



GAMA-E innovative recessed mount design offers the most user friendly installation and maintenance. Diversified optic solutions allow it to meet almost all the industrial and commercial lighting applications.

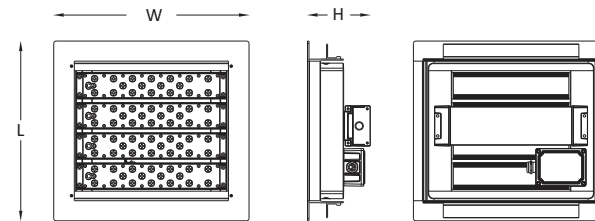
White



### FEATURES & BENEFITS

- Minimum 100µm Corrosion resistant polyester powder coating. Pass 1000h salt spray testing per ASTM B117/ ISO 9227:2012.
- Easy installation, replacement and maintenance.
- Unmatched thermal management and proven lumen maintenance ratio.
- Improved illumination performance and excellent optics control.
- A variety of optical distributions, 15+ optics are available.
- Delivering 1-10V dimming allows for further energy savings.
- Standard 5 or 10 years limited warranty are optional.

### DIMENSIONAL DRAWING



### TECHNICAL PARAMETERS

Power	90~240W
Input	120-277VAC or 220-240VAC or 347-480 VAC
PF	>0.95
THD	<20% (120-277VAC)/<10% (220-240VAC)
L85	>60,000H
Operating Temperature	-40°C ~ +50°C
Typical Efficacy	100lm/W or 110lm/W or 120lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 85

\* Standard

IP Rating	IP67
SPD	Optional
Certificate	UL/CUL/DLC/LM79/ENEC/CB/CE/ErP/RoHS/IK08
DALI	Optional
0-10V	Optional
Photocell	/
Smart Control	/
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Option	White

### APPLICATIONS

- Gas Station
- Tollgate
- Platform
- Factory
- Warehouse



Venezuela



Peru

## GAMA-E Series

### BRIEF SPECIFICATIONS

Model No.	System Power	LED Modules	LEDs	Net Weight	Gross Weight	Cut-out (L x W)	Dimensions (L x W x H)	Carton Dimensions (L x W x H)	Luminous Flux		Efficacy* (lm/W)
									3000K	4000K/5000K	
<b>FLA: 120-277VAC or 220-240VAC, 30W/module</b>											
FLA90-E	87.0W	3	54	6.13Kg(13.51lbs)	7.0Kg(15.43lbs)	240 x 360(mm) 9.45" x 14.17"	298 x 389 x 125(mm) 11.73" x 15.31" x 4.92"	375 x 425 x 160(mm) 14.76" x 16.73" x 6.3"	8884 lm	9982 lm	115
FLA120-E	111.7W	4	72	6.89Kg(15.19lbs)	7.83Kg(17.26lbs)	300 x 360(mm) 11.81" x 14.17"	358 x 389 x 125(mm) 14.09" x 15.31" x 4.92"	435 x 425 x 160(mm) 17.13" x 16.73" x 6.3"	11906 lm	13377 lm	120
FLA150-E	140.8W	5	90	7.62Kg(16.80lbs)	8.66Kg(19.09lbs)	360 x 360(mm) 14.17" x 14.17"	418 x 389 x 125(mm) 16.46" x 15.31" x 4.92"	495 x 425 x 160(mm) 19.49" x 16.73" x 6.3"	14838 lm	16672 lm	118
FLA180-E	171.9W	6	108	9.68Kg(21.34lbs)	10.78Kg(23.77lbs)	420 x 360(mm) 16.54" x 14.17"	478 x 389 x 125(mm) 18.86" x 15.31" x 4.92"	615 x 425 x 160(mm) 24.21" x 16.73" x 6.3"	17949 lm	20168 lm	117
<b>FLB: 120-277VAC or 220-240VAC, 40W/module</b>											
FLB120-E	115.4W	3	54	6.13Kg(13.51lbs)	7.0Kg(15.43lbs)	240 x 360(mm) 9.45" x 14.17"	298 x 389 x 125(mm) 11.73" x 15.31" x 4.92"	375 x 425 x 160(mm) 14.76" x 16.73" x 6.3"	10970 lm	12326 lm	107
FLB160-E	151.6W	4	72	6.89Kg(15.19lbs)	7.83Kg(17.26lbs)	300 x 360(mm) 11.81" x 14.17"	358 x 389 x 125(mm) 14.09" x 15.31" x 4.92"	435 x 425 x 160(mm) 17.13" x 16.73" x 6.3"	14556 lm	16355 lm	107
FLB200-E	191.7W	5	90	8.69Kg(19.16lbs)	9.42Kg(20.77lbs)	360 x 360(mm) 14.17" x 14.17"	418 x 389 x 125(mm) 16.46" x 15.31" x 4.92"	495 x 425 x 160(mm) 19.49" x 16.73" x 6.3"	18117 lm	20356 lm	106
FLB240-E	229.0W	6	108	9.68Kg(21.34lbs)	10.78Kg(23.77lbs)	420 x 360(mm) 16.54" x 14.17"	478 x 389 x 125(mm) 18.86" x 15.31" x 4.92"	615 x 425 x 160(mm) 24.21" x 16.73" x 6.3"	21771 lm	24462 lm	107
<b>FLC: 347-480VAC, 40W/module</b>											
FLC120-E	115.4W	3	54	6.13Kg(13.51lbs)	7.0Kg(15.43lbs)	240 x 360(mm) 9.45" x 14.17"	298 x 389 x 125(mm) 11.73" x 15.31" x 4.92"	375 x 425 x 160(mm) 14.76" x 16.73" x 6.3"	10970 lm	12326 lm	107
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\* CCT 4000K/5000K/5700K

### ORDERING INFORMATION

MODEL (Normal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
FLA90 90W	FLB120 120W	FLC120* 120W						
FLA120 120W	FLB160 160W	FLC160* 160W	E	<b>T1M</b> Type I Medium	<b>30K</b> 3045	<b>WH**</b> White (RAL:9010)	<b>00</b> Not required	10KA/20KA Surge Protection Device
FLA150 150W	FLB200 200W	FLC200* 200W		<b>T2M</b> Type II Medium	±175K		<b>04</b> DALI	Back Light Shield
FLA180 180W	FLB240 240W	FLC240* 240W		<b>T3M</b> Type III Medium	<b>40K**</b> 3985		<b>05</b> 1-10V dimming	Safety Cable
				<b>T3L</b> Type III Long	±275K			
				<b>T4S</b> Type IV Short	<b>50K**</b> 5028			
				<b>T5U</b> Average beam angle 10°	±283K			
				<b>T5V</b> Average beam angle 25°	5665			
				<b>T5W</b> Average beam angle 40°	±355K			
				<b>T5S</b> Average beam angle 60°				
				<b>T5M</b> Average beam angle 90°				
			<b>T5L</b> Average beam angle 120°					
			<b>T5D</b> Diffuser					

\* DALI & Motion sensor unavailable

\*\* In Stock

- Example 1: FLA90-E-T5S-50K-WH-02
- Example 2: FLB160-E-T5V-50K-WH-04
- Example 3: FLC200-E-T5W-50K-WH-00