



PROFESSIONAL LIGHTING PRODUCT CATALOG

2017 V3



LED STREET LIGHT

ALFA Series



The ALFA series is an ideal solution for street lighting, available in multiple drive currents and optical distributions. Combining it with our optional motion sensor allows for even greater energy savings.

FEATURES & BENEFITS

- 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.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 20 optical lenses are available for virtually any application.
- Slipfitter with +/- 20 degree of adjustment for leveling.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.
- 10 years limited warranty available.

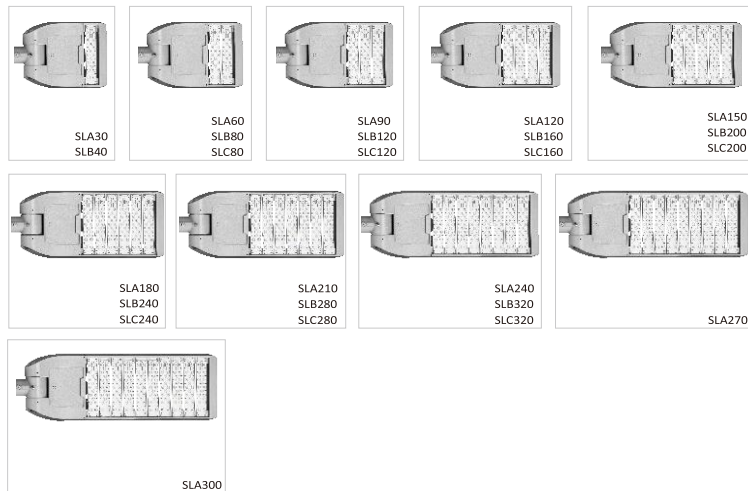
CERTIFICATIONS

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

TECHNICAL PARAMETERS

Power	30- 320W
Input	120-277VAC or 220-240VAC or 347-480VAC or 12-24VDC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP67
SPD	10KA* or 20KA
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

Example : SLA30-T1M-50K-GR-03

MODEL (Nominal Power)				OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (30W/module)	120-277VAC or 220-240VAC (40W/module)	347-480VAC (40W/module)	12-24VDC					
SLA30	SLB40	SLC80*	SLD30**	T1M	30K	★ GR	00 Not required	Adaptor Bracket
SLA60	SLB80	SLC120*	SLD40**	T2M	★ 40K	BK		Bird Spike
SLA90	SLB120	SLC160*	SLD60**	T3M	★ 50K	BZ	01 Photocell	3/5/7-pin NEMA Receptacle
SLA120	SLB160	SLC200*	SLD80**	T3L	57K	WH	02 Motion Sensor	20KA Surge Protection Device
SLA150	SLB200	SLC240*	SLD90**	T4S			03 Photocell + Motion Sensor	Back Light Shield
SLA180	SLB240	SLC280*	SLD120**	T4M			04 DALI	Safety Cable
SLA210	SLB280	SLC320*		T5U			05 1-10V dimming	
SLA240	SLB320			T5V				
SLA270				T5W				
SLA300				T5S				
				T5M				
				T5L				
				T5X				

* DALI & Motion sensor unavailable

** 1-10V dimming & DALI & Motion sensor unavailable

★ Regularly stocked item

LED STREET LIGHT

FIND Series



Employing a mix of traditional exterior design elements with modern power-saving technologies, the FIND series offers exceptional energy efficiency for faster ROI while providing an aesthetic appeal.

FEATURES & BENEFITS

- Single-cast aluminum housing enables passive heat dissipation along the entire length of the luminaire.
- Modular design allows for easy installation, replacement and maintenance.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Class II isolation protection.
- 0 and +5 degree of titling angle adjustment.
- Adjustable for 1 5/8-2 3/8"(42mm-60mm) O.D. tenon.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.

CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CB/ CE/ RoHS

TECHNICAL PARAMETERS

Power	20- 120W
Input	120-277VAC or 220-240VAC or 12-24VDC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP65
SPD	10KA* or 20KA
DALI	/
1-10V	Optional
Photocell	Optional
Smart Control	/
Optic (IESNA)	Type II, Type III, Type IV, Type V
Color Options	Grey

* Standard

ORDERING INFORMATION

Example : SLG60-T2M-50K-GR-05

MODEL (Nominal Power)				OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC	12-24VDC	120-277VAC or 220-240VAC	12-24VDC					
SLG16 SLG25 SLG40 SLG60	SLG30D* SLG40D*	SLE40 SLE60 SLE80 SLE90 SLE120	SLE60D* SLE80D*	T2M T3L T4M TSU TSV TSW TSS TSM TSL TSX TSD	30K ★ 40K ★ 50K 57K	★ GR	00 Not required 01 Photocell 05 1-10V dimming	Adaptor Bracket 3/5/7-pin NEMA Receptacle 20KA Surge Protection Device Safety Cable

* 1-10V dimming unavailable

★ Regularly stocked item

LED STREET LIGHT

LUMA Series



Designed for durability and ease of installation, the sleek external design prevents build-up of dust or potentially damaging airborne material on the fitting.

FEATURES & BENEFITS

- Compact & sleek design.
- Tool-less entry to driver compartment.
- Meets 3G vibration per ANSI C136.31-2010.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Adjustable for 1 5/8-2 3/8"(42mm-60mm) O.D. tenon.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.
- 10 years limited warranty available.

CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CB/ CE / RoHS/ IK08

TECHNICAL PARAMETERS

Power	20-60W
Input	120-277VAC or 220-240VAC or 12-24VDC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP67
SPD	10KA* or 20KA
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type II, Type III, Type IV, Type V
Color Options	Grey/Black/Bronze/White

* Standard

ORDERING INFORMATION

Example : SIA30-T2M-50K-GR-00

MODEL (Nominal Power)		OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC	12-24VDC					
SID20 SIA30 SIB40 SIC60*	SIA30D* SIB40D*	T2M T3L T4M TSU TSV TSW TSS TSM TSL TSX TSD	30K ★ 40K ★ 50K 57K	★ GR BK BZ WH	00 Not required 01 Photocell 02 Motion Sensor 03 Photocell + Motion Sensor 04 DALI 05 1-10V dimming	Adaptor Bracket 3/5/7-pin NEMA Receptacle 20KA Surge Protection Device Safety Cable Knife Switch Emergency Power Supply (EPS)

* DALI unavailable

★ Regularly stocked item

LED STREET LIGHT

TITAN Series



The TITAN Series luminaire is designed with industry-leading LED technology in accordance to DOT standards. It provides unmatched illumination performance and significant energy saving.

FEATURES & BENEFITS

- 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.
- Tool-less entry to driver compartment.
- Meets 3G vibration per ANSI C136.31-2010.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ISO 9227:2012.
- Over 20 optical lenses are available for virtually any application.
- 0, +/-2.5, +/-5 degree of titling angle adjustment.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.

CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CB/ CE/ RoHS/ IK08

TECHNICAL PARAMETERS

Power	30- 240W
Input	120-277VAC or 220-240VAC or 347-480VAC or 12-24VDC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP67
SPD	10KA* or 20KA
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type II, Type III, Type IV, Type V
Color Options	Grey/Black/Bronze/White

* Standard

ORDERING INFORMATION

Example : SKA60-T2M-50K-BZ-04

MODEL (Nominal Power)				OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (30W/module)	120-277VAC or 220-240VAC (40W/module)	347-480VAC (40W/module)	12-24VDC					
SKA30 SKA60 SKA90 SKA120 SKA150 SKA180	SKB40 SKB80 SKB120 SKB160 SKB200 SKB240	SKB80H* SKB120H* SKB160H* SKB200H* SKB240H*	SKA30D** SKB40D** SKA60D** SKB80D** SKA90D** SKB120D**	T2M T3L T4M T5U T5V T5W T5S T5M T5L T5X T5D	30K ★ 40K ★ 50K 57K	★ GR BK BZ WH	00 Not required 01 Photocell 02 Motion Sensor 03 Photocell + Motion Sensor 04 DALI 05 1-10V dimming	Adaptor Bracket Bird Spike 3/5/7-pin NEMA Receptacle Safety Cable Knife Switch

* DALI & Motion sensor unavailable

** 1-10V dimming & DALI & Motion sensor unavailable

★ Regularly stocked item

LED FLOOD LIGHT

GAMA-U Series



The GAMA-U fixture is a versatile LED solution with full 360 degree rotation, providing exacting illumination performance, available in a wide range of power levels to suit your requirements.

FEATURES & BENEFITS

- Modular design allows for easy installation, replacement and maintenance. This design also creates a chimney effect which provides exceptional thermal management.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 20 optical lenses are available for virtually any application.
- Extremely flexible with full 360 degree rotation.
- Interchangeable with the other GAMA Series with a bracket change.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.

CERTIFICATIONS

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

TECHNICAL PARAMETERS

Power	30- 320W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP67
SPD	Optional
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

Example : FLA30-U-T1M-50K-GR-03

MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (30W/module)	120-277VAC or 220-240VAC (40W/module)	347-480VAC (40W/module)						
FLA30 FLA60 FLA90 FLA120 FLA150 FLA180 FLA210 FLA240 FLA270 FLA300	FLB40 FLB80 FLB120 FLB160 FLB200 FLB240 FLB280 FLB320	FLC80* FLC120* FLC160* FLC200* FLC240* FLC280* FLC320*	U	T1M T2M T3M T3L T4S T4M T5U T5V T5W T5S T5M T5L T5X	30K ★ 40K ★ 50K 57K	★ BK GR BZ WH	00 Not required 01 Photocell 02 Motion Sensor 03 Photocell + Motion Sensor 04 DALI 05 1-10V dimming	Bird Spike 10KA/20KA Surge Protection Device Back Light Shield Safety Cable

* DALI & Motion sensor unavailable

★ Regularly stocked item

LED FLOOD LIGHT

GAMA-C Series



The GAMA-C provides great flexibility with trunnion mount bracket, offering unrivalled reliability and performance with advanced LED technology.

FEATURES & BENEFITS

- 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.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 20 optical lenses are available for virtually any application.
- Interchangeable with the other GAMA Series with a bracket change.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.

CERTIFICATIONS

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

TECHNICAL PARAMETERS

Power	30- 320W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP67
SPD	Optional
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

Example : FLA30-C-T1M-50K-GR-03

MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (30W/module)	120-277VAC or 220-240VAC (40W/module)	347-480VAC (40W/module)						
FLA30 FLA60 FLA90 FLA120 FLA150 FLA180 FLA210 FLA240 FLA270 FLA300	FLB40 FLB80 FLB120 FLB160 FLB200 FLB240 FLB280 FLB320	FLC80* FLC120* FLC160* FLC200* FLC240* FLC280* FLC320*	C	T1M T2M T3M T3L T4S T4M T5U T5V T5W T5S T5M T5L T5X	30K ★ 40K ★ 50K 57K	★ BK GR BZ WH	00 Not required 01 Photocell 02 Motion Sensor 03 Photocell + Motion Sensor 04 DALI 05 1-10V dimming	Bird Spike 10KA/20KA Surge Protection Device Back Light Shield Safety Cable

* DALI & Motion sensor unavailable

★ Regularly stocked item

LED FLOOD LIGHT

AURORA-U Series



As the name implies, the AURORA series is a truly high lumen output solution designed to produce the same illumination performance of existing metal halide lamps at a fraction of the energy cost.

FEATURES & BENEFITS

- Slim & low profile design that minimizes wind load.
- Ideal alternative to traditional 1000/2000/4000W Metal Halide light.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 20 optical lenses are available for virtually any application.
- The trunnion mount bracket allows for great mounting flexibility.
- 10 years limited warranty available.

CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ SAA/ CB/ CE/ RoHS/ IK08

TECHNICAL PARAMETERS

Power	450- 900W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP67
SPD	Optional
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

* Standard

ORDERING INFORMATION

Example : FLD900-U-T5S-50K-GR-00

MODEL (Nominal Power)		MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (75W/module)	347-480VAC (75W/module)						
FLD450 FLD600 FLD750 FLD900	FLG450* FLG600* FLG750* FLG900*	U	T1M T2M T3M T3L T4S T4M T5U T5V T5W T5S T5M T5L T5X T5D	30K ★ 40K ★ 50K 57K	★ BK GR BZ WH	00 Not required 01 Photocell 02 Motion Sensor 03 Photocell + Motion Sensor 04 DALI 05 1-10V dimming	Bird Spike 10KA/20KA Surge Protection Device Back Light Shield Safety Cable

* DALI & Motion sensor unavailable

★ Regularly stocked item

LED FLOOD LIGHT

GAMA-L Series



The GAMA-L series offers exacting illumination performance featuring advanced LED optical design and multiple light distribution options.

FEATURES & BENEFITS

- Modular design allows for easy installation, replacement and maintenance. This design also creates a chimney effect which provides exceptional thermal management.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 20 optical lenses are available for virtually any application.
- Slipfitter with +/- 90 degree of adjustment for leveling.
- Interchangeable with the other GAMA Series with a bracket change.
- Multiple lighting control options are available, e.g. DALI, 1-10V.
- 10 years limited warranty available.

CERTIFICATIONS

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

TECHNICAL PARAMETERS

Power	30- 320W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP65
SPD	Optional
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

* Standard

ORDERING INFORMATION

Example : FLA30-L-T5S-50K-BK-00

MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (30W/module)	120-277VAC or 220-240VAC (40W/module)	347-480VAC (40W/module)						
FLA30 FLA60 FLA90 FLA120 FLA150 FLA180 FLA210 FLA240 FLA270 FLA300	FLB40 FLB80 FLB120 FLB160 FLB200 FLB240 FLB280 FLB320	FLC80* FLC120* FLC160* FLC200* FLC240* FLC280* FLC320*	L	T1M T2M T3M T3L T4S T4M T5U T5V T5W T5S T5M T5L T5X	30K ★ 40K ★ 50K 57K	★ BK GR BZ WH	00 Not required 01 Photocell 02 Motion Sensor 03 Photocell + Motion Sensor 04 DALI 05 1-10V dimming	Bird Spike 10KA/20KA Surge Protection Device Back Light Shield Safety Cable

* DALI & Motion sensor unavailable

★ Regularly stocked item

LED WALL PACK

GAMA-W Series



Providing unmatched illumination performance and energy efficiency, the GAMA-W series is a compact yet easy-to-install product with a robust operational life.

FEATURES & BENEFITS

- Modular design allows for easy installation, replacement and maintenance. This design also creates a chimney effect which provides exceptional thermal management.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 20 optical lenses are available for virtually any application.
- Interchangeable with the other GAMA Series with a bracket change.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.
- Multiple lighting control options are available, e.g. DALI, 1-10V.
- 10 years limited warranty available.

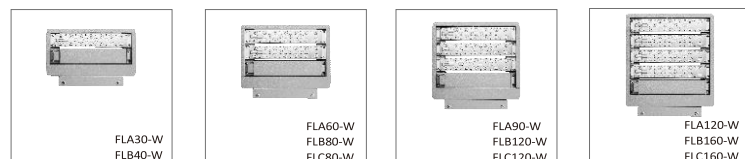
CERTIFICATIONS

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

TECHNICAL PARAMETERS

Power	30- 160W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP65
SPD	Optional
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

* Standard



ORDERING INFORMATION

Example : FLA30-W-T3L-50K-GR-00

MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (30W/module)	120-277VAC or 220-240VAC (40W/module)	347-480VAC (40W/module)						
FLA30 FLA60 FLA90 FLA120	FLB40 FLB80 FLB120 FLB160	FLC80* FLC120* FLC160*	W	T1M T2M T3M T3L T4S T4M T5U T5V T5W T5S T5M T5L T5X	30K ★ 40K ★ 50K 57K	★ BK GR BZ WH	00 Not required 01 Photocell 02 Motion Sensor 03 Photocell + Motion Sensor 04 DALI 05 1-10V dimming	Bird Spike 20KA Surge Protection Device Back Light Shield Safety Cable

* DALI unavailable

★ Regularly stocked item

LED WALL PACK

GUARD Series



Preserving the traditional wall pack appearance, the GUARD luminaire is an ideal solution for site lighting application, providing exacting illumination performance and precise optical control.

FEATURES & BENEFITS

- Traditional wall pack appearance with advanced LED system.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 20 optical lenses are available for virtually any application.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.
- Multiple lighting control options are available, e.g. DALI, 1-10V.
- Emergency Power Supply (EPS) available.
- 10 years limited warranty available.

CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CB/ CE/ RoHS/ IK08

TECHNICAL PARAMETERS

Power	30- 80W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP65
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	Black/Grey/Bronze/White

* Standard

ORDERING INFORMATION

Example : WLB80-T5S-50K-GR-00

MODEL (Nominal Power)		MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC	347-480VAC						
WLA30 WLB40 WLA60 WLB80	WLB80H**	/	T1M T2M T3M T3L T4S T4M T5U T5V T5W T5S T5M T5L T5X	30K ★ 40K ★ 50K 57K	★ BZ GR BK WH	00 Not required 01 Photocell 02 Motion Sensor 03 Photocell + Motion Sensor 04 DALI 05 1-10V dimming	10KA/20KA Surge Protection Device Back Light Shield Safety Cable Emergency Power Supply (EPS)

* DALI unavailable

** 1-10V dimming & DALI & Motion sensor unavailable

★ Regularly stocked item

LED AREA LIGHT

AURORA Series



AURORA series area light is perfect for outdoor area lighting, providing significant energy and maintenance savings while improving illumination performance.

FEATURES & BENEFITS

- High lumen output and high mounting height solution.
- Slim & low profile design that minimizes wind load.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 20 optical lenses are available for virtually any application.
- Adjustable arm that mounts to a horizontal or vertical 2 3/8" (60mm) O.D. tenon.
- Tenon length must be a minimum of 4.72" (120mm).
- -60~+30 degree or -90~+0 degree of adjustment for leveling when horizontally mounted.
- 10 years limited warranty available.

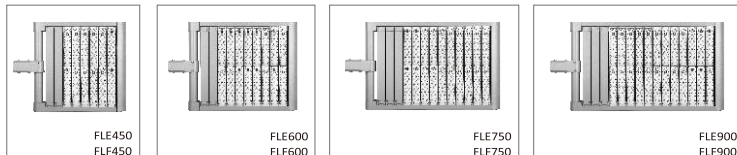
CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ SAA/ CB/ CE/ IK08/ RoHS

TECHNICAL PARAMETERS

Power	450- 900W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP67
SPD	Optional
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

* Standard



ORDERING INFORMATION

Example :FLE900-T5S-50K-GR-00

MODEL (Nominal Power)		OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (75W/module)	347-480VAC (75W/module)					
FLE450 FLE600 FLE750 FLE900	FLF450* FLF600* FLF750* FLF900*	T1M T2M T3M T3L T4S T4M T5U T5V T5W T5S T5M T5L T5X	30K ★ 40K ★ 50K 57K	★ BK GR BZ WH	00 Not required 01 Photocell 02 Motion Sensor 03 Photocell + Motion Sensor 04 DALI 05 1-10V dimming	Bird Spike 10KA/20KA Surge Protection Device Back Light Shield Safety Cable

* DALI & Motion sensor unavailable

★ Regularly stocked item

LED AREA LIGHT

GAMA-T Series



GAMA-T is highly suitable for car parks and shop fronts where direct lighting is required. A simple yet functional modular design, combined with the right lens type, will improve lighting proficiency.

FEATURES & BENEFITS

- Shoe box appearance with advanced LED system.
- Modular design allows for easy installation, replacement and maintenance.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Interchangeable with the other GAMA Series with a bracket change.
- Multiple lighting control options are available, e.g. DALI, 1-10V.
- 10 years limited warranty available.

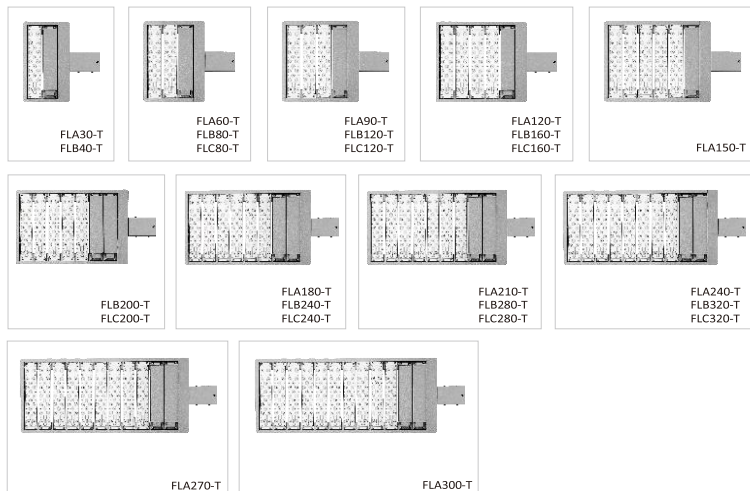
CERTIFICATIONS

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

TECHNICAL PARAMETERS

Power	30- 320W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP65
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	/
Smart Control	/
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	Black/Grey/Bronze/White

* Standard



ORDERING INFORMATION

Example : FLA30-T-T5S-50K-BK-00

MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (30W/module)	120-277VAC or 220-240VAC (40W/module)	347-480VAC (40W/module)						
FLA30 FLA60 FLA90 FLA120 FLA150 FLA180 FLA210 FLA240 FLA270 FLA300	FLB40 FLB80 FLB120 FLB160 FLB200 FLB240 FLB280 FLB320	FLC80* FLC120* FLC160* FLC200* FLC240* FLC280* FLC320*	T	T1M T2M T3M T3L T4S T4M TSU TSV TSW TSS TSM TSL TSX	30K ★ 40K ★ 50K 57K	★ BK GR BZ WH	00 Not required 01 Photocell 02 Motion Sensor 03 Photocell + Motion Sensor 04 DALI 05 1-10V dimming	Adaptor Bracket 3/5/7-pin NEMA Receptacle 20KA Surge Protection Device Safety Cable

* DALI & Motion sensor unavailable

★ Regularly stocked item

LED CANOPY LIGHT

GAMA-D Series



GAMA-D is an ideal solution for surface mount or suspended installations with modular and a low-profile design delivering high-efficacy lighting.

FEATURES & BENEFITS

- Modular design allows for easy installation, replacement and maintenance.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 20 optical lenses are available for virtually any application.
- Surface mount.
- 3/4" pendent rod option available.
- Interchangeable with the other GAMA Series with a bracket change.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.
- 10 years limited warranty available.

CERTIFICATIONS

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

TECHNICAL PARAMETERS

Power	30- 320W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP67
SPD	Optional
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

Example : FLA30-D-T3L-50K-GR-00

MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (30W/module)	120-277VAC or 220-240VAC (40W/module)	347-480VAC (40W/module)						
FLA30 FLA60 FLA90 FLA120 FLA150 FLA180 FLA210 FLA240 FLA270 FLA300	FLB40 FLB80 FLB120 FLB160 FLB200 FLB240 FLB280 FLB320	FLC80* FLC120* FLC160* FLC200* FLC240* FLC280* FLC320*	D	T1M T2M T3M T3L T4S T4M T5U T5V T5W T5S T5M T5L T5X	30K ★ 40K ★ 50K 57K	★ BK GR BZ WH	00 Not required 01 Photocell 02 Motion Sensor 03 Photocell + Motion Sensor 04 DALI 05 1-10V dimming	G3/4 Pendant Rod 10KA/20KA Surge Protection Device Back Light Shield Safety Cable Emergency Power Supply (EPS)

* DALI & Motion sensor unavailable

★ Regularly stocked item

LED CANOPY LIGHT

ENYA Series



When compared to similar LED solutions in a canopy application, the ENYA fixture stands out from the crowd with its unique design which significantly reduces labor and maintenance cost.

FEATURES & BENEFITS

- Die cast aluminum housing.
- Modular design allows for easy installation, replacement and maintenance.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Precision lens system provides optimized illumination for intended area.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.
- Multiple lighting control options are available, e.g. DALI, 1-10V.
- 10 years limited warranty available.

CERTIFICATIONS

CB/ CE/ RoHS/ IK08

TECHNICAL PARAMETERS

Power	60- 160W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP65
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	/
Smart Control	Optional
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	White

* Standard

ORDERING INFORMATION

Example : CAA90-T5S-50K-WH-05

MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (30W/module)	120-277VAC or 220-240VAC (40W/module)	347-480VAC (40W/module)						
CAA60 CAA90 CAA120 CAA150	CAB80 CAB120 CAB160	CAB80H* CAB120H* CAB160H*	-	T1M T2M T3M T3L T4S T4M T5U T5V T5W T5S T5M T5L T5X	30K ★ 40K ★ 50K 57K	★ WH	00 Not required 04 DALI 05 1-10V dimming	10KA/20KA Surge Protection Device Back Light Shield Emergency Power Supply (EPS)

* DALI & Motion sensor unavailable

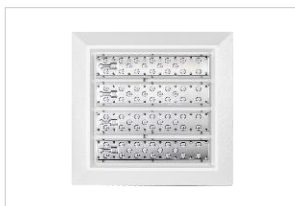
★ Regularly stocked item

LED CANOPY LIGHT

SHINE Series



The SHINE Series, featuring its patented, innovative installation and flush-mount design, is perfectly suitable for gas station lighting or other applicable mounting.



FEATURES & BENEFITS

- Ideal solution for gas station lighting application.
- Slim appearance with 25mm thickness.
- Modular design allows for easy installation, replacement and maintenance.
- Precision lens system provides optimized illumination for intended area.
- Flush mount to ceiling to prevent the build-up of dust on the fitting.
- Multiple lighting control options are available, e.g. DALI, 1-10V.
- 10 years limited warranty available.

CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CB/ CE/ RoHS/ IK08

TECHNICAL PARAMETERS

Power	120/160W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP67
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	/
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	White

* Standard

ORDERING INFORMATION

Example : CLA120-T5S-50K-GR-00

MODEL (Nominal Power)		MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC	347-480VAC						
CLA120 CLB160	CLA120H* CLB160H*	/	T1M T2M T3M T3L T4S T4M T5U T5V T5W T5S T5M T5L T5X	30K ★ 40K ★ 50K 57K	★ WH	00 Not required 04 DALI 05 1-10V dimming	10KA/20KA Surge Protection Device Back Light Shield

* DALI unavailable

★ Regularly stocked item

LED LINEAR LIGHT

BRIGHT-A Series



BRIGHT-A is designed to replace up to 400W HPS lamps. Traditional in appearance while providing unmatched overhead lighting performance and energy savings.

FEATURES & BENEFITS

- Rugged extruded aluminum housing.
- Double wings enlarge heat dissipation area which provides exceptional thermal management.
- Corrosion resistant polyester powder painted 100µm thickness.
- Surface mount and suspension mount available.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.
- Multiple lighting control options are available, e.g. motion sensor, 1-10V.
- 5 years limited warranty available.

CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CE/ RoHS

TECHNICAL PARAMETERS

Power	120/160/200W
Input	90-305 VAC
PF	>0.95
THD	<15%
L85	>50,000H
Operating Temperature	-40F- 122F
Efficacy	110-130lm/W
ANSI CCT	4000K/5000K
Min CRI	80
IP Rating	IP43
SPD	Optional
DALI	/
1-10V	Optional
Photocell	/
Smart Control	Optional
Optic (IESNA)	Type V
Color Options	White

* Standard

ORDERING INFORMATION

Example : BLA120-T5D-50K-WH-00

MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
90-305VAC				
BLA120 BLA160 BLA200	T5D	40K ★ 50K	★ WH	00 Not required 02 Motion Sensor 05 1-10V dimming

★ Regularly stocked item

LED LINEAR LIGHT

BRIGHT-B Series



The BRIGHT-B fixture is an ideal LED solution to replace existing fluorescent troffers with multiple mounting options, available in different power range.

FEATURES & BENEFITS

- Compact and sleek design.
- Rugged extruded aluminum housing.
- Corrosion resistant polyester powder painted 100µm thickness.
- Surface mount and suspension mount available.
- Multiple units are linkable.
- Multiple lighting control options are available, e.g. motion sensor, 1-10V.
- Emergency Power Supply (EPS) available.
- 5 years limited warranty available.

CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CE/ RoHS

TECHNICAL PARAMETERS

Power	40/60/90W
Input	90-305 VAC
PF	>0.95
THD	<15%
L85	>50,000H
Operating Temperature	-40F- 122F
Efficacy	110-130lm/W
ANSI CCT	4000K/5000K
Min CRI	80
IP Rating	IP20
SPD	Optional
DALI	/
1-10V	Optional
Photocell	/
Smart Control	Optional
Optic (IESNA)	Type V
Color Options	White

* Standard

ORDERING INFORMATION

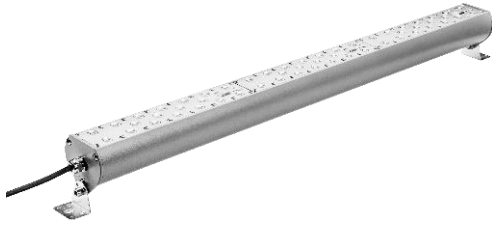
Example : BLB40-T5D-30K-WH-00

MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
90-305VAC					
BLB40 BLB60 BLB90	T5D	40K ★ 50K	★ WH	00 Not required 02 Motion Sensor 05 1-10V dimming	Emergency Power Supply (EPS)

★ Regularly stocked item

LED LINEAR LIGHT

EDGE Series



The EDGE series redefines how you think about LED linear lighting. It provides unmatched illumination performance and significant energy savings coupled with modern design elements.

FEATURES & BENEFITS

- Rugged extruded aluminum housing.
- Modular design allows for easy installation, replacement and maintenance.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 20 optical lenses are available for virtually any application.
- Surface mount and suspension mount available.
- Multiple units are linkable.
- Multiple lighting control options are available, e.g. motion sensor, DALI, 1-10V.
- 10 years limited warranty available.

CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CB/ CE/ RoHS/ IK08

TECHNICAL PARAMETERS

Power	60-150W
Input	120-277VAC or 220-240VAC or 347-480 VAC
PF	>0.95
THD	<20%
L85	>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-140lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85
IP Rating	IP67
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	/
Smart Control	Optional
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	Black / Grey

* Standard



ORDERING INFORMATION

Example : BCA60-T1M-30K-BK-00

MODEL (Nominal Power)		OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC	347-480VAC					
BCA60 BCA90 BCA120 BCA150	BCA60H* BCA90H* BCA120H*	T1M T2M T3M T3L T4S T4M T5U T5V T5W T5S T5M T5L T5X	30K 40K ★ 50K ★ 57K	BK ★ GR	00 Not required 02 Motion Sensor 04 DALI 05 1-10V dimming	Emergency Power Supply (EPS)

★ Regularly stocked item

* 1-10V dimming & DALI & Motion sensor unavailable

LED BAY LIGHT

VENUS Series



VENUS Series combines a unique optic solution with traditional bell-shaped appearance, which out-performs traditional high-bay and conventional COB LED bay lights.



FEATURES & BENEFITS

- Traditional bay light appearance with advanced LED system.
- Rugged extruded aluminum housing.
- Reflector with outstanding illumination for open floor plan.
- Chain, cable, hook mount.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.
- Multiple lighting control options are available, e.g. motion sensor, 1-10V.
- 5 years limited warranty available.

CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CE/ RoHS

TECHNICAL PARAMETERS

Power	40/60/90/120/160/200W
Input	90-305 VAC
PF	>0.95
THD	<15%
L85	>50,000H
Operating Temperature	-40F to 104F
Efficacy	110-130lm/W
ANSI CCT	4000K/5000K
Min CRI	80
IP Rating	IP43
SPD	Optional
DALI	/
1-10V	Optional
Photocell	/
Smart Control	Optional
Optic (IESNA)	T5R
Color Options	Black / Grey

* No foreign objects shall be placed within 5 feet (1.5m) of the fixture from any direction.

ORDERING INFORMATION

Example : BLD200-T5R-50K-BK-00

MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
90-305VAC				
BLD40 BLD60 BLD90 BLD120 BLD160 BLD200	T5R	40K ★ 50K	★ BK* GR	00 Not required 02 Motion Sensor 05 1-10V dimming

★ Regularly stocked item

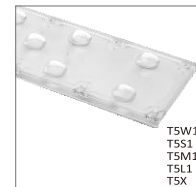
OPTICS



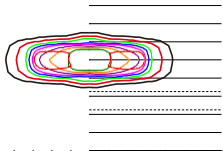
Arrlux offers industry-leading optimized optical control; more than 15 optical distributions are available for virtually any application, providing exacting illumination performance.

FEATURES

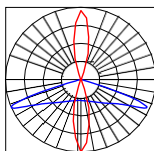
- Optical types: 15+ options
- Material: High transmittance PC
- Lighting Distribution Type: Symmetric, Asymmetric, Narrow Beam, Medium beam and Wide beam, complying with IESNA Type I, II, III, IV, V.
- Backlight shielding is optional



ISO Plot

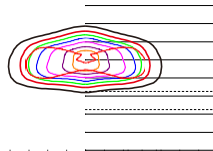


Polar Curve

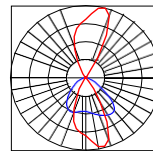


T1M Type I Medium

ISO Plot

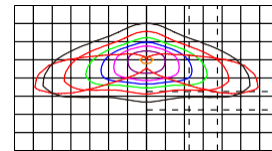


Polar Curve

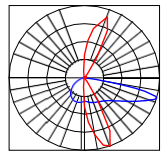


T2M Type II Medium

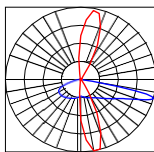
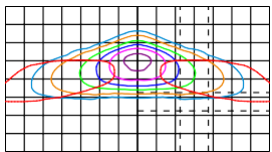
ISO Plot



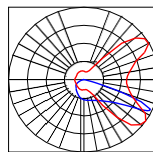
Polar Curve



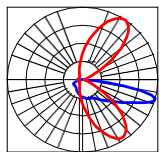
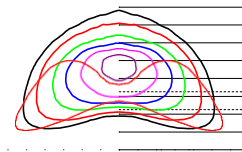
T3M Type III Medium



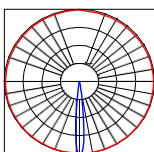
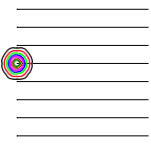
T3L Type III Long



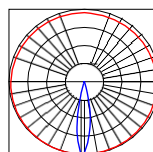
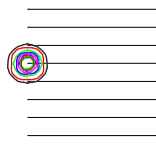
T4S Type IV Short



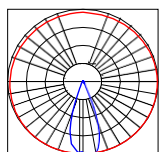
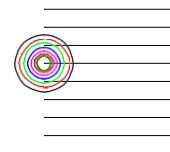
T4M Type IV Medium



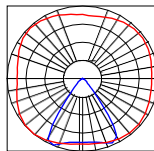
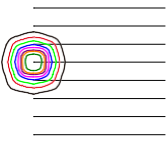
T5U Average beam angle 10°



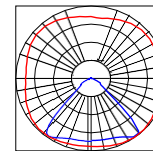
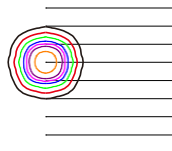
T5V Average beam angle 25°



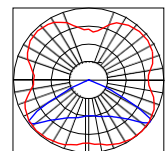
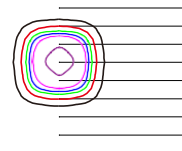
T5W Average beam angle 40°



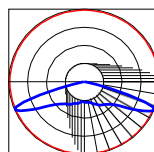
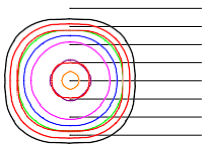
T5S Average beam angle 60°



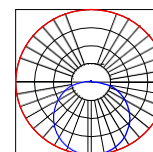
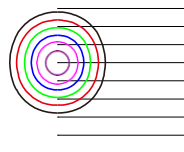
T5M Average beam angle 90°



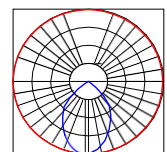
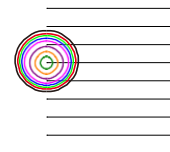
T5L Average beam angle 120°



T5X Average beam angle 150°



T5D Diffuser

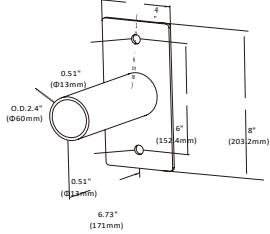
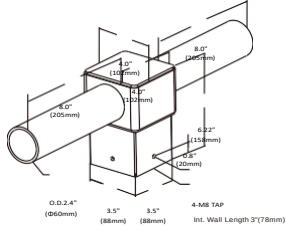
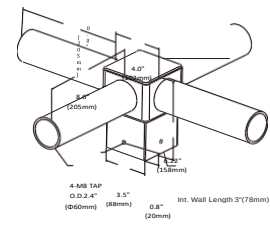
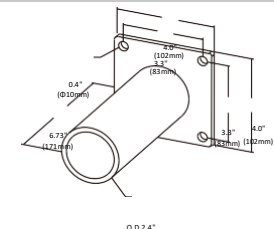
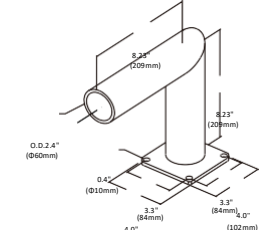
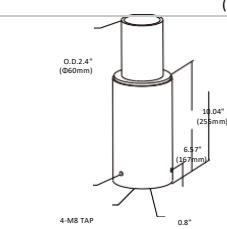


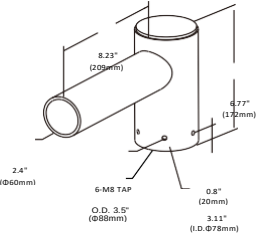
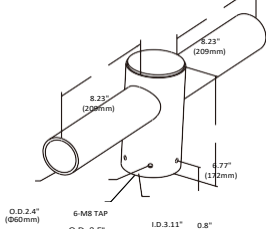
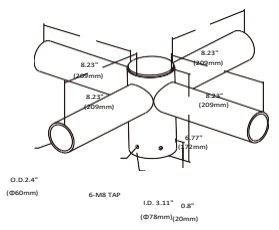
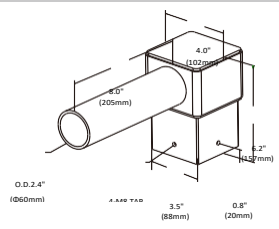
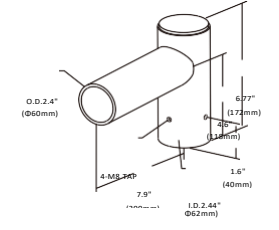
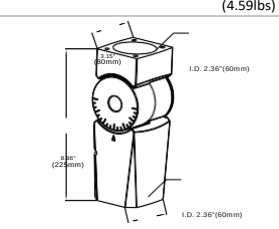
T5R Reflector

ACCESSORIES

ADAPTOR BRACKET

(Size & Dimension can be customized base on customer's requirement.)

Product Specifications		
Part No.	Image	Dimensional Drawing
#1		
#2		
#3		
#4		
#5		
#6		

Product Specifications		
Part No.	Image	Dimensional Drawing
#7		
#8		
#9		
#10		
#11		
#12		

Applicable for GAMA Series

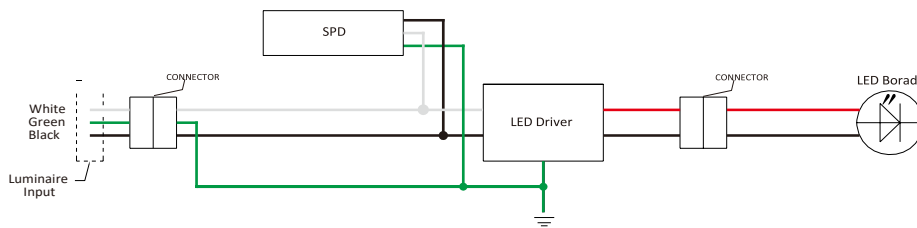
SOLAR ENGINE



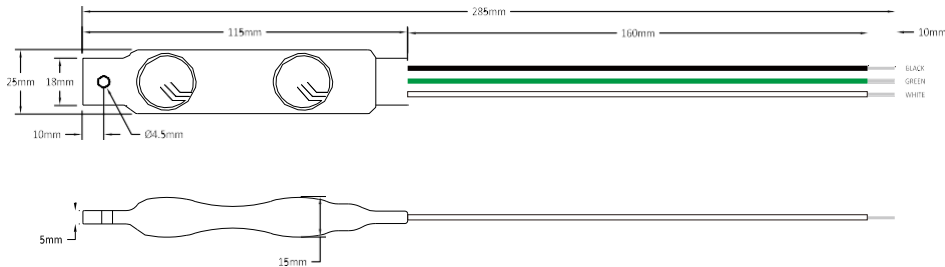
FEATURES

Adapted to SSL outdoor lighting, the SPD277 and SPD480 surge protection device provides single phase protection for line/neutral, line/ground and neutral/ground in accordance with IEEE C62.41 2002C High. The SPD277 and SPD480 small size corresponds to the current design requirements for the new technology luminaires, like a LED light engine in outdoor lighting.

TECHNICAL PARAMETERS



TECHNICAL PARAMETERS



ORDERING INFORMATION

Model No.	SPD277-10	SPD277-20	SPD480-10	SPD480-20
Voltage Input:	120-277VAC (+/- 5%)		347-480VAC (+/- 5%)	
Frequency:	50-60Hz		50-60Hz	
Clamping Voltage:	50-60Hz		625V	
Maximum Energy:	430 Joules	850 Joules	630 Joules	1260 Joules
Maximum Peak Current:	10kA (8/20μs standard wave)	22kA (8/20μs standard wave)	10kA (8/20μs standard wave)	22kA (8/20μs standard wave)
Wiring:	14 Gauges stranded wires, 200°C, 600V			
Wire Connections:	Black and white: 10mm skinned and thin platted Green: 10mm skinned with terminal malt			
Mounting hole:	Φ 5mm			

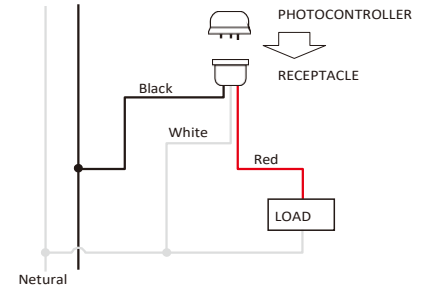
ACCESSORIES

PHOTOCELL

PHOTOCELL



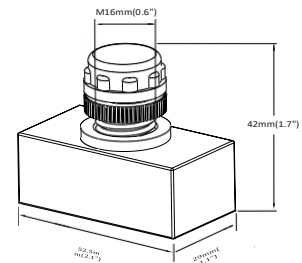
- ANSI C136.10-2010 Twist Lock
- Time Delay 30~120 seconds
- Temperature compensate
- Various Enclosures
- Lightning Arrester Available
- 1" Photocell Deluxe Version Available



PHOTOCELL-mini



- SPST-NO
- Thermal switch
- Polycarbonate enclosure & eye
- 1/2" CDS photocell
- 3/8"- 18 thread nipple, with rubber gasket & plastic lock nut
- High grade leads available



FEATURES & BENEFITS

- The photocell PCA, PCB series is applicable to control the street lighting, garden lighting, passage lighting and doorway lighting automatically in accordance with the ambient natural lighting level. This product is designed on the basis of thermal-bimetallic structure that provides time delay over 30 seconds to avoid mis-operation due to spotlight or lightning during the night time. A temperature compensation system provides consistent performance regardless to the ambient temperature.
- This product provides three twist-lock terminals meeting the requirements of ANSI C136.10-2010 and the Standard for Plug-In, Locking Type Photocell for Use with Area Lighting UL773, 4th Edition, dated Jan.19th, 1995. PCA, PCB series has been listed by UL Inc for United States and Canada.
- Applicable to control passage lighting and doorway lighting automatically in accordance with the ambient lighting level.
- UL & C-UL listed by UL Inc and is comply with the Standard for Non-industrial Photoelectric Switches for lighting Control UL773A.
- Raintight, applicable for outdoor purpose

TECHNICAL DATA

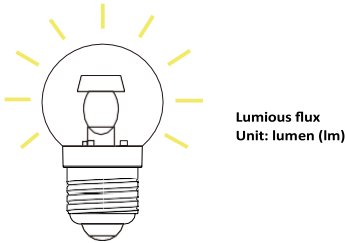
Model No.	PCA120	PCA240	PCB120	PCB240
Nominal Rated Voltage	90-120V AC	220-277V AC	90-120V AC	220-277V AC
Applicable Volt Range	Nominal +/-10%		Nominal +/-10%	
Rated Frequency	50/60Hz		50/60Hz	
Rated Loading	1200W	1800W	600W	1000W
Power Consumption	1.5VA (Average)		1.5VA Max	
Standard Operate Level	10~20Lx On, 30~60Lx Off		10~20Lx On(Dusk); 30~60Lx Off(Dawn)	
Ambient Temperature	-40°C ~ +70°C		-40°C ~ +70°C	
Related Humidity	99%		99%	
Overall Dimensions (mm)	Φ 74 x 50mm		52.2(L) x 29(w) x 42(H)mm	
**Enclosure Color (M/H)	Gray		Black	
**Clear Enclosure (Null)	Available		Available	
Weight Approx.	62~90grs		32grs	

Materials: Enclosure & Lens – High impact UV stabilized Polycarbonate
 Base – High impact Polybutylene terephthalate
 Photocell – Cadmium Sulfide 0.5" with heat sink (Standard) / 1" (Deluxe)

BASIC LIGHTING KNOWLEDGE

1 Lumen (lm)

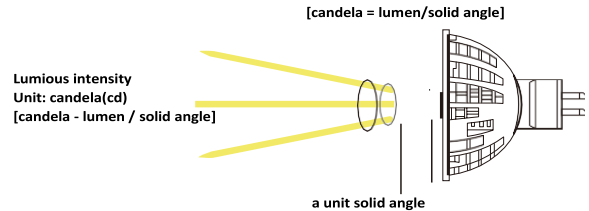
Lumen is the international(SI) unit of luminous flux, a measure of overall light emitted by a light source.



2 Candela (cd)

Candela is the international(SI) unit of luminous intensity, a measure of light emitted by a light source in a particular direction. Any given light source will have different luminous intensities in different directions considered.

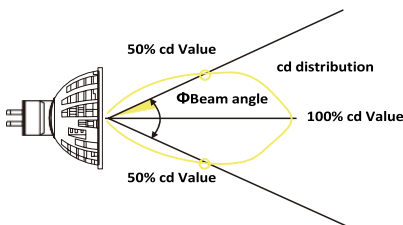
[candela = lumen/solid angle]



3 Beam Angle [Unit : degree]

Beam angle is the angle between two directions for which the luminous intensity is 50% of the maximum intensity as measured in a plan through the nominal beam centerline.

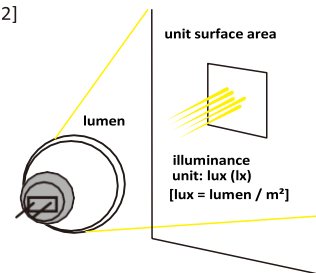
The beam angle of a lamp gives an idea of how the light beam spread away from the beam center.



4 LUX (lx)

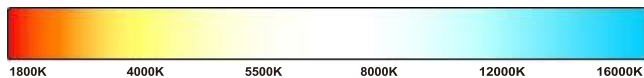
Lux is the international(SI) unit of illuminance, a measure of light arriving at a surface, 1 lumen per square foot equals 1 footcandle, while 1 lumen per square meter equals 1 lux.

[lux = lumen/m²]



5 Color Temperature / Correlated Color Temperature (CCT)

A black-Body radiator will have different color when it is heated up to different temperature(in kelvin). The temperature at which the heated black-body radiator matches the color of the light source is the color temperature of the light source.



6 Color Rendering Index (CRI)

Color rendering index, ranged from 0-100, measures a light source's ability to reproduce the color of various objects being lit by reference light source, black body radiator (CRI=100)

7 Efficacy (lm/W)

Efficacy is the efficiency of a light source to convert electricity power to light expressed in lumen output per unit power input (watt)

[Efficacy = lumen / wattage]

8 Life Time Designed

Design life time is the average life of lighting product when it is operated at nominal lamp voltage, current and controlled working environment. Actual lamp life time varies because of difference from those rating condition.

CERTIFICATION & STANDARDS

Certification	Standards	Remark
CE-LVD Low Voltage Directive (2014/35/EC)	EN 60598-2-3/A1:2011	Applicable for Street Light
	EN 60598-2-5:1998	Applicable for Flood Light
	EN 60598-1:2008/A11:2009	
	EN 62471:2008	
	EN 62493:2010	
CE-EMC Electromagnetic Compatibility Directive (2014/30/EU)	EN 55015:2013	
	EN 61547:2009	
	EN 61000-3-2:2014	
	EN 61000-3-3:2013	
CE-ErP Energy-Related Products Directive (2009/125/EU)	EU 1194/2012:2012-12-12	
	EC 244/2009:2009-03-18	
	EU 859/2009:2009-09-18	
CE-RoHS Directive (2011/65/EU)	EN 62321:2009	
CB	IEC 60598-2-3/A1:2011	Applicable for Street Light
	IEC 60598-2-5:1998	Applicable for Flood Light
	IEC 60598-1:2008	
	IEC 62471:2006	
	IEC 62471-2:2009	
ENEC	EN 60598-2-3/A1:2011	Applicable for Street Light
	EN 60598-2-5:1998	Applicable for Flood Light
	EN 60598-1/A11:2009	
	EN 62471:2008	
	EN 62493:2010	
ATEX ATEX 95 Equipment Directive(94/9/EC)	EN 60079-0:12	
	EN 60079-11:12	
	EN 60529:1989+A1:1999	
UL	UL1598	
	UL8750	
	CSA C22.2 No. 250.0-08	
	CSA C22.2 No. 250.13-14	
FCC	Title 47 CFR Part 15	
Photobiological Safety	EN 62471:2008	
	IEC 62471:2006	
Vibration test	ANSI C136.31-2010	Applicable for Street Light
Salt spray test	IEC/EN 60598-2-5 clause 5.6.7	Applicable for Flood Light
	ISO 9227:2012	
	ASTM B117	
IK08 Impact resistance test	IEC 62262:2002	
IP65 or IP67 test	IEC/EN 60598-1:2015 clause 9.2.2 and clause 9.2.6 or clause 9.2.8	
Photometric and Integrating Sphere test	IES LM-79-2008	
	ANSI C82.77-2002	
	ANSI C78.377-2011	
	CIE 13.3-1995	
	CIE 15-2004	
	IES TM-15-11	
	IES LM-63-2002	
LED Module	IEC/EN 62031:2008+A1:2013	
LED Lamps	IES LM-80-2008	
	ANSI C78.377-2011	
	JESD22 A108	
	JESD22 A101C	
	JESD22 A105	
	JESD22 B104	
	JESD22 A114	
LED Driver	EN 61347-1:2008	
	EN 61347-2-13:2006	
	EN 62384:2006+A1:2009	
	EN 55015:2006+A1:2007+A2:2009	
	EN 61000-3-2:2006+A1:2009+A2:2009	
	EN 61000-3-3:2008	
	EN 61547:2009	
	IEC 62386 Part 102 and Part 207	Applicable for DALI
	UL1012 UL879 UL935	
	FCC Title 47 CFR Part 15 Class A	
Surge Protection Device	ANSI/IEEE C62.41.2-2002	
	UL1449	
Receptacle	ANSI C136.10-2010	
Dimming Receptacle	ANSI C136.41-2013	