

LED Street Lighting

SETA Series

GigaTera[®]
beyond light

SET100 / SET080 / SET060

Product Description

- High Efficacy 125 lm/W
- Silver Reflector with 97% Reflection Ratio
- Wireless Lighting Control
- Built-in 20kV Surge Protection Device

Application

- Industry complex
- Business park
- Local way
- Alley-way

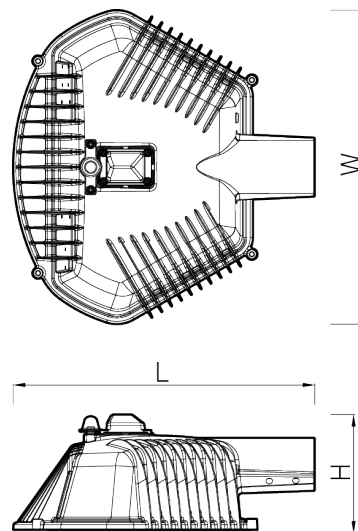
SETA Series



Certification

- UL / FCC
- CE
- PSE
- KC
- SABS
- TIS

Dimension



Size (L x W x H)	15.7 x 16.3 x 6.2 (inch)
	398.0 x 415.0 x 157.0 (mm)

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SETA Series Specifications

Model Name		SET100	SET080	SET060
Power Consumption		100W	80W	60W
Light Source		0.2W Mid Power LED Chips		
CCT		5000K (5700K / 4000K / 3000K available)		
Luminous Flux *		13,000 lm	10,400 lm	7,500 lm
Luminous Efficacy *		130 lm/W	130 lm/W	125 lm/W
Color Rendering Index		80 Ra		
LED Driving Current		83.3 mA	100 mA	
Light Distribution		Type II-S		
BUG Rating		B3 – U1 – G3	B2 – U1 – G2	
LED Chip Manufacturer		SAMSUNG		
Input Voltage		100 ~ 277 Vac		
Input Current		Max. 1.25A (@100 Vac)	Max. 1.0A (@100 Vac)	Max. 0.75A (@100 Vac)
Power Factor		≥0.9 at Max load		
Frequency		50 / 60 Hz		
Surge Protection		Line – Line 20kV , Line – FG 20kV		
Driver Type		Constant Current (CC)		
Fixture Manufacturer		KMW INC. / Made in Korea		
Size (L x W x H)		15.7 x 16.3 x 6.2 (inch) / 398 x 415 x 157 (mm)		
Weight (Driver Included)		9.9 lb / 4.5 kg		
Material	Body	Cast Aluminum		
	Optic	Silver Coating Reflector		
	Cover	Tempered Glass 4.0T (Clear)		
Finish		Powder Coating		
IP Rating	IK Rating	IP66 / IK08		
Operating Temperature		-22°F ~ 140°F / -30°C ~ 60°C		
Option	Control Option	Wireless (ZigBee) / Sensor (Daylight)		
	Mounting Option	Horizontal Tenon Mount (*Mount Hole : Ø2.38 inch / Ø60.5 mm) / Junction Box		
Warranty		5 Years (12 hours usage per day)		

* Tolerance : ± 5%

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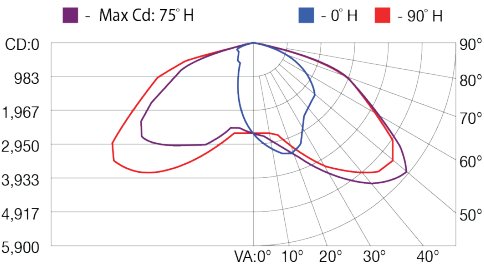
SETA Series



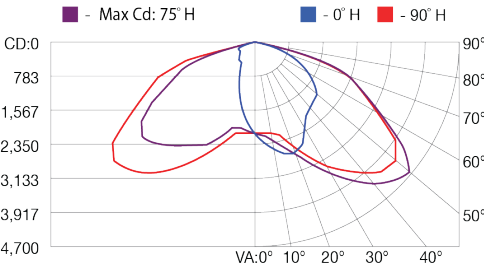
SET100 / SET080 / SET060

SETA Series Photometry Data

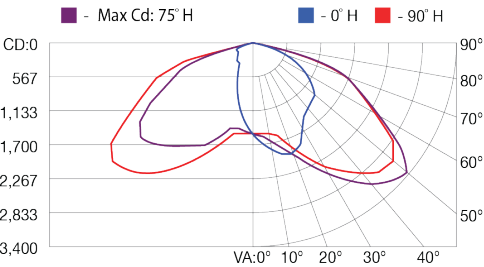
SET100 / 5000K / Type II-S



SET080 / 5000K / Type II-S



SET060 / 5000K / Type II-S



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Control System (Optional)

ZigBee	Wireless Control
Input Voltage	15 Vdc
Max. Power Consumption	0.36W (@15 Vdc)
Standard	2.4 GHz ~ IEEE 802.15.4 (Compatible)
Network	MESH
RF Tx Power	Max. +8 dBm (Typ. 5 dBm)
Data Rate	250 kbps
Security	128 bit AES Encryption Algorithms
Dimmer	PWM, 0 ~ 10 Vdc
Antenna	Omni Type, 2 dBi

Hybrid Sensor	Smart Sensor Module
Operating Voltage Range	5 ~ 50 Vdc (Typ. 15 Vdc)
Max. Power Consumption	0.6W (@15 Vdc)
Operating Temperature Range	-22°F ~ 122°F / -30°C ~ 50°C
Detectable Illumination Range	9.2 – 92 fc (Default : 64 fc) / 100 – 1,000 lx (Default : 700 lx)
LED Light BI-level Setting	0 % to 30 % (Adjustable) / 10% (Default)
Output Signal	PWM
Weight	0.33 lb / 150 g

Mount Type (Optional)

SET100 / 080 / 060

		
KMDLMBK010180	KETBKTLA4BG1001	KETBKTLA4BG1002
Pole Mounting Bracket (Junction Box type)	Pole Mounting Bracket (Junction Box type, Tilting Angle 5°)	Pole Mounting Bracket (Junction Box type, Tilting Angle 10°)




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Mount Bracket Installation Reference

KMDLMBK010180	KETBKTLA4BG1001
	
KETBKTLA4BG1002	
	

Ordering Information			Ordering Code Usage : SET100-B502SOZS				
SET	000	-	0	00	000	0	0
	Power Consumption		Input Voltage	CCT(K)	Distribution Type	Control System	Surge Protector
	100 = 180W 080 = 150W 060 = 130W		A = 100~277V	57 = 5700K 50 = 5000K 40 = 4000K 30 = 3000K	2SO = Type II-S	A = Daylight Z = ZigBee N = None	S = Yes N = None