

ARRLUX



**LED FLOOD LIGHT
GAMA-C Series**



GAMA-C 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 smart lighting control options are available, e.g. photocell, motion sensor, 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

- Extremely flexible with almost 360 degree rotation.
- 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	IP67
SPD	Optional
Certificate/Qualification	UL/ CUL/ DLC/ LM79/ SAA/ ENEC/ CB/ CE/ ErP/ RoHS/ IK08
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	Grey/Black/Bronze/White

ORDERING INFORMATION

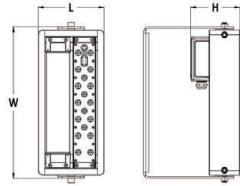
MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
FLA30 30W	FLB40 40W	FLC80* 80W	C	T1M Type I Medium	30K	★ BK Black (RAL:9011)	00 Not required	Bird Spike
FLA60 60W	FLB80 80W	FLC120* 120W		T2M Type II Medium	3045 ±175K		01 Photocell	10KA/20KA Surge Protection 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	BZ Bronze (RAL:8014)	03 Photocell + Motion Sensor	Safety Cable
FLA150 150W	FLB200 200W	FLC240* 240W		T4S Type IV Short	★ 50K 5028	WH White (RAL:9010)	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			
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

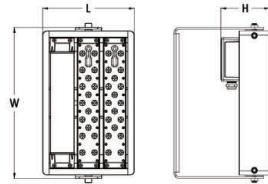
- Example 1: FLA30-C-T1M-50K-GR-03
- Example 2: FLB40-C-T5M-50K-BK-02
- Example 3: FLC80-C-T3L-50K-BZ-05

PRODUCTS



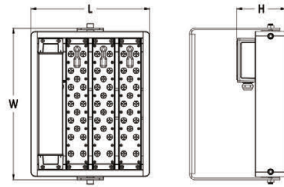
Model	FLA30-C/FLB40-C	Net Weight	4.45kg (9.81lbs)
LED Modules	1	Gross Weight	5.14kg (11.33lbs)
LEDs	18	Product Dimensions	150 x 345 x 112mm 5.91" x 13.58" x 4.41"
EPA (sq.ft.)	0.324	Carton Dimensions	365 x 415 x 160mm 14.37" x 16.34" x 6.3"

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



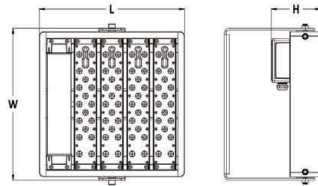
Model	FLA60-C/FLB80-C/FLC80-C	Net Weight	5.56kg (12.26lbs)
LED Modules	2	Gross Weight	6.26kg (13.80lbs)
LEDs	36	Product Dimensions	210 x 345 x 112mm 8.27" x 13.58" x 4.41"
EPA (sq.ft.)	0.347	Carton Dimensions	365 x 415 x 160mm 14.37" x 16.34" x 6.3"

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



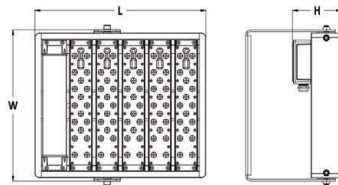
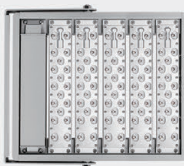
Model	FLA90-C/FLB120-C/FLC120-C	Net Weight	6.38kg (14.07lbs)
LED Modules	3	Gross Weight	7.21kg (15.90lbs)
LEDs	54	Product Dimensions	270 x 345 x 112mm 10.63" x 13.58" x 4.41"
EPA (sq.ft.)	0.372	Carton Dimensions	425 x 415 x 160mm 16.73" x 16.34" x 6.3"

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



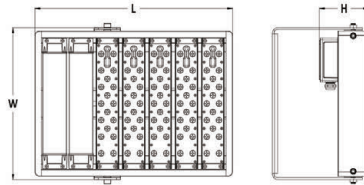
Model	FLA120-C/FLB160-C/FLC160-C	Net Weight	7.1kg (15.65lbs)
LED Modules	4	Gross Weight	8.22kg (18.12lbs)
LEDs	72	Product Dimensions	330 x 345 x 112mm 12.99" x 13.58" x 4.41"
EPA (sq.ft.)	0.404	Carton Dimensions	425 x 415 x 160mm 16.73" x 16.34" x 6.3"

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



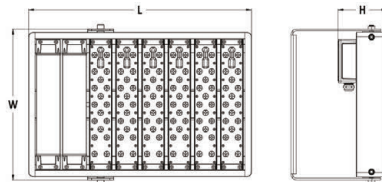
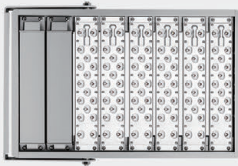
Model	FLA150-C	Net Weight	7.82kg (17.24lbs)
LED Modules	5	Gross Weight	8.8kg (19.40lbs)
LEDs	90	Product Dimensions	390 x 345 x 112mm 15.35" x 13.58" x 4.41"
EPA (sq.ft.)	0.437	Carton Dimensions	485 x 415 x 160mm 19.09" x 16.34" x 6.3"

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



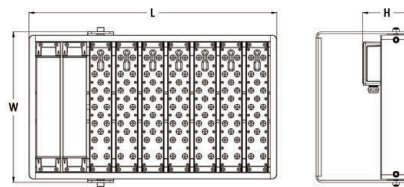
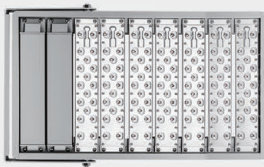
Model	FLB200-C/FLC200-C	Net Weight	8.63kg (19.00lbs)
LED Modules	5	Gross Weight	9.59kg (21.14lbs)
LEDs	90	Product Dimensions	450 x 345 x 112mm 17.72" x 13.58" x 4.41"
EPA (sq.ft.)	0.473	Carton Dimensions	545 x 415 x 160mm 21.46" x 16.34" x 6.3"

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



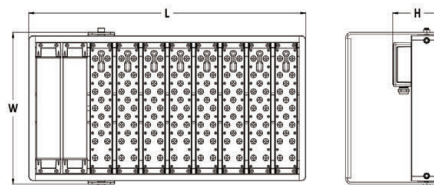
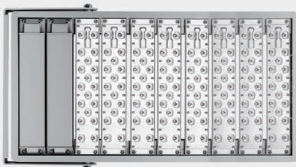
Model	FLA180-C/FLB240-C/FLC240-C	Net Weight	9.97kg (21.98lbs)
LED Modules	6	Gross Weight	11.07kg (24.41lbs)
LEDs	108	Product Dimensions	510 x 345 x 112mm 20.08" x 13.58" x 4.41"
EPA (sq.ft.)	0.509	Carton Dimensions	605 x 415 x 160mm 23.82" x 16.34" x 6.3"

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



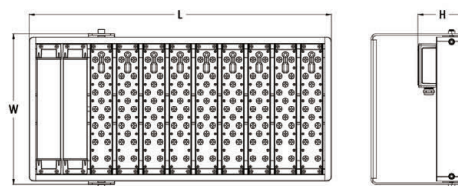
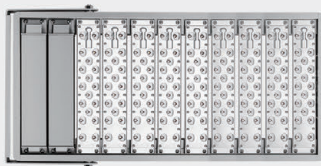
Model	FLA210-C/FLB280-C/FLC280-C	Net Weight	10.77kg (23.74lbs)
LED Modules	7	Gross Weight	11.87kg (26.17lbs)
LEDs	126	Product Dimensions	570 x 345 x 112mm 22.44" x 13.58" x 4.41"
EPA (sq.ft.)	0.548	Carton Dimensions	665 x 415 x 160mm 26.18" x 16.34" x 6.3"

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



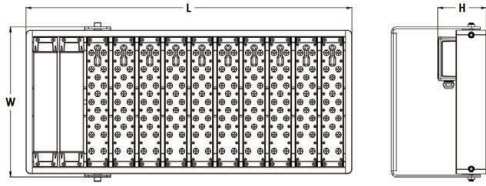
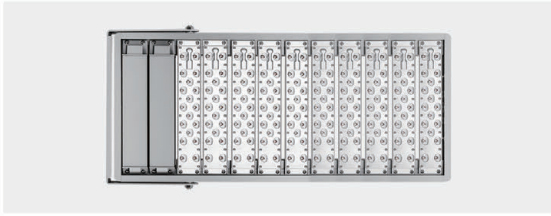
Model	FLA240-C/FLB320-C/FLC320-C	Net Weight	11.56kg (25.49lbs)
LED Modules	8	Gross Weight	12.66kg (27.91lbs)
LEDs	144	Product Dimensions	630 x 345 x 112mm 24.80" x 13.58" x 4.41"
EPA (sq.ft.)	0.588	Carton Dimensions	725 x 415 x 160mm 28.54" x 16.34" x 6.3"

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



Model	FLA270-C	Net Weight	12.26kg(27.03lbs)
LED Modules	9	Gross Weight	13.59kg(29.96lbs)
LEDs	162	Product Dimensions	690 x 345 x 112mm 27.17" x 13.58" x 4.41"
EPA (sq.ft.)	0.629	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	
FLA270-C	267W	120-277VAC	530mA	31239lm	34710lm	130

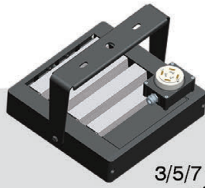


Model	FLA300-C	Net Weight	12.98kg (28.62lbs)
LED Modules	10	Gross Weight	14.43kg (31.81lbs)
LEDs	180	Product Dimensions	750 x 345 x 112mm 29.53" x 13.58" x 4.41"
EPA (sq.ft.)	0.668	Carton Dimensions	845 x 415 x 160mm 33.27" x 16.34" x 6.3"

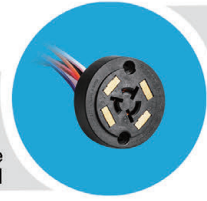
Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy(lm/W)
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FLA300-C	296W	120-277VAC	530mA	34632lm	38480lm	130

CUSTOMIZED SOLUTIONS

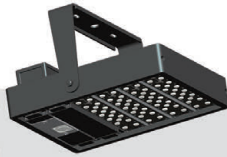
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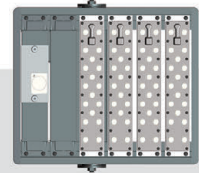
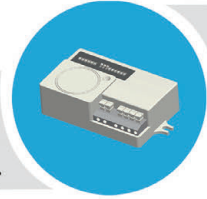
3/5/7 -pin NEMA Receptacle
+ Shorting Cap/Photocell



2



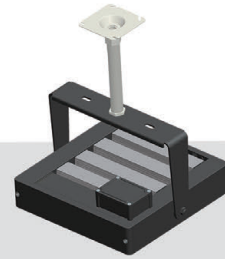
Motion Sensor



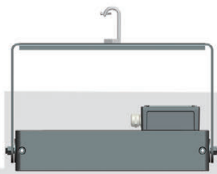
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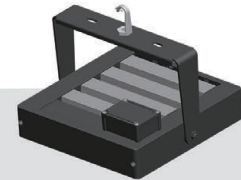
G3/4 pendant Rod
+ Ceiling Plate



4



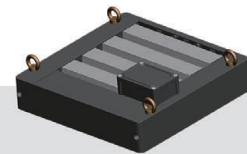
Suspension Hook



5



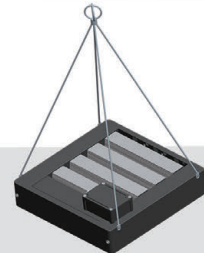
Suspension Rings



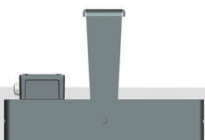
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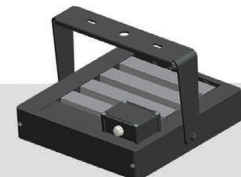
Steel Suspension
Cable



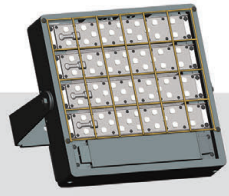
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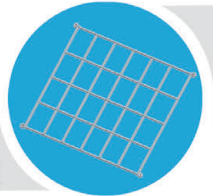
Mini Photocell



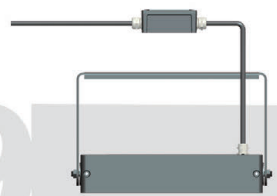
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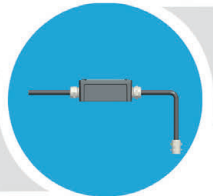
Anti-vandal Grill



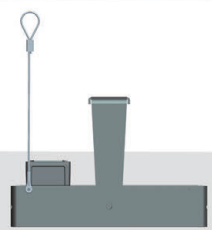
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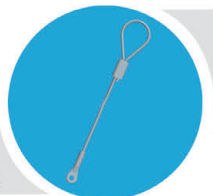
Separate Junction Box



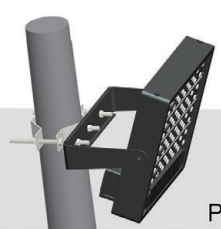
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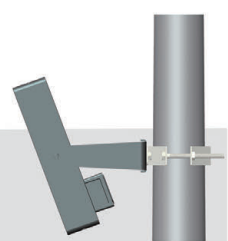
Safety Cable



11



Pole Bracket Clamp



12



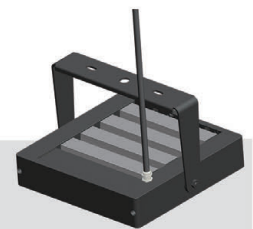
Garden Light



13



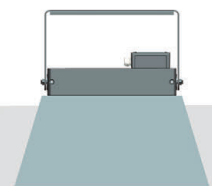
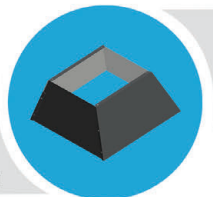
No Junction Box



14



Light Shielding



PHOTOMETRICS

ISO Plot

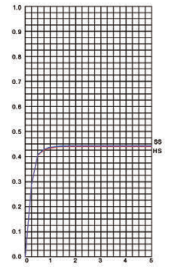
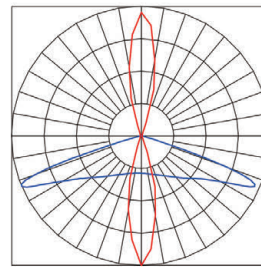
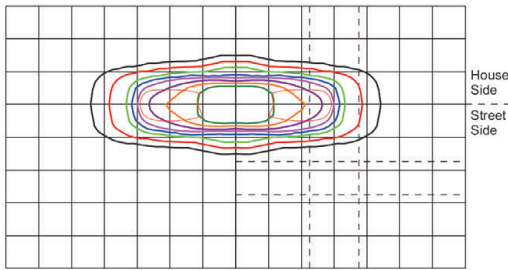
Polar Curve

CU Graph

T1M

Type I
Medium

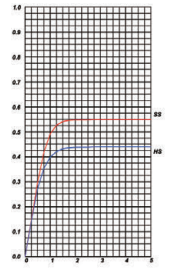
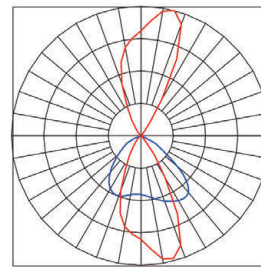
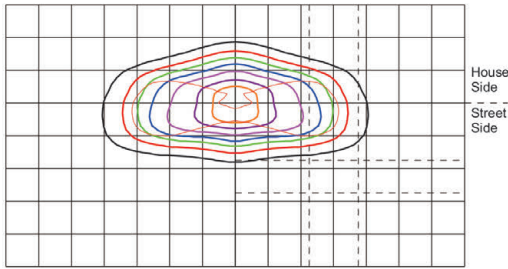
Typical use:
Industrial
Street/Roadside



T2M

Type II
Medium

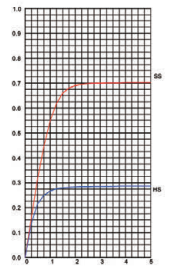
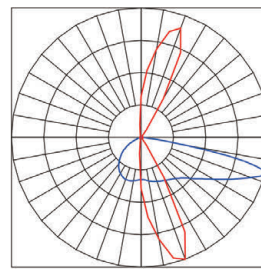
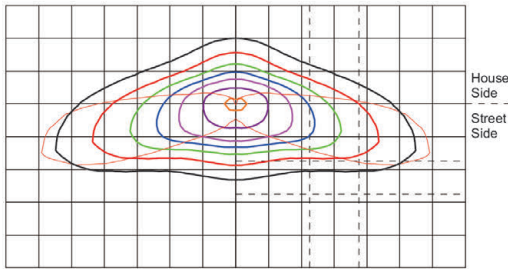
Typical use:
Street/Roadside



T3M

Type III
Medium

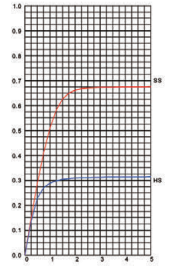
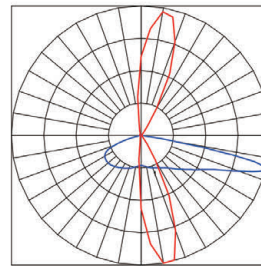
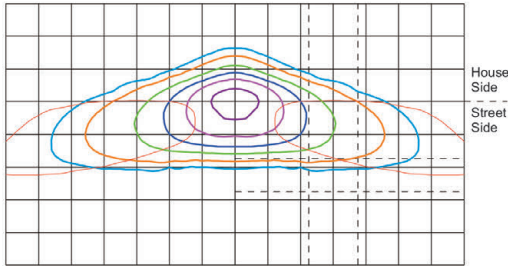
Typical use:
Street/Roadside



T3L

Type III
Long

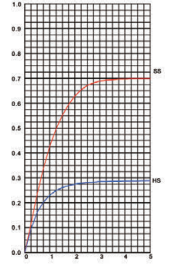
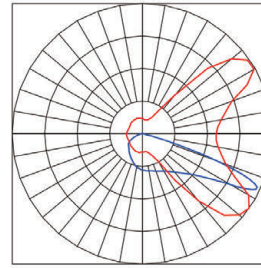
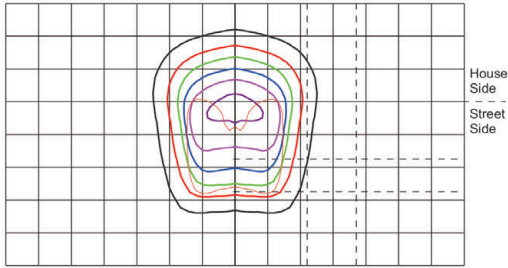
Typical use:
Street/Roadside



T4S

Type IV
Short

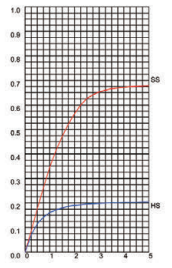
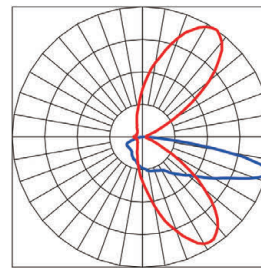
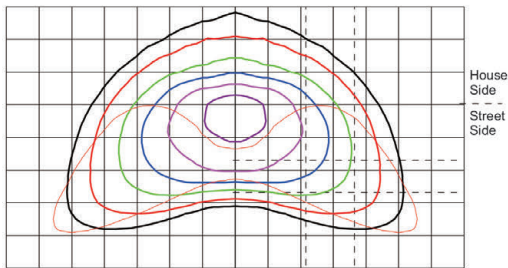
Typical use:
Area/High mast



T4M

Type IV
Medium

Typical use:
Highway/Multi-Lane

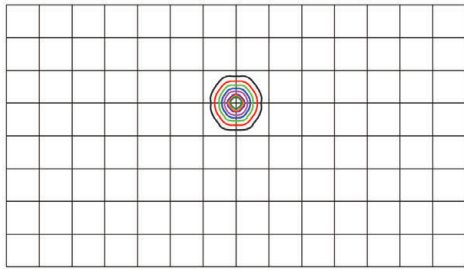


ISO Plot

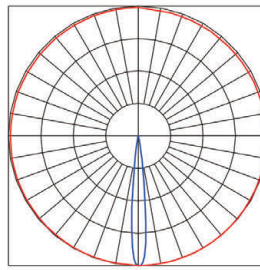
T5U

Average beam angle 10°

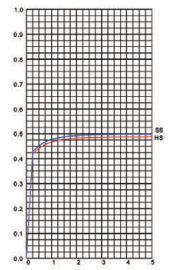
Typical use: Stadium



Polar Curve



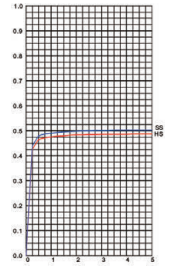
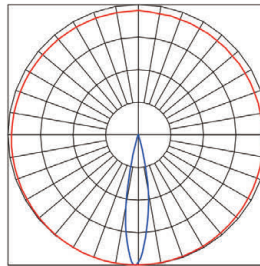
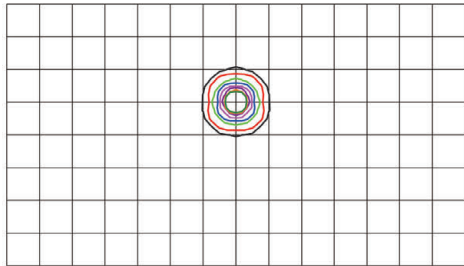
CU Graph



T5V

Average beam angle 25°

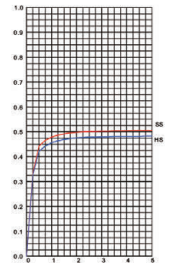
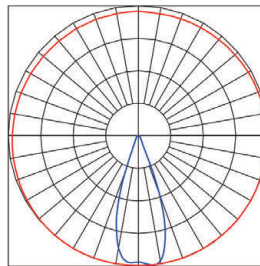
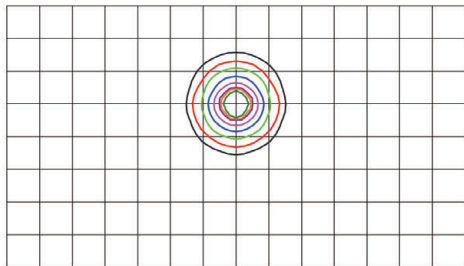
Typical use: Stadium



T5W

Average beam angle 40°

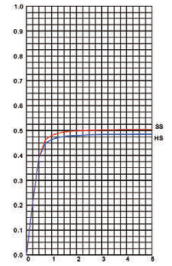
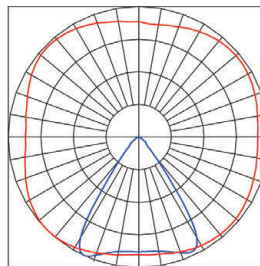
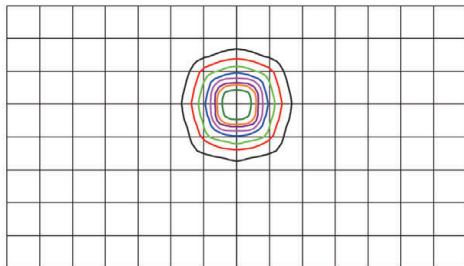
Typical use: Architectural



T5S

Average beam angle 60°

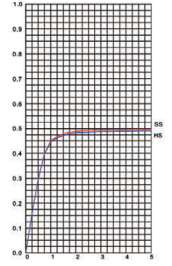
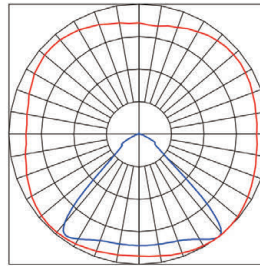
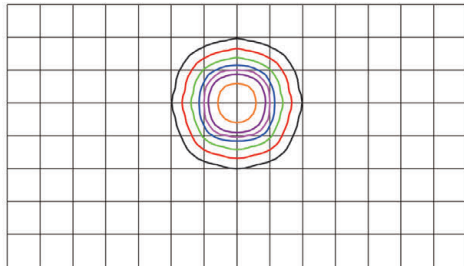
Typical use: Industrial



T5M

Average beam angle 90°

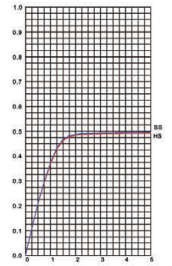
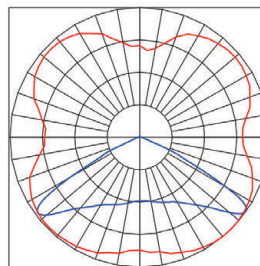
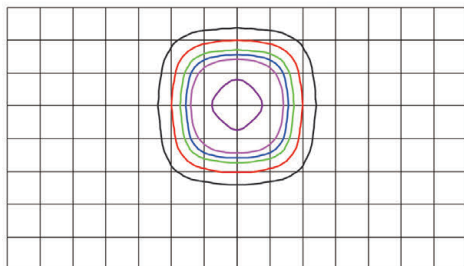
Typical use: Industrial



T5L

Average beam angle 120°

Typical use: Gas station

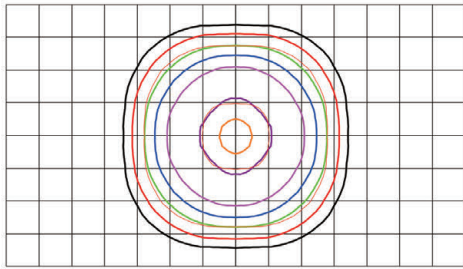


T5X

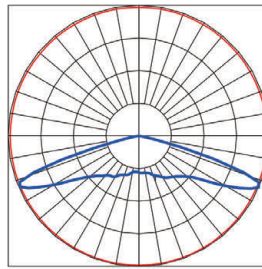
Average beam angle 150°

Typical use:
Industrial
Undercover carpark

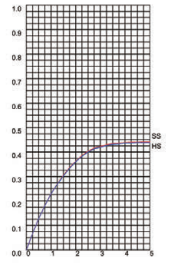
ISO Plot



Polar Curve



CU Graph

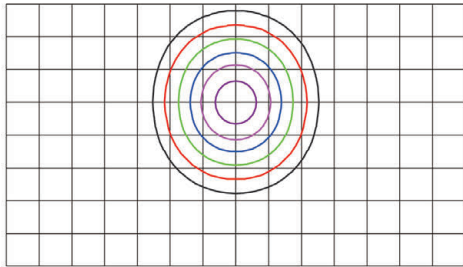


T5D

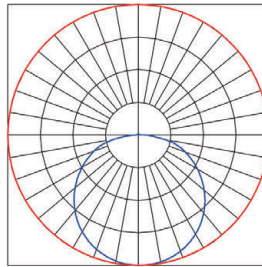
Diffuser

Typical use:
Industrial

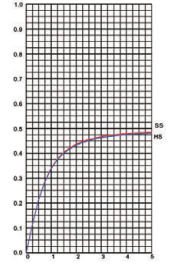
ISO Plot



Polar Curve



CU Graph



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