



APTI
SPORT LIGHT SERIES

APTI SPORT LIGHT FEATURES & BENEFITS



01.HOUSING

- Die cast aluminum housing.
- Modular design allows for easy installation, replacement and maintenance.
- Slim & low profile design that minimizes wind load.
- IK08 rated.

02.FINISH

- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Standard colors: Grey, Black, Bronze and White.
- Customized colors are available.

03.LED & OPTICAL ASSEMBLY

- Each PCB are mounted with a TVS (Transient Voltage Suppressors) to protect the LEDs from voltage transients induced by lightning and other transient voltage events.
- High-uniformity LED optics are constructed of durable optical polycarbonate that is impact and UV resistant.
- The metal plate provides double protection for the LED light engine and prolongs LED optics life.
- Over 15 optical lenses are available for virtually any application.
- Each LED module are 100% tested prior to assembly which is IP67 rated.

04.MOUNTING

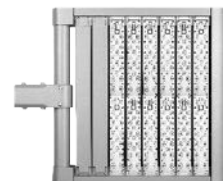
- Adjustable arm that mounts to a horizontal or vertical 2 3/8" (60mm) O.D. tenon. Tenon length must be a minimum of 4.72" (120mm).
- -60~+30 degree or -90~+0 degree of adjustment for leveling when horizontally mounted.

05.Electrical/ Key Components/ Controls

- 450/600/750/900W
- 120-277VAC and 347-480VAC available.
- Surge protection to 20kV/10kA per ANSI/IEEE C62.41.2-2002 available.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.

06.Product Certifications

- UL/ CUL/ DLC/ LM79/ SAA/ CB/ CE/ IK08/ RoHS
(Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org)



TECHNICAL PARAMETERS

Power	450-900W	IP Rating	IP67
Input	120-277VAC or 220-240VAC or 347-480 VAC	SPD	Optional
PF	>0.95	Certificate/Qualification	UL/ CUL/ DLC/ LM79/ SAA/ CB/ CE/ IK08/ RoHS
THD	<20%	DALI	Optional
L70/L90	>200,000H/>60,000H	1-10V	Optional
Operating Temperature	-40°C ~ +50°C	Photocell	Optional
Typical Efficacy	120-160lm/W	Smart Control	Optional
ANSI CCT	3000K/4000K/5000K/5700K	Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Min CRI	70* or 80 or 90	Color Options	Grey/Black/Bronze/White

* Standard

ORDERING INFORMATION

MODEL (Nominal Power)		MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
AF72XFLE450 450W	AF72XFLF450* 450W	L	T1M Type I Medium	30K 3045	★ BK Black (RAL:9011)	00 Not required	Bird Spike
AF72XFLE600 600W	AF72XFLF600* 600W		T2M Type II Medium	±175K		01 Photocell	10KA/20KA Surge Protection Device
AF72XFLE750 750W	AF72XFLF750* 750W		T3M Type III Medium	★ 40K 3985	GR Grey (RAL:7004)	02 Motion Sensor	Back Light Shield
AF72XFLE900 900W	AF72XFLF900* 900W		T3L Type III Long	±275K		03 Photocell + Motion Sensor	Safety Cable
			T4S Type IV Short	★ 50K 5028	BZ Bronze (RAL:8019)		
			T4M Type IV Medium	±283K	WH White (RAL:9010)	04 DALI	
			T5U Average beam angle 10°	57K 5665		05 1-10V dimming	
			T5V Average beam angle 25°	±355K			
			T5W Average beam angle 40°				
			T5S Average beam angle 60°				
			T5M Average beam angle 90°				
			T5L Average beam angle 120°				
			T5X Average beam angle 150°				
			T5D Diffuser				

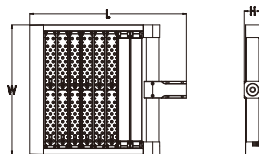
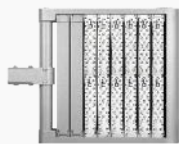
* DALI & Motion sensor unavailable

★ Regularly stocked item

● Example 1: AF72XFLE900-L-T5S-50K-GR-00

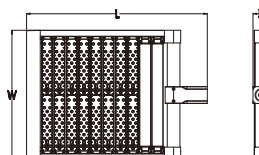
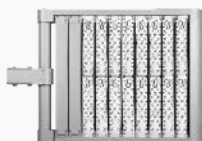
● Example 2: AF72XFLF750-L-T5U-50K-BK-05

PRODUCT MODEL



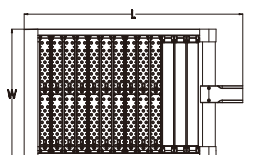
Model	AF72XFLE450-L/AF72XFLF450-L	Net Weight	18.39kg(40.54lbs)
LED Modules	6	Gross Weight	21.28kg(46.91lbs)
LEDs	216	Product Dimensions	766x634.5x70mm 30.16"x24.98"x2.76"
EPA(sq.ft.)	0.67	Carton Dimensions	833x730x170mm 32.80"x28.74"x6.69"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
AF72XFLE450-L	461W	120-277VAC	700mA	56012lm	62235lm	135
AF72XFLF450-L	461W	347-480VAC	700mA	56012lm	62235lm	135



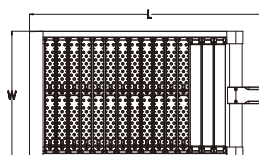
Model	AF72XFLE600-L/AF72XFLF600-L	Net Weight	22.00kg(48.50lbs)
LED Modules	8	Gross Weight	26.43kg(58.27lbs)
LEDs	288	Product Dimensions	885x634.5x70mm 34.84"x24.98"x2.76"
EPA(sq.ft.)	0.735	Carton Dimensions	953x730x170mm 37.52"x28.74"x6.69"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
AF72XFLE600-L	614W	120-277VAC	700mA	74601lm	82890lm	135
AF72XFLF600-L	614W	347-480VAC	700mA	74601lm	82890lm	135



Model	AF72XFLE750-L/AF72XFLF750-L	Net Weight	27.36kg(60.32lbs)
LED Modules	10	Gross Weight	30.00kg(66.14lbs)
LEDs	360	Product Dimensions	1065x634.5x70mm 41.93"x24.98"x2.76"
EPA(sq.ft.)	0.843	Carton Dimensions	1133x730x170mm 44.61"x28.74"x6.69"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
AF72XFLE750-L	769W	120-277VAC	700mA	93434lm	103815lm	135
AF72XFLF750-L	769W	347-480VAC	700mA	93434lm	103815lm	135



Model	AF72XFLE900-L/AF72XFLF900-L	Net Weight	29.90kg(65.92lbs)
LED Modules	12	Gross Weight	33.63kg(74.14lbs)
LEDs	432	Product Dimensions	1185x634.5x70mm 46.65"x24.98"x2.76"
EPA(sq.ft.)	0.919	Carton Dimensions	1253x730x170mm 49.33"x28.74"x6.69"

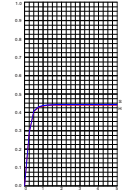
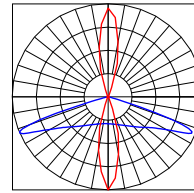
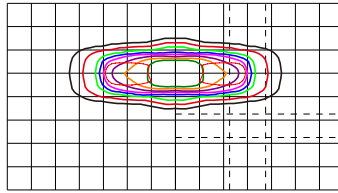
Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
AF72XFLE900-L	924W	120-277VAC	700mA	112266lm	124740lm	135
AF72XFLF900-L	924W	347-480VAC	700mA	112266lm	124740lm	135

ACCESSORIES OPTICS

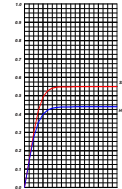
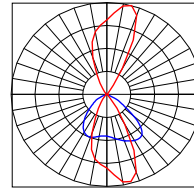
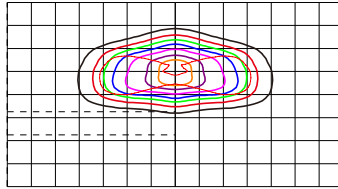
ISO Plot

Polar Curve

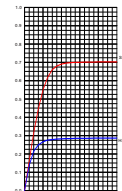
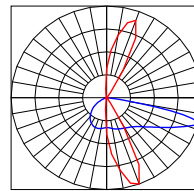
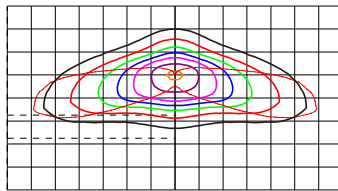
Cu Graph



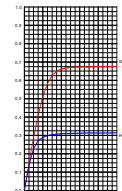
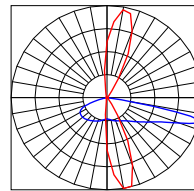
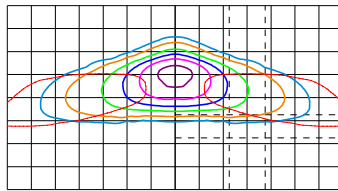
T1M Type I Medium



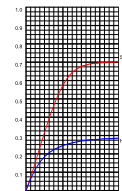
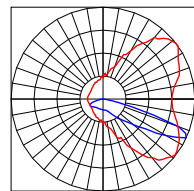
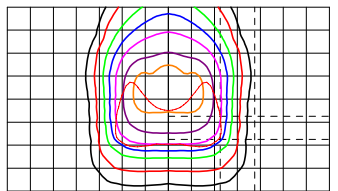
T2M Type II Medium



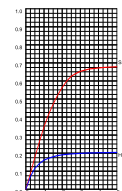
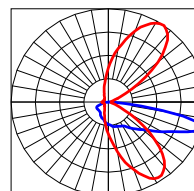
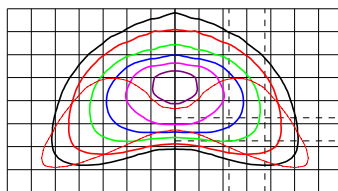
T3M Type III Medium



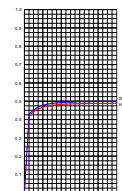
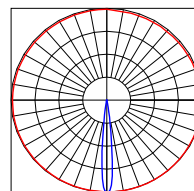
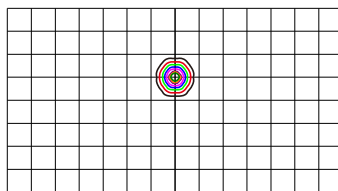
T3L Type III Long



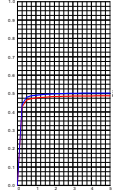
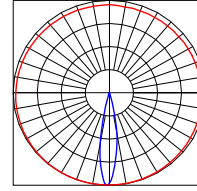
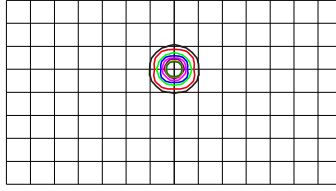
T4S Type IV Short



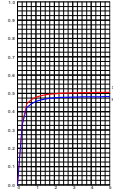
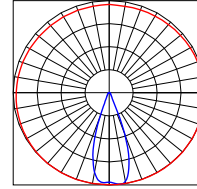
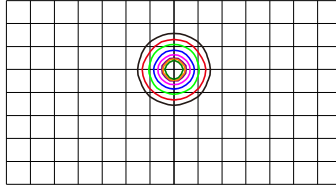
T4M Type IV Medium



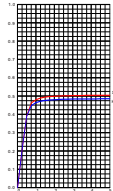
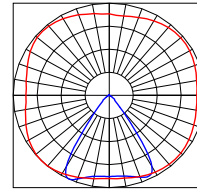
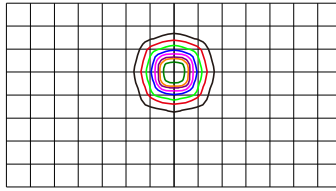
T5U Average beam angle 10°



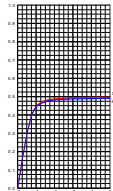
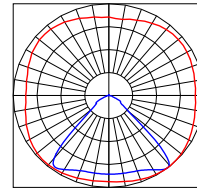
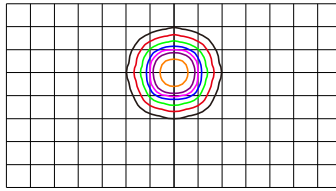
T5V Average beam angle 25°



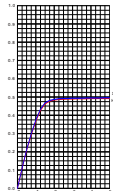
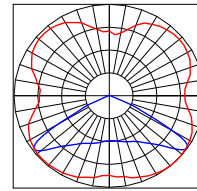
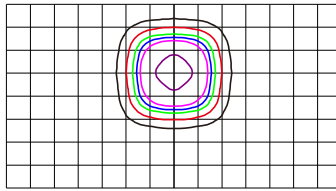
T5W Average beam angle 40°



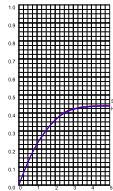
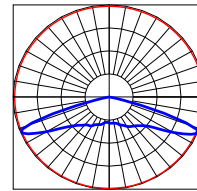
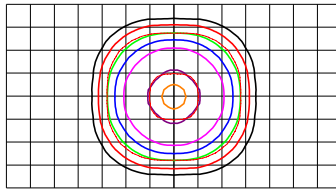
T5S Average beam angle 60°



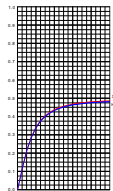
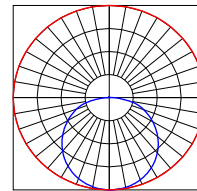
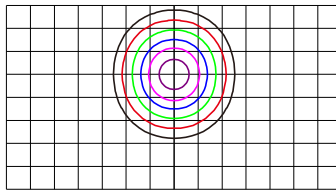
T5M Average beam angle 90°



T5L Average beam angle 120°



T5X Average beam angle 150°



T5D Diffuser