

GAMA-L SERIES FEATURES & BENEFITS

01. 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.

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

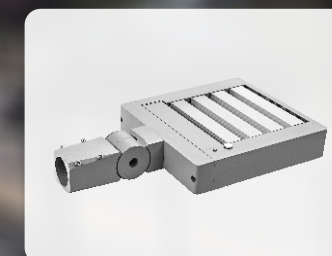
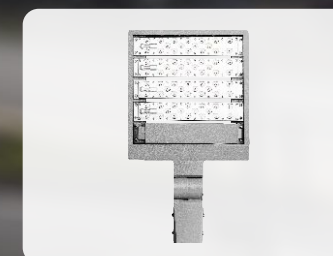
- Side-entry or post-top mounting.
- Slipfitter with +/- 90 degree of adjustment for leveling.
- Adjustable for 1 5/8-2 3/8" (42mm-60mm) O.D. tenon.
- Interchangeable with the other GAMA Series with a bracket change.
- Brackets are available for different installations.

05. 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.

06. Product Certifications

- UL/ CUL/DLC/ LM79/ SAA/ ENEC/ CB/ CE/ ErP/ 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)



TECHNICAL PARAMETERS

PRODUCT MODEL

Power	30-320W	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/ ENEC/ CB/ CE/ ErP/ 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

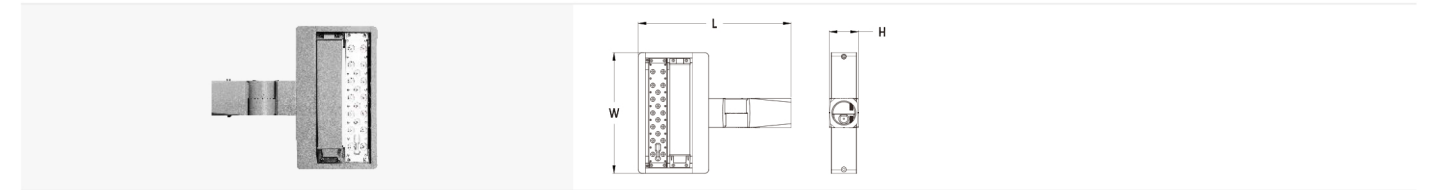
MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
FLA30 30W	FLB40 40W	FLC80* 80W	L	T1M Type I Medium	30K 3045	★ BK Black (RAL:9011)	00 Not required	Bird Spike
FLA60 60W	FLB80 80W	FLC120* 120W		T2M Type II Medium	±175K		GR Grey (RAL:7004)	01 Photocell
FLA90 90W	FLB120 120W	FLC160* 160W		T3M Type III Medium	★ 40K 3985	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:8019)	
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

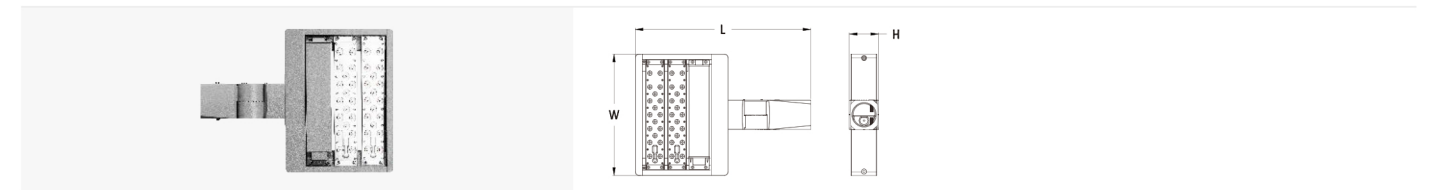
● Example 1: FLA30-L-T5S-50K-BK-00

● Example 2: FLB40-L-T5U-50K-BK-04



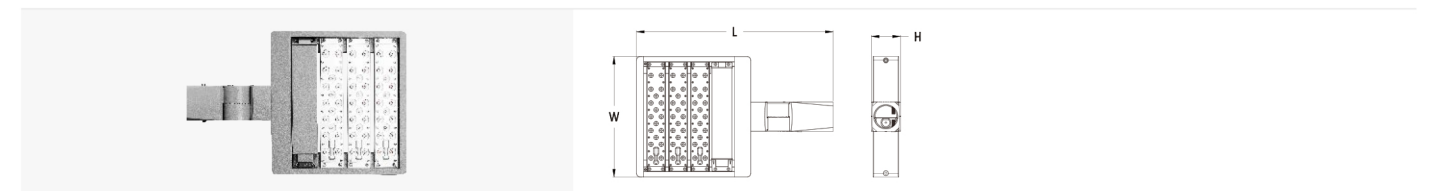
Model	FLA30-L/FLB40-L	Net Weight	4.98kg(10.98lbs)
LED Modules	1	Gross Weight	5.97kg(13.16lbs)
LEDs	18	Product Dimensions	418x330x70mm 16.46"x12.99"x2.76"
EPA(sq.ft.)	0.283	Carton Dimensions	365x415x160mm 14.37"x16.34"x6.30"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
FLA30-L	31W	120-277VAC	530mA	3627lm	4030lm	130
FLB40-L	41W	120-277VAC	700mA	4613lm	5125lm	125



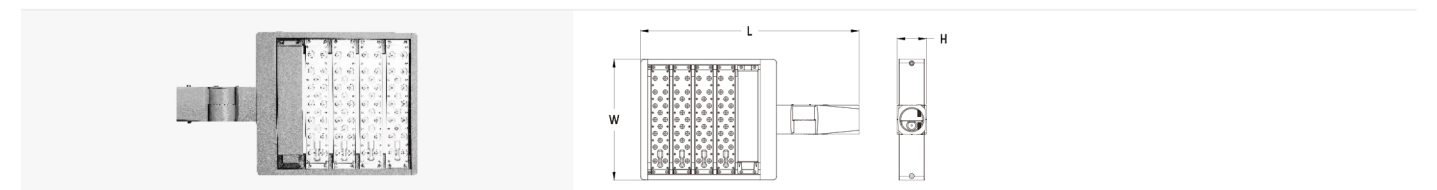
Model	FLA60-L/FLB80-L/FLC80-L	Net Weight	5.79kg(12.76lbs)
LED Modules	2	Gross Weight	6.67kg(14.70lbs)
LEDs	36	Product Dimensions	478x330x70mm 18.82"x12.99"x2.76"
EPA(sq.ft.)	0.308	Carton Dimensions	425x415x160mm 16.73"x16.34"x6.30"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
FLA60-L	61W	120-277VAC	530mA	7247lm	8052lm	132
FLB80-L	78W	120-277VAC	700mA	8986lm	9984lm	128
FLC80-L	78W	347-480VAC	700mA	8986lm	9984lm	128



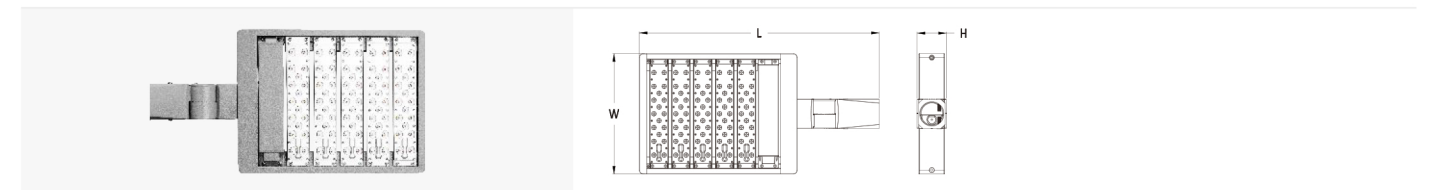
Model	FLA90-L/FLB120-L/FLC120-L	Net Weight	6.90kg(15.21lbs)
LED Modules	3	Gross Weight	8.03kg(17.70lbs)
LEDs	54	Product Dimensions	538x330x70mm 21.18"x12.99"x2.76"
EPA(sq.ft.)	0.336	Carton Dimensions	485x415x160mm 19.09"x16.34"x6.30"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
FLA90-L	87W	120-277VAC	530mA	10571lm	11745lm	135
FLB120-L	118W	120-277VAC	700mA	13806lm	15340lm	130
FLC120-L	118W	347-480VAC	700mA	13806lm	15340lm	130



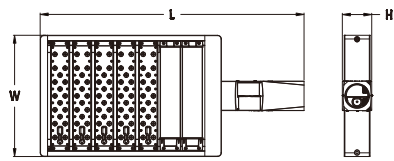
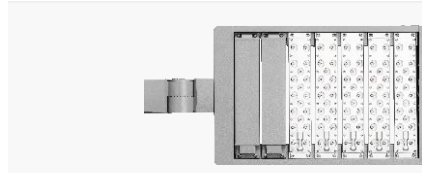
Model	FLA120-L/FLB160-L/FLC160-L	Net Weight	7.79kg(17.17lbs)
LED Modules	4	Gross Weight	8.72kg(19.22lbs)
LEDs	72	Product Dimensions	598x330x70mm 23.54"x12.99"x2.76"
EPA(sq.ft.)	0.388	Carton Dimensions	545x415x160mm 21.46"x16.34"x6.30"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
FLA120-L	110W	120-277VAC	530mA	13365lm	14850lm	135
FLB160-L	156W	120-277VAC	700mA	18252lm	20280lm	130
FLC160-L	156W	347-480VAC	700mA	18252lm	20280lm	130



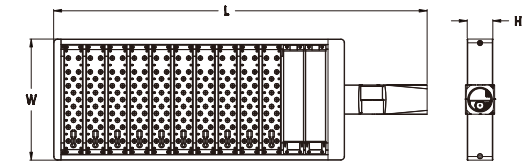
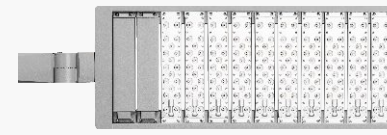
Model	FLA150-L	Net Weight	8.68kg(19.14lbs)
LED Modules	5	Gross Weight	9.41kg(20.75lbs)
LEDs	90	Product Dimensions	658x330x70mm 25.91"x12.99"x2.76"
EPA(sq.ft.)	0.403	Carton Dimensions	605x415x160mm 23.82"x16.34"x6.30"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
FLA150-L	141W	120-277VAC	530mA	17132lm	19035lm	135



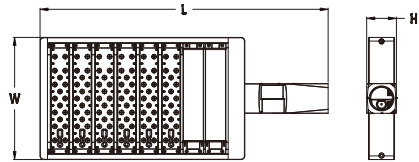
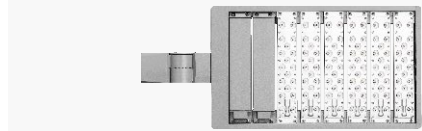
Model	FLB200-L/FLC200-L	Net Weight	9.42kg(20.77lbs)
LED Modules	5	Gross Weight	10.73kg(23.66lbs)
LEDs	90	Product Dimensions	718x330x70mm 28.27"x12.99"x2.76"
EPA(sq.ft.)	0.438	Carton Dimensions	665x415x160mm 26.18"x16.34"x6.30"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
FLB200-L	196W	120-277VAC	700mA	22932lm	25480lm	130
FLC200-L	196W	347-480VAC	700mA	22932lm	25480lm	130



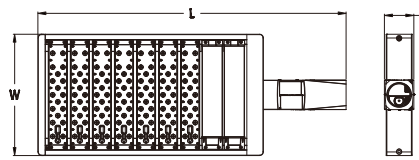
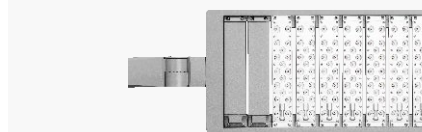
Model	FLA300-L	Net Weight	13.93kg(30.71lbs)
LED Modules	10	Gross Weight	16.22kg(35.76lbs)
LEDs	180	Product Dimensions	1018x330x70mm 40.08"x12.99"x2.76"
EPA(sq.ft.)	0.638	Carton Dimensions	965x415x160mm 37.99"x16.34"x6.30"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
FLA300-L	283W	120-277VAC	530mA	34385lm	38205lm	135



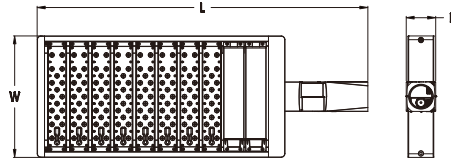
Model	FLA180-L/FLB240-L/FLC240-L	Net Weight	10.63kg(23.44lbs)
LED Modules	6	Gross Weight	11.80kg(26.01lbs)
LEDs	108	Product Dimensions	778x330x70mm 30.63"x12.99"x2.76"
EPA(sq.ft.)	0.477	Carton Dimensions	725x415x160mm 28.54"x16.34"x6.30"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
FLA180-L	172W	120-277VAC	530mA	20898lm	23220lm	135
FLB240-L	234W	120-277VAC	700mA	27378lm	30420lm	130
FLC240-L	234W	347-480VAC	700mA	27378lm	30420lm	130



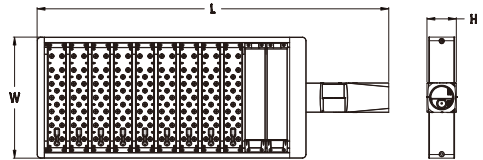
Model	FLA210-L/FLB280-L/FLC280-L	Net Weight	11.24kg(24.78lbs)
LED Modules	7	Gross Weight	12.48kg(27.51lbs)
LEDs	126	Product Dimensions	838x330x70mm 32.99"x12.99"x2.76"
EPA(sq.ft.)	0.517	Carton Dimensions	785x415x160mm 30.91"x16.34"x6.30"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
FLA210-L	202W	120-277VAC	530mA	24543lm	27270lm	135
FLB280-L	274W	120-277VAC	700mA	32058lm	35620lm	130
FLC280-L	274W	347-480VAC	700mA	32058lm	35620lm	130



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	898x330x70mm 35.35"x12.99"x2.76"
EPA(sq.ft.)	0.556	Carton Dimensions	845x415x160mm 33.27"x16.34"x6.30"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
FLA240-L	240W	120-277VAC	530mA	27702lm	30780lm	135
FLB320-L	323W	120-277VAC	700mA	36270lm	40300lm	130
FLC320-L	323W	347-480VAC	700mA	36270lm	40300lm	130



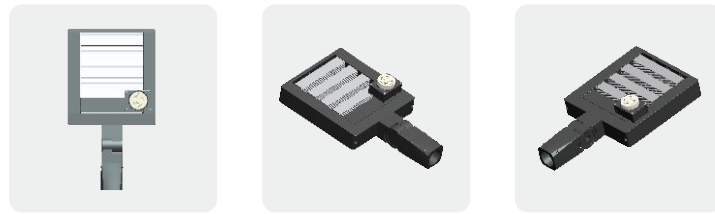
Model	FLA270-L	Net Weight	12.94kg(28.53lbs)
LED Modules	9	Gross Weight	14.88kg(32.80lbs)
LEDs	162	Product Dimensions	958x330x70mm 37.72"x12.99"x2.76"
EPA(sq.ft.)	0.596	Carton Dimensions	905x415x160mm 35.63"x16.34"x6.30"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
FLA270-L	267W	120-277VAC	530mA	31104lm	34560lm	135

CUSTOMIZED SOLUTIONS



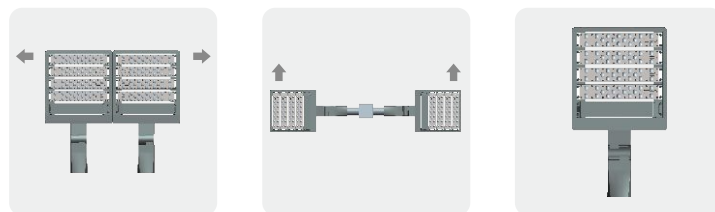
01.3/5/7 -pin NEMA Receptacle+Shorting Cap/Photocell



02.Motion Sensor



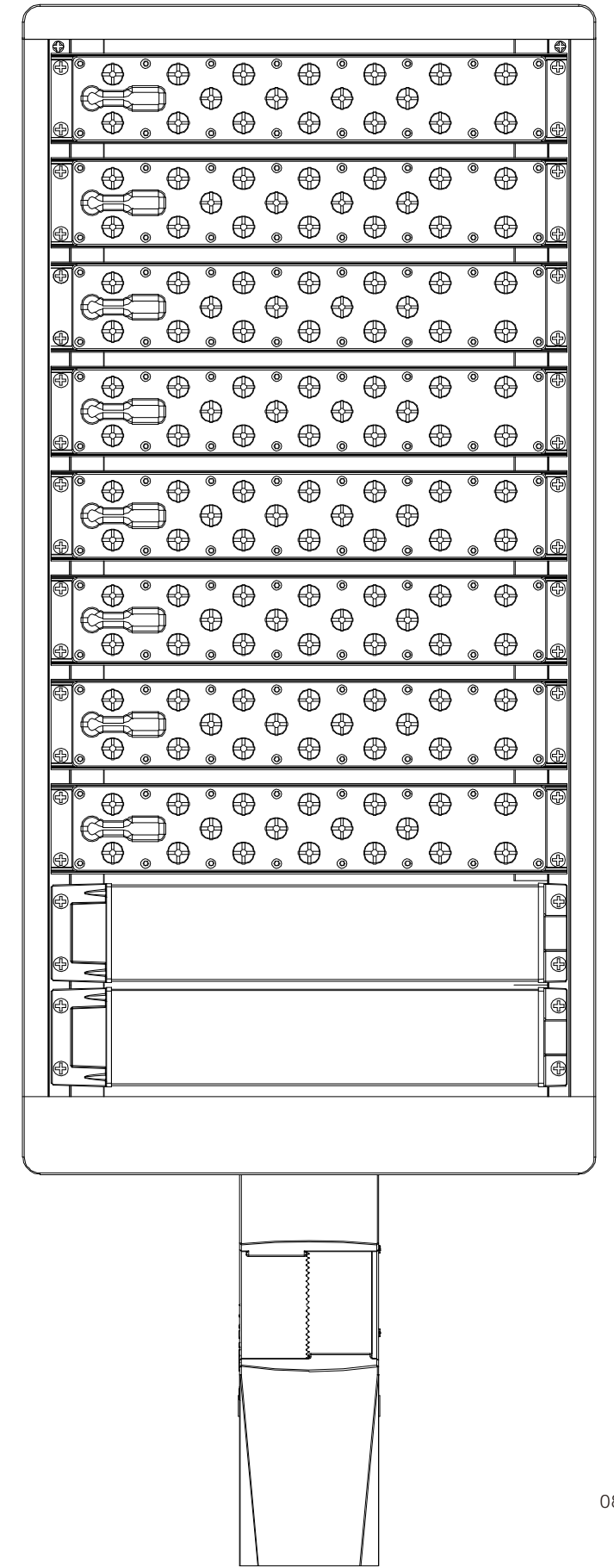
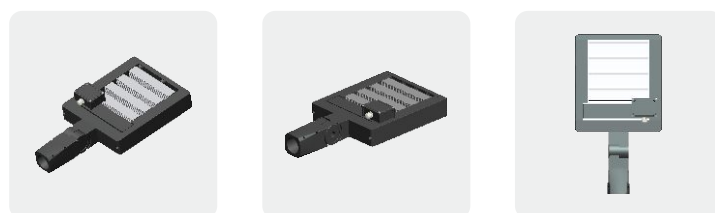
03.Left Throw & Right Throw Lens



04.Backlight Shield



05.Mini Photocell

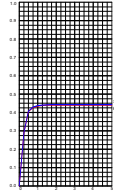
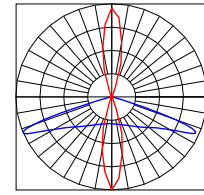
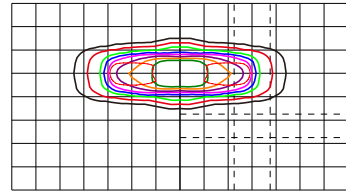


ACCESSORIES OPTICS

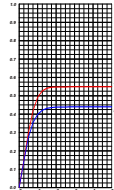
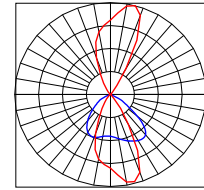
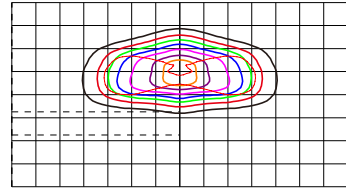
ISO Plot

Polar Curve

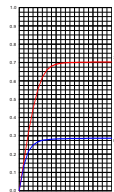
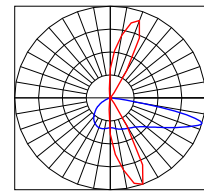
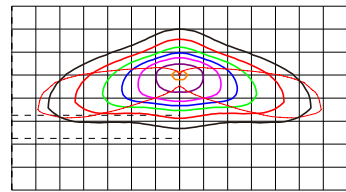
Cu Graph



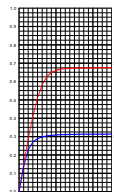
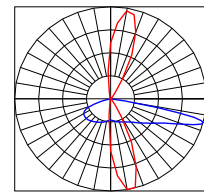
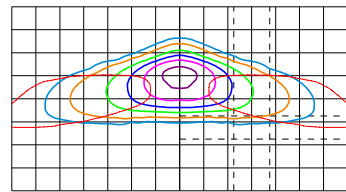
T1M Type I Medium



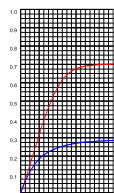
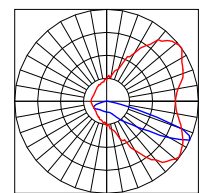
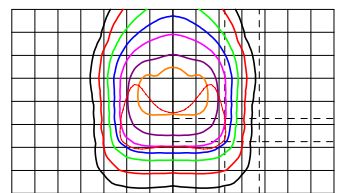
T2M Type II Medium



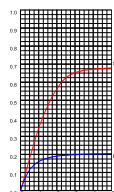
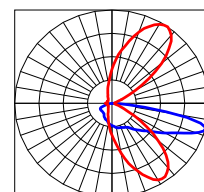
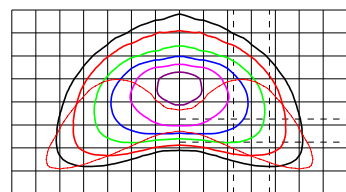
T3M Type III Medium



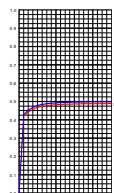
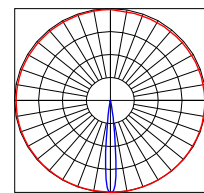
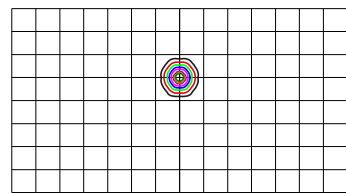
T3L Type III Long



T4S Type IV Short



T4M Type IV Medium

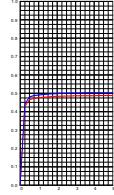
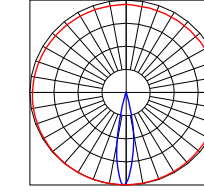
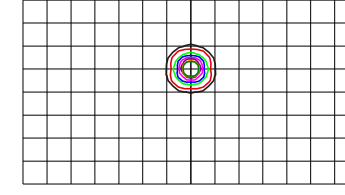


T5U Average beam angle 10°

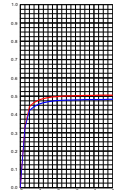
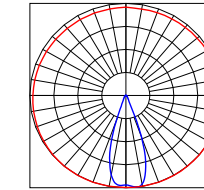
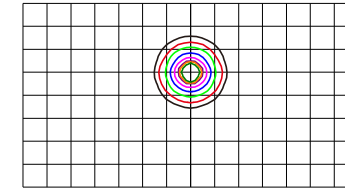
ISO Plot

Polar Curve

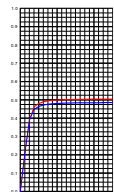
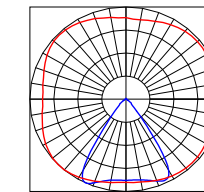
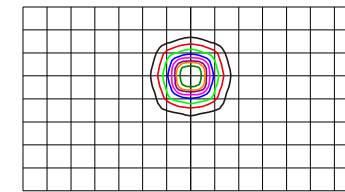
Cu Graph



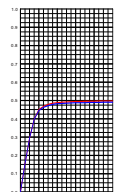
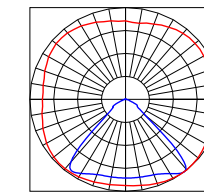
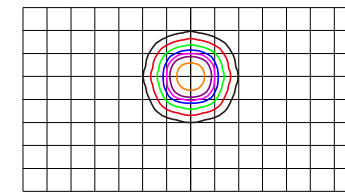
T5V Average beam angle 25°



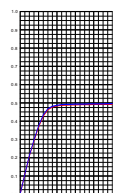
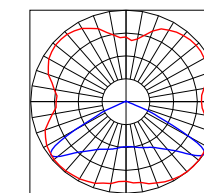
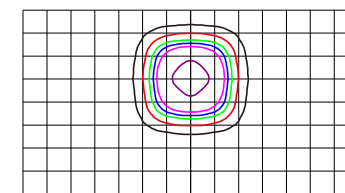
T5W Average beam angle 40°



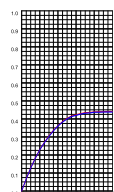
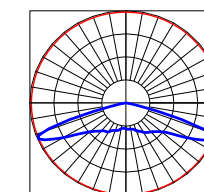
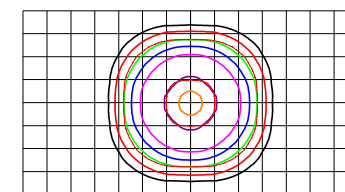
T5S Average beam angle 60°



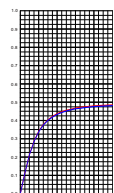
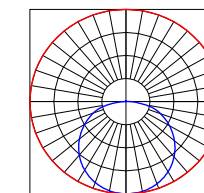
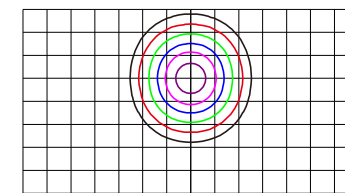
T5M Average beam angle 90°



T5L Average beam angle 120°



T5X Average beam angle 150°



T5D Diffuser