

ARRLUX



**LED AREA LIGHT
GAMA-T Series**



GAMA-T Series

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

Housing

- Die cast aluminum housing.
- Shoe box appearance with advanced LED system.
- 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 mounting.
- Standard mounting diameter is 2 3/8"(60mm), fixing bracket is available for square pole mounting and surface mounting.
- 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 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	IP65
SPD	Optional
Certificate/Qualification	UL/ CUL/ DLC/ LM79/ SAA/ CB/ CE/ ENEC/ 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	T	T1S Type I Short	30K 3045	★ BK Black (RAL:9011)	00 Not required	Adaptor Bracket
FLA60 60W	FLB80 80W	FLC120* 120W		T2M Type II Medium	±175K			01 Photocell
FLA90 90W	FLB120 120W	FLC160* 160W		T3M Type III Medium	★ 40K 3985	GR Grey (RAL:7004)	02 Motion Sensor	20KA Surge Protection Device
FLA120 120W	FLB160 160W	FLC200* 200W		T3L Type III Long	±275K			03 Photocell + Motion Sensor
FLA150 150W	FLB200 200W	FLC240* 240W		T4S Type IV Short	★ 50K 5028	BZ Bronze (RAL:8014)	04 DALI	
FLA180 180W	FLB240 240W	FLC280* 280W		T4M Type IV Medium	±283K			05 1-10V dimming
FLA210 210W	FLB280 280W	FLC320* 320W		T5U Average beam angle 10°	57K 5665	WH White (RAL:9010)		
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

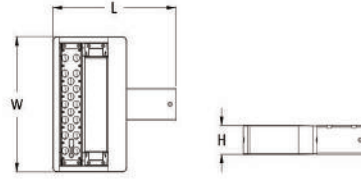
★ Regularly stocked item

● Example 1: FLA30-T-T5S-50K-BK-00

● Example 2: FLB40-T-T5U-50K-BK-05

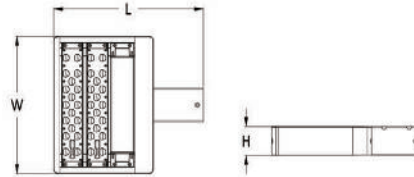
● Example 3: FLC80-T-T5U-50K-BK-00

PRODUCTS



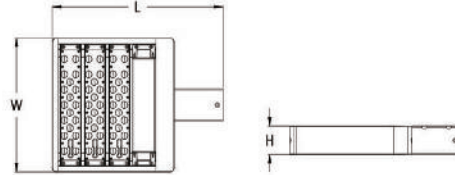
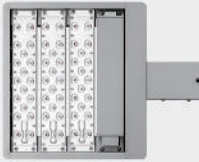
Model	FLA30-T/FLB40-T	Net Weight	4.69kg (10.34lbs)
LED Modules	1	Gross Weight	5.45kg (12.02lbs)
LEDs	18	Product Dimensions	300 x 330 x 70mm 11.81" x 12.99" x 2.76"
EPA (sq.ft.)	0.283	Carton Dimensions	365 x 415 x 160mm 14.37" x 16.34" x 6.3"

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



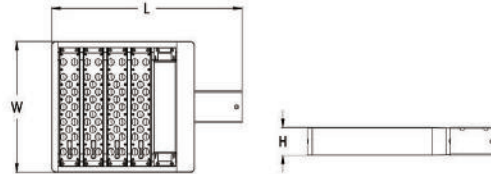
Model	FLA60-T/FLB80-T/FLC80-T	Net Weight	5.58kg (12.30lbs)
LED Modules	2	Gross Weight	6.49kg (14.31lbs)
LEDs	36	Product Dimensions	360 x 330 x 70mm 14.17" x 12.99" x 2.76"
EPA (sq.ft.)	0.308	Carton Dimensions	425 x 415 x 160mm 16.73" x 16.34" x 6.3"

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



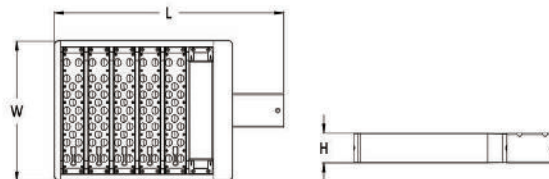
Model	FLA90-T/FLB120-T/FLC120-T	Net Weight	6.52kg (14.37lbs)
LED Modules	3	Gross Weight	7.56kg (16.67lbs)
LEDs	54	Product Dimensions	420 x 330 x 70mm 16.54" x 12.99" x 2.76"
EPA (sq.ft.)	0.336	Carton Dimensions	485 x 415 x 160mm 19.09" x 16.34" x 6.3"

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



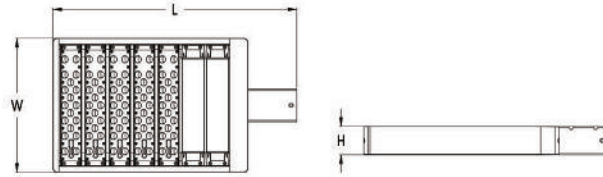
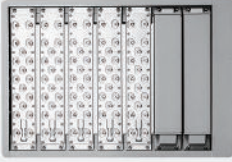
Model	FLA120-T/FLB160-T/FLC160-T	Net Weight	7.45kg (16.42lbs)
LED Modules	4	Gross Weight	8.47kg (18.67lbs)
LEDs	72	Product Dimensions	480 x 330 x 70mm 18.90" x 12.99" x 2.76"
EPA (sq.ft.)	0.368	Carton Dimensions	545 x 415 x 160mm 21.46" x 16.34" x 6.3"

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



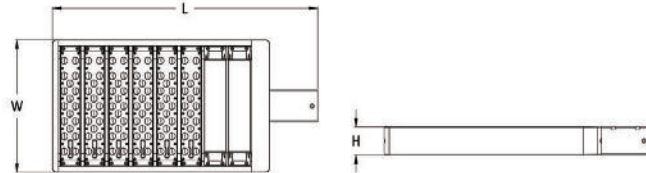
Model	FLA150-T	Net Weight	8.4kg (18.52lbs)
LED Modules	5	Gross Weight	9.13kg (20.13lbs)
LEDs	90	Product Dimensions	540 x 330 x 70mm 21.26" x 12.99" x 2.76"
EPA (sq.ft.)	0.403	Carton Dimensions	605 x 415 x 160mm 23.82" x 16.34" x 6.3"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLA150-T	151W	120-277VAC	530mA	16988lm	18879lm	125



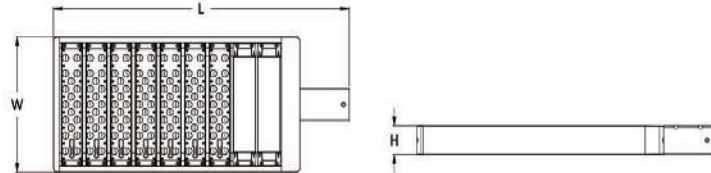
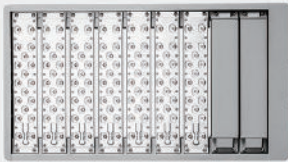
Model	FLB200-T/FLC200-T	Net Weight	9.14kg (20.15lbs)
LED Modules	5	Gross Weight	10.45kg (23.04lbs)
LEDs	90	Product Dimensions	600 x 330 x 70mm 23.62" x 12.99" x 2.76"
EPA (sq.ft.)	0.438	Carton Dimensions	665 x 415 x 160mm 26.18" x 16.34" x 6.3"

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



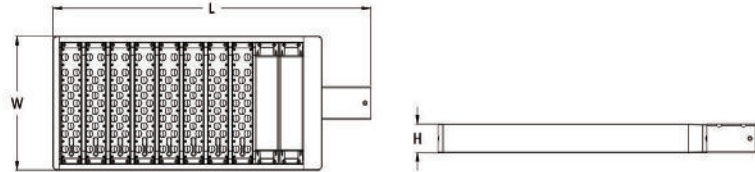
Model	FLA180-T/FLB240-T/FLC240-T	Net Weight	9.91kg (21.85lbs)
LED Modules	6	Gross Weight	11.09kg (24.45lbs)
LEDs	108	Product Dimensions	660 x 330 x 70mm 25.98" x 12.99" x 2.76"
EPA (sq.ft.)	0.477	Carton Dimensions	725 x 415 x 160mm 28.54" x 16.34" x 6.3"

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



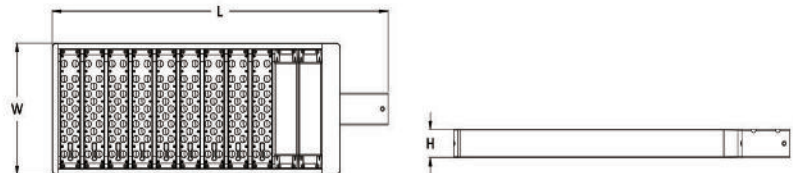
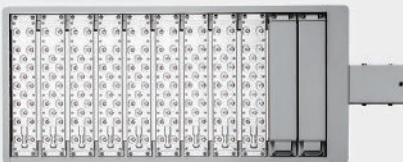
Model	FLA210-T/FLB280-T/FLC280-T	Net Weight	10.97kg (24.18lbs)
LED Modules	7	Gross Weight	12.44kg (27.43lbs)
LEDs	126	Product Dimensions	720 x 330 x 70mm 28.35" x 12.99" x 2.76"
EPA (sq.ft.)	0.517	Carton Dimensions	785 x 415 x 160mm 30.91" x 16.34" x 6.3"

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



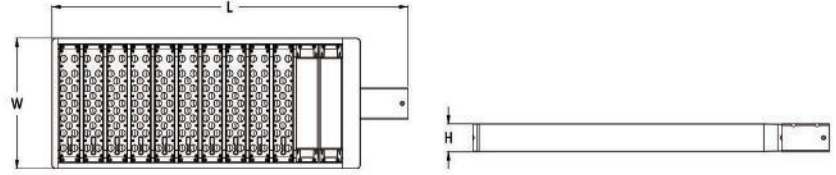
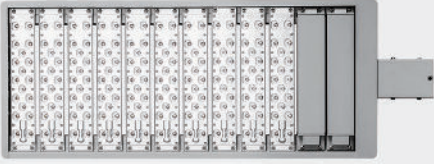
Model	FLA240-T/FLB320-T/FLC320-T	Net Weight	11.68kg (25.75lbs)
LED Modules	8	Gross Weight	12.94kg (28.53lbs)
LEDs	144	Product Dimensions	780 x 330 x 70mm 30.71" x 12.99" x 2.76"
EPA (sq.ft.)	0.556	Carton Dimensions	845 x 415 x 160mm 33.27" x 16.34" x 6.3"

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



Model	FLA270-T	Net Weight	12.67kg(27.93lbs)
LED Modules	9	Gross Weight	13.72kg(30.25lbs)
LEDs	162	Product Dimensions	840 x 330 x 70mm 33.07" x 12.99" x 2.76"
EPA (sq.ft.)	0.596	Carton Dimensions	905 x 415 x 160mm 35.63" x 16.34" x 6.3"


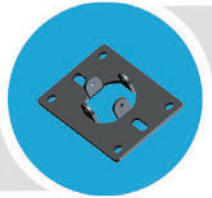
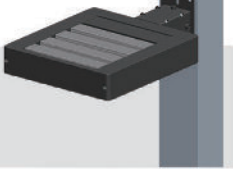
Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
				3000K	4000/5000K	
FLA270-T	267W	120-277VAC	530mA	31239lm	34710lm	130



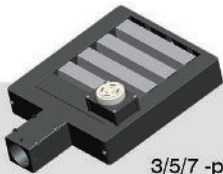
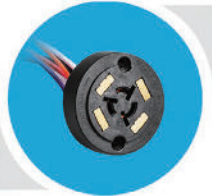

Model	FLA300-T	Net Weight	13.66kg (30.12lbs)
LED Modules	10	Gross Weight	14.5kg (31.97lbs)
LEDs	180	Product Dimensions	900 x 330 x 70mm 35.43" x 12.99" x 2.76"
EPA (sq.ft.)	0.638	Carton Dimensions	965 x 415 x 160mm 37.99" x 16.34" x 6.3"

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



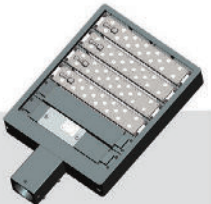
CUSTOMIZED SOLUTIONS

1   

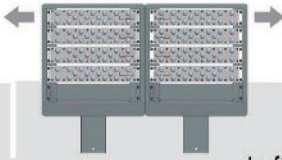


Square Pole Adaptor

2   

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

3   




Motion Sensor

4   

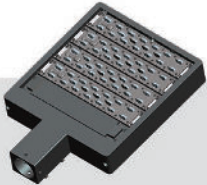


Left Throw & Right
Throw Lens

5   

Mini Photocell

6   

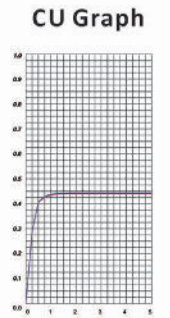
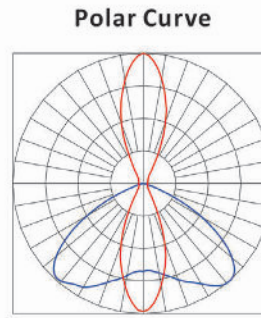
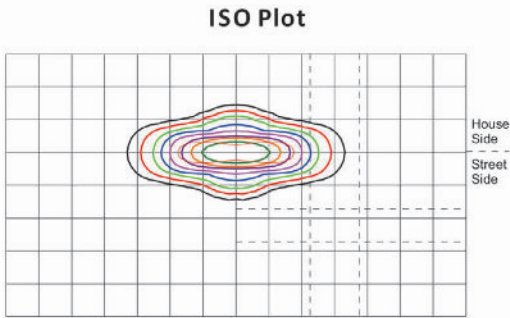
Safety Cable

7   

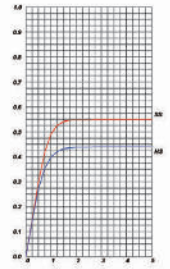
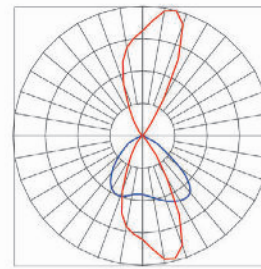
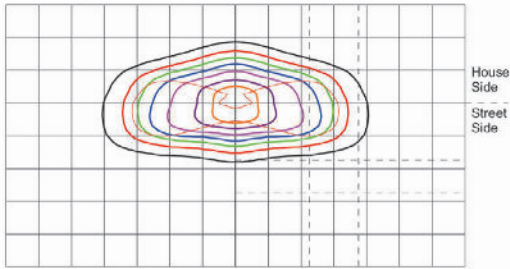
Backlight Shield

PHOTOMETRICS

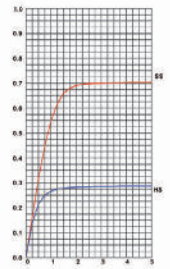
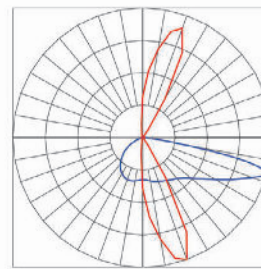
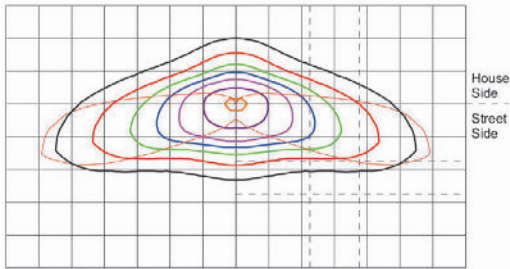
T1S
Type I
Short
Typical use:
Industrial
Street/Roadside



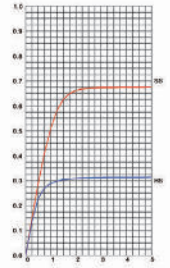
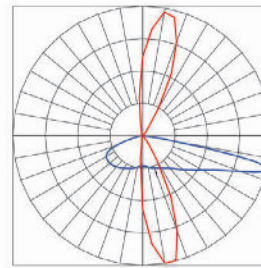
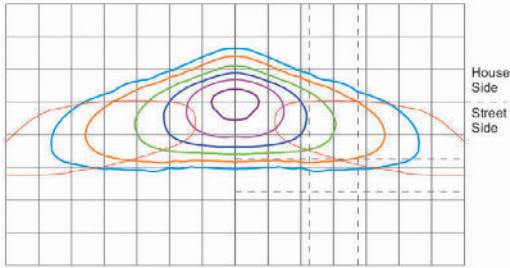
T2M
Type II
Medium
Typical use:
Street/Roadside



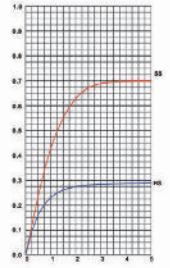
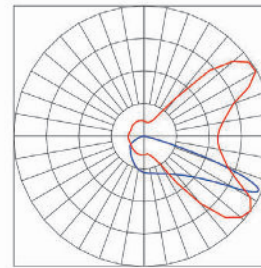
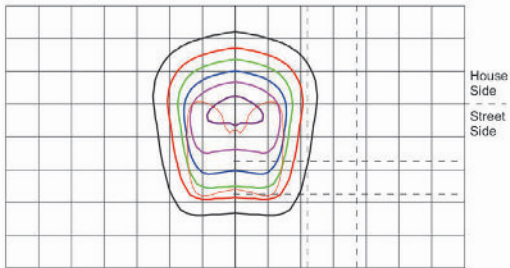
T3M
Type III
Medium
Typical use:
Street/Roadside



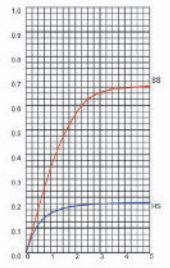
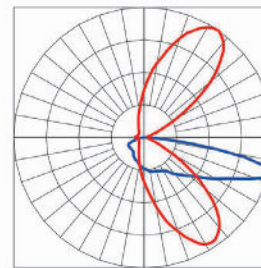
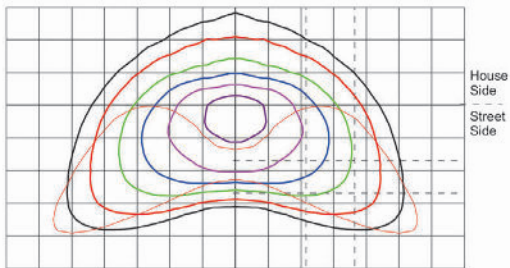
T3L
Type III
Long
Typical use:
Street/Roadside



T4S
Type IV
Short
Typical use:
Area/High mast



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

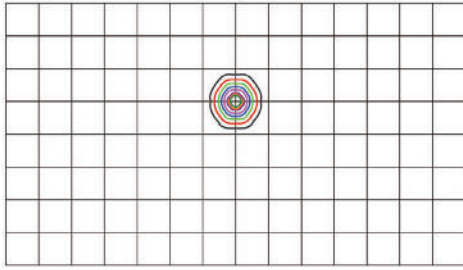


ISO Plot

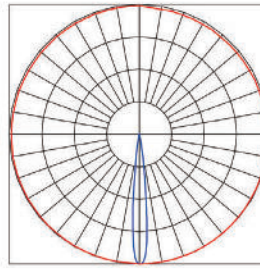
T5U

Average beam angle 10°

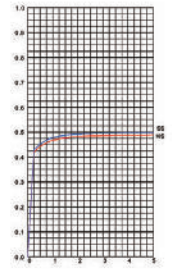
Typical use:
Stadium



Polar Curve



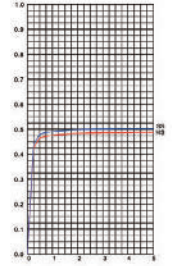
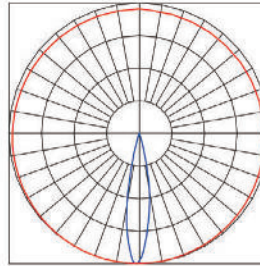
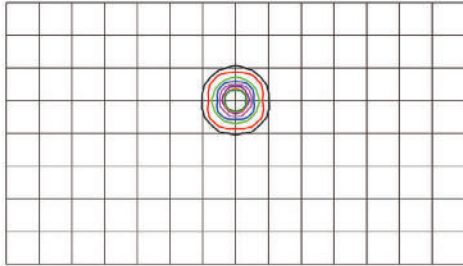
CU Graph



T5V

Average beam angle 25°

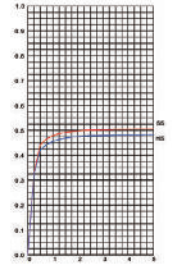
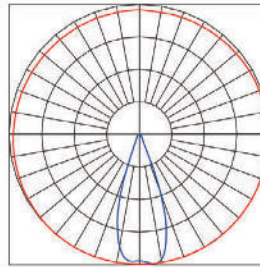
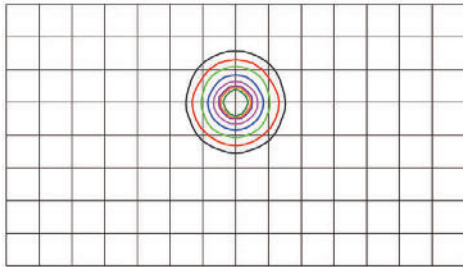
Typical use:
Stadium



T5W

Average beam angle 40°

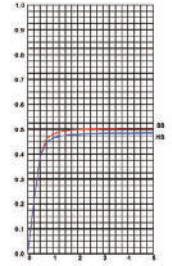
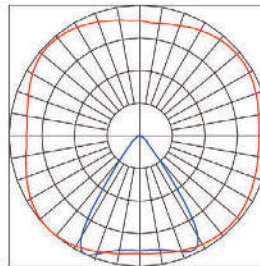
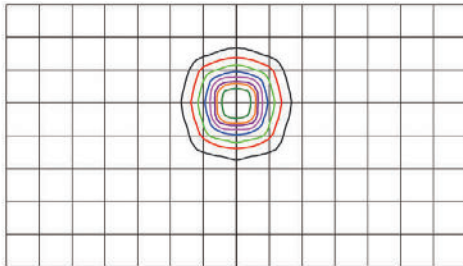
Typical use:
Architectural



T5S

Average beam angle 60°

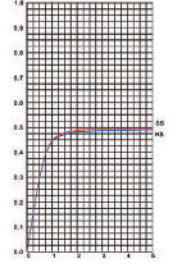
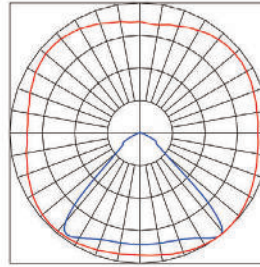
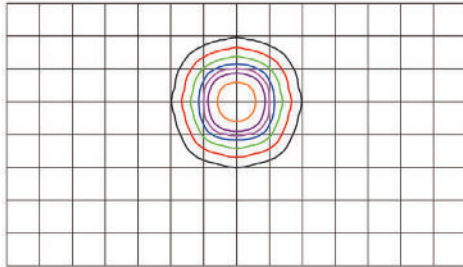
Typical use:
Industrial



T5M

Average beam angle 90°

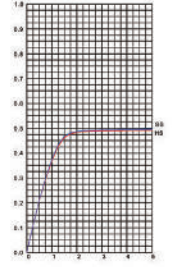
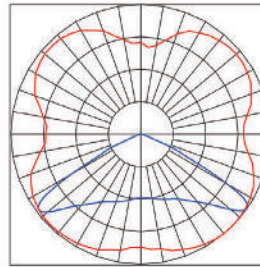
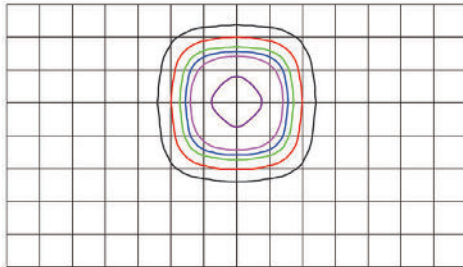
Typical use:
Industrial



T5L

Average beam angle 120°

Typical use:
Gas station

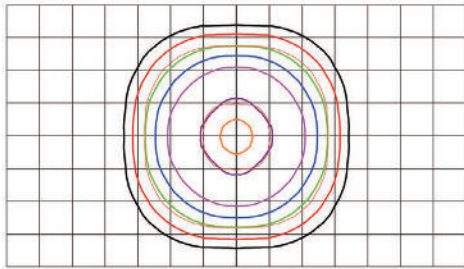


T5X

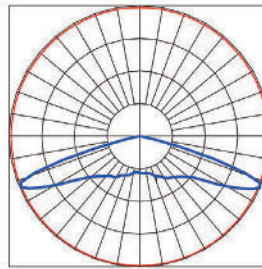
Average beam angle 150°

Typical use:
Industrial
Undercover carpark

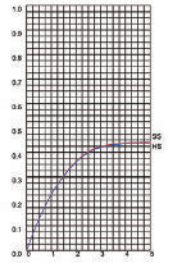
ISO Plot



Polar Curve



CU Graph

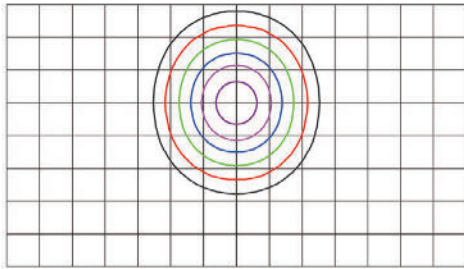


T5D

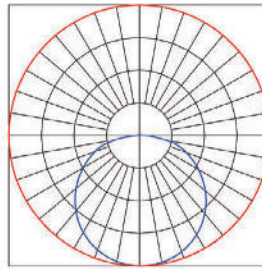
Diffuser

Typical use:
Industrial

ISO Plot



Polar Curve



CU Graph

