

# ARRLUX



**LED FLOOD LIGHT  
AURORA-U Series**



# AURORA-U Series

Certifications: UL/ CUL/ DLC/ LM79/ SAA/ CB/ CE/ RoHS/ IK08

## Housing

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

## 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.



## 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.

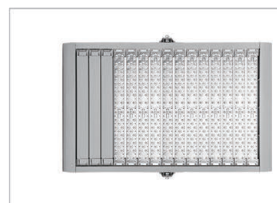


## LED & Optical Assembly

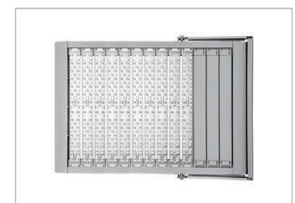
- Each PCB are mounted with a TVS (Transient Voltage Suppressors) to protect the LEDs from voltage transients induced by lightning and other transient voltage events.
- High-uniformity LED optics are constructed of durable optical polycarbonate that is impact and UV resistant.
- The metal plate provides 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.

## Mounting

- The trunion mount bracket allows for great mounting flexibility.



Standard bracket central mount



Customized offset bracket mount

# TECHNICAL PARAMETERS

Power	450-900W
Input	120-277 VAC or 220-240 VAC or 347-480 VAC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40°C ~ +50°C
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85

IP Rating	IP67
SPD	Optional
Certificate/Qualification	UL/ CUL/ DLC/ LM79/ SAA/ CB/ CE/ RoHS/ IK08
DALI	Optional
1-10V	Optional
Photocell	/
Smart Control	/
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	Grey/Black/Bronze/White

## ORDERING INFORMATION

MODEL (Nominal Power)		MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO	
<b>FLD450</b> 450W	<b>FLG450*</b> 450W	U	<b>T1S</b> Type I Short	<b>30K</b> 3045	★ <b>BK</b> Black (RAL:9011)	<b>00</b> Not required	Bird Spike	
<b>FLD600</b> 600W	<b>FLG600*</b> 600W		<b>T2M</b> Type II Medium	±175K		★ <b>40K</b> 3985	<b>01</b> Photocell	10KA/20KA Surge Protection Device
<b>FLD750</b> 750W	<b>FLG750*</b> 750W		<b>T3M</b> Type III Medium	±275K	<b>GR</b> Grey (RAL:7004)		<b>02</b> Motion Sensor	Back Light Shield
<b>FLD900</b> 900W	<b>FLG900*</b> 900W		<b>T3L</b> Type III Long	±283K			<b>BZ</b> Bronze (RAL:8014)	<b>03</b> Photocell + Motion Sensor
			<b>T4S</b> Type IV Short	5028	<b>WH</b> White (RAL:9010)	<b>04</b> DALI		
			<b>T4M</b> Type IV Medium	±283K		<b>57K</b> 5665	<b>05</b> 1-10V dimming	
			<b>T5U</b> Average beam angle 10°	±355K				
			<b>T5V</b> Average beam angle 25°					
			<b>T5W</b> Average beam angle 40°					
			<b>T5S</b> Average beam angle 60°					
			<b>T5M</b> Average beam angle 90°					
			<b>T5L</b> Average beam angle 120°					
			<b>T5X</b> Average beam angle 150°					
			<b>T5D</b> Diffuser					

\* DALI & Motion sensor unavailable

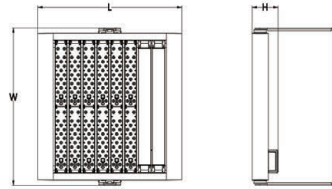
★ Regularly stocked item

● Example 1: FLD900-U-T5S-50K-GR-00

● Example 2: FLG750-U-T5U-50K-BK-05

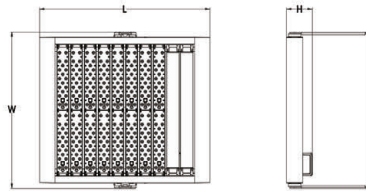
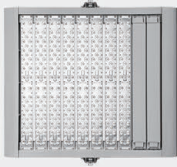


# PRODUCTS



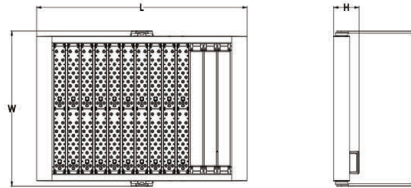
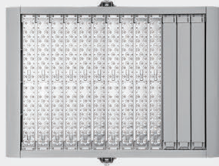
Model	FLD450-U/FLG450-U	Net Weight	19.96kg (44.00lbs)
LED Modules	6	Gross Weight	22.2kg (48.94lbs)
LEDs	216	Product Dimensions	622 x 680 x 112mm 24.49" x 26.77" x 4.41"
EPA (sq.ft.)	0.721	Carton Dimensions	750 x 730 x 170mm 29.53" x 28.74" x 6.69"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLD450-U	485W	120-277VAC	700mA	52380lm	58200lm	120
FLG450-U	485W	347-480VAC	700mA	52380lm	58200lm	120



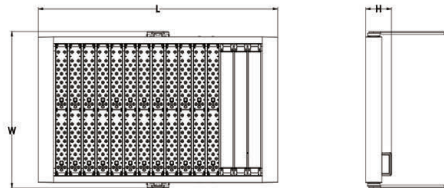
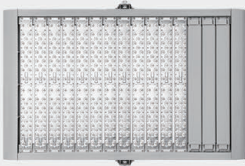
Model	FLD600-U/FLG600-U	Net Weight	23.06kg (50.84lbs)
LED Modules	8	Gross Weight	24.93kg (54.96lbs)
LEDs	288	Product Dimensions	742 x 680 x 112mm 29.21" x 26.77" x 4.41"
EPA (sq.ft.)	0.787	Carton Dimensions	870 x 730 x 170mm 34.25" x 28.74" x 6.69"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLD600-U	645W	120-277VAC	700mA	69660lm	77400lm	120
FLG600-U	645W	347-480VAC	700mA	69660lm	77400lm	120



Model	FLD750-U/FLG750-U	Net Weight	27.5kg (60.63lbs)
LED Modules	10	Gross Weight	29.9kg (65.92lbs)
LEDs	360	Product Dimensions	922 x 680 x 112mm 36.30" x 26.77" x 4.41"
EPA (sq.ft.)	0.894	Carton Dimensions	1050 x 730 x 170mm 41.34" x 28.74" x 6.69"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLD750-U	802W	120-277VAC	700mA	86616lm	96240lm	120
FLG750-U	802W	347-480VAC	700mA	86616lm	96240lm	120



Model	FLD900-U/FLG900-U	Net Weight	30.98kg (68.30lbs)
LED Modules	12	Gross Weight	34.8kg (76.72lbs)
LEDs	432	Product Dimensions	1042 x 680 x 112mm 41.02" x 26.77" x 4.41"
EPA (sq.ft.)	0.971	Carton Dimensions	1170 x 730 x 170mm 46.06" x 28.74" x 6.69"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLD900-U	964W	120-277VAC	700mA	104112lm	115680lm	120
FLG900-U	964W	347-480VAC	700mA	104112lm	115680lm	120

# CUSTOMIZED SOLUTIONS

1



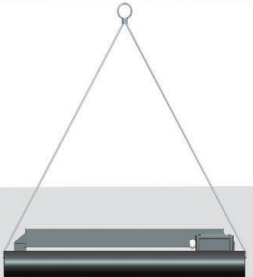
Motion Sensor



2



Steel suspension cable

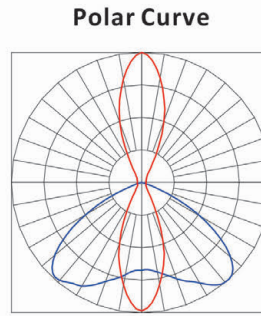
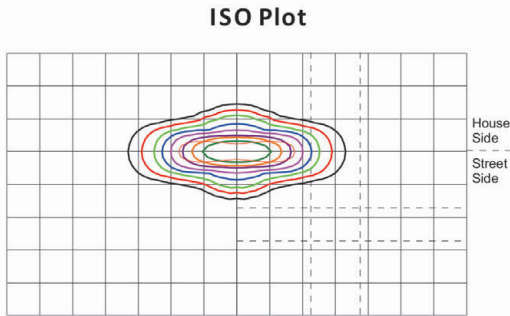


# PHOTOMETRICS

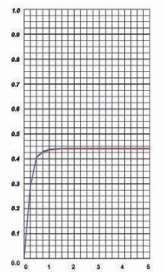
## T1S

Type I  
Short

Typical use:  
Industrial  
Street/Roadside



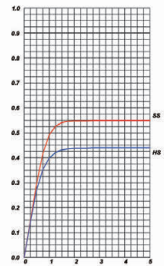
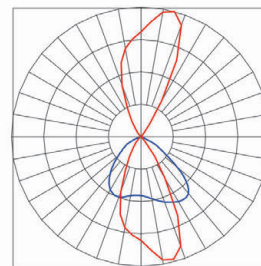
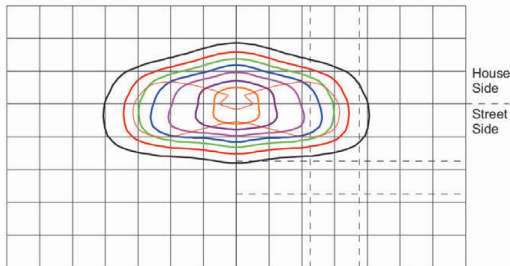
## CU Graph



## T2M

Type II  
Medium

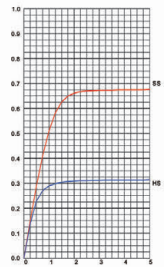
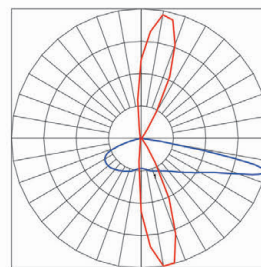
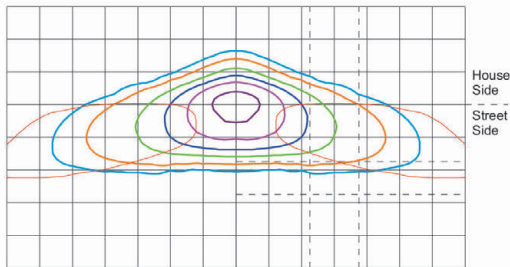
Typical use:  
Street/Roadside



## T3L

Type III  
Long

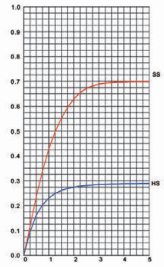
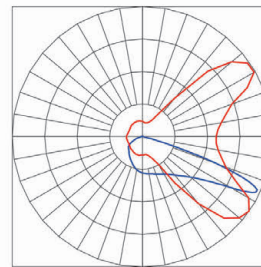
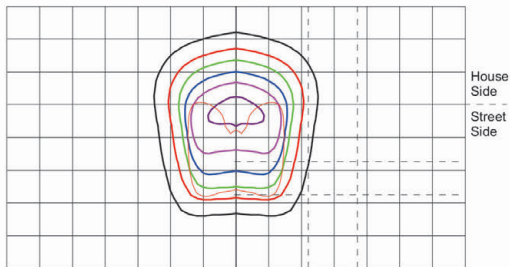
Typical use:  
Street/Roadside



## T4S

Type IV  
Short

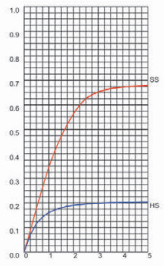
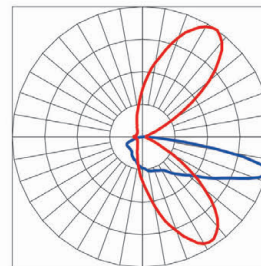
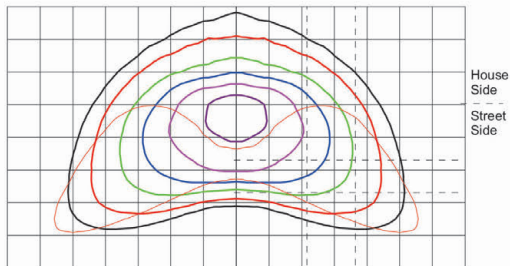
Typical use:  
Area/High mast



## T4M

Type IV  
Medium

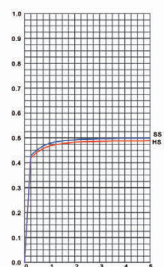
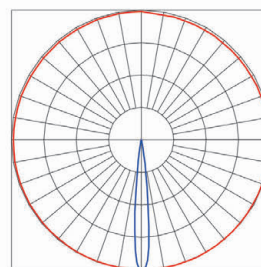
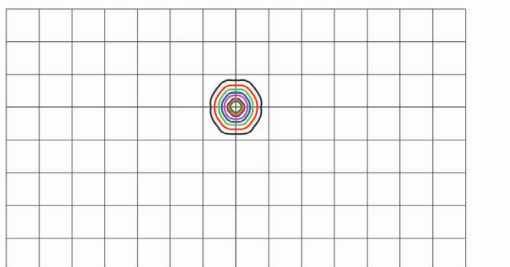
Typical use:  
Highway/Multi-Lane



## T5U

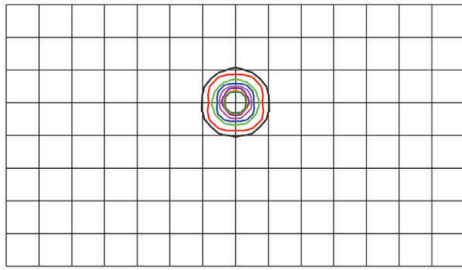
Average beam  
angle 10°

Typical use:  
Stadium

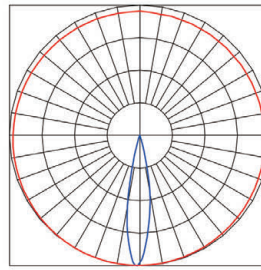




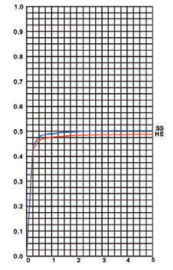
ISO Plot



Polar Curve



CU Graph



**T5V**

Average beam angle 25°

Typical use: Stadium

**T5W**

Average beam angle 40°

Typical use: Architectural

**T5S**

Average beam angle 60°

Typical use: Industrial

**T5M**

Average beam angle 90°

Typical use: Industrial

**T5L**

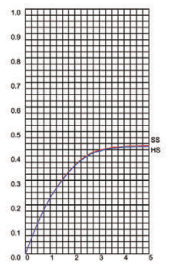
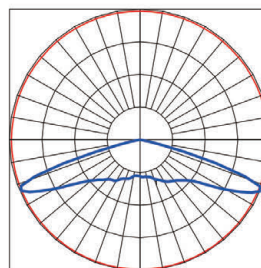
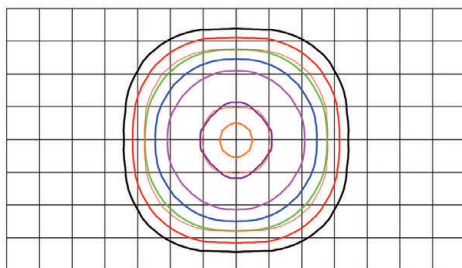
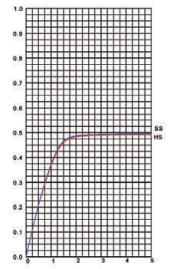
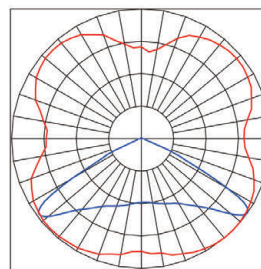
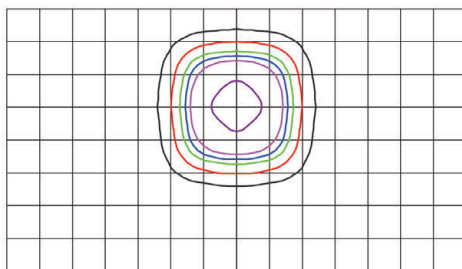
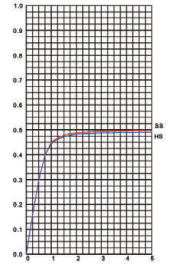
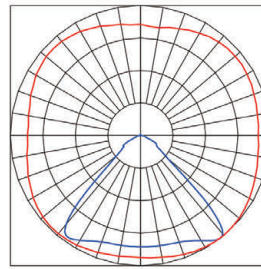
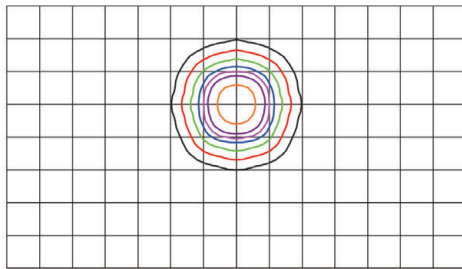
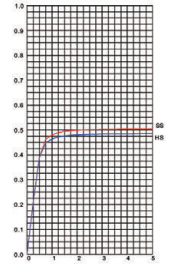
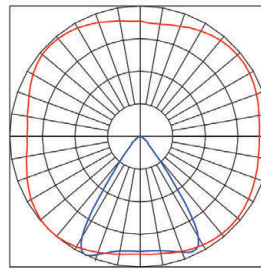
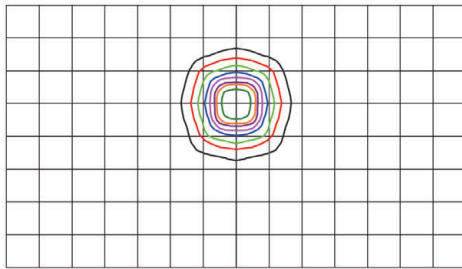
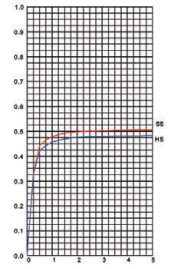
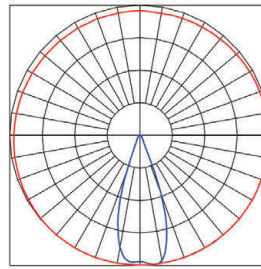
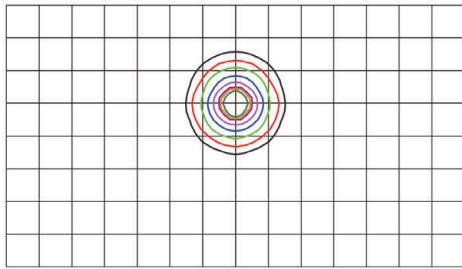
Average beam angle 120°

Typical use: Gas station

**T5X**

Average beam angle 150°

Typical use: Industrial Undercover carpark



## CONTACT US

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