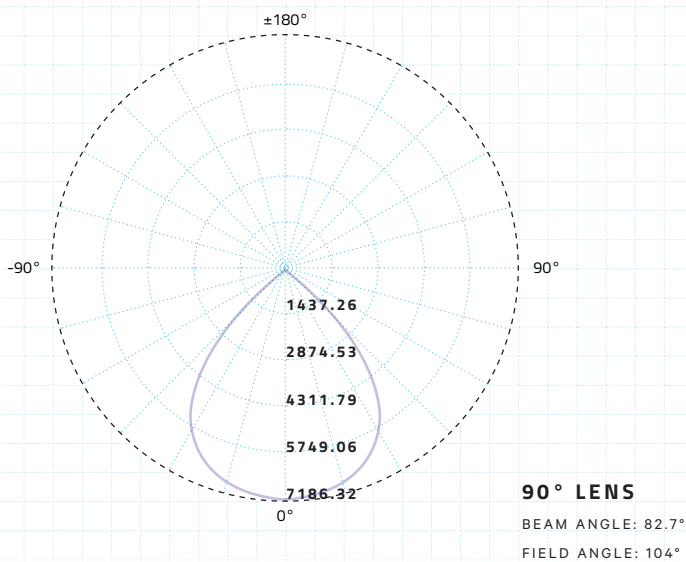
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PHOTOMETRIC
PERFORMANCE



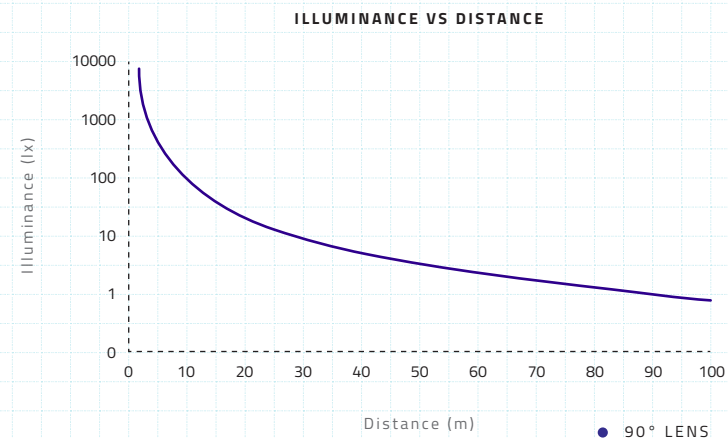
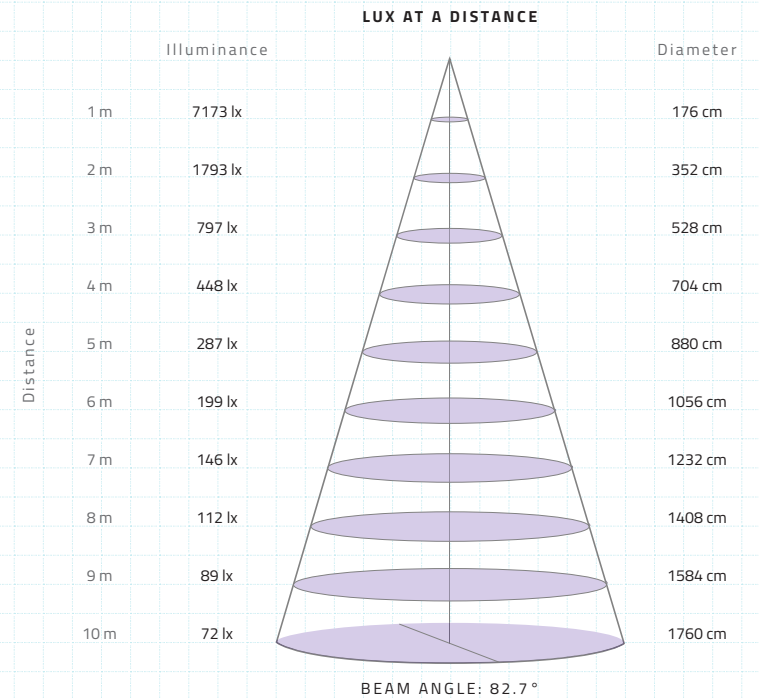
POLAR LUMINOUS
INTENSITY DISTRIBUTION

06



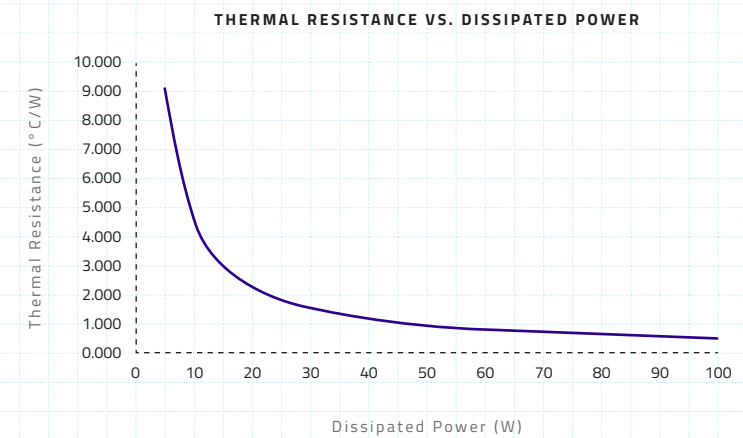
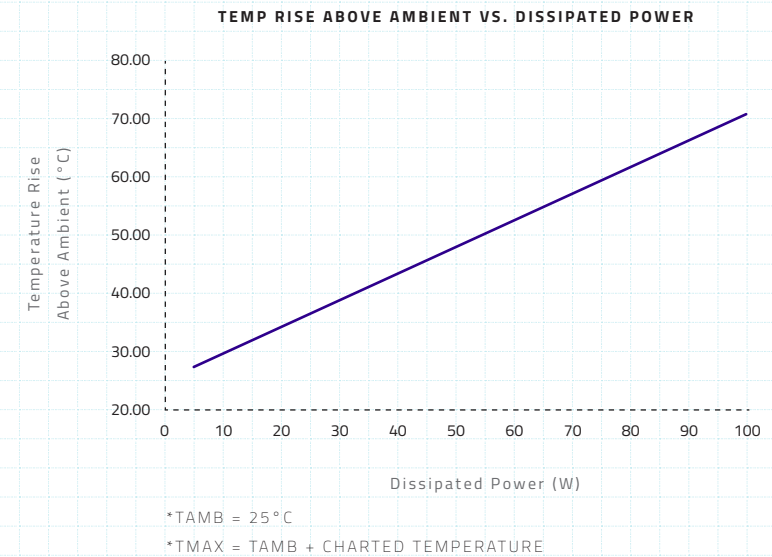
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ILLUMINANCE
CONE DIAGRAM



THERMAL
PERFORMANCE

08



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