

LED Roadway Lighting

SETA Series

GigaTera[®]
beyond light

SET100 / SET080

Product Description

- Wireless Lighting Control
- Built-in 20kV Surge Protection Device

Application

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

Certification

- UL / FCC
- CE
- DLC
- KC
- TIS



SETA Series Specifications

Model Name	SET100	SET080
Power Consumption	100W	80W
CCT	5000K (5700K / 4000K / 3000K available)	
Luminous Flux *	13,500 lm	10,800 lm
Luminous Efficacy *	135 lm/W	
CRI	80 Ra	
LED Driving Current	83.3 mA	100 mA
Light Distribution	Type II-S	
BUG Rating	B3 – U0 – G3	B2 – U0 – G2
Input Voltage	100 ~ 277 Vac / 100 ~ 240 Vac	
Input Current	Max. 1.25A (@100 Vac)	Max. 1.0A (@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	GigaTera Lighting Inc.	
Size	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	Al Coating Reflector
	Cover	Tempered Glass 4.0T (Clear)
Finish	Powder Coating	
IP Rating	IK Rating	IP66 / IK08
Operating Temperature	-30°C ~ 50°C	
Option	Control	Wireless (ZigBee) / Sensor (Daylight)
	Mounting	Horizontal Tenon Mount (*Mount Hole : Ø2.38 inch / Ø60.5 mm, Ø1.57 inch / Ø40 mm) / Junction Box
Warranty	5 Years (12 hours usage per day)	

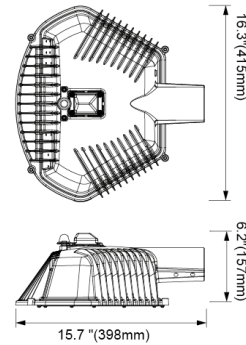
* Tolerance : ± 10%

LED Roadway Lighting

SETA Series

SET100 / SET080

SETA Series (100W / 80W)



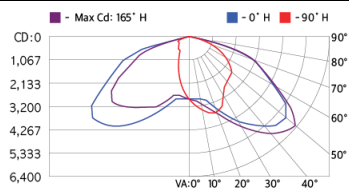
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15.7 x 16.3 x 6.2 (inch)

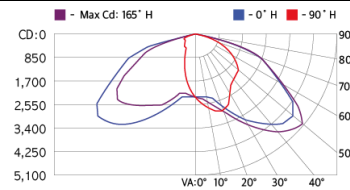
398 x 415 x 157 (mm)

Photometry Data

SET100 / 5000K / Type II-S



SET080 / 5000K / Type II-S



Control System (Optional)

ZigBee	Wireless Control
Input Voltage	15 Vdc
Max. Power Consumption	0.3W (@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
Antenna	Omni Type, 2 dBi
Daylight Sensor	Smart Sensor Module
Operating Voltage Range	15 Vdc
Max. Power Consumption	0.6W (@15 Vdc)
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)
Weight	0.33 lb / 150 g

Mount Bracket Installation (Optional)

SET100 / 080

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

Ordering Information

Ordering Code Usage : SET100-B502S0ZS

SET	○○○	-	○	○○	○○○	○	○
	Power Consumption		Input Voltage	CCT(K)	Distribution Type	Control System	Surge Protector
	100 = 100W 080 = 80W		A = 100~277V B = 100~240V	57 = 5700K 50 = 5000K 40 = 4000K 30 = 3000K	2S0 = Type II-S	G = Daylight + ZigBee Z = ZigBee N = None	S = Surge N = None