

ursa

Helios Series

600W
SPECIFICATIONS

01

FEATURES
+ BENEFITS

PRODUCT
SPECIFICATIONS

02

Cold forged heatsink core with patented Forging Fit Technology capable of passively cooling up to 600W

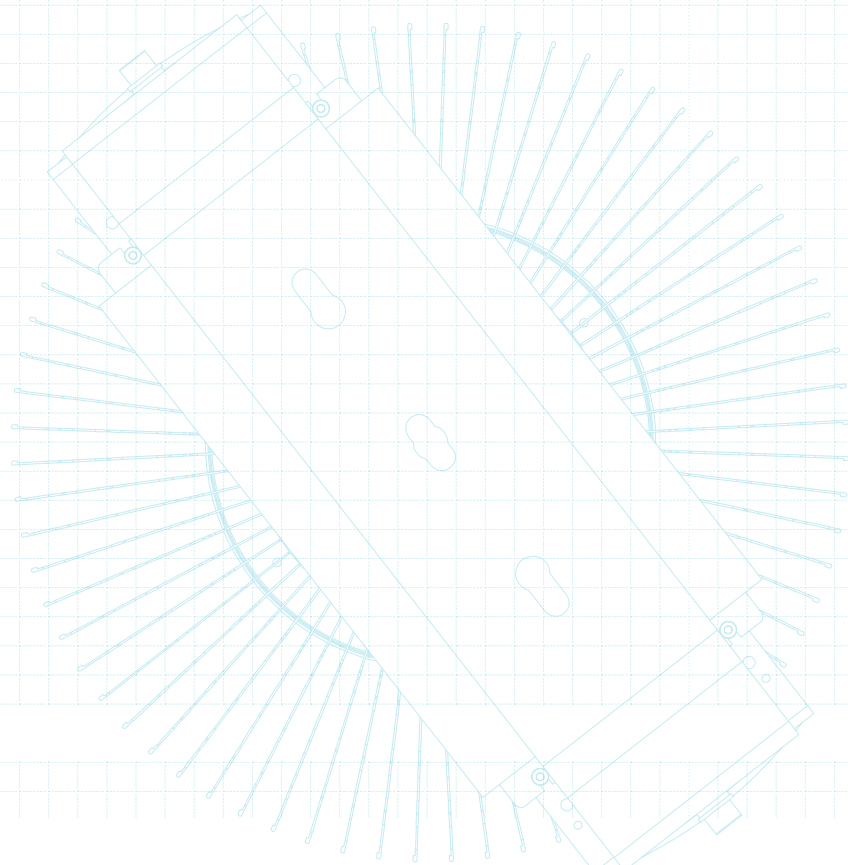
Adjustable angle bracket with a 270° allowable swivel, adaptable to various masts and poles

Compliant with Mean Well 600W PSU

Equipped with a 25° spotlight reflector and tempered glass lens with a waterproof sealed design

Record high total light flux and efficiency of a single light source: Flip Chip Opto Apollo 1200W COB

Durable surface finish to protect against corrosion and harsh weather conditions



H

PRODUCT FAMILY
H : Helios

HS0600A - R253280 - THD6

S

FIXTURE TYPE
S : Swivel Bracket
H : Highbay Eyebolt

0 6 0 0

FIXTURE WATTAGE
0600 : 600W

A

COB TYPE
A : Apollo

R 2 5

OPTICS ANGLE
R25 : 25° Reflector
R60 : 60° Reflector
R90 : 90° Reflector

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

H

PSU
H : HLG
V : HVG

D

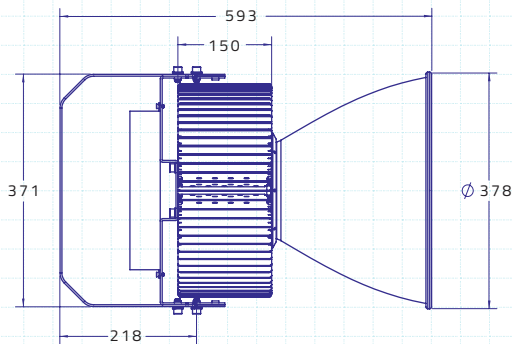
DIMMING
D : Dimming
N : Non-Dimming

6

HEATSINK
6 : 600W

03

PRODUCT
PARAMETERS



MECHANICAL SPECIFICATIONS

Dimensions (mm)	378 x 371 x 593
Weight	33.1 lbs. (15 kg)
Material	
Heatsink Core	Al 1070
Fins	Al 1050
Reflector	Al 1090
Lens	Tempered Glass
Brackets	Iron / 304 SS

Surface Finish		
Part	Process	Color Options
Heatsink	Electrophoretic Deposition (EPD)	Black
Brackets	Powder Coating	Black
Reflector	Anodizing / Powder Coating	Silver / Black

ELECTRICAL SPECIFICATIONS

Input Voltage Range	90 - 305 VAC
Drive Current	11.2 A
Output Voltage	54 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 "Apollo 1200W" COB
Luminous Flux	63745 lm @ 561.6W, Cool White
Light Efficacy	113.5 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_HS0600A - R25

SECONDARY OPTICS + SEALED DESIGN

The reflector housing contains a 4mm tempered glass lens with a transparency rate of 95% for minimal obstruction of the lumen output. The sealing gasket achieves the protection rate of IP65/66 to protect against different environmental conditions.

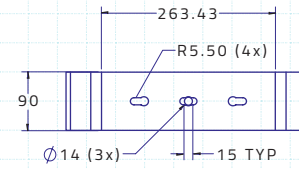
HEATSINK FORGING FIT DESIGN

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.

APOLLO 1200W COB

The single light source COB from Flip Chip Opto uses their proprietary 3-pad thermal pillar achieving an incredibly low thermal resistance of 0.008 C°/W.

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



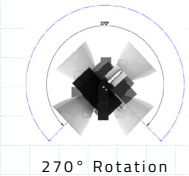
MOUNTING BRACKET

Stamped stainless steel mounting brackets allow for quick orientation positioning and adaptability for tower/wall mounting and mobile/stationary units.

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.

FIXTURE ORIENTATION



270° Rotation



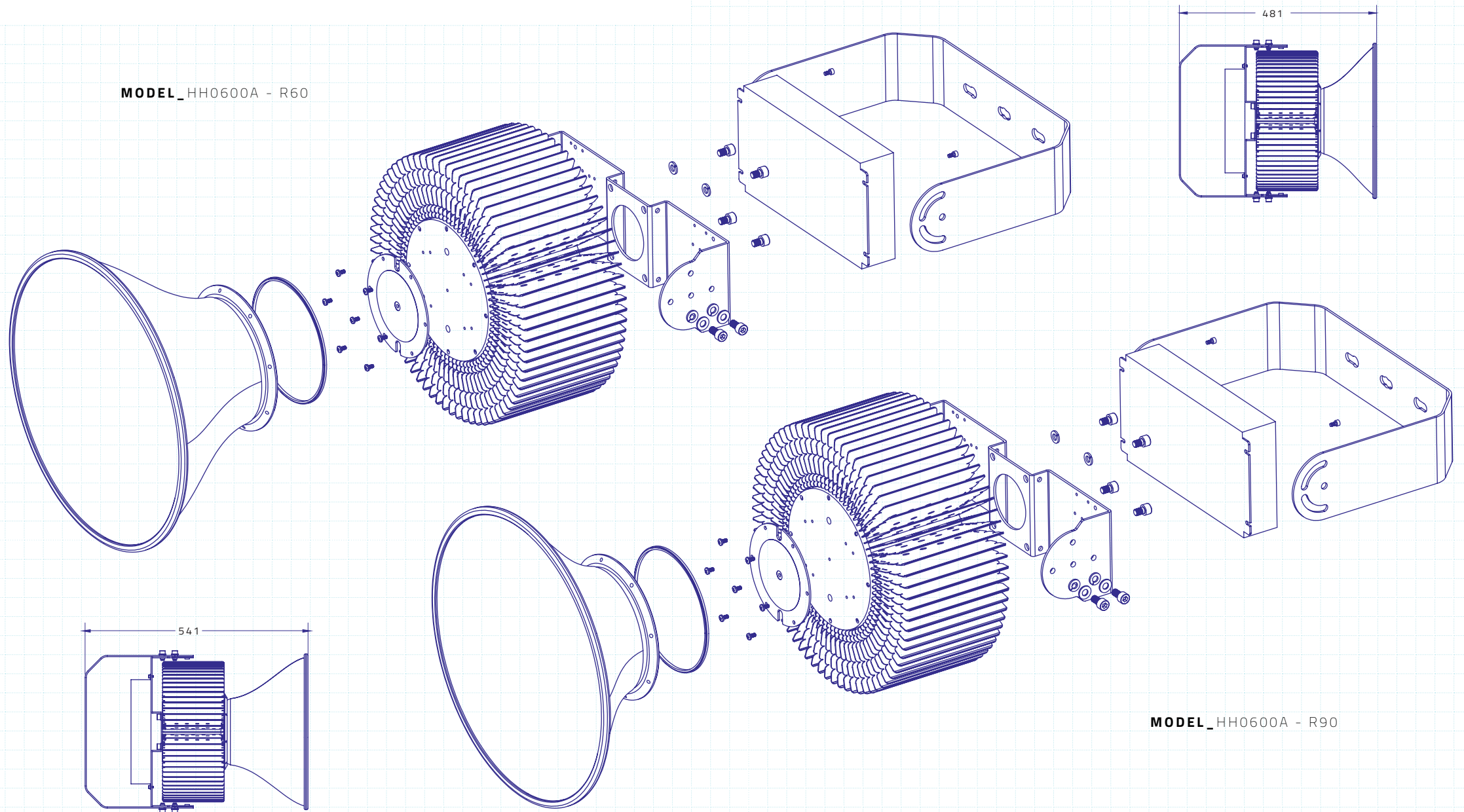
Upward and Downward Orientation

*For optimal performance, orientation facing down is recommended.

04

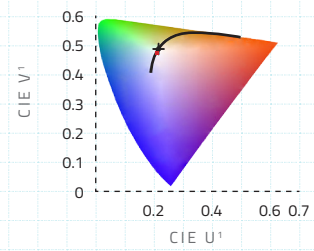
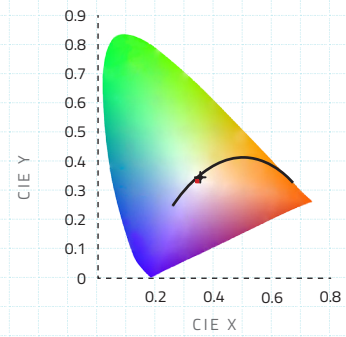
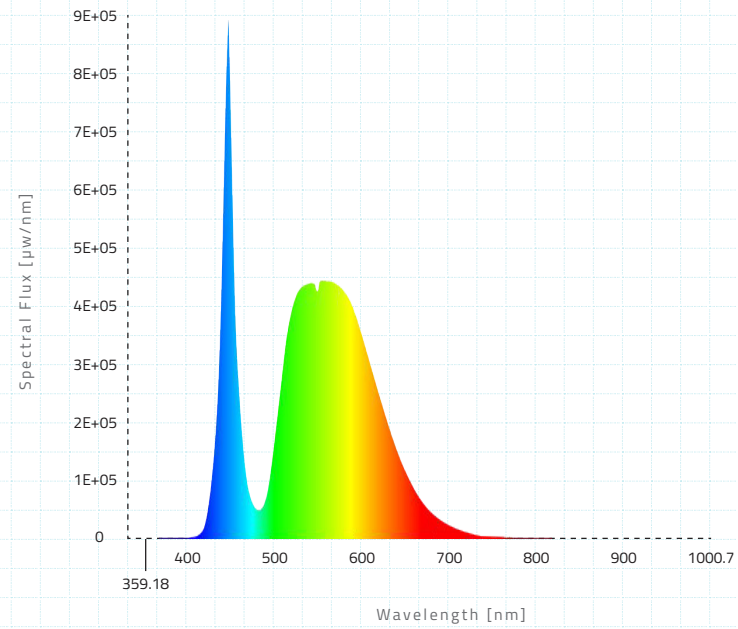
FIXTURE BREAKDOWN

MODEL_HH0600A - R60

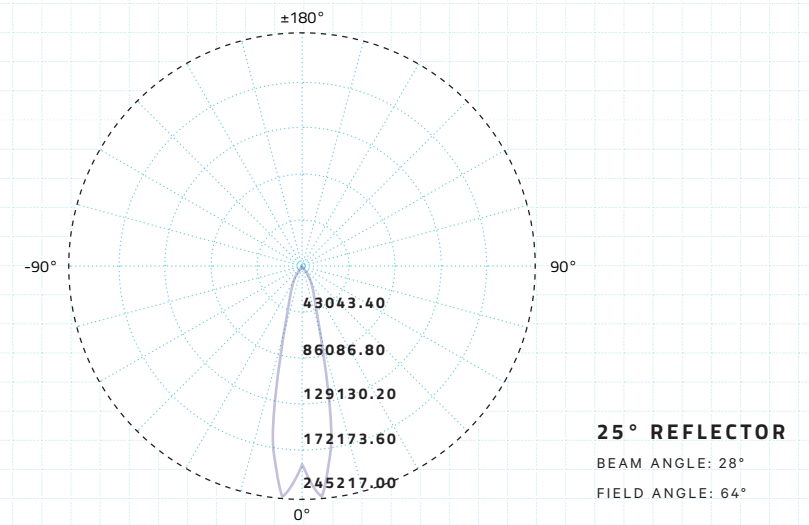
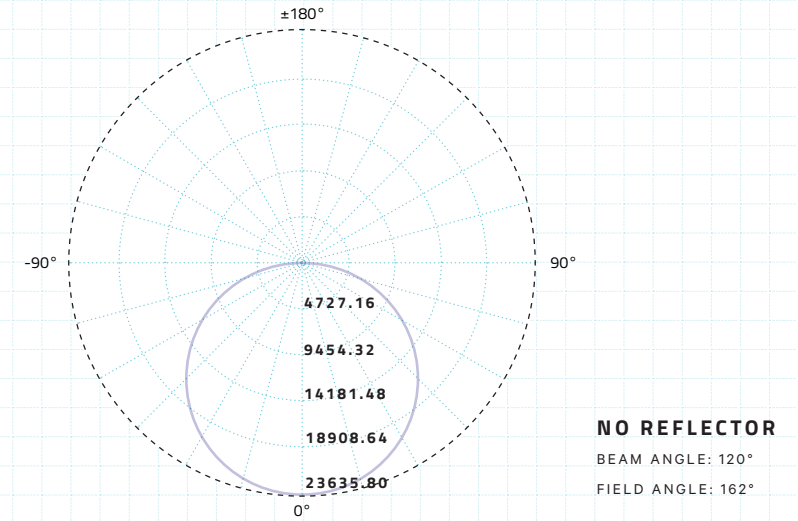


MODEL_HH0600A - R90

05 PHOTOMETRIC PERFORMANCE

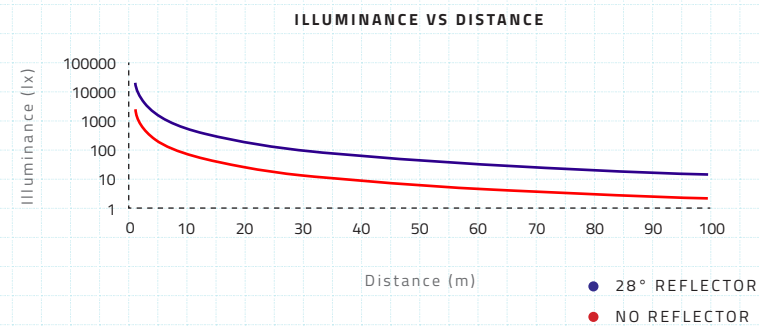
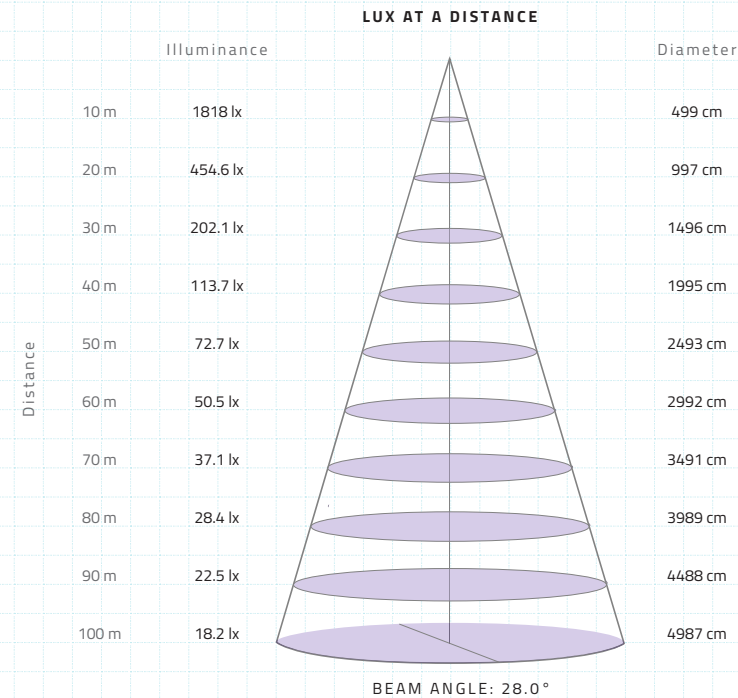


POLAR LUMINOUS INTENSITY DISTRIBUTION 06



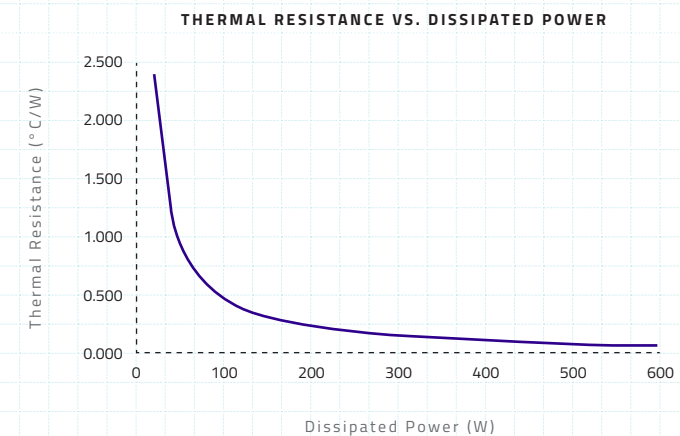
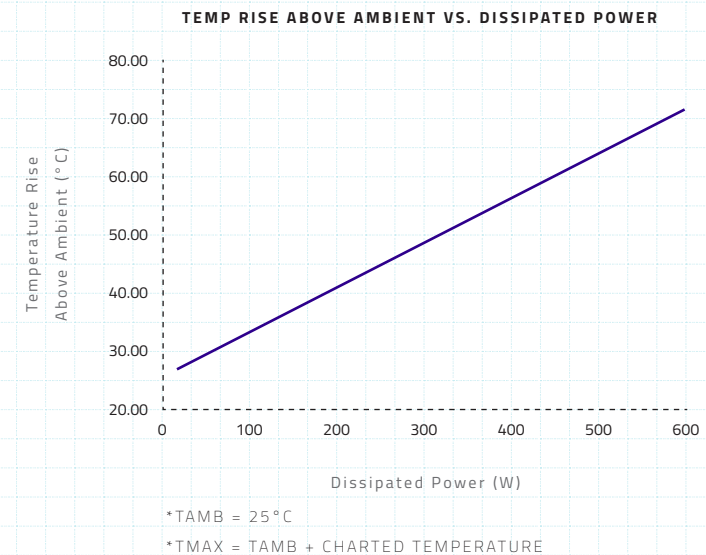
07

ILLUMINANCE
CONE DIAGRAM



THERMAL
PERFORMANCE

08



USA HEADQUARTERS

48668 Milmont Drive
Fremont, CA 94538 USA
Tel: +1 (510) 490-7931
Tel: +1 (800) 766-6097

CANADA OFFICE

71 Buttermilk Ave
Vaughan, ON. L4K 3X2, Canada
Tel: +1 (877) 228-3250

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