

R480 SERIES SPECIFICATION

LED Sports lighting

We provide professional sports lighting solutions
850W/1050W/1250W/1550W

- Unrivald efficacy 160 lm/W
- Advanced optical design enabling cost efficient, 1 on 1 replacement for HID flood light
- Outstanding cooling technology and durability
- Excellent light distribution and minimized glare
- 20KV surge protection and IP66 pretection grade, fearless of thunderstorm weather



POWER RANGE	LIGHT CONTROL	STRUCTURE DESIGN	Safety
850W-1550W	Advanced optical design, high light transmittance	Quick adjustment of installation angle, high thermal conductive radiator, air convection design	Low EPA, wind resistance level 60m/s; Super toughness bracket; Safety rope design, IP66 rated, 20KV Surge Protection.

ORDERING INFORMATION

SERIES	WATTS	CCT	CRI	OPTICS	DIMMING	HIGH VOLTAGE(H)/LOW VOLTAGE(L)	COLOR
R480	08 850W	30 3000K	A 70	12 12°	N None	L 100-277V AC H 200-480V AC	S Silvery C Custom
	10 1050W	40 4000K	M 80	20 20°	D 0-10V		
	12 1250W	50 5000K	H 90	40 40°	A DALI		
	15 1550W	57 5700K		60 60°	X DMX		
		65 6500K					

Example : R4801057M20NLS
Standard 80 CRI
Custom color require additional cost and lead time

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SPECIFICATIONS

Lifespan | >80,000 hours
Color Rendering Index (CRI) | >70/80/90
LED Qty | SMD 440PCS
Input Line Voltage | 100-277 / 200-480 VAC
Input Line Frequency | 50/60 Hz
Power Factor | >0.97%
Surge Protection | 20KV
THD | <20%
IP Rating | IP66 & IP67
Operating Temp | -40°C - +60°C
Relative Humidity | 0-90% RH
EPA & Weight | See Chart 1

MATERIALS

Housing | AL1070
Radiator | Air convection radiators
Bracket | Galvanized Steel
Lens | PC Optical Lens
Surface | Outdoor Powder Spraying / galvanized
Salt Spray Test | 1000 H,ASTM B117

CERTIFICATIONS

ETL | UL1598
DLC | DLC V5.0
SAA | AU/NZL 60598-1, AU/NZL 60598-2-5
CE | EN IEC 55015, EN IEC 61000-3-2, EN 61000-3-3, EN 61547
EN IEC 60598-1, EN 60598-2-5, EN 62471, EN 62493
CB | IEC 60598-2-5, IEC 60598-1
FCC | ANSI C63.4

EPA & Weight				
	850W	1050W	1250W	1550W
EPA	3.74 sq.ft	3.74 sq.ft	3.74 sq.ft	3.74 sq.ft
Weight	41.2 lbs. (18.7kg)	41.7 lbs. (18.9kg)	41.9lbs. (19kg)	53lbs. (24kg)

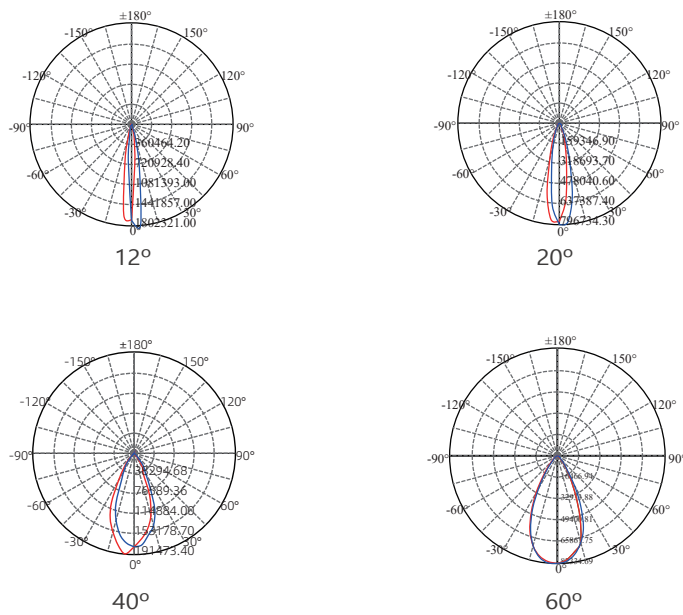
(Chart 1)

LUMEN

LUMEN CHART					
WATTS CCT	3000K	4000K	5000K	5700K	6500K
850W	138125 lm	138550 lm	138975 lm	138975 lm	139400 lm
1050W	170100 lm	170625 lm	171150 lm	171150 lm	171675 lm
1250W	201875 lm	202500 lm	203125 lm	203125 lm	203750 lm
1550W	250325 lm	251100 lm	251875 lm	251875 lm	252650 lm

*160lm/W based on 70Ra test

OPTICS



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IMPACT BETWEEN AMBIENT TEMPERATURE AND POWER

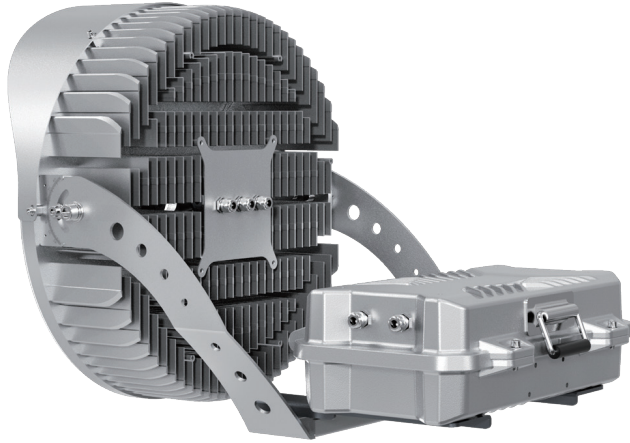
Type	LIFE L80B10 Ta=25°C	led color	Flux (lm) + / _ 7 %	W + / _ 10%	outdoor ←	indoor →	outdoor ←	KG
R480-850W	80000h	A57	138975	850	45°C	-	-40°C	22KG
R480-850W	80000h	A57	132026.25	807.5	50°C	45°C	-40°C	22KG
R480-850W	80000h	A57	125077.5	765	55°C	50°C	-40°C	22KG
R480-850W	80000h	A57	118128.75	722.5	60°C	55°C	-40°C	22KG
R480-1050W	80000h	A57	171150	1050	45°C	-	-40°C	22KG
R480-1050W	80000h	A57	154035	945	50°C	45°C	-40°C	22KG
R480-1050W	80000h	A57	145477.5	892.5	55°C	50°C	-40°C	22KG
R480-1050W	80000h	A57	119805	735	60°C	55°C	-40°C	22KG
R480-1250W	80000h	A57	203125	1250	45°C	-	-40°C	23KG
R480-1250W	80000h	A57	172656.25	1062.5	50°C	45°C	-40°C	23KG
R480-1250W	80000h	A57	162500	1000	55°C	50°C	-40°C	23KG
R480-1250W	80000h	A57	132031.25	812.5	60°C	55°C	-40°C	23KG
R480-1550W	80000h	A57	251875	1550	45°C	-	-40°C	24KG
R480-1550W	80000h	A57	214093.75	1317.5	50°C	45°C	-40°C	24KG
R480-1550W	80000h	A57	201500	1240	55°C	50°C	-40°C	24KG
R480-1550W	80000h	A57	163718.75	1007.5	60°C	55°C	-40°C	24KG

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PRODUCT

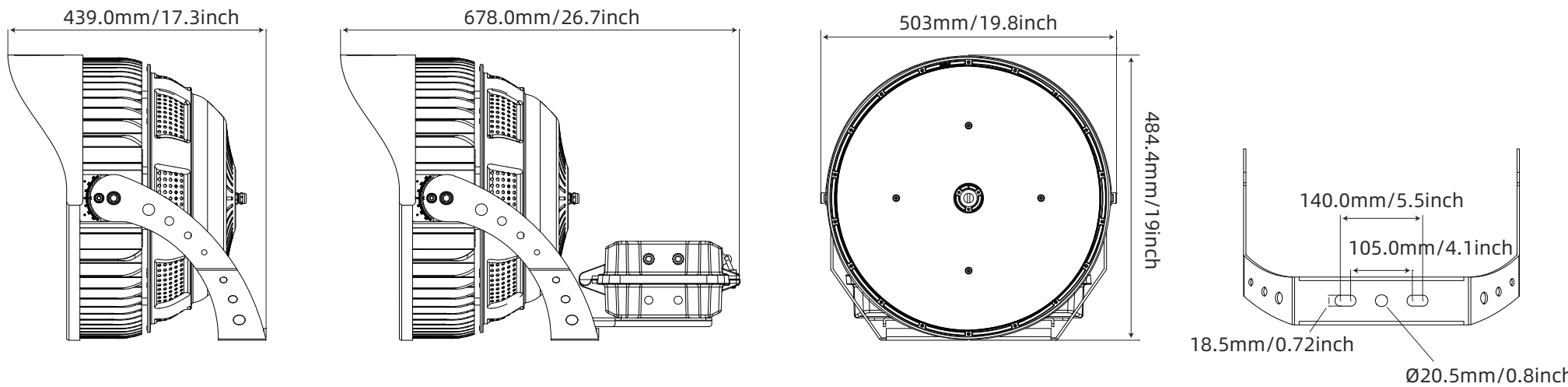


R480: 850-1250W



R480: 1550W

PRODUCT DRAWINGS



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