SunRise LED Inc.™

FLOOD LIGHT/CANOPY LIGHT

GAMA-U SERIES

GAMA-U 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.
- Meets 3G vibration per ANSI C136.31-2010.
- 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

- Extremely flexible with 360 degree rotation.
- 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 smart lighting control options are available, e.g. photocell, motion sensor, 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 theDLC Qualified Products List at www.designlights.org)

UB customed option is optional: cPower installed on both sides

TECHNICAL PARAMETERS

Power	30~ 320W
Input	120-277VAC or 220-240VAC or 347-480 VAC
PF	>0.95
THD	<20%
L70/L90	>200,000H/>60,000H
Operating Temperature	-40℃ ~ +50℃
Typical Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90

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

* Standard

ORDERING INFORMATION

MODEL (Norminal Power)			MOUNTING
FLA30 30W	**FLB40** 40W	**FLC80*** 80W	**U**
FLA60 60W	**FLB80** 80W	**FLC120*** 120W	※ **UB**
FLA90 90W	**FLB120** 120W	**FLC160*** 160W	
FLA120 120W	**FLB160** 160W	**FLC200*** 200W	
FLA150 150W	**FLB200** 200W	**FLC240*** 240W	
FLA180 180W	**FLB240** 240W	**FLC280*** 280W	
FLA210 210W	**FLB280** 280W	**FLC320*** 320W	
FLA240 240W	**FLB320** 320W		
FLA270 270W			
FLA300 300W			

OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
T1M Type I Medium	**30K** 3045 ±175K	★ **BK** Black (RAL:9011)	**00** Not required	Bird Spike
T2M Type II Medium	★ **40K** 3985 ±275K	**GR** Grey (RAL:7004)	**01** Photocell	10KA/20KA Surge Protection Device
T3M Type III Medium	**50K** 5028 ±283K	**BZ** Bronze (RAL:8019)	**02** Motion Sensor	Back Light Shield
T3L Type III Long	**57K** 5665 ±355K	**WH** White (RAL:9010)	**03** Photocell + Motion Sensor	Safety Cable
T4S Type IV Short			**04** DALI	
T4M Type IV Medium			**05** 1-10V dimming	
T5U Average beam angle 10°				
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				

* DALI & Motion sensor unavailable

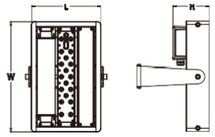
★ Regularly stocked item

※ Customization is available

● Example 1: FLA30-U-T2M-50K-GR-03

● Example 2: FLB40-U-T5M-50K-BK-02

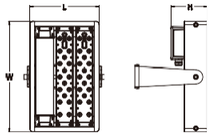
PRODUCT MODEL



Model	FLA30-U/FLB40-U
LED Modules	1
LEDs	18
EPA(sq.ft.)	0.347

Net Weight	5.04kg(11.10lbs)
Gross Weight	5.61kg(12.37lbs)
Product Dimensions	210x330x110mm 8.27"x12.99"x4.33"
Carton Dimensions	305x415x160mm 12.01"x16.34"x6.3"

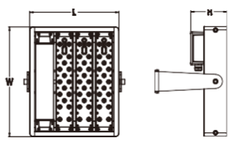
Model No.	System Power	Voltage	Drive Current	Lumin ous Flux 3000K	Lumin ous Flux 4000 /5000K	Efficacy (lm/W)
FLA30-U	31W	120-277VAC	530mA	3627lm	4030lm	130
FLB40-U	41W	120-277VAC	700mA	4613lm	5125lm	125



Model	FLA60-U/FLB80-U/ FLC80-U
LED Modules	2
LEDs	36
EPA(sq.ft.)	0.347

Net Weight	5.19kg(11.44lbs)
Gross Weight	5.81kg(12.81lbs)
Product Dimensions	210x330x110mm 8.27"x12.99"x4.33"
Carton Dimensions	305x415x160mm 12.01"x16.34"x6.3"

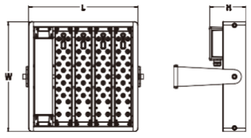
Model No.	System Power	Voltage	Drive Current	Luminous Flux 3000K	Luminous Flux 4000 /5000K	Efficacy (lm/W)
FLA60-U	61W	120-277VAC	530mA	7247lm	8052lm	132
FLB80-U	78W	120-277VAC	700mA	8986lm	9984lm	128
FLC80-U	78W	347-480VAC	700mA	8986lm	9984lm	128



Model	FLA90-U/FLB120-U/ FLC120-U
LED Modules	3
LEDs	54
EPA(sq.ft.)	0.372

Net Weight	5.92kg(13.05lbs)
Gross Weight	6.64kg(14.57lbs)
Product Dimensions	270x330x110mm 10.63"x12.99"x4.33"
Carton Dimensions	365x415x160mm 14.37"x16.34"x6.30"

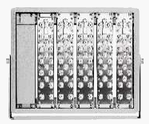
Model No.	System Power	Voltage	Drive Current	Luminous Flux 3000K	Luminous Flux 4000 /5000K	Efficacy (lm/W)
FLA90-U	87W	120-277VAC	530mA	10571lm	11745lm	135
FLB120-U	118W	120-277VAC	700mA	13806lm	15340lm	130
FLC120-U	118W	347-480VAC	700mA	13806lm	15340lm	130

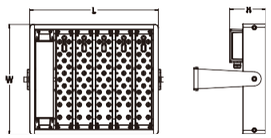


Model	FLA120-U/FLB160-U/ FLC160-U
LED Modules	4
LEDs	72
EPA(sq.ft.)	0.404

Net Weight	7.16kg(15.79lbs)
Gross Weight	7.99kg(17.61lbs)
Product Dimensions	330x330x110mm 12.99"x12.99"x4.33"
Carton Dimensions	425x415x160mm 16.73"x16.34"x6.30"

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

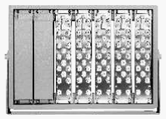


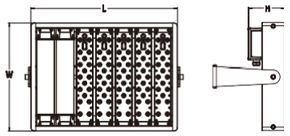


Model	FLA150-U
LED Modules	5
LEDs	90
EPA(sq.ft.)	0.437

Net Weight	8.13kg(17.92lbs)
Gross Weight	9.11kg(20.08lbs)
Product Dimensions	390x330x110mm 15.35"x12.99"x4.33"
Carton Dimensions	485x415x160mm 19.09"x16.34"x6.30"

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

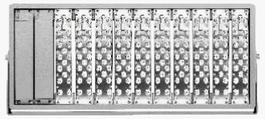


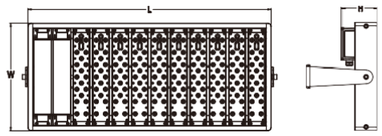


Model	FLB200-U/FLC200-U
LED Modules	5
LEDs	90
EPA(sq.ft.)	0.473

Net Weight	9.06kg(19.97lbs)
Gross Weight	9.92kg(21.87lbs)
Product Dimensions	450x330x110mm 17.72"x12.99"x4.33"
Carton Dimensions	545x415x160mm 21.46"x16.34"x6.30"

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

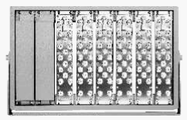


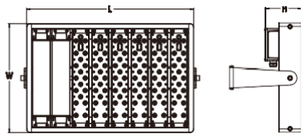


Model	FLA300-U
LED Modules	10
LEDs	180
EPA(sq.ft.)	0.668

Net Weight	14.11kg(31.11lbs)
Gross Weight	15.56kg(34.30lbs)
Product Dimensions	750x330x110mm 29.53"x12.99"x4.33"
Carton Dimensions	845x415x160mm 33.27"x16.34"x6.30"

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

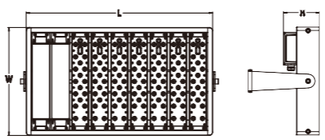




Model	FLA180-U/FLB240-U/ FLC240-U
LED Modules	6
LEDs	108
EPA(sq.ft.)	0.509

Net Weight	10.20kg(22.49lbs)
Gross Weight	11.21kg(24.71lbs)
Product Dimensions	510x330x110mm 20.08"x12.99"x4.33"
Carton Dimensions	605x415x160mm 23.82"x16.34"x6.30"

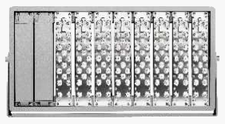
Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
FLA180-U	172W	120-277VAC	530mA	20898lm	23220lm	135
FLB240-U	234W	120-277VAC	700mA	27378lm	30420lm	130
FLC240-U	234W	347-480VAC	700mA	27378lm	30420lm	130

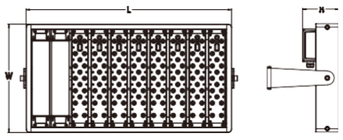


Model	FLA210-U/FLB280-U/ FLC280-U
LED Modules	7
LEDs	126
EPA(sq.ft.)	0.548

Net Weight	11.28kg(24.87lbs)
Gross Weight	12.98kg(28.61lbs)
Product Dimensions	570x330x110mm 22.44"x12.99"x4.33"
Carton Dimensions	665x415x160mm 26.18"x16.34"x6.30"

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

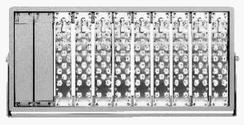


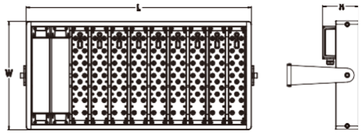


Model	FLA240-U/FLB320-U/ FLC320-U
LED Modules	8
LEDs	144
EPA(sq.ft.)	0.588

Net Weight	12.18kg(26.85lbs)
Gross Weight	13.40kg(29.54lbs)
Product Dimensions	630x330x110mm 24.80"x12.99"x4.33"
Carton Dimensions	725x415x160mm 28.54"x16.34"x6.30"

Model No.	System Power	Voltage	Drive Current	Lumin ous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
FLA240-U	228W	120-277VAC	530mA	27702lm	30780lm	135
FLB320-U	310W	120-277VAC	700mA	36270m	40300lm	130
FLC320-U	310W	347-480VAC	700mA	36270lm	40300lm	130





Model	FLA270-U
LED Modules	9
LEDs	162
EPA(sq.ft.)	0.629

Net Weight	13.15kg(28.99lbs)
Gross Weight	14.48kg(31.92lbs)
Product Dimensions	690x330x110mm 27.17"x12.99"x4.33"
Carton Dimensions	785x415x160mm 30.91"x16.34"x6.30"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
FLA270-U	256W	120-277VAC	530mA	31104lm	34560lm	135

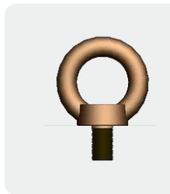
CUSTOMIZED SOLUTIONS

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

02. Motion Sensor

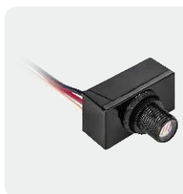
03. G3/4 pendant Rod+Ceiling Plate

04. Suspension Hook

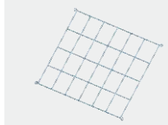


05. Suspension Rings

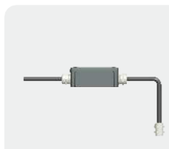
06. Steel Suspension Cable



07. Mini Photocell



08.Anti-vandal Grill

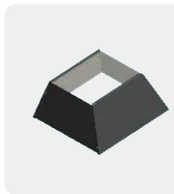


09.Separate Junction Box

10.Safety Cable

11.Garden Light

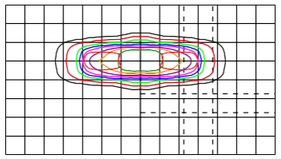
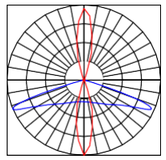
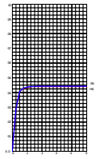
12.No Junction Box



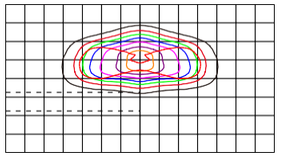
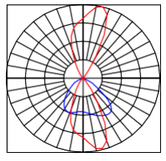
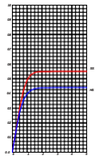
13.Light Shielding

ACCESSORIES
OPTICS

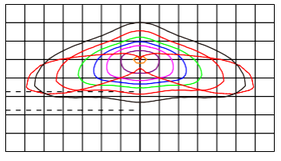
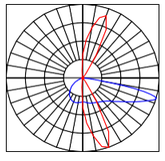
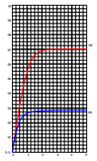
ISO Plot | Polar Curve | Cu Graph

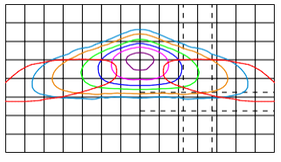
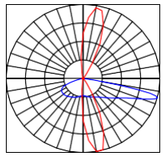
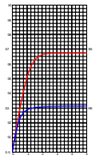
T1M Type I Medium

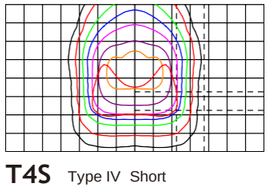
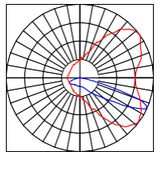
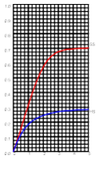
T2M Type II Medium

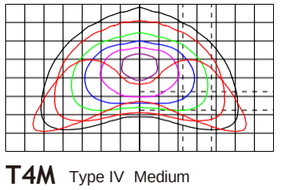
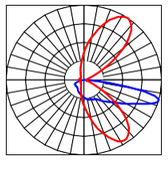
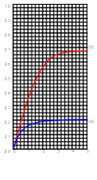
T3M Type III Medium

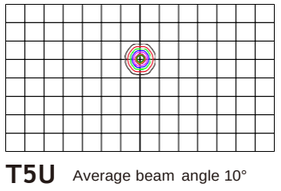
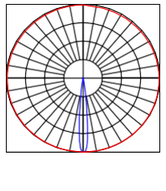
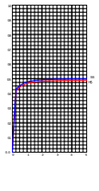
T3L Type III Long

T4S Type IV Short

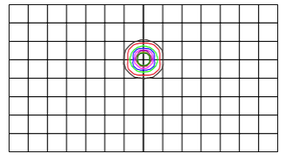
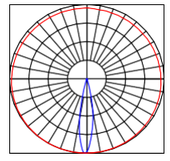
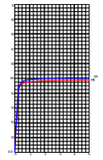




T4M Type IV Medium

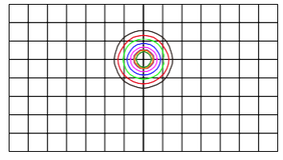
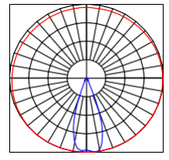
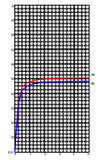




T5U Average beam angle 10°

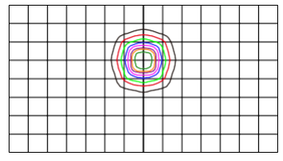
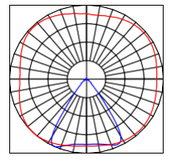
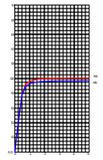
ISO Plot | Polar Curve | Cu Graph

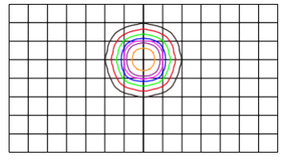
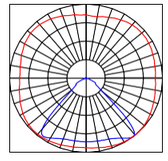
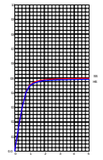
T5V Average beam angle 25°

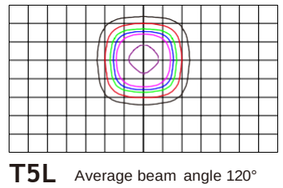
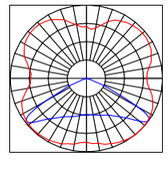
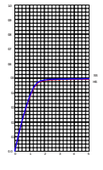
T5W Average beam angle 40°

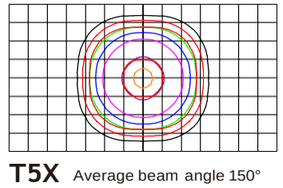
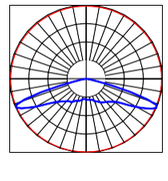
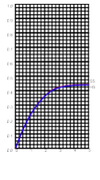
T5S Average beam angle 60°

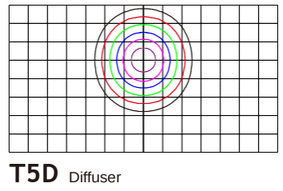
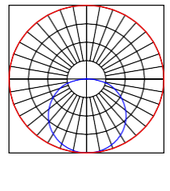
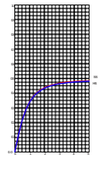
T5M Average beam angle 90°

T5L Average beam angle 120°

T5X Average beam angle 150°

T5D Diffuser