



FLOOD LIGHT/AREA LIGHT
AURORA-U SERIES

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

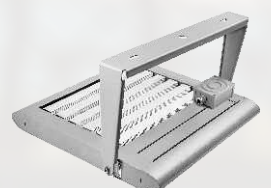
- UL/ CUL/ DLC/ LM79/ SAA/ CB/ CE/ RoHS/ IK08
(Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org)



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	Min CRI	70* or 80 or 90
Input	120-277VAC or 220-240VAC or 347-480 VAC	IP Rating	IP67
PF	>0.95	SPD	Optional
THD	<20%	Certificate/Qualification	UL/ CUL/ DLC/ LM79/ SAA/ CB/ CE/ RoHS/ IK08
L70	>200,000H	DALI/1-10V	Optional
L90	>100,000H	Photocell	Optional
Operating Temperature	-40°C ~ +50°C	Smart Control	Optional
Typical Efficacy	120-160lm/W	Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
ANSI CCT	3000K/4000K/5000K/5700K	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	BZ Bronze (RAL:8019)	03 Photocell + Motion Sensor	Safety Cable
			T4S Type IV Short	★ 50K 5028			
			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				

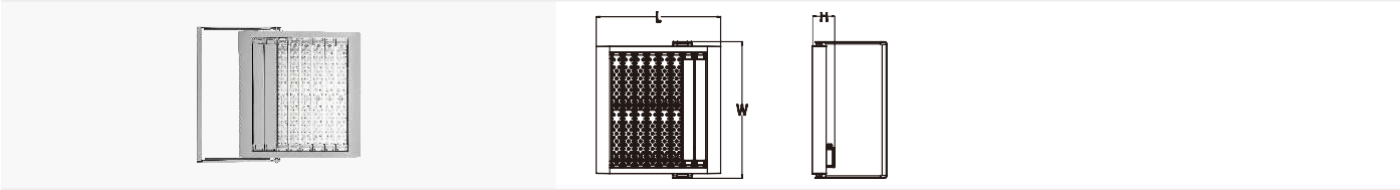
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DALI & Motion sensor unavailable
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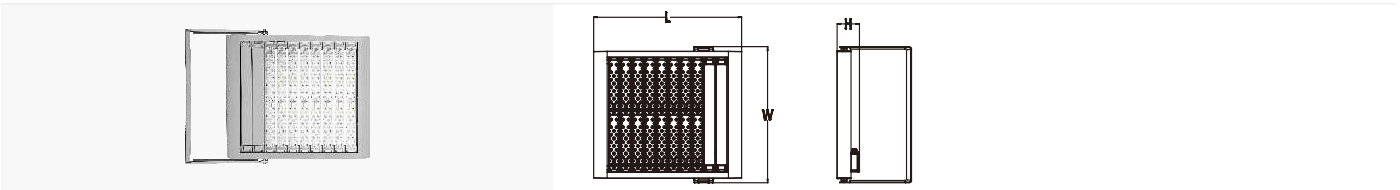
Regularly stocked item
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Customization is available
- Example 1: FLD900-U-T5S-50K-GR-00
- Example 2: FLG750-U-T5U-50K-BK-05

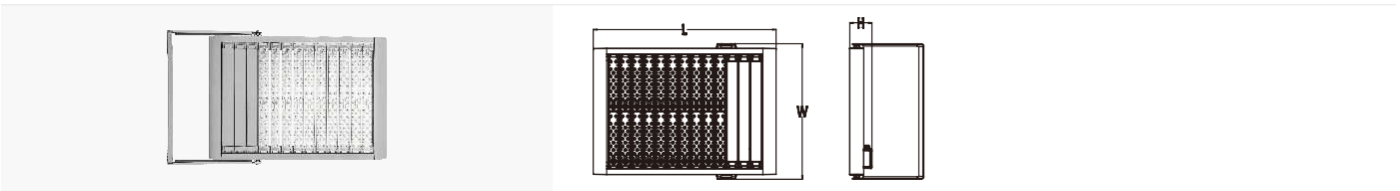
PRODUCT
MODEL



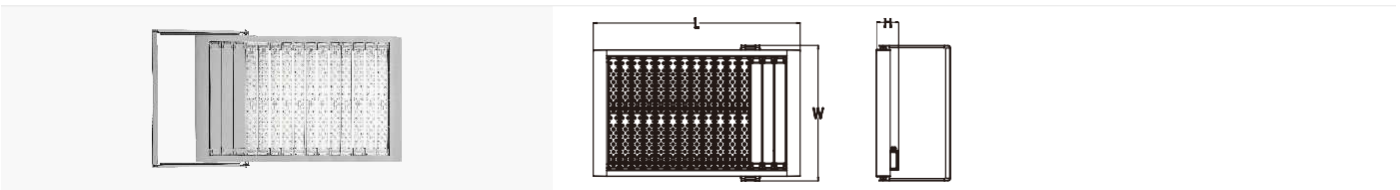
Model	FLD450-U/FLG450-U	Net Weight	19.96kg(44.00lbs)	Model No.	System Power	Voltage	Drive Current	Luminous Flux 3000K 4000 /5000K	Efficacy (lm/W)	
LED Modules	6	Gross Weight	22.20kg(48.94lbs)	FLD450-U	463W	120-277VAC	700mA	56255lm	62505lm	135
LEDs	216	Product Dimensions	622x680x112mm 24.49"x26.77"x4.41"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



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



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

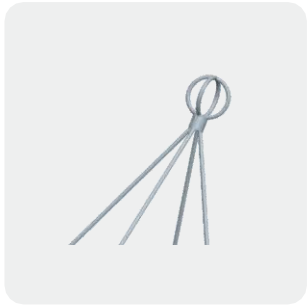


Model	FLD900-U/FLG900-U	Net Weight	30.98kg(68.30lbs)	Model No.	System Power	Voltage	Drive Current	Luminous Flux 3000K 4000 /5000K	Efficacy (lm/W)	
LED Modules	12	Gross Weight	34.80kg(76.72lbs)	FLD900-U	924W	120-277VAC	700mA	112266lm	124740lm	135
LEDs	432	Product Dimensions	1042x680x112mm 41.02"x26.77"x4.41"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

CUSTOMIZED
SOLUTIONS



01. Motion Sensor



02. Steel suspension cable



03. Suspension Rings



04. Separate Driver Module



05. Garden Light

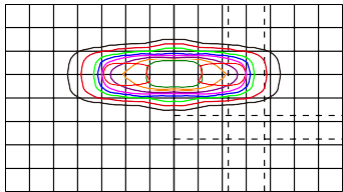
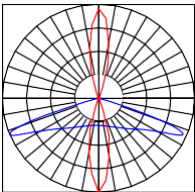
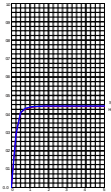
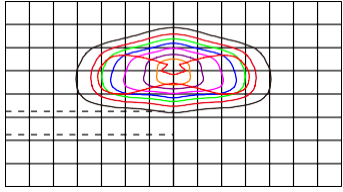
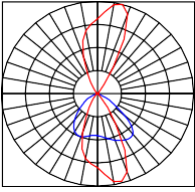
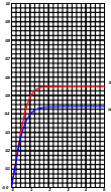
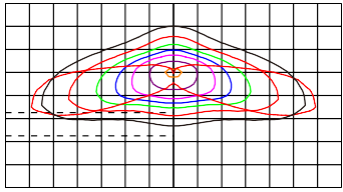
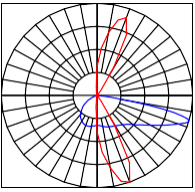
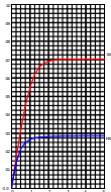
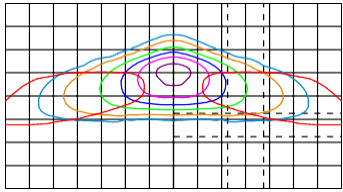
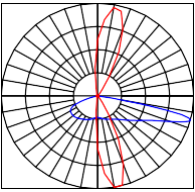
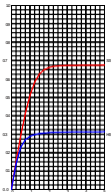
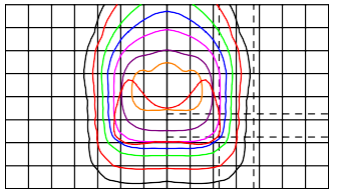
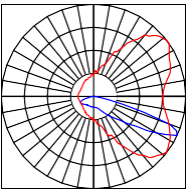
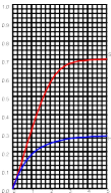
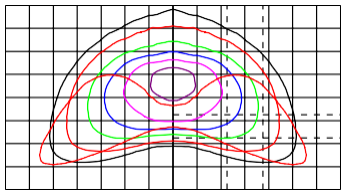
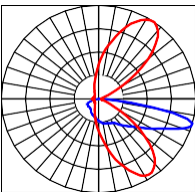
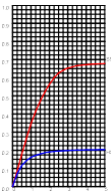
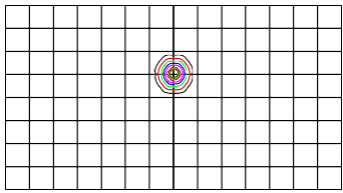
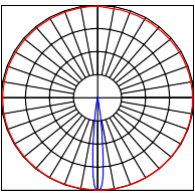
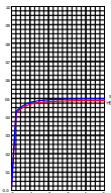


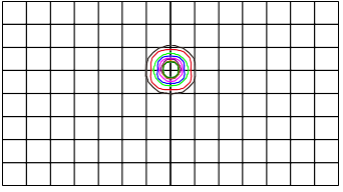
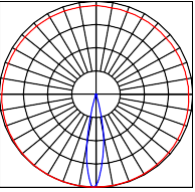
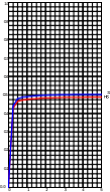
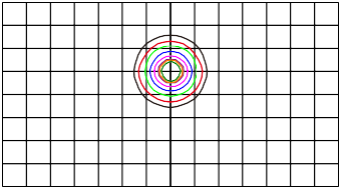
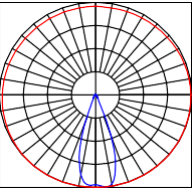
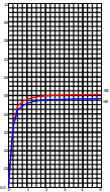
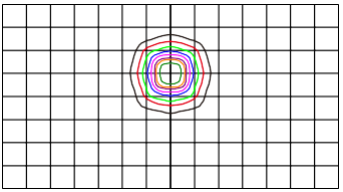
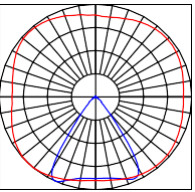
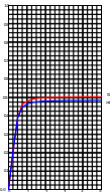
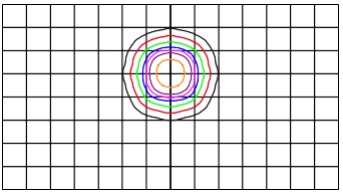
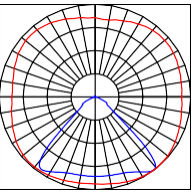
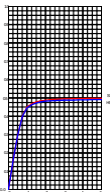
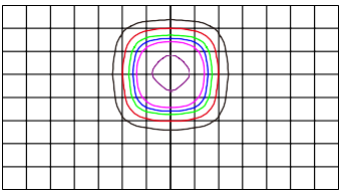
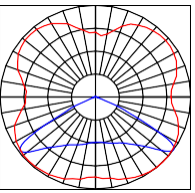
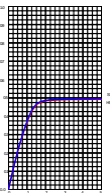
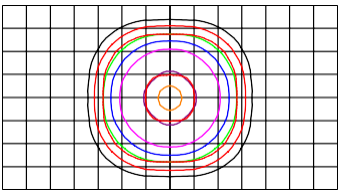
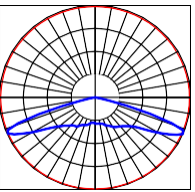
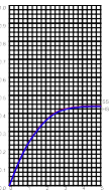
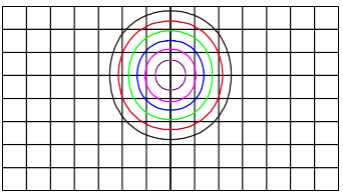
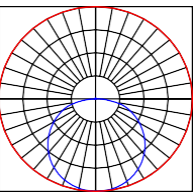
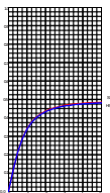
06. Bird Spike



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		



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