



FLOOD LIGHT/AREA LIGHT

AURORA-U/AURORA-L SERIES

2018 V2

AURORA-U 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 15 optical lenses are available for virtually any application.
- Each LED module are 100% tested prior to assembly which is IP67 rated.

04.MOUNTING

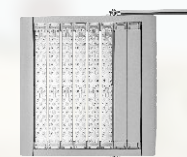
- The trunnion mount bracket allows for great mounting flexibility.

05.Electrical/ Key Components/ Controls

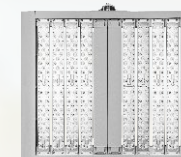
- 450/600/750/900W
- 120-277VAC and 347-480VAC available.
- Surge protection to 20kV/10kA per ANSI/IEEE C62.41.2-2002 available.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.

06.Product Certifications

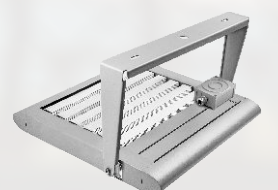
- UL/ CUL/ DLC/ LM79/ SAA/ CB/ CE/ RoHS/ IK08
(Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org)



UP customized option is optional:
Customized offset bracket mount



UM customized option is optional:
The power is installed in the middle



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/ RoHS/ IK08
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

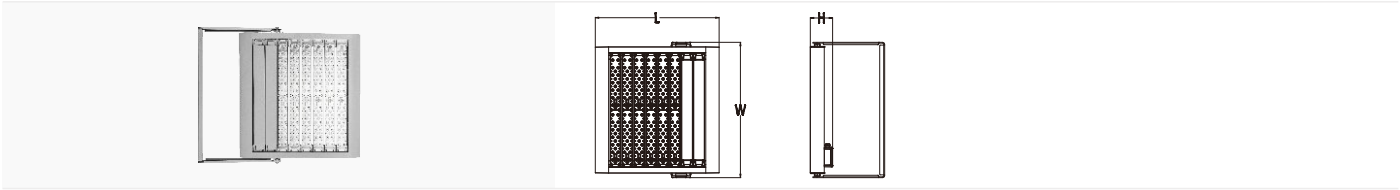
ORDERING
INFORMATION

MODEL (Nominal Power)		MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
FLD450 450W	FLG450* 450W	U	T1M Type I Medium	30K 3045	★ BK Black (RAL:9011)	00 Not required	Bird Spike
FLD600 600W	FLG600* 600W	※ UM	T2M Type II Medium	±175K		01 Photocell	10KA/20KA Surge Protection Device
FLD750 750W	FLG750* 750W		T3M Type III Medium	★ 40K 3985	GR Grey (RAL:7004)	02 Motion Sensor	Back Light Shield
FLD900 900W	FLG900* 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°	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				

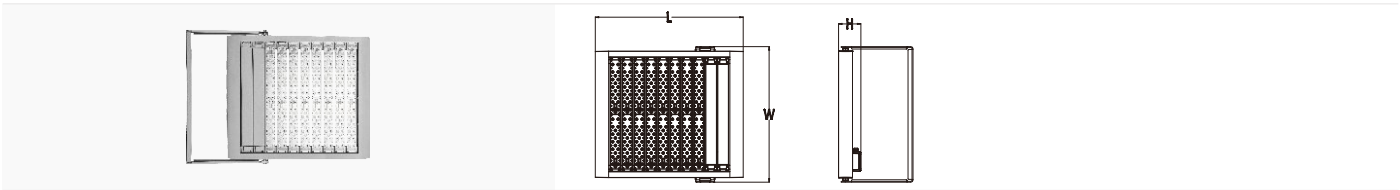
- * DALI & Motion sensor unavailable
★ Regularly stocked item
※ Customization is available

- Example 1: FLD900-U-T5S-50K-GR-00
● Example 2: FLG750-U-T5U-50K-BK-05

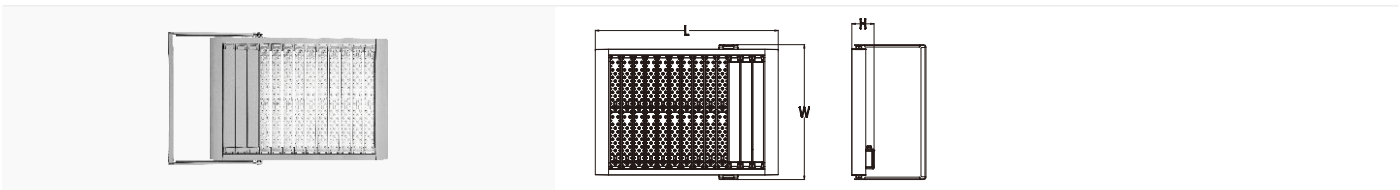
PRODUCT
MODEL



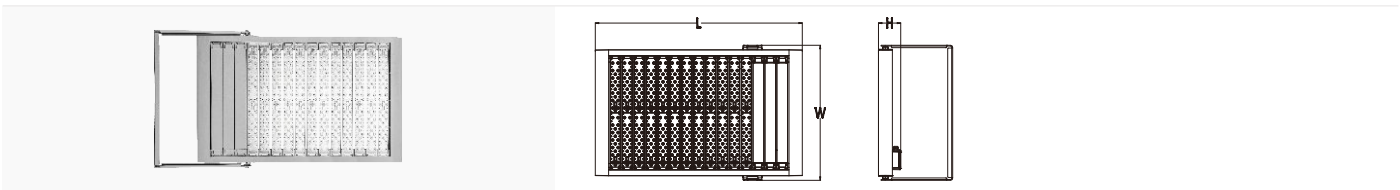
Model	FLD450-U/FLG450-U	Net Weight	19.96kg(44.00lbs)	Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy
LED Modules	6	Gross Weight	22.20kg(48.94lbs)	FLD450-U	463W	120-277VAC	700mA	3000K	4000 / 5000K	(lm/W)
LEDs	216	Product Dimensions	622x680x112mm 24.49"x26.77"x4.41"	FLG450-U	463W	347-480VAC	700mA	56255lm	62505lm	135
EPA(sq.ft.)	0.721	Carton Dimensions	750x730x170mm 29.53"x28.74"x6.69"					56255lm	62505lm	135



Model	FLD600-U/FLG600-U	Net Weight	23.06kg(50.84lbs)	Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy
LED Modules	8	Gross Weight	24.93kg(54.96lbs)	FLD600-U	615W	120-277VAC	700mA	3000K	4000 / 5000K	(lm/W)
LEDs	288	Product Dimensions	742x680x112mm 29.21"x26.77"x4.41"	FLG600-U	615W	347-480VAC	700mA	74723lm	83025lm	135
EPA(sq.ft.)	0.787	Carton Dimensions	870x730x170mm 34.25"x28.74"x6.69"					74723lm	83025lm	135



Model	FLD750-U/FLG750-U	Net Weight	27.5kg(60.63lbs)	Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy
LED Modules	10	Gross Weight	29.9kg(65.92lbs)	FLD750-U	770W	120-277VAC	700mA	3000K	4000 / 5000K	(lm/W)
LEDs	360	Product Dimensions	922x680x112mm 36.30"x26.77"x4.41"	FLG750-U	770W	347-480VAC	700mA	93555lm	103950lm	135
EPA(sq.ft.)	0.894	Carton Dimensions	1050x730x170mm 41.34"x28.74"x6.69"					93555lm	103950lm	135

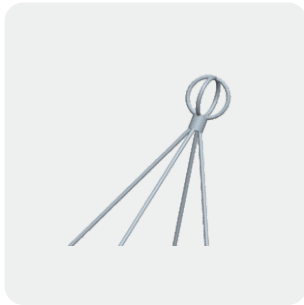
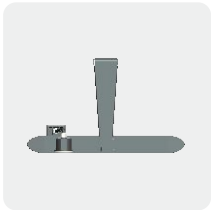


Model	FLD900-U/FLG900-U	Net Weight	30.98kg(68.30lbs)	Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy
LED Modules	12	Gross Weight	34.80kg(76.72lbs)	FLD900-U	924W	120-277VAC	700mA	3000K	4000 / 5000K	(lm/W)
LEDs	432	Product Dimensions	1042x680x112mm 41.02"x26.77"x4.41"	FLG900-U	924W	347-480VAC	700mA	112266lm	124740lm	135
EPA(sq.ft.)	0.971	Carton Dimensions	1170x730x170mm 46.06"x28.74"x6.69"					112266lm	124740lm	135

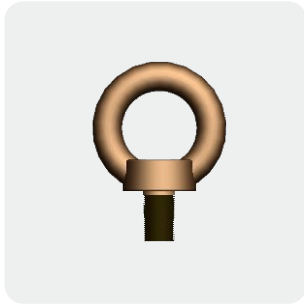
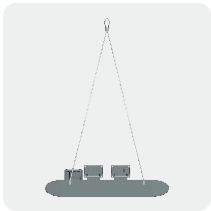
CUSTOMIZED SOLUTIONS



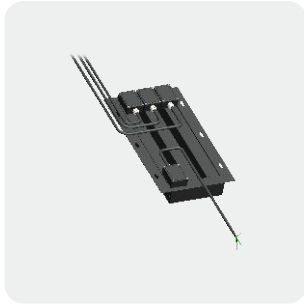
01.Motion Sensor



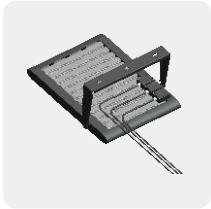
02.Steel suspension cable



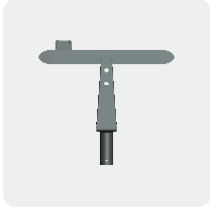
03.Suspension Rings



04.Separate Driver Module



05.Garden Light

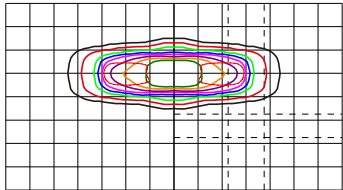
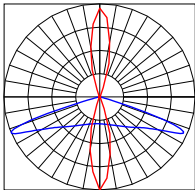
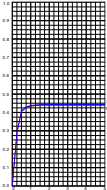
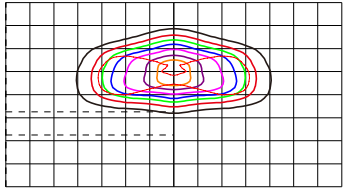
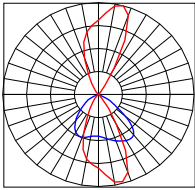
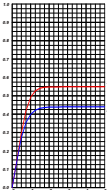
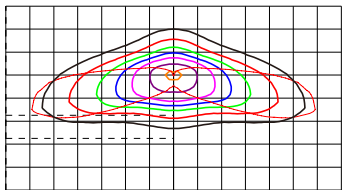
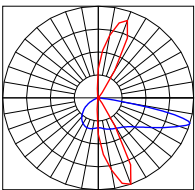
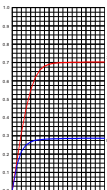
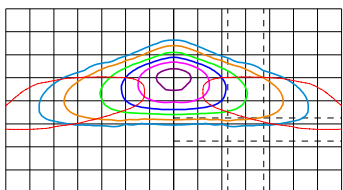
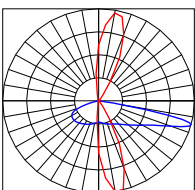
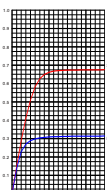
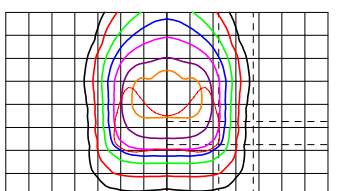
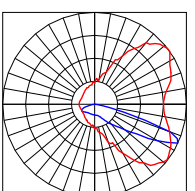
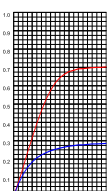
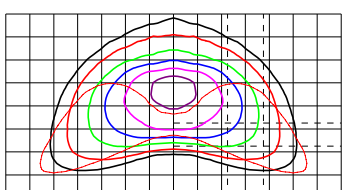
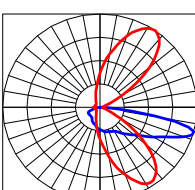
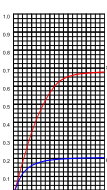
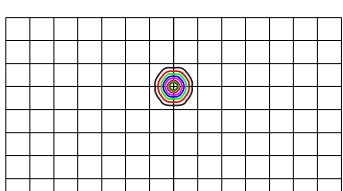
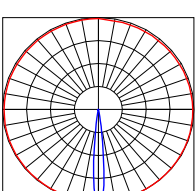
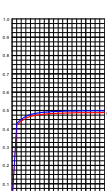


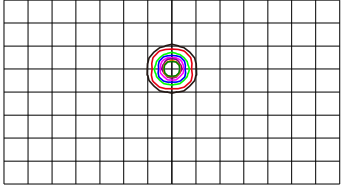
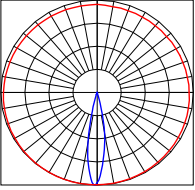
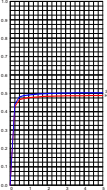
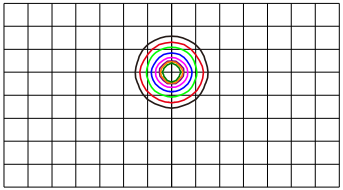
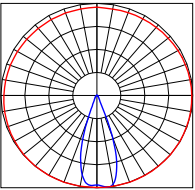
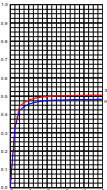
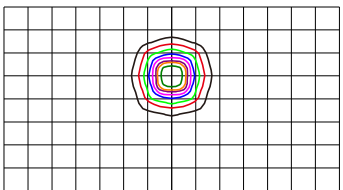
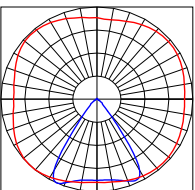
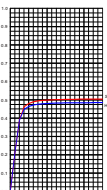
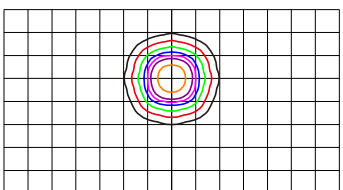
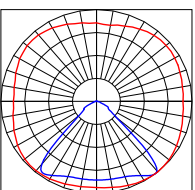
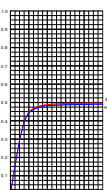
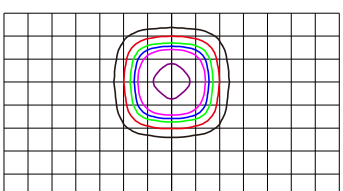
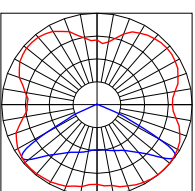
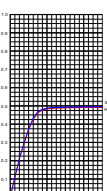
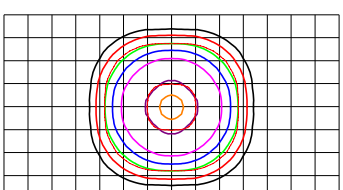
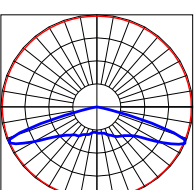
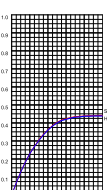
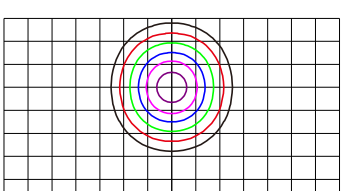
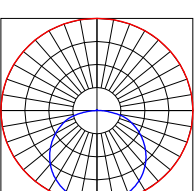
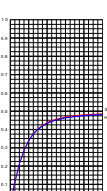
06.Bird Spike



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°		

	ISO Plot	Polar Curve	Cu Graph
			
	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		

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.

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- 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

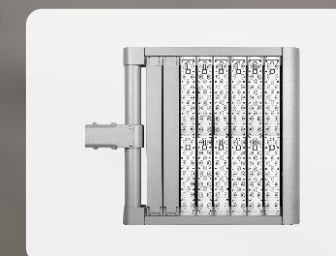
- Adjustable arm that mounts to a horizontal or vertical 2 3/8" (60mm) O.D. tenon. Tenon length must be a minimum of 4.72" (120mm).
- -60~+30 degree or -90~+0 degree of adjustment for leveling when horizontally mounted.

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

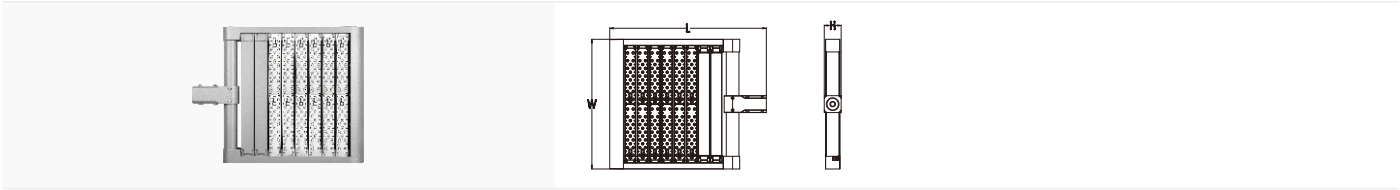
ORDERING
INFORMATION

MODEL (Nominal Power)		MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
FLE450 450W	FLF450* 450W	L	T1M Type I Medium	30K 3045	★ BK Black (RAL:9011)	00 Not required	Bird Spike
FLE600 600W	FLF600* 600W		T2M Type II Medium	±175K		01 Photocell	10KA/20KA Surge Protection Device
FLE750 750W	FLF750* 750W		T3M Type III Medium	★ 40K 3985	GR Grey (RAL:7004)	02 Motion Sensor	Back Light Shield
FLE900 900W	FLF900* 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°	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				

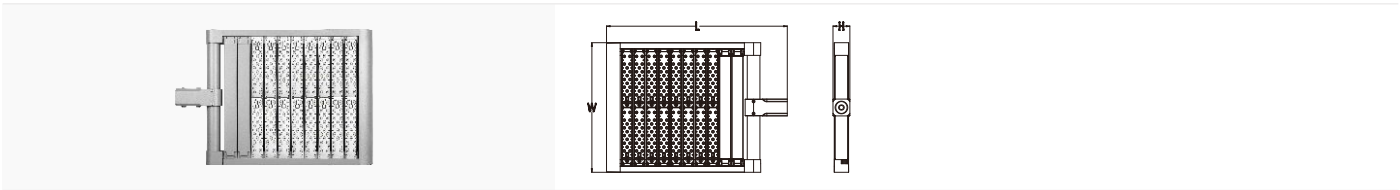
- * DALI & Motion sensor unavailable
★ Regularly stocked item

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

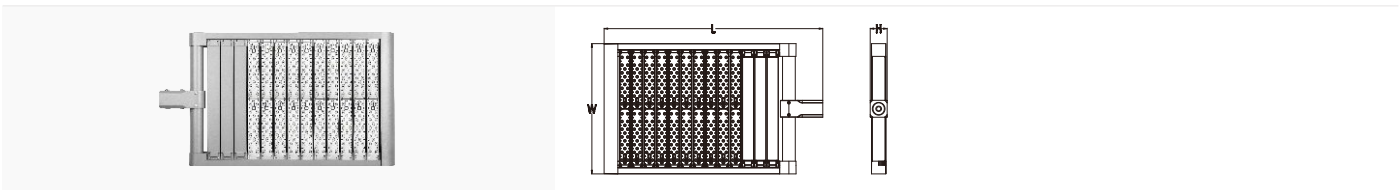
PRODUCT
MODEL



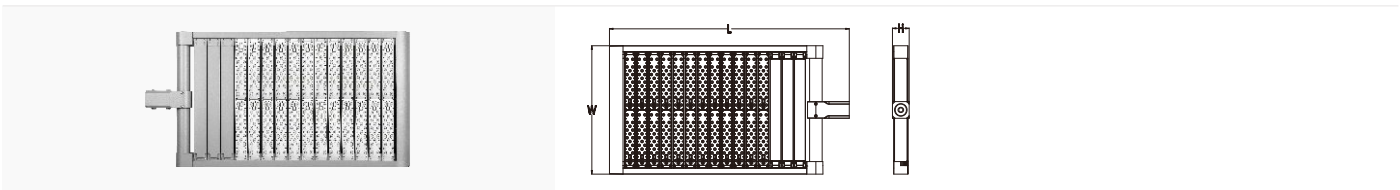
Model	FLE450-L/FLF450-L	Net Weight	18.39kg(40.54lbs)	Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
LED Modules	6	Gross Weight	21.28kg(46.91lbs)	FLE450-L	461W	120-277VAC	700mA	3000K	4000 /5000K	135
LEDs	216	Product Dimensions	766x634.5x70mm 30.16"x24.98"x2.76"	FLF450-L	461W	347-480VAC	700mA	56012lm	62235lm	135
EPA(sq.ft.)	0.67	Carton Dimensions	833x730x170mm 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	885x634.5x70mm 34.84"x24.98"x2.76"	FLF600-L	614W	347-480VAC	700mA	74601lm	82890lm	135
EPA(sq.ft.)	0.735	Carton Dimensions	953x730x170mm 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	1065x634.5x70mm 41.93"x24.98"x2.76"	FLF750-L	769W	347-480VAC	700mA	93434lm	103815lm	135
EPA(sq.ft.)	0.843	Carton Dimensions	1133x730x170mm 44.61"x28.74"x6.69"							

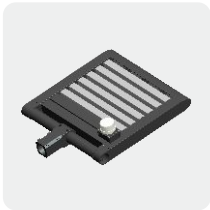
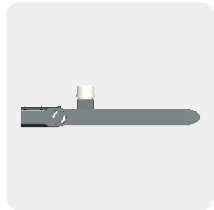


Model	FLE900-L/FLF900-L	Net Weight	29.90kg(65.92lbs)	Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
LED Modules	12	Gross Weight	33.63kg(74.14lbs)	FLE900-L	924W	120-277VAC	700mA	3000K	4000 /5000K	135
LEDs	432	Product Dimensions	1185x634.5x70mm 46.65"x24.98"x2.76"	FLF900-L	924W	347-480VAC	700mA	112266lm	124740lm	135
EPA(sq.ft.)	0.919	Carton Dimensions	1253x730x170mm 49.33"x28.74"x6.69"							

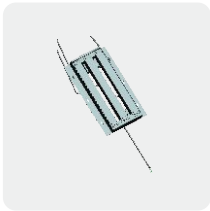
CUSTOMIZED SOLUTIONS



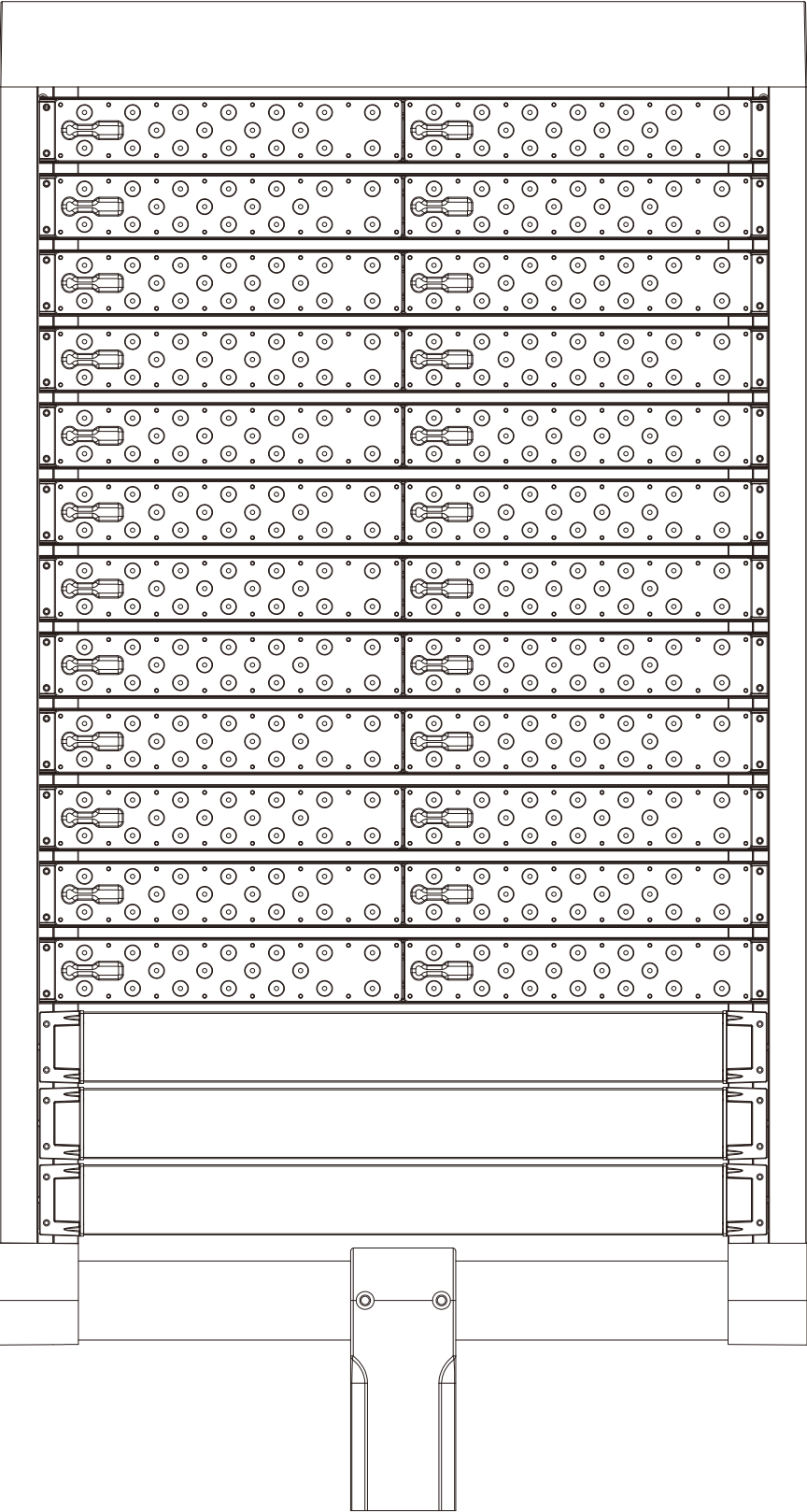
01.3/5/7 -pin NEMA Receptacle+Shorting Cap/Photocell



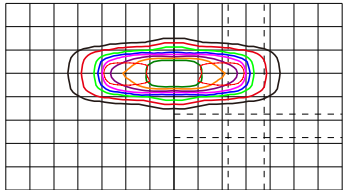
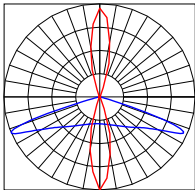
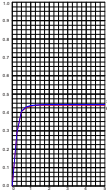
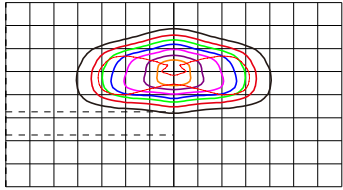
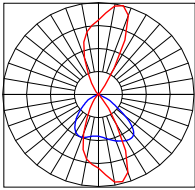
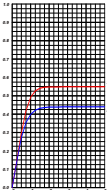
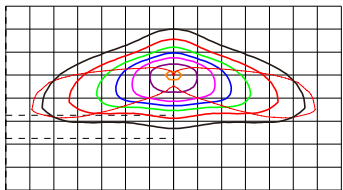
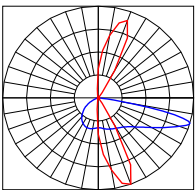
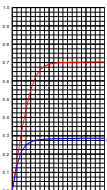
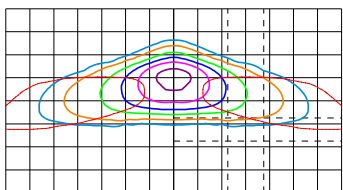
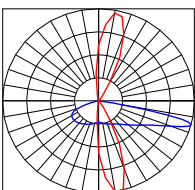
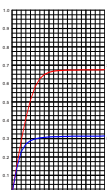
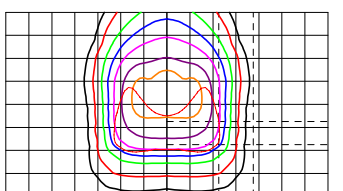
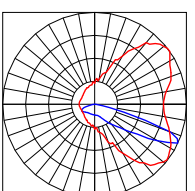
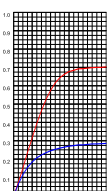
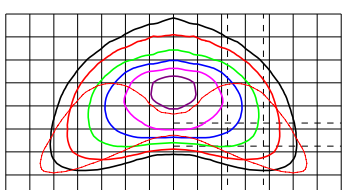
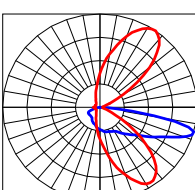
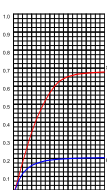
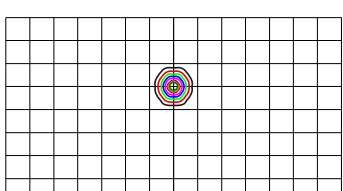
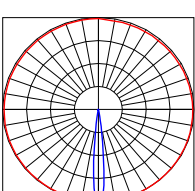
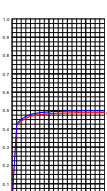
02. Separate Driver Module

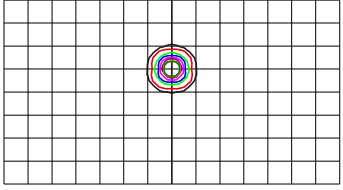
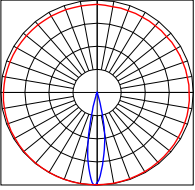
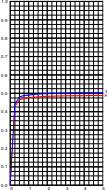
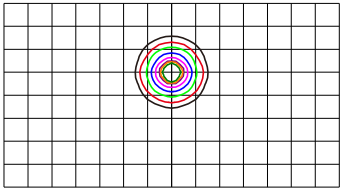
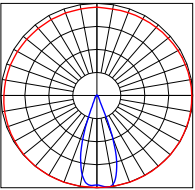
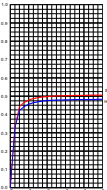
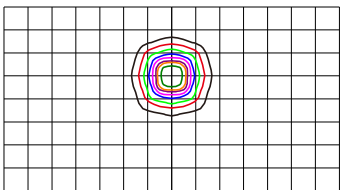
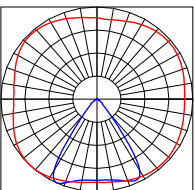
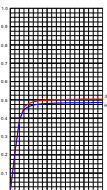
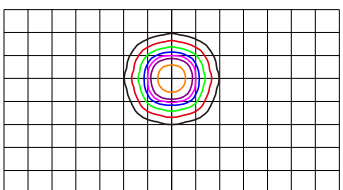
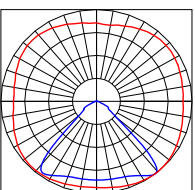
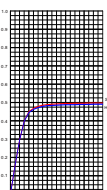
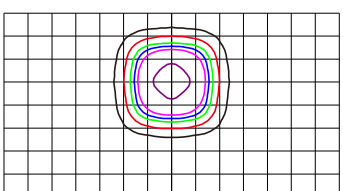
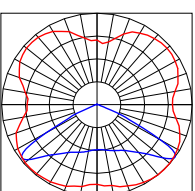
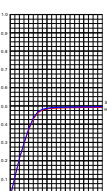
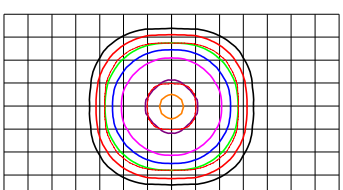
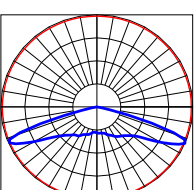
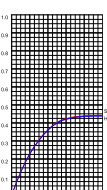
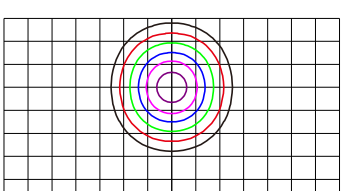
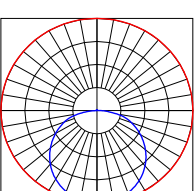
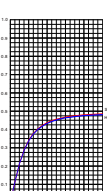


03. Backlight Shield



ACCESSORIES OPTICS

	ISO Plot	Polar Curve	Cu Graph
			
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°			

	ISO Plot	Polar Curve	Cu Graph
			
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			

FLOOD LIGHT/AREA LIGHT

AURORA SERIES

[illegible]