

AURORA-L SERIES 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 20 optical lenses are available for virtually any application.
- Each LED module are 100% tested prior to assembly which is IP67 rated.

04. MOUNTING

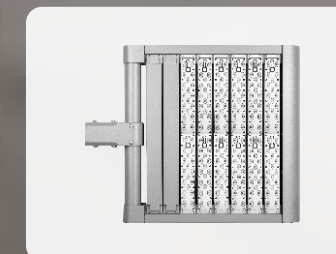
- Adjustable arm that mounts to a horizontal or vertical 2 3/8" (60mm) O.D. tenon. Tenon length must be a minimum of 4.72" (120mm).
- -60~+30 degree or -90~+0 degree of adjustment for leveling when horizontally mounted.

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

PRODUCT MODEL

Power	450-900W	IP Rating	IP65
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 II, Type III, Type IV, Type V
Min CRI	70* or 80 or 90	Color Options	Grey/Black/Bronze/White

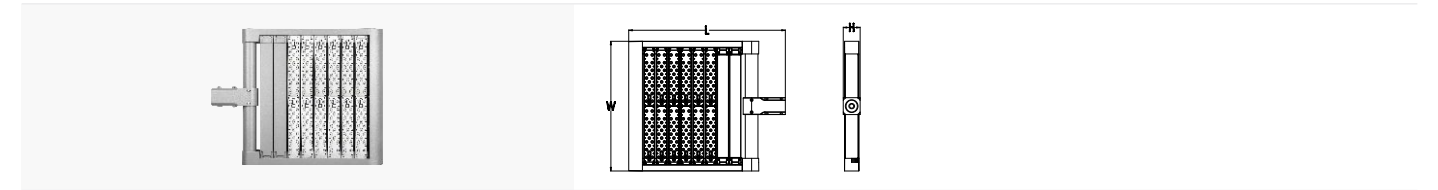
* Standard

ORDERING INFORMATION

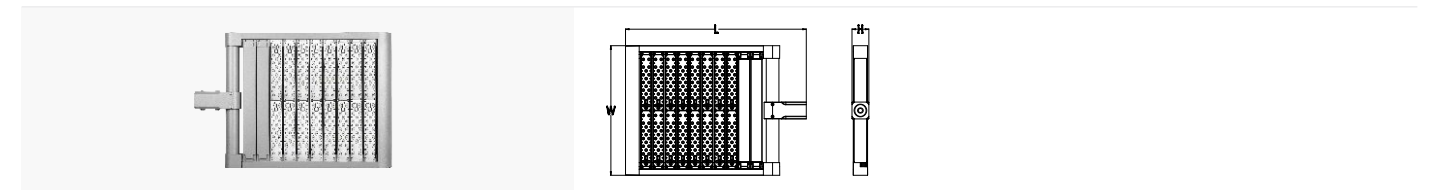
MODEL (Nominal Power)		MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
FLE450 450W	FLF450* 450W	L	T2M Type II Medium	30K 3045	BK Black (RAL:9011)	00 Not required	Bird Spike
FLE600 600W	FLF600* 600W		T3M Type III Medium	±175K		01 Photocell	10KA/20KA Surge Protection Device
FLE750 750W	FLF750* 750W		T3L Type III Long	★ 40K 3985	GR Grey (RAL:7004)	02 Motion Sensor	Back Light Shield
FLE900 900W	FLF900* 900W		T4S Type IV Short	±275K	BZ Bronze (RAL:8019)	03 Photocell + Motion Sensor	Safety Cable
			T4M Type IV Medium	★ 50K 5028		04 DALI	
			T5U Average beam angle 10°	±283K		05 1-10V dimming	
			T5V Average beam angle 25°	5665			
			T5W Average beam angle 40°	±355K			
			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

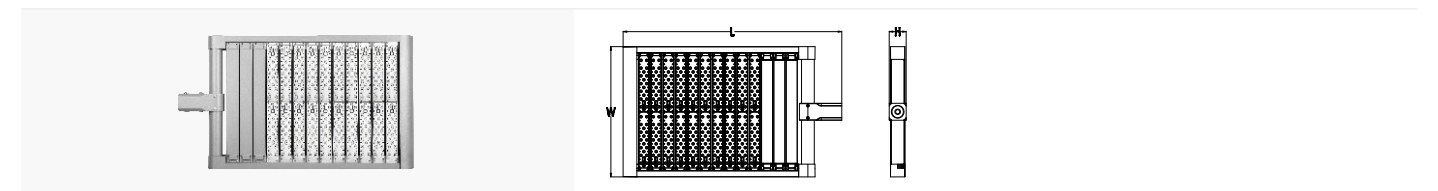
- Example 1: FLE900-L-T5S-50K-GR-00
- Example 2: FLF750-L-T5U-50K-BK-05



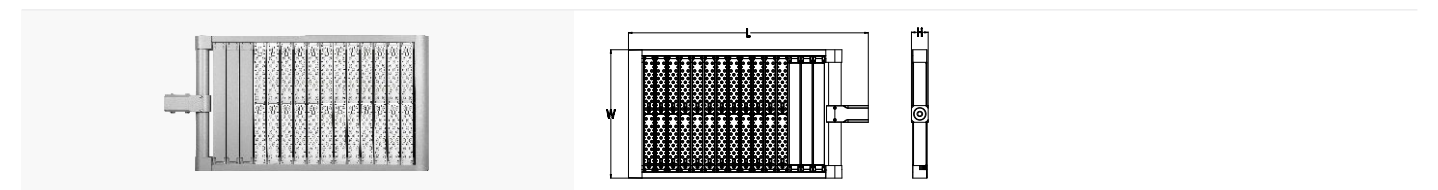
Model	FLE450-L/FLF450-L	Net Weight	18.39kg(40.54lbs)	Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
LED Modules	6	Gross Weight	21.28kg(46.91lbs)	FLE450-L	461W	120-277VAC	700mA	3000K	4000/5000K	135
LEDs	216	Product Dimensions	30.16"x24.98"x2.76"	FLF450-L	461W	347-480VAC	700mA	56012lm	62235lm	135
EPA(sq.ft.)	0.67	Carton Dimensions	32.80"x28.74"x6.69"							



Model	FLE600-L/FLF600-L	Net Weight	22.00kg(48.50lbs)	Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
LED Modules	8	Gross Weight	26.43kg(58.27lbs)	FLE600-L	614W	120-277VAC	700mA	3000K	4000/5000K	135
LEDs	288	Product Dimensions	34.84"x24.98"x2.76"	FLF600-L	614W	347-480VAC	700mA	74601lm	82890lm	135
EPA(sq.ft.)	0.735	Carton Dimensions	37.52"x28.74"x6.69"							



Model	FLE750-L/FLF750-L	Net Weight	27.36kg(60.32lbs)	Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
LED Modules	10	Gross Weight	30.00kg(66.14lbs)	FLE750-L	769W	120-277VAC	700mA	3000K	4000/5000K	135
LEDs	360	Product Dimensions	41.93"x24.98"x2.76"	FLF750-L	769W	347-480VAC	700mA	93434lm	103815lm	135
EPA(sq.ft.)	0.843	Carton Dimensions	44.61"x28.74"x6.69"							

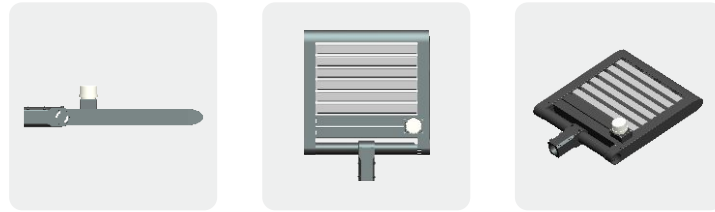


Model	FLE900-L/FLF900-L	Net Weight	29.90kg(65.92lbs)	Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
LED Modules	12	Gross Weight	33.63kg(74.14lbs)	FLE900-L	924W	120-277VAC	700mA	3000K	4000/5000K	135
LEDs	432	Product Dimensions	46.65"x24.98"x2.76"	FLF900-L	924W	347-480VAC	700mA	112266lm	124740lm	135
EPA(sq.ft.)	0.919	Carton Dimensions	49.33"x28.74"x6.69"							

CUSTOMIZED SOLUTIONS



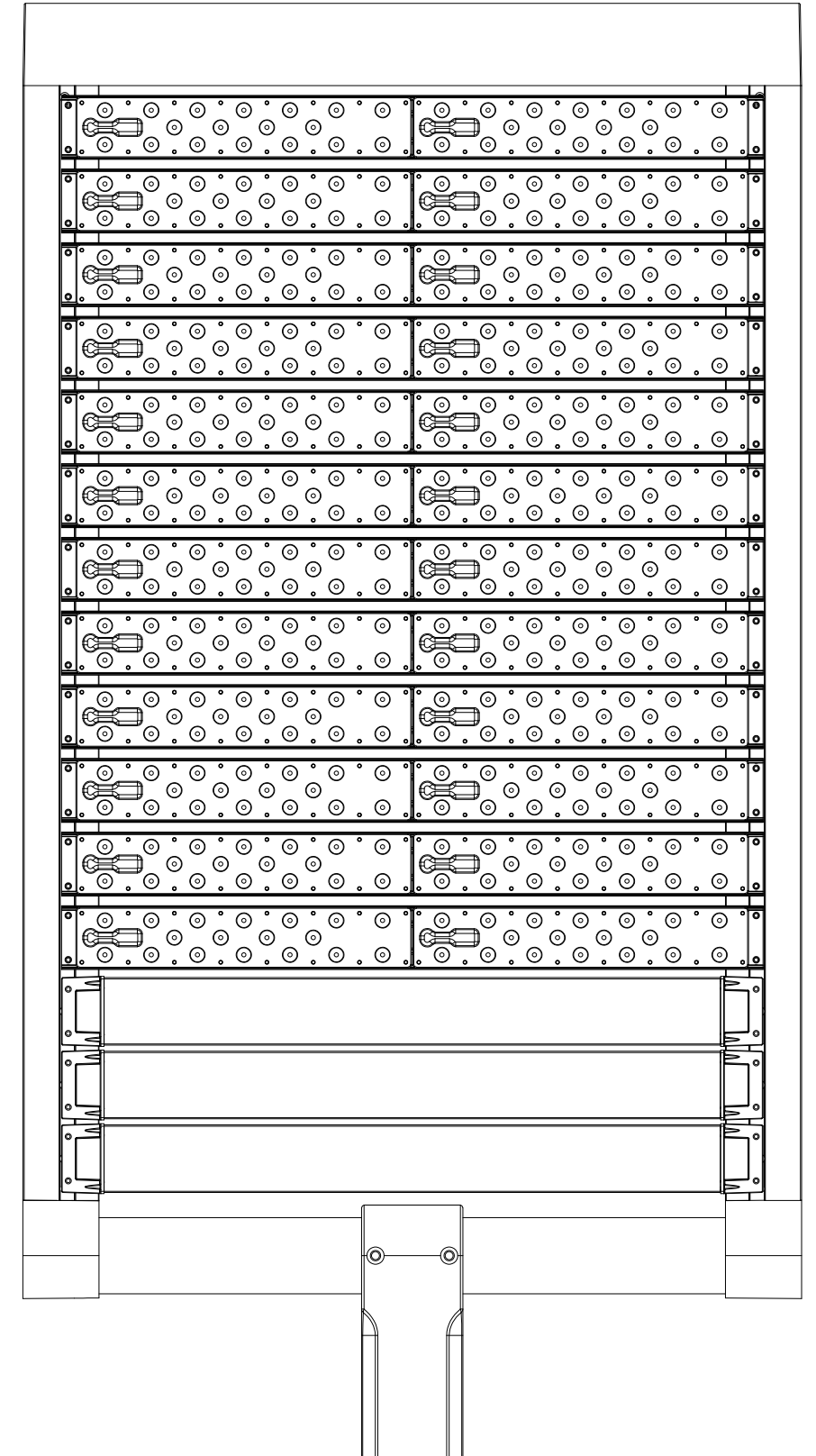
01.3/5/7 -pin NEMA Receptacle+Shorting Cap/Photocell



02. Separate Driver Module



03. Backlight Shield

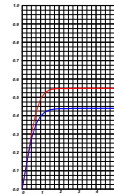
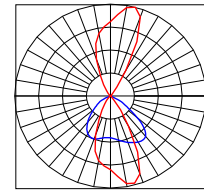
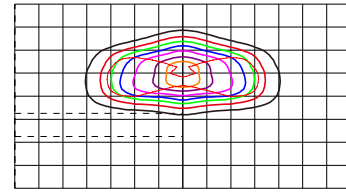


ACCESSORIES OPTICS

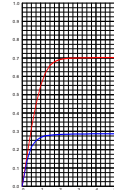
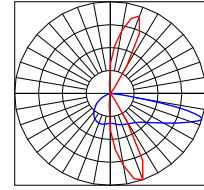
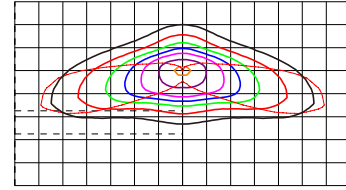
ISO Plot

Polar Curve

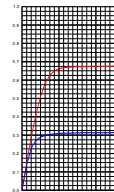
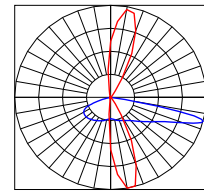
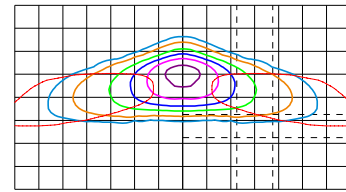
Cu Graph



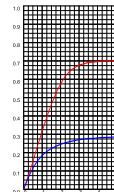
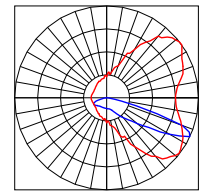
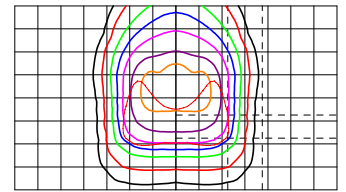
T2M Type II Medium



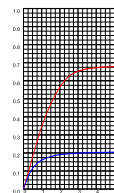
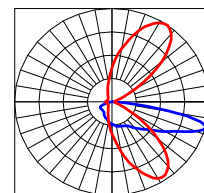
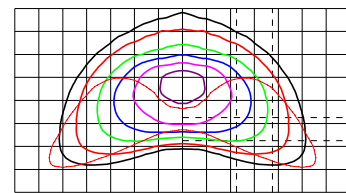
T3M Type III Medium



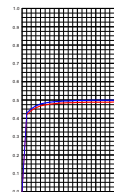
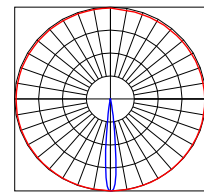
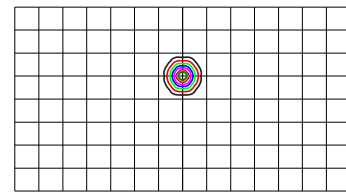
T3L Type III Long



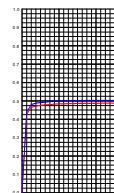
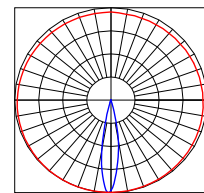
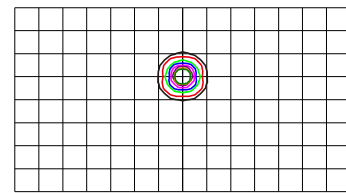
T4S Type IV Short



T4M Type IV Medium



T5U Average beam angle 10°

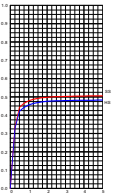
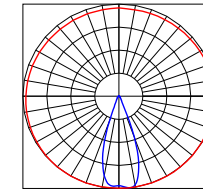
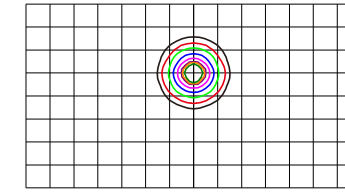


T5V Average beam angle 25°

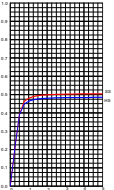
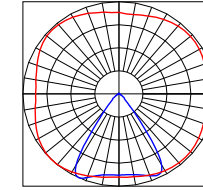
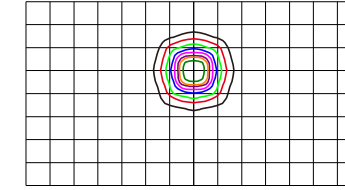
ISO Plot

Polar Curve

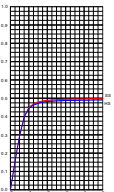
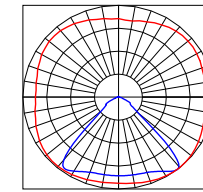
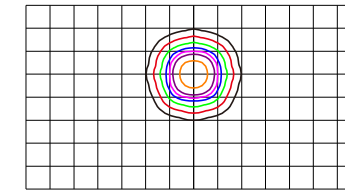
Cu Graph



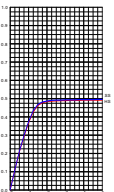
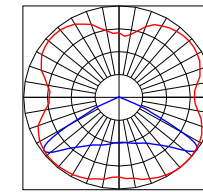
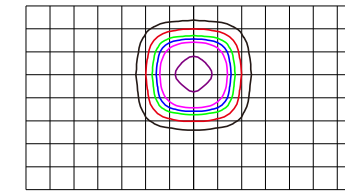
T5W Average beam angle 40°



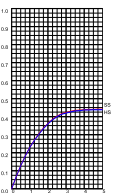
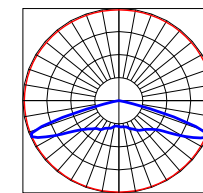
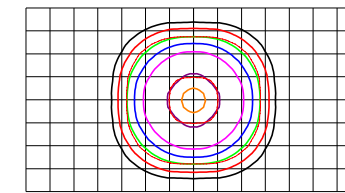
T5S Average beam angle 60°



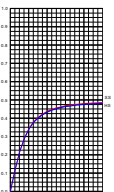
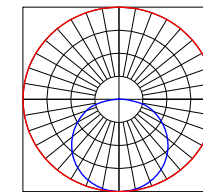
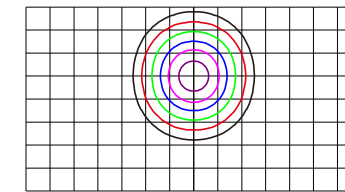
T5M Average beam angle 90°



T5L Average beam angle 120°



T5X Average beam angle 150°



T5D Diffuser