

# ARRLUX



**LED FLOOD LIGHT  
GAMA-L Series**



# GAMA-L Series

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

## Housing

- Die cast aluminum housing.
- Modular design allows for easy installation, replacement and maintenance. This design also creates a chimney effect which provides exceptional thermal management.
- IK08 rated.

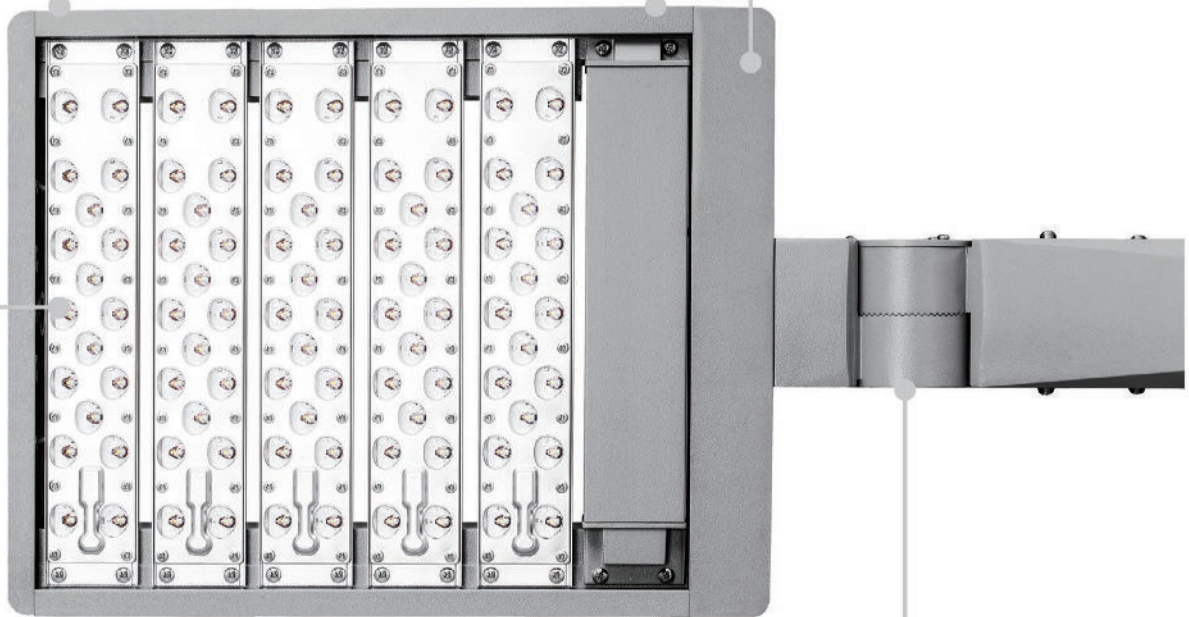
## Finish

- 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

- 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.
- Multiple lighting control options are available, e.g. DALI, 1-10V.



## 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

- Side-entry or post-top mounting.
- Slipfitter with +/- 90 degree of adjustment for leveling.
- Adjustable for 1 5/8-2 3/8" (42mm-60mm) O.D. tenon.
- Interchangeable with the other GAMA Series with a bracket change.
- Brackets are available for different installations.



# TECHNICAL PARAMETERS

Power	30-320W
Input	120-277 VAC or 220-240 VAC 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	IP65
SPD	Optional
Certificate/Qualification	UL/ CUL/DLC/ LM79/ SAA/ ENEC/ CB/ CE/ ErP/ 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
FLA30 30W	FLB40 40W	FLC80* 80W	L	T1S Type I Short	30K 3045	★ BK Black (RAL:9011)	00 Not required	Bird Spike
FLA60 60W	FLB80 80W	FLC120* 120W		T2M Type II Medium	±175K		01 Photocell	10KA/20KA Surge Protection Device
FLA90 90W	FLB120 120W	FLC160* 160W		T3M Type III Medium	★ 40K 3985	GR Grey (RAL:7004)	02 Motion Sensor	Back Light Shield
FLA120 120W	FLB160 160W	FLC200* 200W		T3L Type III Long	±275K		03 Photocell + Motion Sensor	Safety Cable
FLA150 150W	FLB200 200W	FLC240* 240W		T4S Type IV Short	★ 50K 5028	BZ Bronze (RAL:8014)		
FLA180 180W	FLB240 240W	FLC280* 280W		T4M Type IV Medium	±283K	WH White (RAL:9010)	04 DALI	
FLA210 210W	FLB280 280W	FLC320* 320W		T5U Average beam angle 10°	57K 5665		05 1-10V dimming	
FLA240 240W	FLB320 320W			T5V Average beam angle 25°	±355K			
FLA270 270W				T5W Average beam angle 40°				
FLA300 300W				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

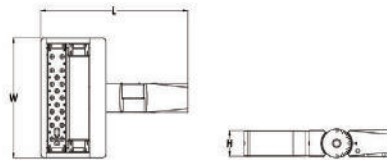
★ Regularly stocked item

● Example 1: FLA30-L-T5S-50K-BK-00

● Example 2: FLB40-L-T5U-50K-BK-04

● Example 3: FLC80-L-T5U-50K-BK-05

# PRODUCTS



Model	FLA30-L/FLB40-L	Net Weight	4.98kg (10.98lbs)
LED Modules	1	Gross Weight	5.97kg (13.16lbs)
LEDs	18	Product Dimensions	405 x 330 x 70mm 15.94" x 12.99" x 2.76"
EPA (sq.ft.)	0.283	Carton Dimensions	365 x 415 x 160mm 14.37" x 16.34" x 6.3"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLA30-L	33W	120-277VAC	530mA	3564lm	3960lm	120
FLB40-L	42W	120-277VAC	700mA	4347lm	4830lm	115



Model	FLA60-L/FLB80-L/FLC80-L	Net Weight	5.79kg (12.76lbs)
LED Modules	2	Gross Weight	6.67kg (14.70lbs)
LEDs	36	Product Dimensions	465 x 330 x 70mm 18.31" x 12.99" x 2.76"
EPA (sq.ft.)	0.308	Carton Dimensions	425 x 415 x 160mm 16.73" x 16.34" x 6.3"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLA60-L	64W	120-277VAC	530mA	6912lm	7680lm	120
FLB80-L	84W	120-277VAC	700mA	8694lm	9660lm	115
FLC80-L	84W	347-480VAC	700mA	8694lm	9660lm	115



Model	FLA90-L/FLB120-L/FLC120-L	Net Weight	6.90kg (15.21lbs)
LED Modules	3	Gross Weight	8.03kg (17.70lbs)
LEDs	54	Product Dimensions	525 x 330 x 70mm 20.67" x 12.99" x 2.76"
EPA (sq.ft.)	0.336	Carton Dimensions	485 x 415 x 160mm 19.09" x 16.34" x 6.3"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLA90-L	92W	120-277VAC	530mA	10350lm	11500lm	125
FLB120-L	125W	120-277VAC	700mA	13500lm	15000lm	120
FLC120-L	125W	347-480VAC	700mA	13500lm	15000lm	120



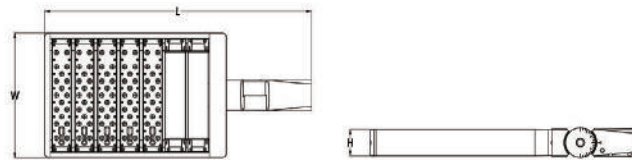
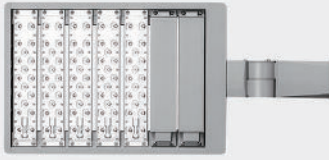
Model	FLA120-L/FLB160-L/FLC160-L	Net Weight	7.79kg (17.17lbs)
LED Modules	4	Gross Weight	8.72kg (19.22lbs)
LEDs	72	Product Dimensions	585 x 330 x 70mm 23.03" x 12.99" x 2.76"
EPA (sq.ft.)	0.368	Carton Dimensions	545 x 415 x 160mm 21.46" x 16.34" x 6.3"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLA120-L	121W	120-277VAC	530mA	13613lm	15125lm	125
FLB160-L	166W	120-277VAC	700mA	17928lm	19920lm	120
FLC160-L	166W	347-480VAC	700mA	17928lm	19920lm	120



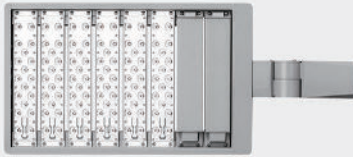
Model	FLA150-L	Net Weight	8.68kg (19.14lbs)
LED Modules	5	Gross Weight	9.41kg (20.75lbs)
LEDs	90	Product Dimensions	645 x 330 x 70mm 25.39" x 12.99" x 2.76"
EPA (sq.ft.)	0.403	Carton Dimensions	605 x 415 x 160mm 23.82" x 16.34" x 6.3"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLA150-L	151W	120-277VAC	530mA	16988lm	18875lm	125



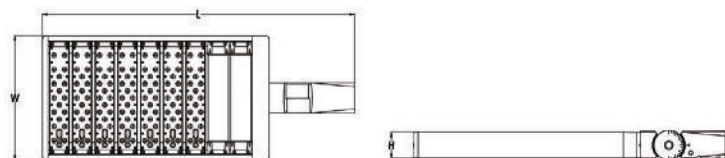
Model	FLB200-L/FLC200-L	Net Weight	9.42kg (20.77lbs)
LED Modules	5	Gross Weight	10.73kg (23.66lbs)
LEDs	90	Product Dimensions	705x330x70mm 27.76"x12.99"x2.76"
EPA (sq.ft.)	0.438	Carton Dimensions	665 x 415 x 160mm 26.18" x 16.34" x 6.3"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLB200-L	205W	120-277VAC	700mA	22140lm	24600lm	120
FLC200-L	205W	347-480VAC	700mA	22140lm	24600lm	120



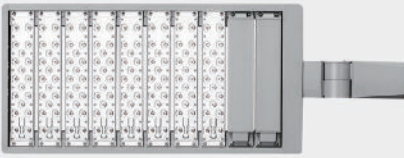
Model	FLA180-L/FLB240-L/FLC240-L	Net Weight	10.63kg (23.44lbs)
LED Modules	6	Gross Weight	11.8kg (26.01lbs)
LEDs	108	Product Dimensions	765 x 330 x 70mm 30.12"x12.99"x2.76"
EPA (sq.ft.)	0.477	Carton Dimensions	725 x 415 x 160mm 28.54" x 16.34" x 6.3"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLA180-L	182W	120-277VAC	530mA	20475lm	22750lm	125
FLB240-L	246W	120-277VAC	700mA	26568lm	29520lm	120
FLC240-L	246W	347-480VAC	700mA	26568lm	29520lm	120



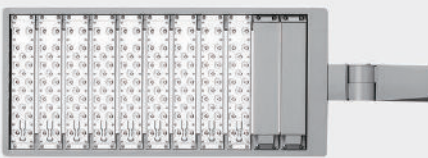
Model	FLA210-L/FLB280-L/FLC280-L	Net Weight	11.24kg (24.78lbs)
LED Modules	7	Gross Weight	12.48kg (27.51lbs)
LEDs	126	Product Dimensions	825 x 330 x 70mm 32.48"x12.99"x2.76"
EPA (sq.ft.)	0.517	Carton Dimensions	785 x 415 x 160mm 30.91" x 16.34" x 6.3"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLA210-L	211W	120-277VAC	530mA	23738lm	26375lm	125
FLB280-L	285W	120-277VAC	700mA	30780lm	34200lm	120
FLC280-L	285W	347-480VAC	700mA	30780lm	34200lm	120



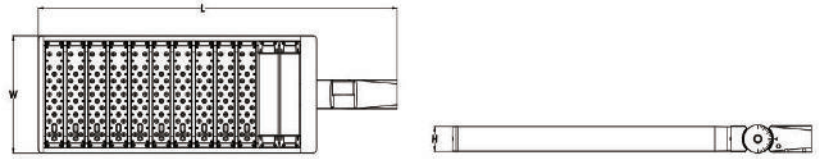
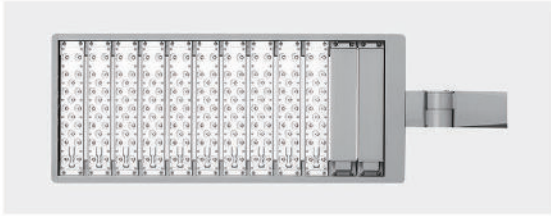
Model	FLA240-L/FLB320-L/FLC320-L	Net Weight	11.95kg (26.35lbs)
LED Modules	8	Gross Weight	13.54kg (29.85lbs)
LEDs	144	Product Dimensions	885 x 330 x 70mm 34.84"x12.99"x2.76"
EPA (sq.ft.)	0.556	Carton Dimensions	845 x 415 x 160mm 33.27" x 16.34" x 6.3"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLA240-L	240W	120-277VAC	530mA	27000lm	30000lm	125
FLB320-L	323W	120-277VAC	700mA	34884lm	38760lm	120
FLC320-L	323W	347-480VAC	700mA	34884lm	38760lm	120



Model	FLA270-L	Net Weight	12.94kg (28.53lbs)
LED Modules	9	Gross Weight	14.88kg (32.80lbs)
LEDs	162	Product Dimensions	945 x 330 x 70mm 37.20"x12.99"x2.76"
EPA (sq.ft.)	0.596	Carton Dimensions	905 x 415 x 160mm 35.63" x 16.34" x 6.3"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLA270-L	267W	120-277VAC	530mA	31239lm	34710lm	130

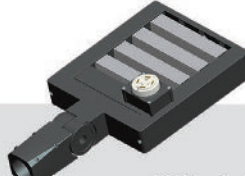


<b>Model</b>	FLA300-L	<b>Net Weight</b>	13.93kg (30.71lbs)
<b>LED Modules</b>	10	<b>Gross Weight</b>	16.22kg (35.76lbs)
<b>LEDs</b>	180	<b>Product Dimensions</b>	1005 x 330 x 70mm 39.57" x 12.99" x 2.76"
<b>EPA (sq.ft.)</b>	0.638	<b>Carton Dimensions</b>	965 x 415 x 160mm 37.99" x 16.34" x 6.3"



Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLA300-L	296W	120-277VAC	530mA	34632lm	38480lm	130

# CUSTOMIZED SOLUTIONS


1



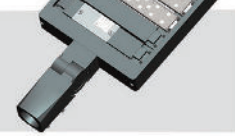

3/5/7 -pin NEMA Receptacle  
+ Shorting Cap/Photocell



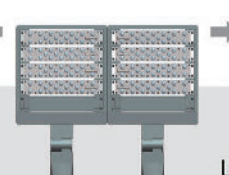
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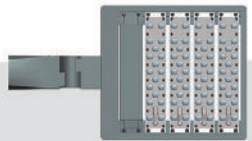

Motion Sensor



3



Left Throw & Right  
Throw Lens




4





Mini Photocell



5

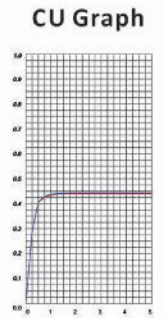
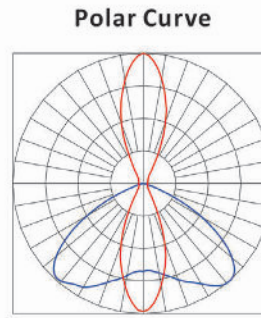
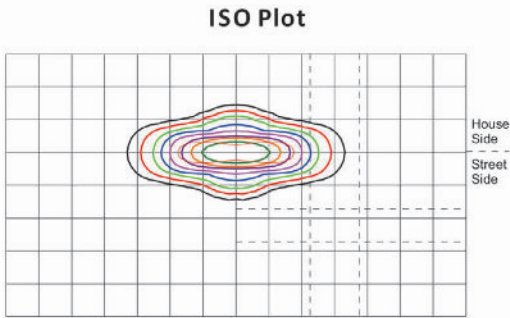


Backlight Shield

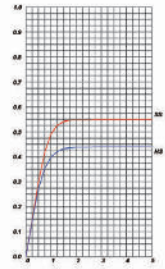
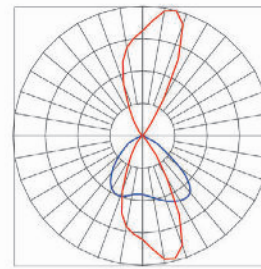
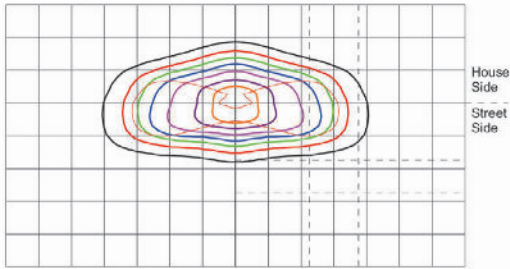


# PHOTOMETRICS

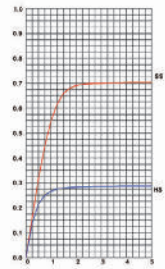
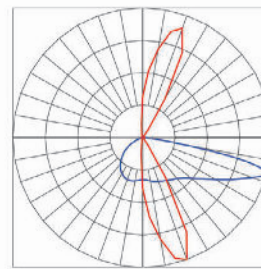
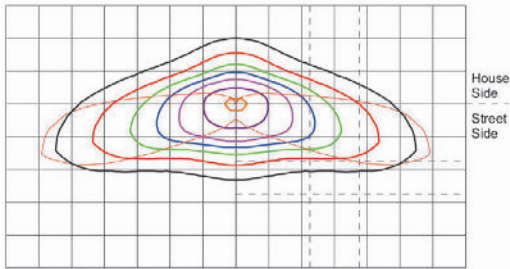
**T1S**  
Type I  
Short  
Typical use:  
Industrial  
Street/Roadside



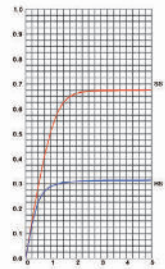
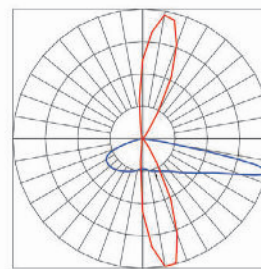
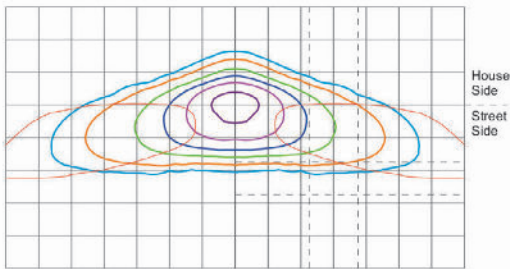
**T2M**  
Type II  
Medium  
Typical use:  
Street/Roadside



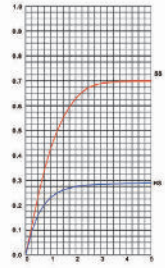
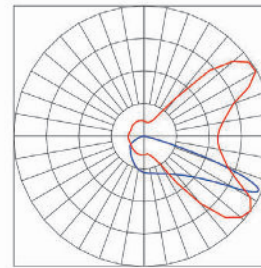
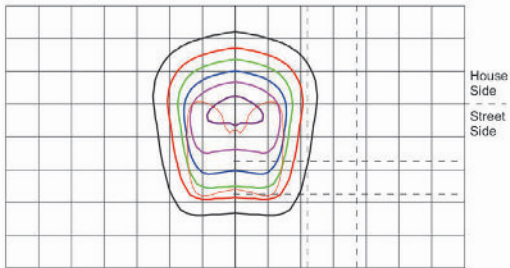
**T3M**  
Type III  
Medium  
Typical use:  
Street/Roadside



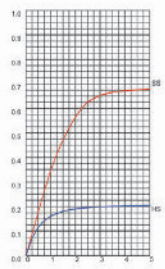
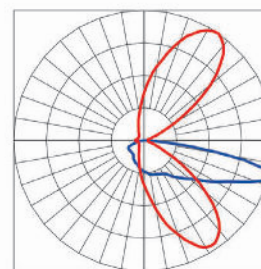
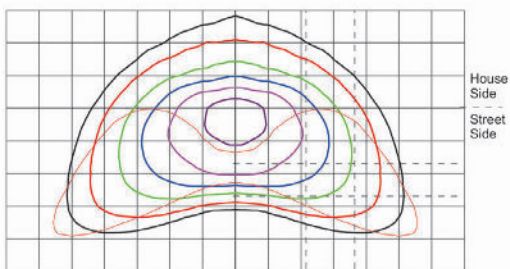
**T3L**  
Type III  
Long  
Typical use:  
Street/Roadside



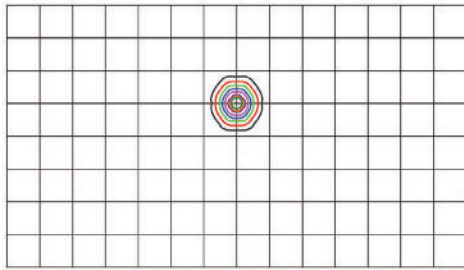
**T4S**  
Type IV  
Short  
Typical use:  
Area/High mast



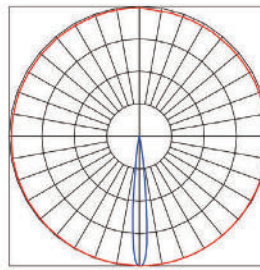
**T4M**  
Type IV  
Medium  
Typical use:  
Highway/Multi-Lane



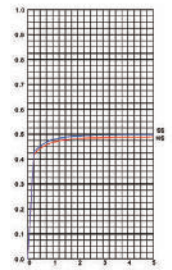
ISO Plot



Polar Curve



CU Graph



**T5U**

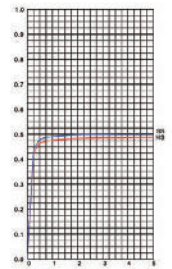
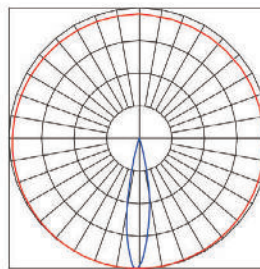
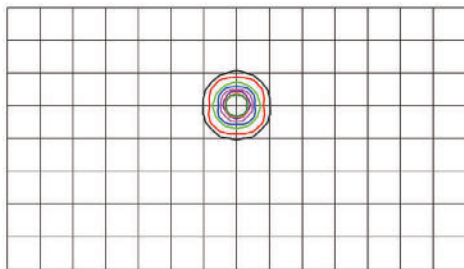
Average beam angle 10°

Typical use: Stadium

**T5V**

Average beam angle 25°

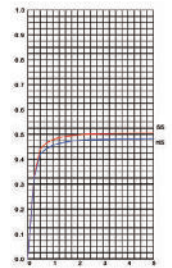
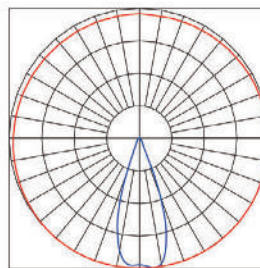
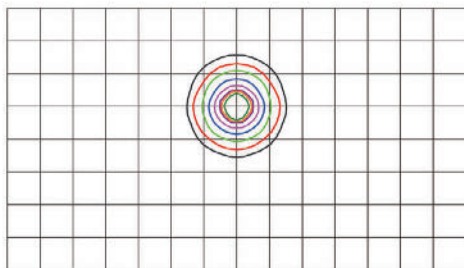
Typical use: Stadium



**T5W**

Average beam angle 40°

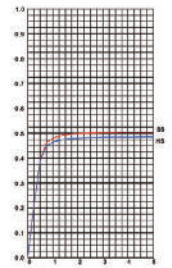
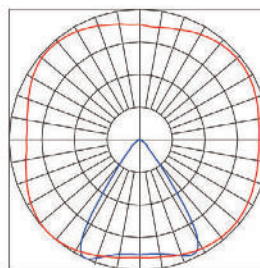
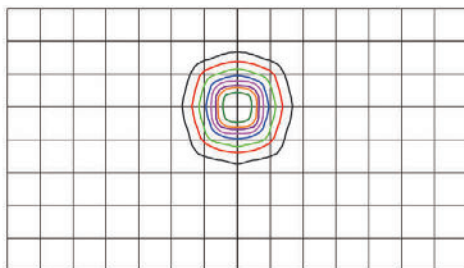
Typical use: Architectural



**T5S**

Average beam angle 60°

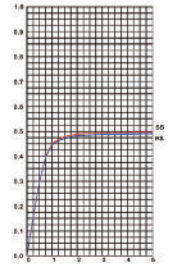
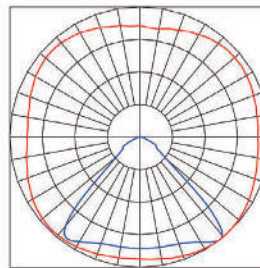
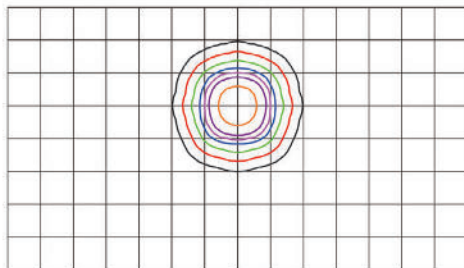
Typical use: Industrial



**T5M**

Average beam angle 90°

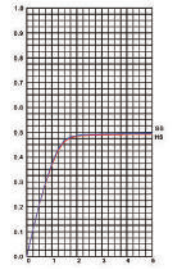
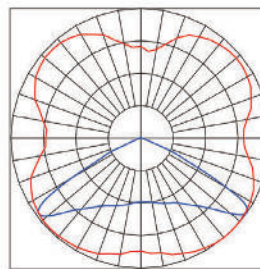
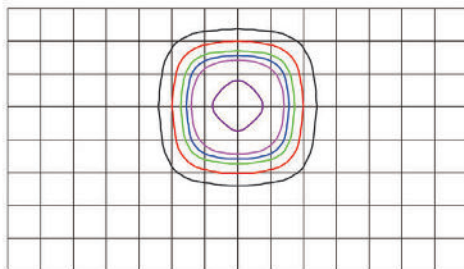
Typical use: Industrial



**T5L**

Average beam angle 120°

Typical use: Gas station

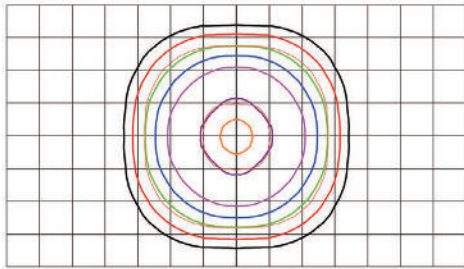


**T5X**

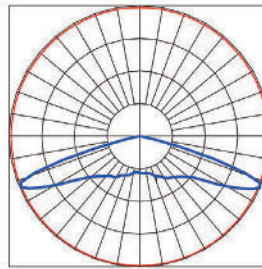
Average beam angle 150°

Typical use:  
Industrial  
Undercover carpark

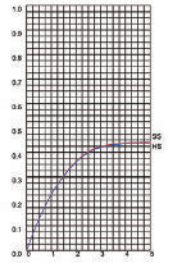
**ISO Plot**



**Polar Curve**



**CU Graph**

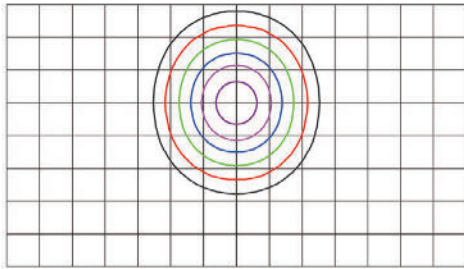


**T5D**

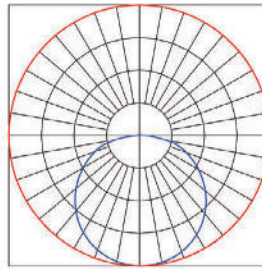
Diffuser

Typical use:  
Industrial

**ISO Plot**



**Polar Curve**



**CU Graph**

