



0-10V



100-277V



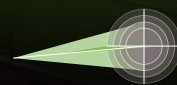
200-480V



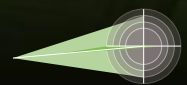
2H x 2V Narrow
Spotlight Distribution



3H x 3V Narrow
Spotlight Distribution



4H x 4V Narrow
Spotlight Distribution



5H x 5V Wider
Floodlight Distribution

OPTICS

- Available in 2Hx2V, 3Hx3V, 4Hx4V, 5Hx5V distributions.
- Light engines are available in standard 5000K and 80Ra configurations.
- Scalable lumen packages from 112,500lm.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.

ELECTRICAL

- Universal input voltage: 200-480VAC.
- Standard with 0-10V dimming driver (s).
- Built in surge suppression with 10KV.
- THD: <15%.
- Power factor: >90%.

SP9.5-M LED Sports Lights

POWER BOX ATTACHED (STANDRD)



SP9.5-M light heads



Note:
Light Head example shown in a Top Mount Yoke
(TY = Top Mount Yoke)

Wattage Adjustable Sports Lighting Solutions



3-in-1 Power/angle adjustable by DIP Switch



Power:
750W-600W-500W

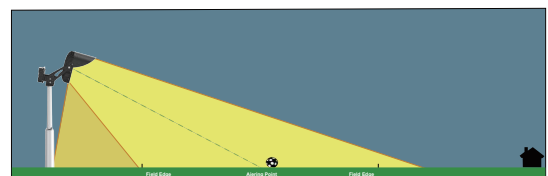
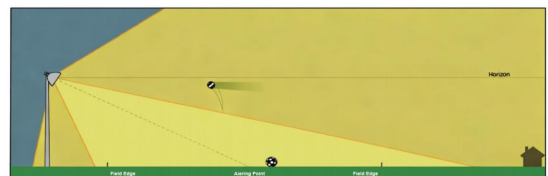
Beam angle:
20D-30D-40D

Accesssries Mounting Options

Visor



Anti-glare louver

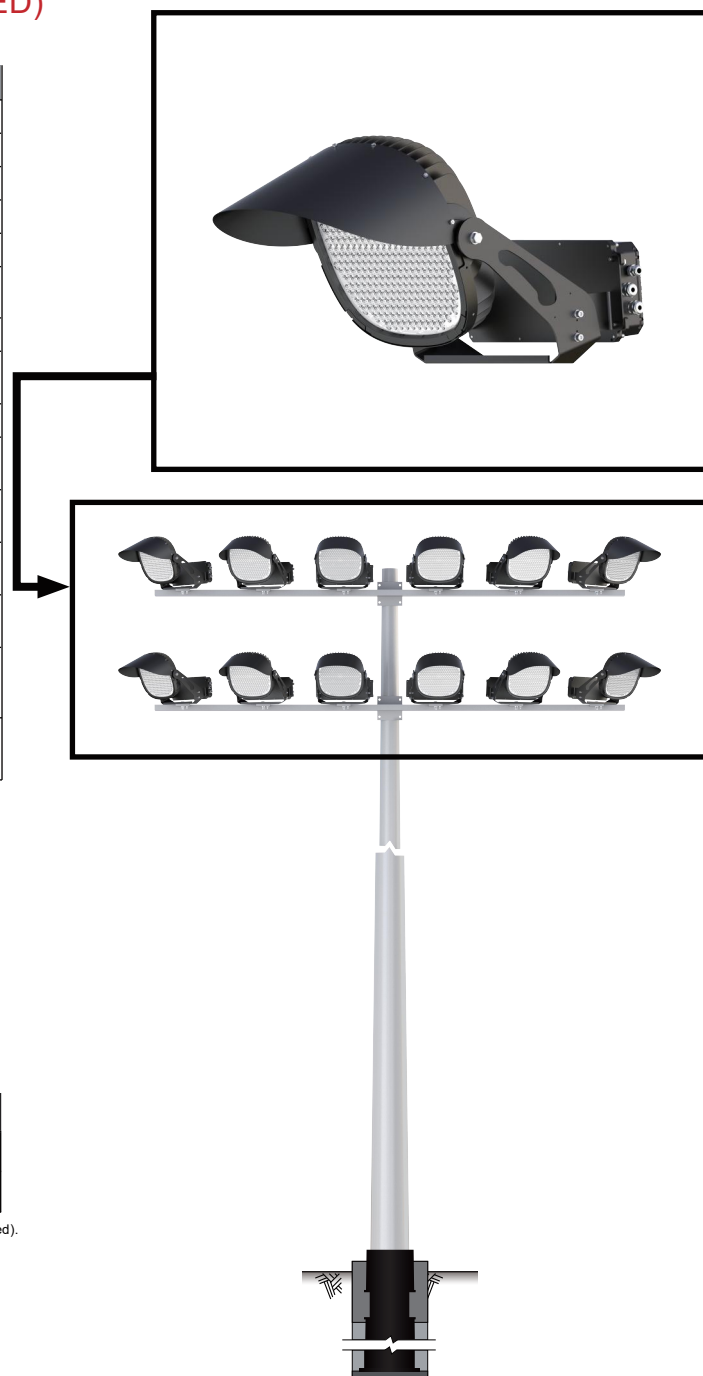


SP9.5-M LED Sports Lights

LIGHT HEAD OVERVIEW(POWER BOX ATTACHED)

Performance Data¹

SP9.5-M PRISM	1000W	750W
Lumen Output Range ²	150,000lm	112,500lm
Nominal Input Power ³	1000W	750W
Efficacy Range ²	150lm/ W	
CRI ⁴	80	
CCT Range	5000K	
Distribution (NEMA) ⁵	NEMA 3(20°)/ NEMA 4(30°,40°)	
Dimming Range	DIM TO OFF, 0-10V	
Operating Temperature Range	-40°C to +50°C	
Usage	INDOOR ⁶ , OUTDOOR ⁶	
Mounting Options (3G RATED)	TOP MOUNT YOKE QUICK CLAMP	
Electrical Certifications	UL8750, UL1598, DLC 6.0(PREMIUM)	
Environmental Certifications	IP66	
Effective Projected Area (EPA) ⁷	1.92(sq. ft.)	
Approximate Weight ⁸	Light Head (With Visor) 33.1LBS Light Head (Without Visor) 31.56 LBS Driver Component 12.12 LBS	Light Head (With Visor) 30.2LBS Light Head (Without Visor) 28.66LBS Driver Component 10.58 LBS
	Quick Clamp Yoke + 15 LBS	



NOTES:

- (1) Specifications are subject to change without notice.
- (2) Refer to SP9.5-M Optical Performance Data.
- (3) Values are +/- 4% when fixture is operated at 25°C ambient.
- (4) Values are +/- 2%.
- (5) Optic = NEMA TYPE; BEAM ANGLE; FIELD ANGLE.
Additional optical performance data within spec sheet.
- (6) Indoor use limited to input voltages 200 -480VAC.
- (7) EPA may vary depending on the aiming angle of the fixture.
- (8) Weight may vary depending on mounting bracket, no visor option or lighthead configurations.

SP9.5 Light Head Electrical Specifications

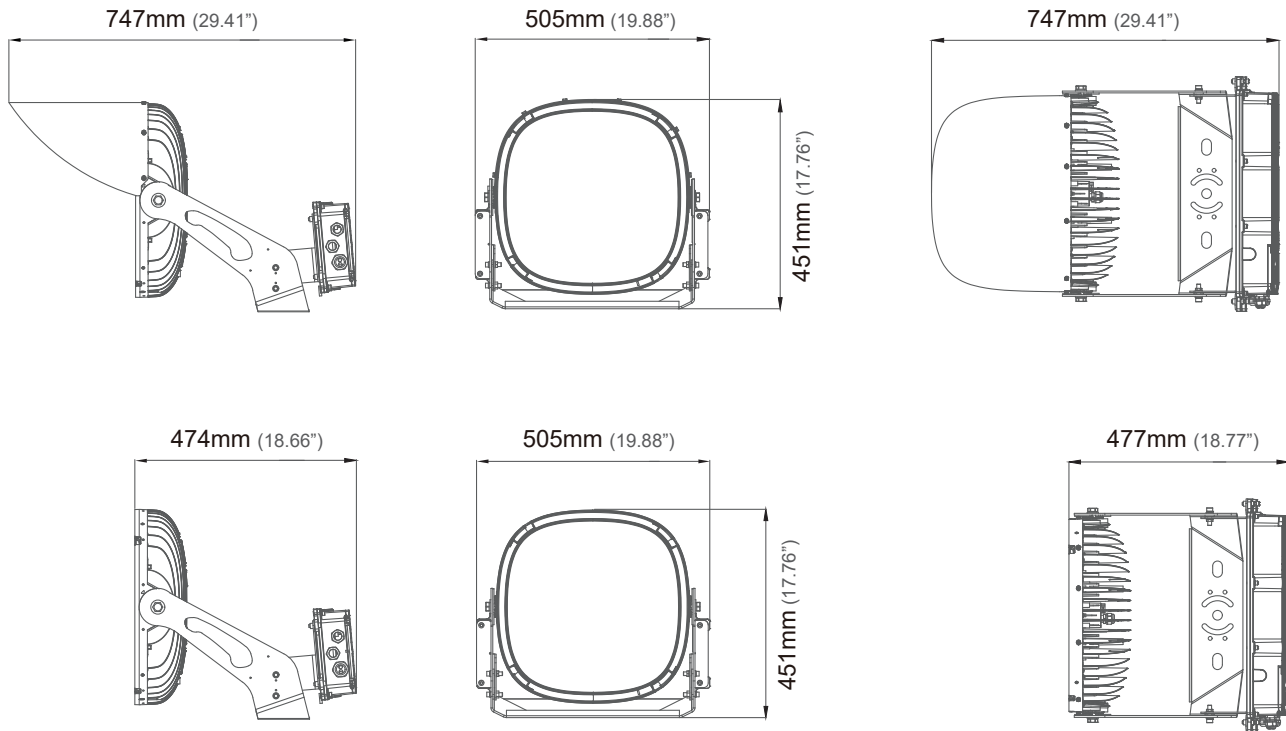
Product	Drive Current	DC Voltage	Light Head Power
SP9.5-1000W	2.97 A	336 VDC	1000 W
SP9.5-800W	2.38 A	336 VDC	800 W

* 16 AWG, 600 V, 90°C or above rated cable is required. Rated and installed per electrical standard (contractor supplied).
* Electrical System (Light Head) must be grounded per electrical standard.

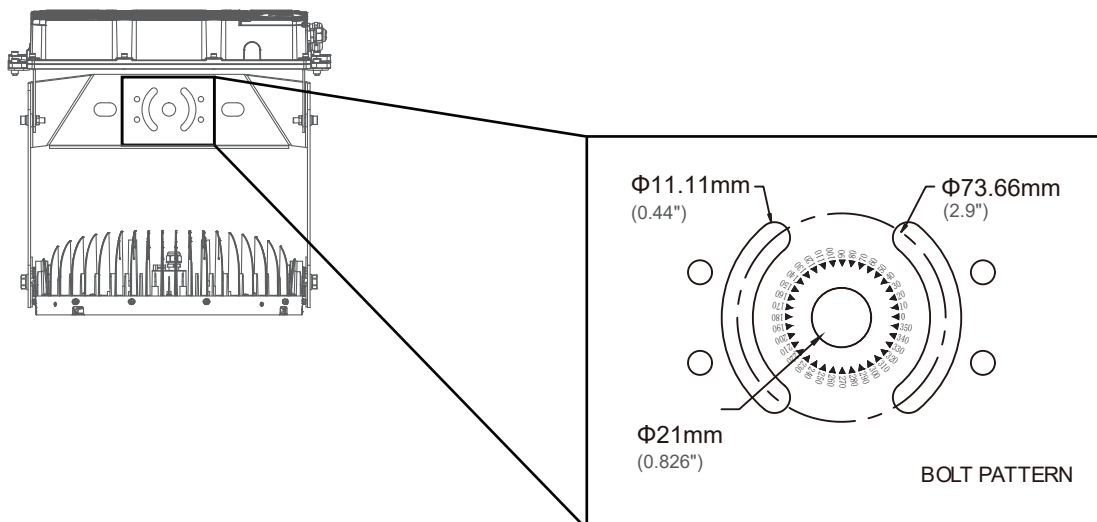
SP9.5-M LED Sports Lights

LIGHT HEAD WITH POWER BOX ATTACHED: DIMENSIONAL DETAILS

Light Head: TY = Top Yoke Dimensional Details

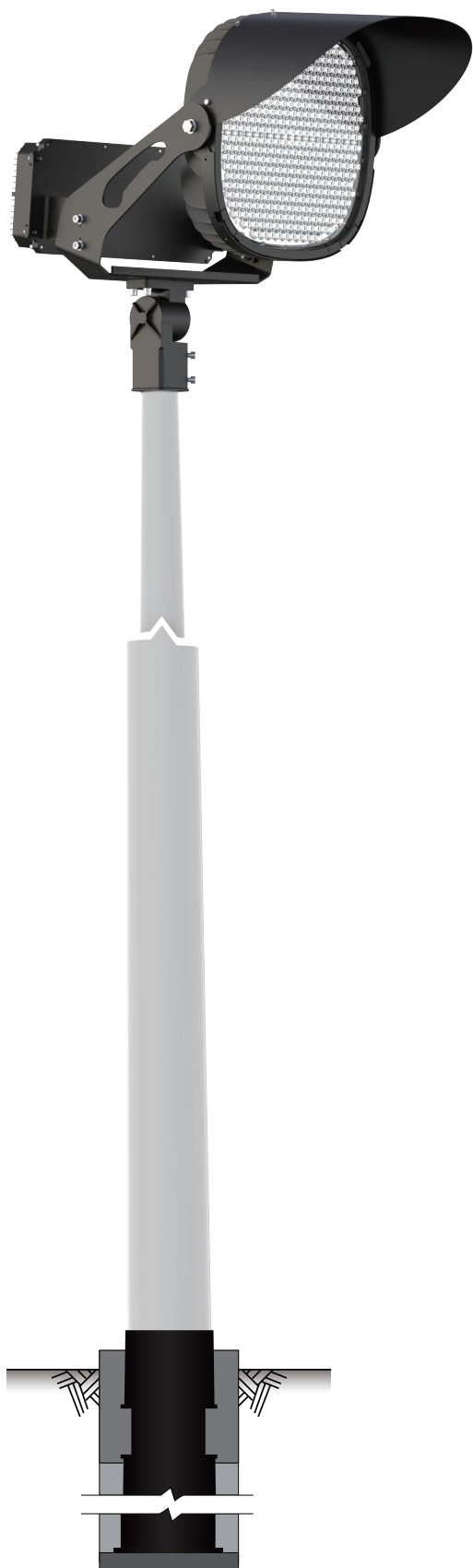


Light Head: TY = Top Yoke Mounting Attachment Method

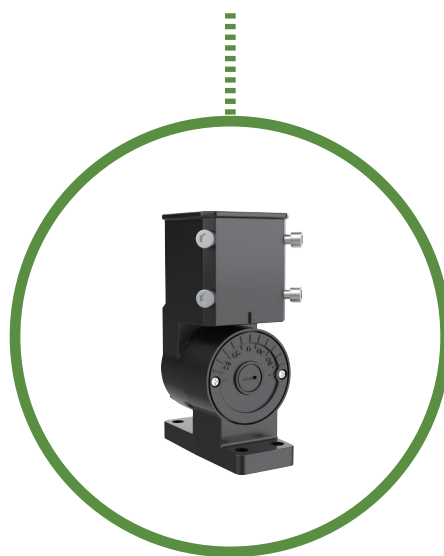


SP9.5-M LED Sports Lights

ADJUSTABLE INTEGRAL SLIP FITTER (OPTIONAL)



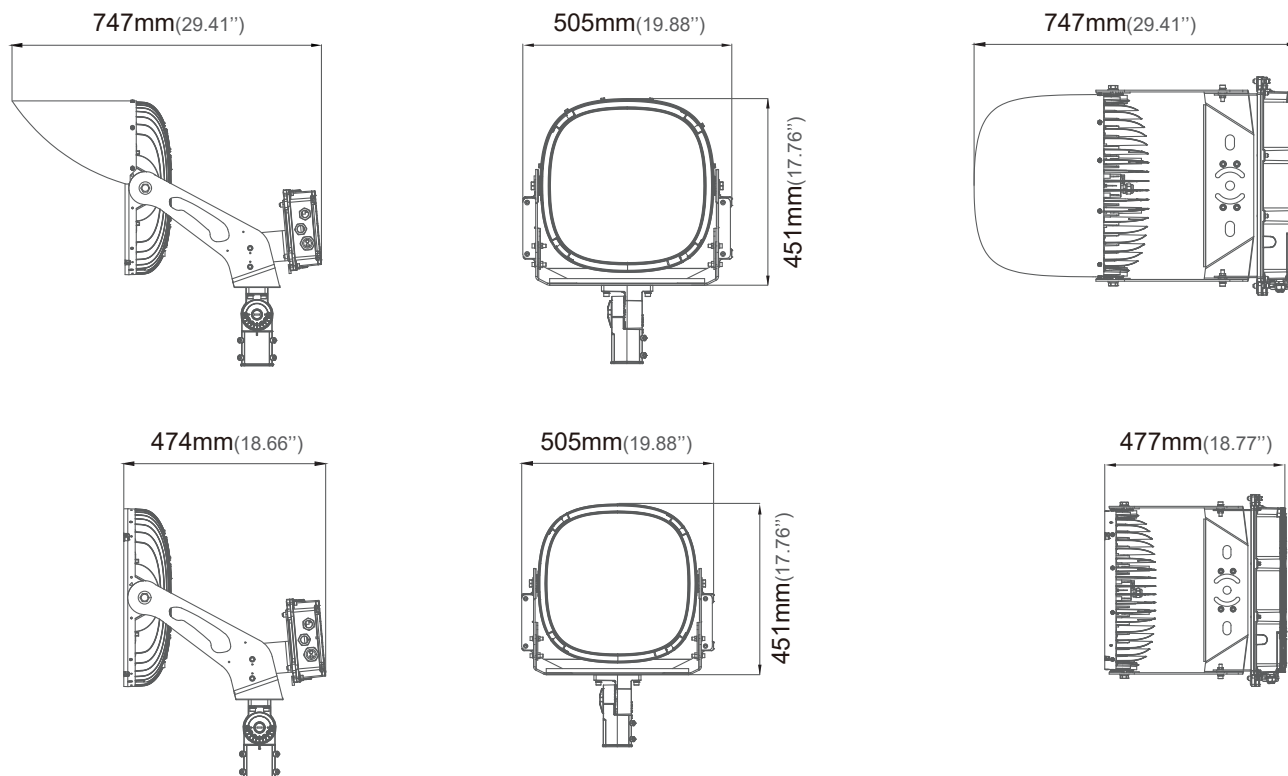
Adjustable Integral Slip Fitter



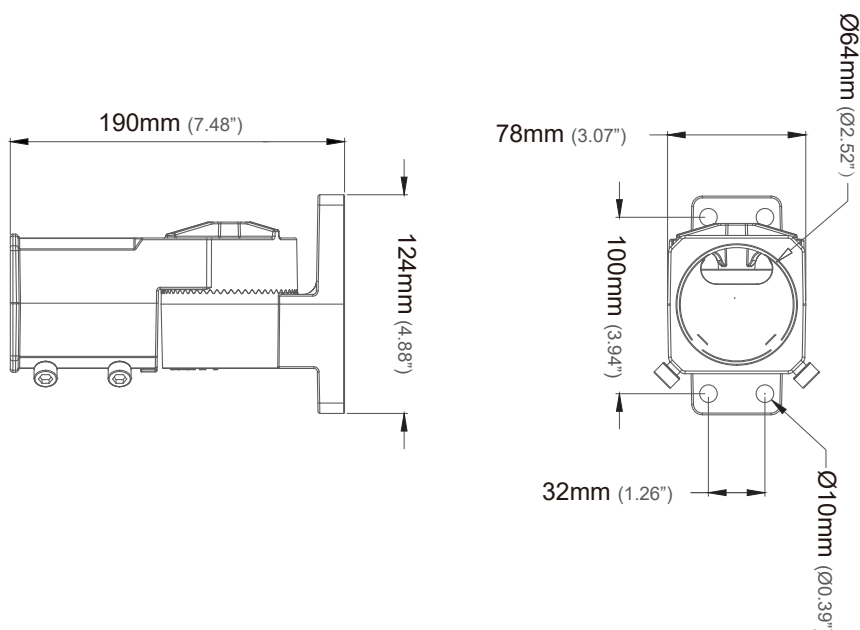
SP9.5-M LED Sports Lights

LIGHT HEAD WITH POWER BOX ATTACHED: DIMENSIONAL DETAILS

Light Head: SF = Adjustable Integral Slip Fitter Dimensional Details



Light Head: SF = Adjustable Integral Slip Fitter Mounting Detail



SP9.5-M LED Sports Lights

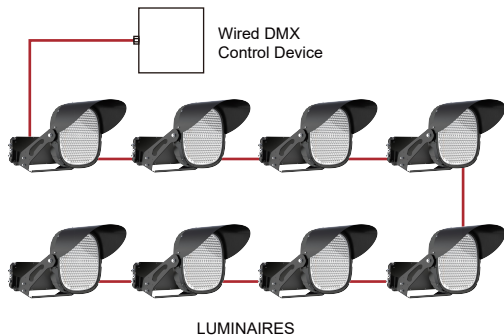
INTEGRATED CONTROLS

The fixture is compatible with Synapse™ wireless control system.
It offers a smart, stable and imaginative lighting control solution to your sports facility.



>DMX CONTROLS

Example System Topology
(Wired DMX Controls)



KEY
— RDM/DMX(BELDEN 9729 CABLE)



SP9.5-M LED Sports Lights

REMOTE SYSTEM & BENEFIT FEATURES



SP9.5-M light heads



Note:
Light Head example shown in a Top Mount Yoke
(TY = Top Mount Yoke) configuration for new remote
system installations.

Electrical components enclosure



Note:
1 qty. Electrical components enclosure can support 6 pcs.
SP9.5-M light heads.

Lowest Total Cost of Ownership in the Industry

- Modular system options to locate power, controls, and surge protection at the base of the pole for easy access.

Custom Controls

- Wired DMX or Wireless AirMesh controls options to suit your needs.

System Performance

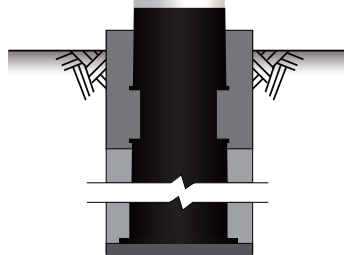
- Put the light exactly where you want it with our award-winning glare and cutoff control system.

System Reliability

- Industry leading light source reliability with SMD LEDs
- Greater than 80% lumen maintenance at @66,000 hrs.
- Exceeds the requirements of the HD Lighting Solutions rigorous product testing program that analyzes the performance and lifespan of the system with extensive focus on efficacy, thermal performance, ingress, vibration, and durability characteristics.

Easy Installation Assembly

- Two easy-to-install system components: the light head, the Electrical Components Enclosure.
- Reduce install time with pre-aimable single piece light head assembly.



ORDER INFORMATION

NOTE: A complete Remote System order requires a selection entry for:

- 1 LIGHT HEADS - SAMPLE ORDER NUMBER: **HD-SP9.5M-1000R-BLK-57-70-3L-BH3-TY-HEL-ST**
- 2 ELECTRICAL COMPONENTS ENCLOSURE-SAMPLE ORDER NUMBER: **HD-ECE-1000R-GRY-277-AM-2-ST**

1 LIGHT HEADS

Brand	Family	Model	Power Configuration	Color ¹	CCT	CRI
HD= Huadian Lighting	SP=Sport	9.5M	1000R= 1000W Remote Power	BLK = Black (Standard) GRY = Gray (Optional)	40 = 4000K 50 = 5000K 57 = 5700K	70 = 70 CRI

Optic ²	Light Head Cable (DC) ³	Light Head Mount ^{5 6}	Options	Special Options
2L = LENS NEMA 2 15 28 3L = LENS NEMA 3 20 43 4L = LENS NEMA 4 40 69 5L = LENS NEMA 5 60 89	BH3= 5ft, 3-pin	TY = Top Mount Yoke (Standard) QC = Quick Clamp (Sold Separately)	HE= No Visor, high efficiency Lens HCV= Extreme canoff visor	ST= Standard
Notes: (2) Optic = NEMA TYPE; BEAM ANGLE; FIELD ANGLE. Additional optical performance data within spec sheet.	Notes: (3) DC Cable connecting the light head to the electrical components enclosure.	Notes: (5) Light Head Mounts shipped assembled to Light Head (6) Installation type may vary with lighting design (7) QC = Quick Clamp is intended to be used to mount the light head to a 2 inch by 4 inch tubular crossarm.		

ELECTRICAL COMPONENTS ENCLOSURE

Brand	Family	Power Configuration	Color ¹	AC Input Voltage	Control	Light Heads	Special Options
HD= HD	ECE=ELECTRICAL COMPONENTS ENCLOSURES	1000R= 1000W Remote Power	GRY= Grey (Standard)	200= 200VAC 277= 277VAC 480= 480VAC (AC3 PHASE)	AM= Mesh Individual LB= Landburst (DMX) NC= No control Individual	1 = 1 qty Light Head 2 = 2 qty Light Heads	ST= Standard 15ft Cables ² XL= Extended 30ft Cables ²
			Notes: (1) Not coastal rated. Contact HD for coastal fixture options.				Notes: (2) 15ft standard for up to 1 ECE high. (3) 30ft supports for more than 2 ECE high.

	QUANTITY OF FIXTURES PER POLE											
HD-SP9.5-SERIES	1	2	3	4	5	6	7	8	9	10	11	12
ELECTRICAL COMPONENTS ENCLOSURE	1 ECE BOX						2 ECE BOX					

SP9.5-M LED Sports Lights

LIGHT HEAD OVERVIEW(WITH REMOTE POWER BOX)

Performance Data¹

SP9.5-M PRISM	1000W	750W
Lumen Output Range ²	150,000lm	112,500lm
Nominal Input Power ³	1000W	750W
Efficacy Range ²	150lm/ W	
CRI ⁴	80	
CCT Range	5000K	
Distribution (NEMA) ⁵	NEMA 3(20°)/ NEMA 4(30°,40°)	
Dimming Range	DIM TO OFF, 0-10V	
Operating Temperature Range	-40°C to +50°C	
Usage	INDOOR ⁶ , OUTDOOR ⁶	
Mounting Options (3G RATED)	TOP MOUNT YOKE QUICK CLAMP	
Electrical Certifications	UL8750, UL1598, DLC 6.0 (PREMIUM)	
Environmental Certifications	IP66	
Effective Projected Area (EPA) ⁷	1.92(sq. ft.)	
Approximate Weight ⁸	Light Head (With Visor) 35LBS Light Head (Without Visor) 33.46 LBS	Light Head (With Visor) 32.4 LBS Light Head (Without Visor) 30.86 LBS
	Remote Top Yoke + 9 LBS Quick Clamp Yoke + 15 LBS	

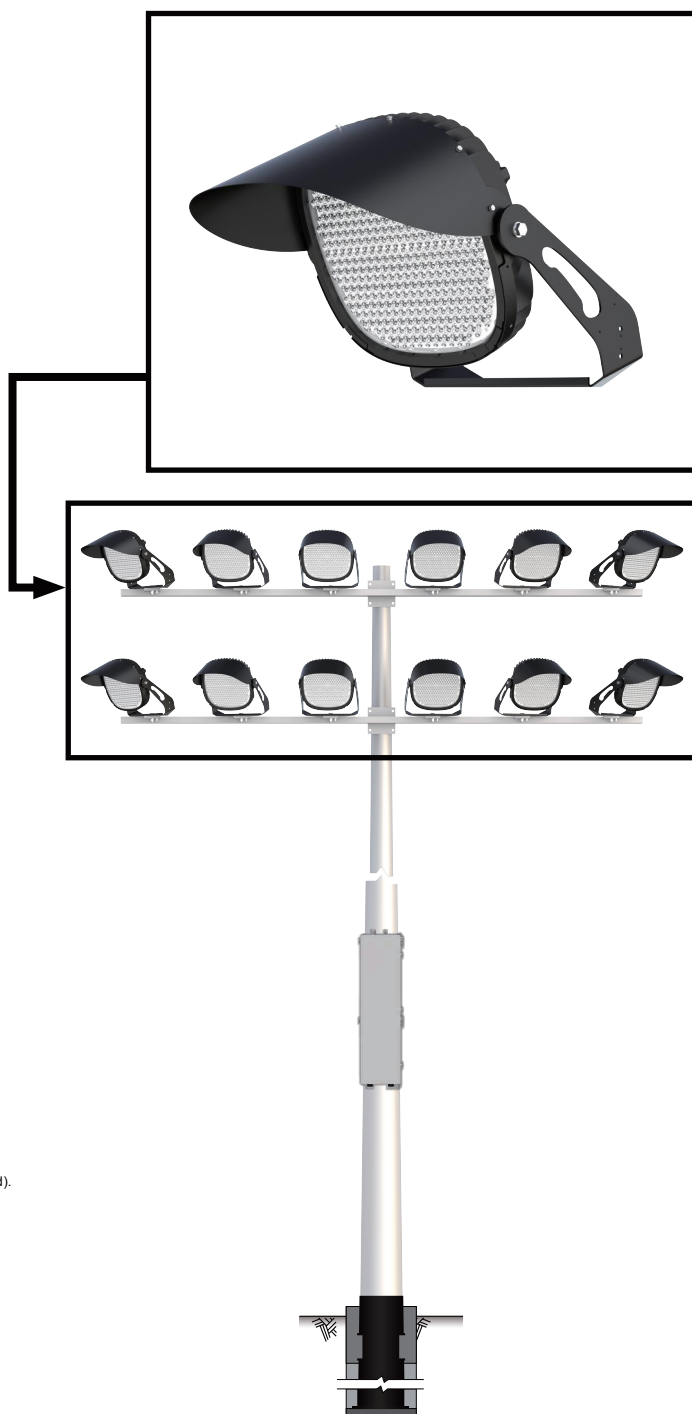
NOTES:

- (1) Specifications are subject to change without notice.
- (2) Refer to SP9.5-M Optical Performance Data.
- (3) Values are +/- 4% when fixture is operated at 25°C ambient.
- (4) Values are +/- 2%.
- (5) Optic = NEMA TYPE; BEAM ANGLE; FIELD ANGLE.
Additional optical performance data within spec sheet.
- (6) Indoor use limited to input voltages 200-480VAC.
- (7) EPA may vary depending on the aiming angle of the fixture.
- (8) Weight may vary depending on mounting bracket, no visor option or lighthouse configurations.

SP9.5 Light Head Electrical Specifications

Product	Drive Current	DC Voltage	Light Head Power
SP9.5-1000W	2.97 A	336 VDC	1000 W
SP9.5-800W	2.38 A	336 VDC	800 W

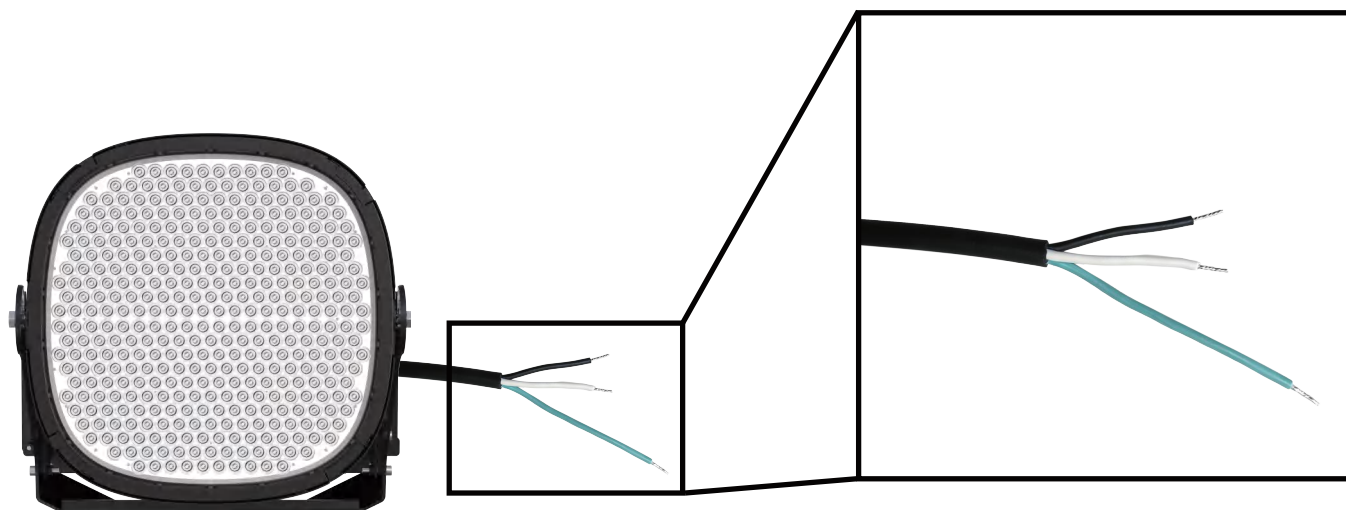
- * Light Head cannot be powered independently of the Electrical Components Enclosures.
- * 16 AWG, 600 V, 90°C or above rated cable is required. Rated and installed per electrical standard (contractor supplied).
- * 200ft Max separation from ECE.
- * Electrical System (Light Head) must be grounded per electrical standard.



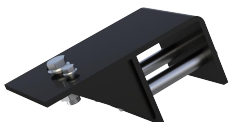
SP9.5-M LED Sports Lights

LIGHT HEAD: ELECTRICAL ATTACHMENT METHODS

C10 = 5 foot Cable Details

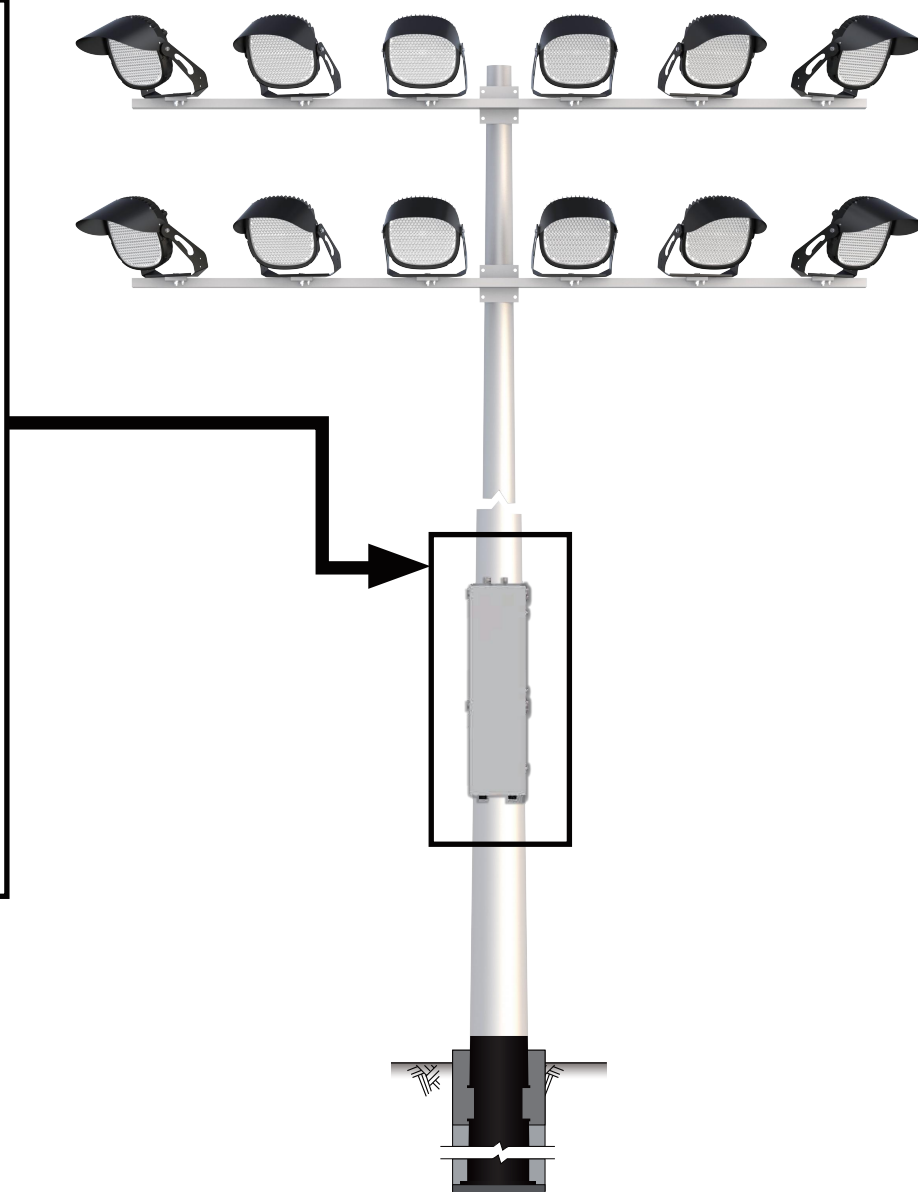


ACCESSORIES

 Visor	 Aiming Sight (Default)	 Adjustable Integral Slip Fitter
 Quick Clamp	 Anti-glare louver	 Diving Board
 Wireless Lighting Control		

SP9.5-M LED Sports Lights

ELECTRICAL COMPONENTS ENCLOSURE



Electrical Components Enclosure

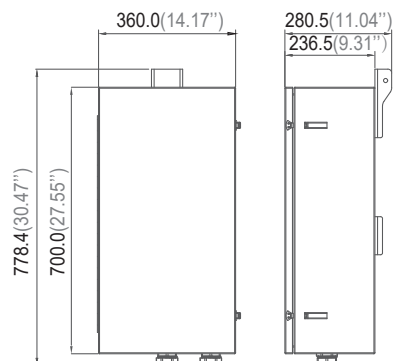
Product	Input Voltage	Surge Protection	Power Per Light Head	System Power (Light Heads)	Input Current (A)	Power Factor	THD	Inrush period (ms)	Peak Inrush (A)
HD-SP9.5-ECE-1000W	200-480VAC	10KV	1000W	2000W(2PCS)	10.6A (200 VAC) 9.2A (240 VAC) 7.9A (277 VAC) 6.3A (347 VAC) 4.6A (480 VAC)	0.97	<10%	0.14	70
				4000W(4PCS)	21.2A (200 VAC) 18.3A (240 VAC) 15.9A (277 VAC) 12.7A (347 VAC) 9.2A (480 VAC)				140
				6000W(6PCS)	31.7A (200 VAC) 27.5A (240 VAC) 23.8A (277 VAC) 19A (347 VAC) 13.8A (480 VAC)				210

NOTE: Measured at 25°C ambient.

SP9.5-M LED Sports Lights

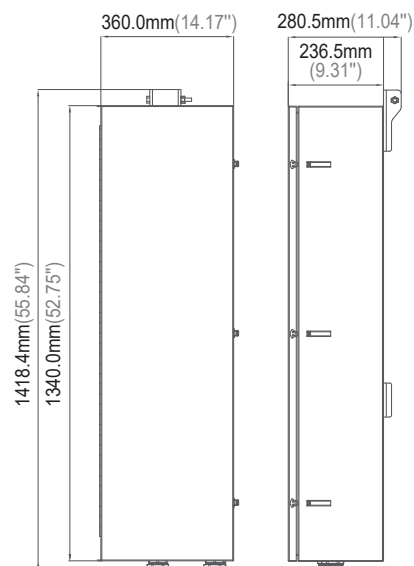
ELECTRICAL COMPONENTS ENCLOSURE SPECIFICATION DESCRIPTION

Dimensional drawing



Electric parameter

ID	Large power Electrical Components Enclosure(A)
Wattage	≤3000W
Input Voltage	Three-phase power
Power Frequency	50/60Hz
Fuse holder	Rated: 600V~, 15A, 50/60HZ
SPD	UC: 610V~, 20KA
Connector	Rated:1000V~, 76A
Switch	LE: 63A, 690V~, 50/60HZ
IP Rating	IPX4
External dimension	778.4*360*280.5mm(30.47**14.17**11.04")



ID	Large power Electrical Components Enclosure(B)
Wattage	≤6000W
Input Voltage	Three-phase power
Power Frequency	50/60Hz
Fuse holder	Rated: 600V~, 15A, 50/60HZ
SPD	UC: 610V~, 20KA
Connector	Rated:1000V~, 76A
Switch	LE: 63A, 690V~, 50/60HZ
IP Rating	IPX4
External dimension	1418.4*360*280.5mm(55.84**14.17**11.04")