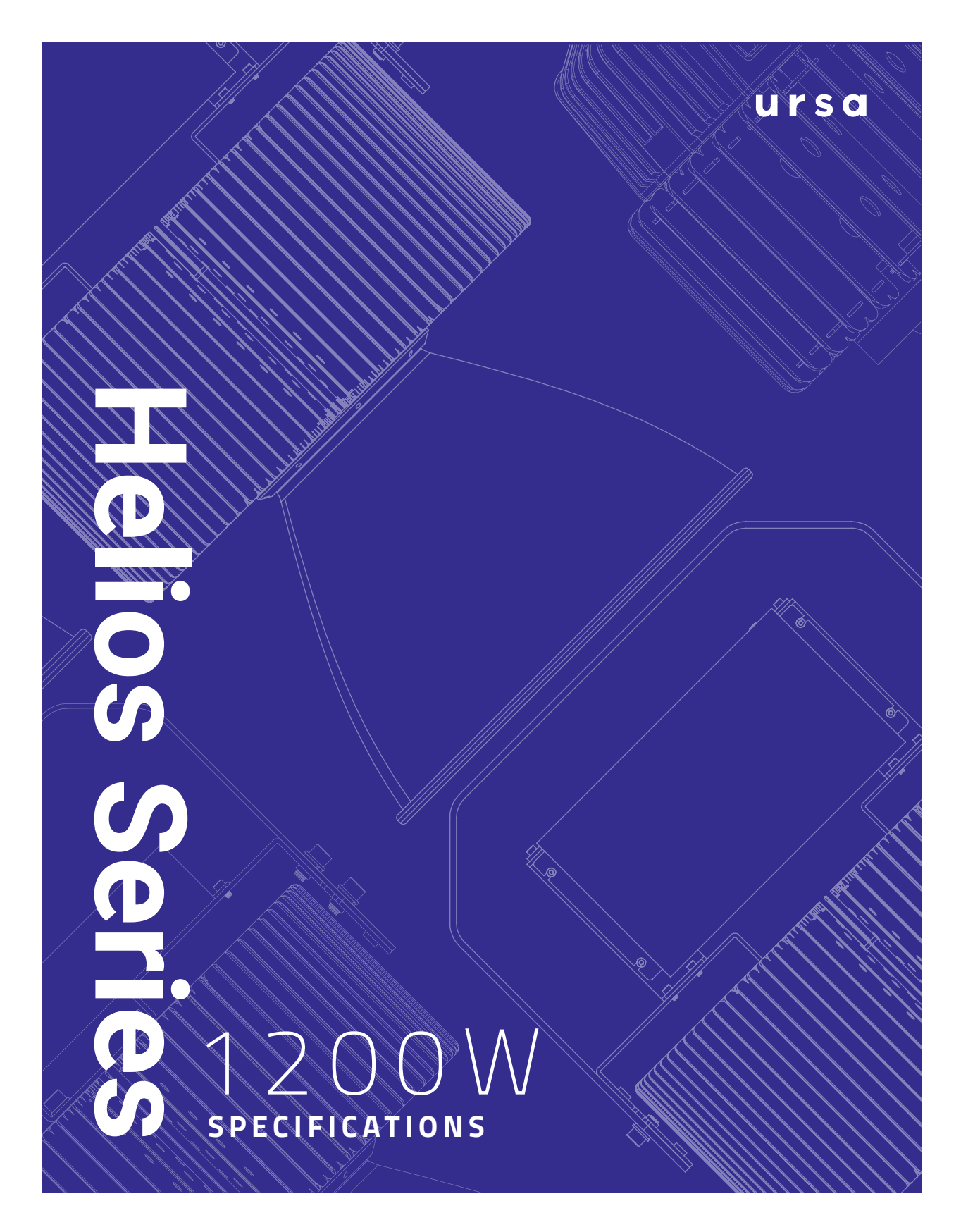




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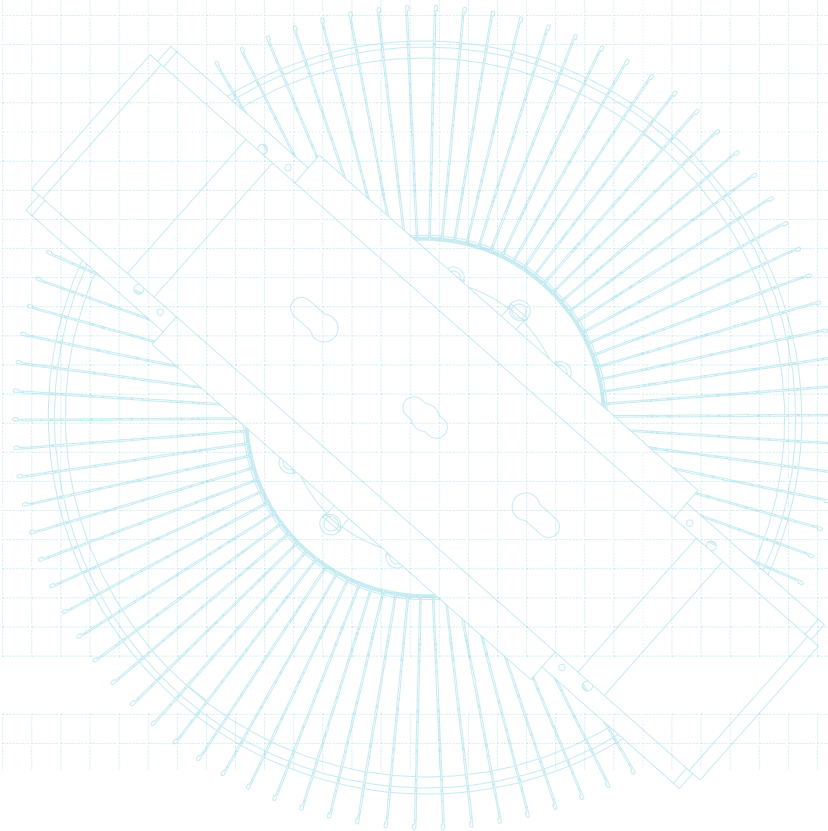
Helios Series

1200W
SPECIFICATIONS

01 FEATURES + BENEFITS

PRODUCT SPECIFICATIONS 02

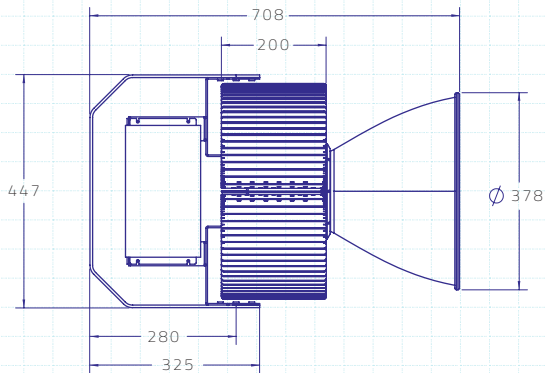
- Cold forged heatsink core with patented Forging Fit Technology capable of passively cooling up to 1200W
- Adjustable angle bracket with a 270° allowable swivel, adaptable to various masts and poles
- Compliant with Mean Well 600W PSU (2x)
- Equipped with a 35° spotlight reflector and tempered glass lens with a waterproof sealed design
- Copper heat pipes used to rapidly transfer heat from light engine to heatsink using liquid to vapor phase change
- Record high total light flux and efficiency of a single light source: Flip Chip Opto Apollo 2400W COB
- Durable surface finish to protect against corrosion and harsh weather conditions



HS1200A - R353280 - THD7			
PRODUCT FAMILY H : Helios			
FIXTURE TYPE S : Swivel Bracket H : Highbay Eyebolt	FIXTURE WATTAGE 1200 : 1200W		COB TYPE A : Apollo
OPTICS ANGLE R35 : 35° Reflector R60 : 60° Reflector R90 : 90° Reflector	CCT 32 : 3200K 40 : 4000K 50 : 5000K	CRI 80 : 80 (Standard) 90 : 90 (Upon Request) 95 : 95 (Upon Request)	
SAFETY T : ETL N : Non	PSU H : HLG V : HVG	DIMMING D : Dimming N : Non-Dimming	HEATSINK 7 : 1200W

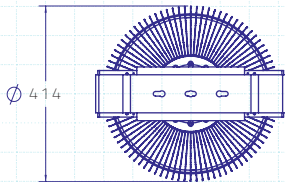
03

PRODUCT
PARAMETERS



MECHANICAL SPECIFICATIONS

Dimensions (mm)	447 x 414 x 709
Weight	56.1 lbs. (25.5 kg)
Material	
Heatsink Core	Al 1070
Fins	Al 1050
Reflector	Al 1090
Lens	Tempered Glass
Brackets	Iron / 304 SS



Surface Finish		Color Options
Part	Process	
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 2400W" COB
Luminous Flux	113458 lm @ 1141.8W, Cool White
Light Efficacy	99.4 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_HS1200A - R35

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.

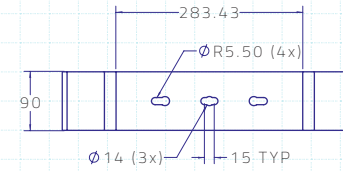
HEATSINK FORGING FIT DESIGN

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 2400W COB

The single light source COB from Flip Chip Opto uses their proprietary 3-pad thermal pillar achieving an incredibly low thermal resistance of 0.003 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.

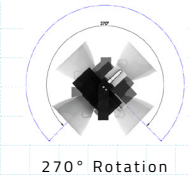
COPPER HEAT PIPES

For efficient heat transfer from light engine to heatsink, copper heat pipes are utilized to lower junction and maintain maximum lumen output for optimal performance.

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



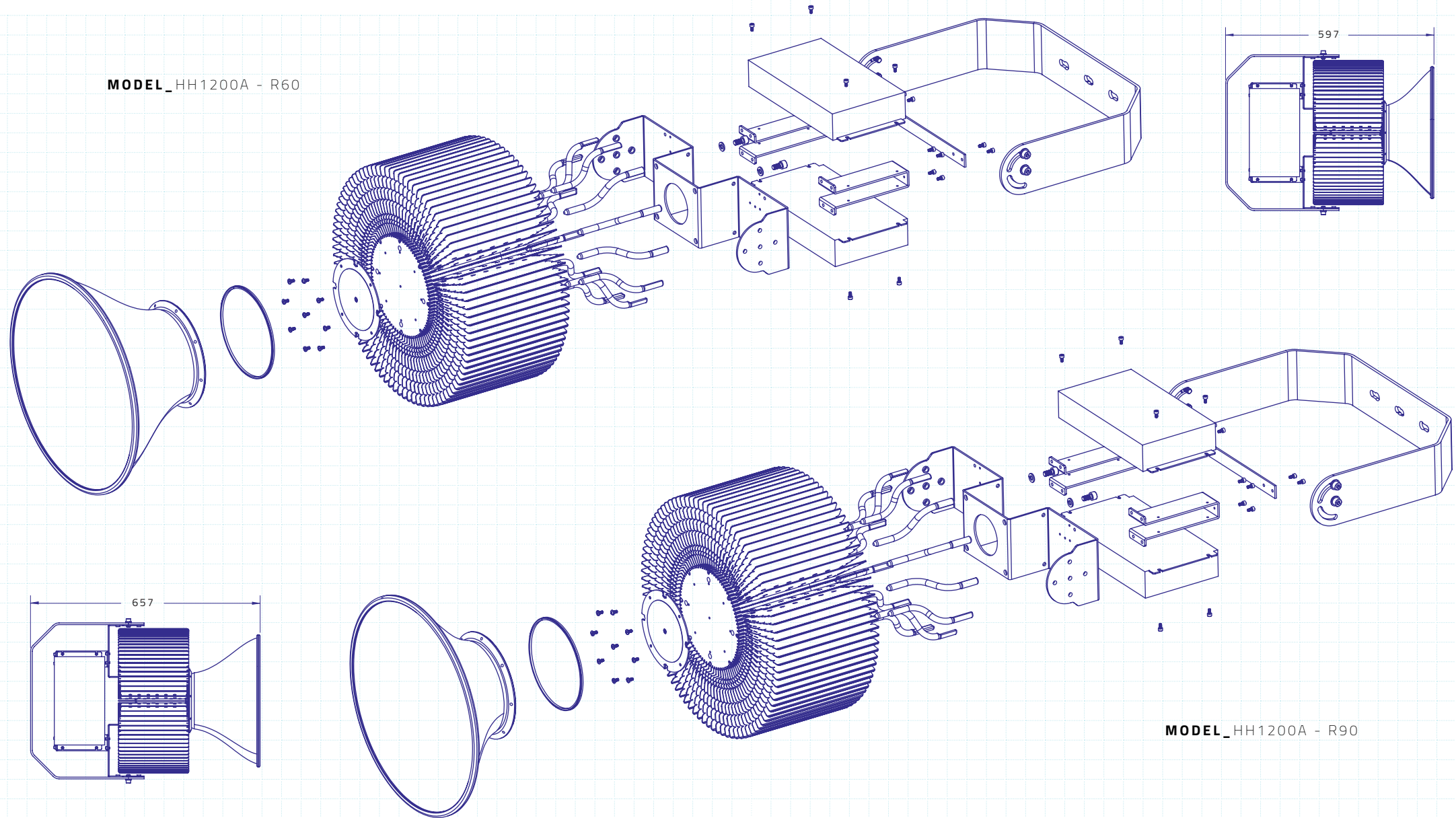
Upward and Downward Orientation

*For optimal performance, orientation facing down is recommended.

04

FIXTURE BREAKDOWN

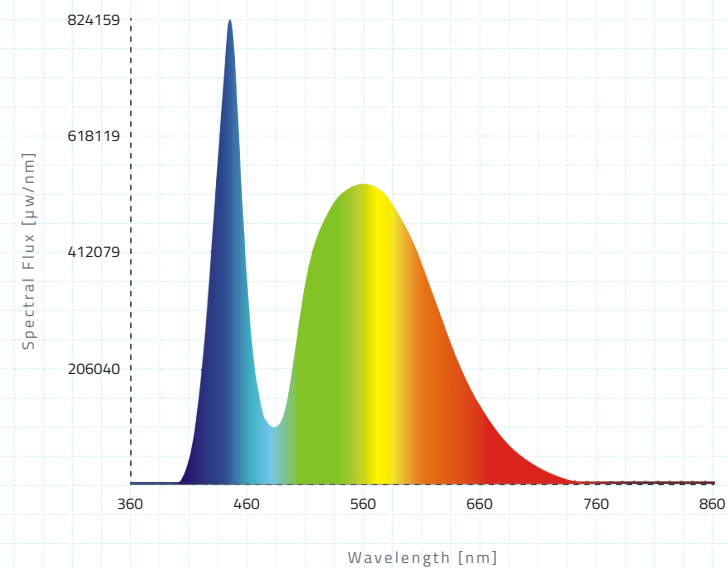
MODEL_HH1200A - R60



MODEL_HH1200A - R90

05

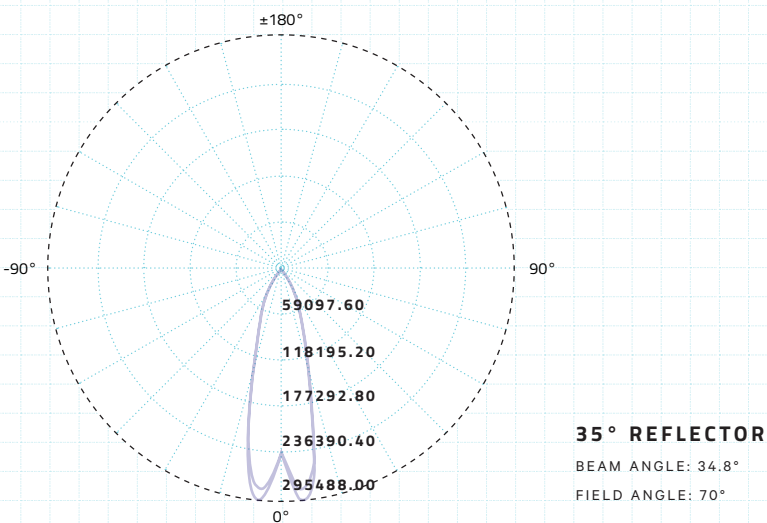
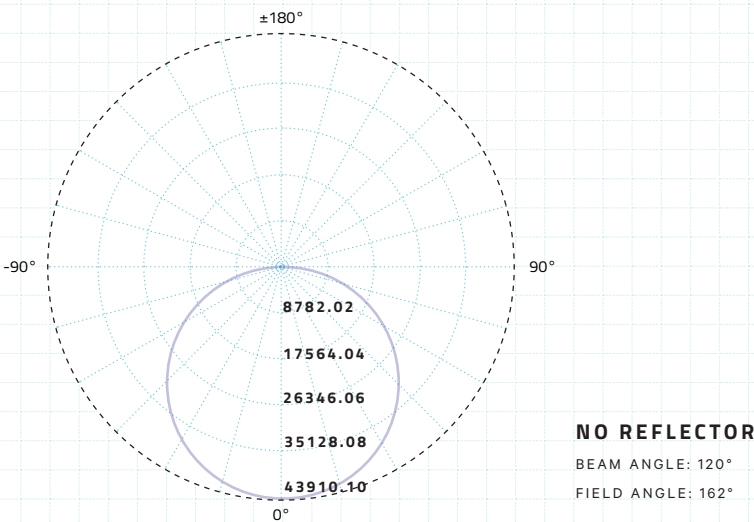
PHOTOMETRIC
PERFORMANCE



CCT	5443	CIEu	0.2073
CIEx	0.3339	CIEv	0.4785
CIEy	0.3425	CRI	73.11

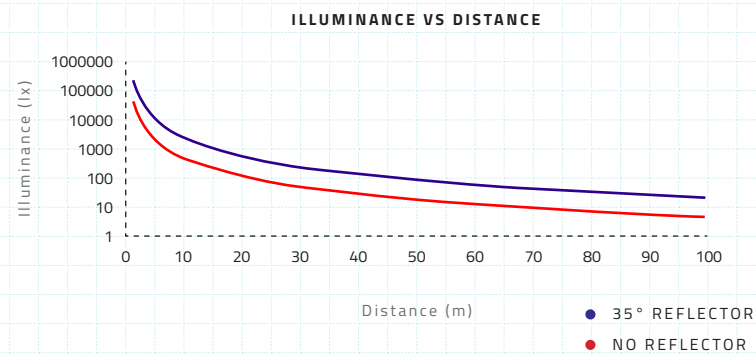
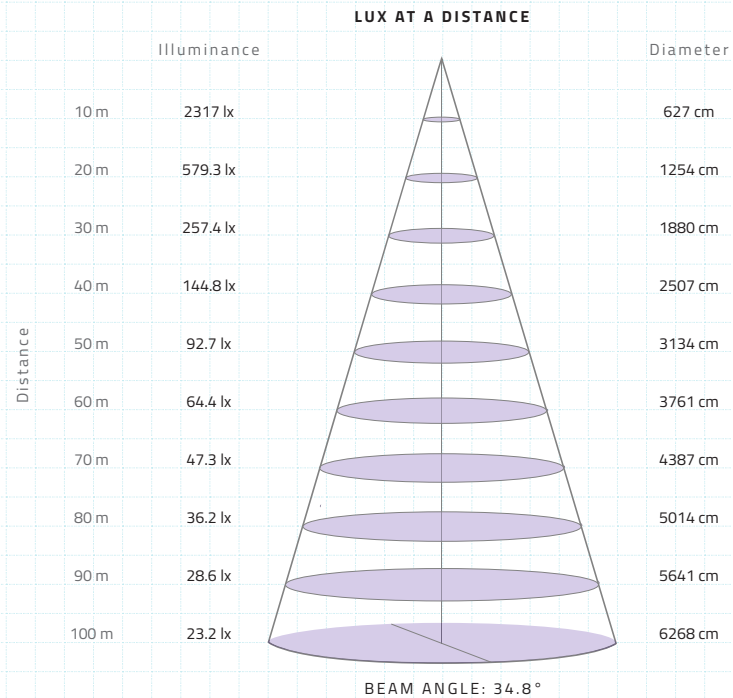
POLAR LUMINOUS
INTENSITY DISTRIBUTION

06



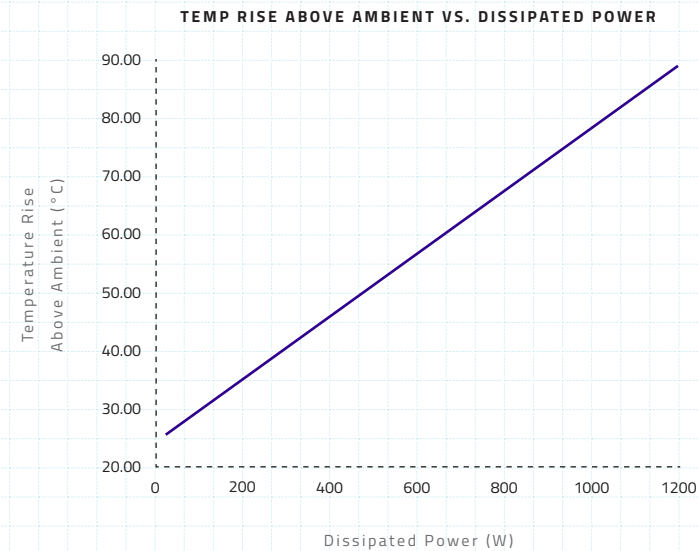
07

ILLUMINANCE
CONE DIAGRAM

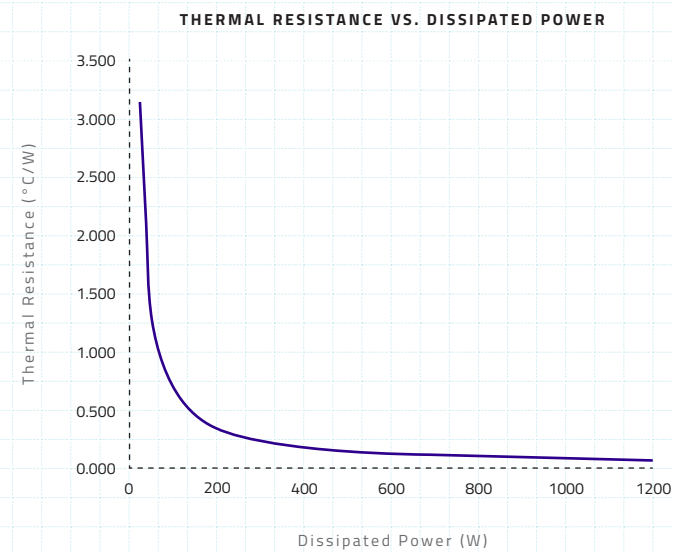


THERMAL
PERFORMANCE

08



*TAMB = 25°C
*TMAX = TAMB + CHARTED TEMPERATURE



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