

LED AREA FLOOD LIGHTING

STREET LIGHTING

SETA

series

The SETA series from GigaTera provides a durable and high quality yet light weight and affordable solution for street and highway lighting. With the state of the art GigaTera cooling technology, optimised distribution and with the ability for wireless control, the Seta series is the new standard for street lighting.



LIGHTING
TECHNOLOGY

LED AREA FLOOD LIGHTING

SETA series



UNRIVALED EFFICACY

The Seta series harnesses the reflector technology to produce unrivaled efficiency and efficacy, up to 145lm/W.

COOLING TECHNOLOGY

With quality heat sinks, high grade aluminium and an intelligent design to promote natural convection the Seta series extends its life way beyond the norm.

OUTSTANDING DURABILITY

Designed with corrosion, weathering and rough handling in mind the Seta series undergoes a variety of stress tests to ensure it meets all requirements needs and more.

POWERFUL LED AND REFLECTOR TECHNOLOGY

The Seta series utilises a unique reflector technology to distribute light which improves not only efficacy but also allows the Seta to be aimed with extreme accuracy.

EXCELLENT LIGHT DISTRIBUTION

Throughout the different models and specifications of the Seta series there is a variety of beam distributions all which have been designed to maximise illumination while minimising light pollution and glare.

OPTIMISED FOR WIRELESS CONTROL

Each Seta is capable being controlled wirelessly. As the Seta is an LED this means not only can it be remotely turned on and off but also dimming up and down. This cuts down on infrastructure costs

REPLACEMENT FOR HID FLOODLIGHT

The Seta series was designed specifically to replace its setal halide counterpart while providing a 60% reduction in ongoing power costs.

APPLICATIONS

Thanks to the Seta's unrivaled performance and longevity, along with the range of models in the series, it can be utilised in a range of vastly different settings.



**AREA
LIGHTING**



**STREET
LIGHTING**



MINING



PARKING

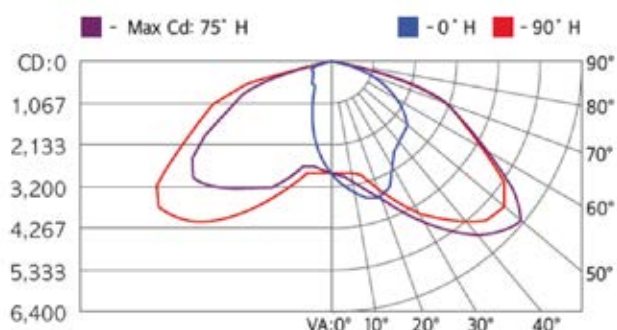


SETA series - models SET60 / SET80 / SET100 / STL60 / STL80 / STL100

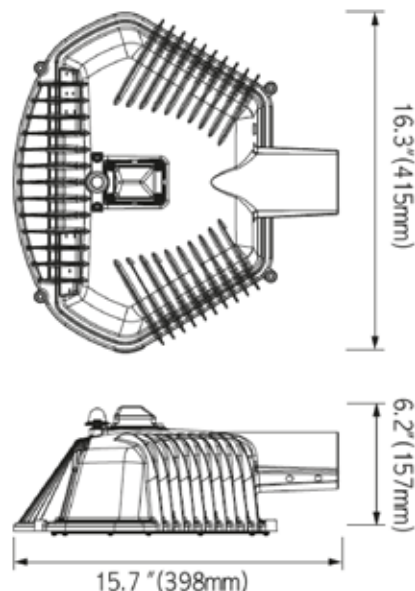
SETA series 60W / 80W / 100W



PHOTOMETRY DATA (5700K)



DIMENSIONS

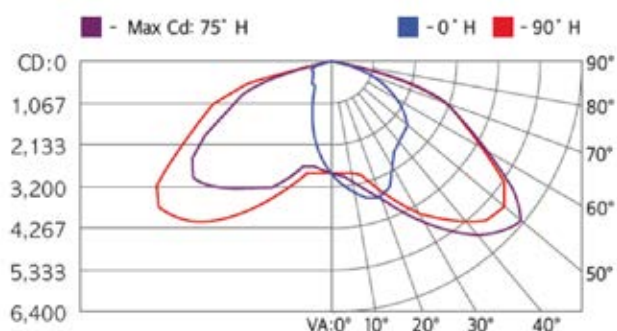


SIZE (L X W X H) 15.7 x 16.3 x 6.2 (inch)
398.0 x 415.0 x 157.0 (mm)

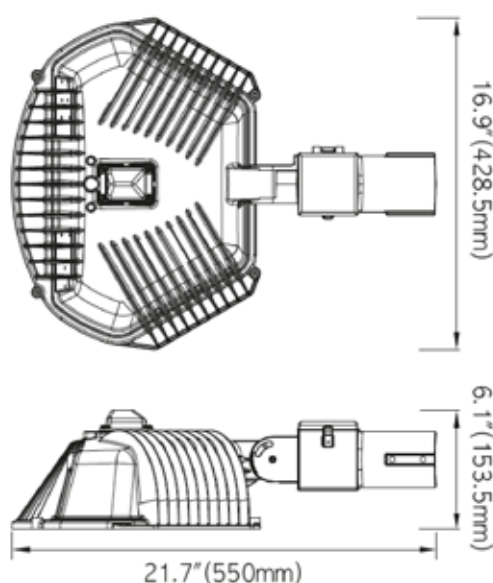
SETA-LT series 60W / 80W / 100W



PHOTOMETRY DATA (5700K)



DIMENSIONS



SIZE (L X W X H) 21.7 x 16.9 x 6.1 (inch)
550.0 x 430.0 x 153.5 (mm)

LED AREA FLOOD LIGHTING

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)			

LED AREA FLOOD LIGHTING

SETA series

SPECIFICATIONS

Model Name		STL100	STL080	STL060
Power Consumption		100W	80W	60W
Light Source		0.2W Mid Power LED Chips		
CCT		5000K (5700K / 4000K / 3000K available)		
Luminous Flux *		12,500 lm	10,000 lm	7,200 lm
Luminous Efficacy *		125 lm/W		120 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)		21.7 x 16.9 x 6.1 (inch) / 550 x 430 x 153.5 (mm)		
Weight (Driver Included)		12.2 lb / 5.5 kg		
Material	Body	Cast Aluminum		
	Optic	Silver Coating Reflector		
	Cover	Tempered Glass 4.0T (Clear)		
Finish		Powder Coating		
IP Rating		IP66		
Operating Temperature		-22°F ~ 140°F / -30°C ~ 60°C		
Option	Control Option	Wireless (ZigBee) / Sensor (Daylight)		
	Mounting Option	Horizontal Tilting Tenon Mount (*Mount Hole : Ø2.38 inch / Ø60.5 mm)		
Warranty		10 Years (12 hours usage per day)		

CONTROL SPECIFICATIONS (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

CERTIFICATIONS

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

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LIGHTING
TECHNOLOGY

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