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STREET LIGHT

Gobo T

MAY 2019

TITAN SERIES FEATURES & BENEFITS

01. HOUSING

- 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.
- IK08 rated.
- Meets 3G vibration per ANSI C136.31-2010.

02. FINISH

- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO
- Black Powder Coat

03. LED & OPTICAL ASSEMBLY

- Each PCB are mounted with a TVS (Transient Voltage Suppressors) to protect the LEDs from voltage transients induced by lightning and other transient voltage events.
- High-uniformity LED optics are constructed of durable optical polycarbonate that is impact and UV resistant.
- The metal plate provides double protection for the LED light engine and prolongs LED optics life.
- Over 15 optical lenses are available for virtually any application.
- Each LED module are 100% tested prior to assembly which is IP67 rated.

04. MOUNTING

- Side-entry mounting.
- 0, +/-2.5, +/-5 degree of tilting angle adjustment.
- Adjustable for 1 5/8-2 3/8"(42mm-60mm) O.D. tenon.
- Brackets are available for different installations.

05. Electrical/ Key Components/ Controls

- 24VDC
- Standard maximum surge protection to 20kV/10kA per ANSI/IEEE C62.41.2-2002.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.

06. Product Certifications

- UL/ CUL/ DLC/ LM79/ CB/ CE/ RoHS/ IK08
(Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org)



TECHNICAL PARAMETERS

PRODUCT MODEL

Power	30-120W
Input	24VDC
PF	>0.95
THD	<20%
L70/L90	>200,000H/>60,000H
Operating Temperature	-40°C ~ +50°C
Typical Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70 or 80 or 90

IP Rating	IP67
SPD	10KA or 20KA
Certificate/Qualification	UL/ CUL/ DLC/ LM79/ CB/ CE/ RoHS/ IK08
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type II, Type III, Type IV, Type V
Color Options	Black

* Standard

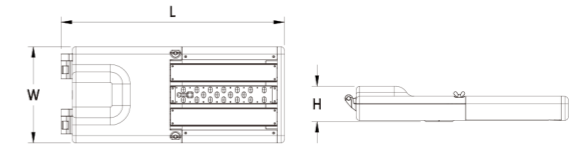
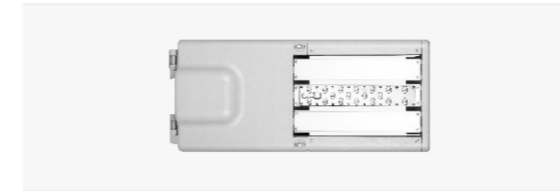
ORDERING INFORMATION

MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	ACCESSORY INFO
SKA30D 30W	T2M Type II Medium	30K 3045	Adaptor Bracket
SKB40D 40W	★ T3L Type III Long	±175K	Bird Spike
SKA60D 60W	★ T4M Type IV Medium	★ 40K 3985	3/5/7-pin NEMA Receptacle
SKB80D 80W	T5U Average beam angle 10°	±275K	Safety Cable
SKA90D 90W	T5V Average beam angle 25°	50K 5028	Knife Switch
SKB120D 120W	T5W Average beam angle 40°	±283K	20KA Surge Protection Device
	T5S Average beam angle 60°	57K 5665	
	T5M Average beam angle 90°	±355K	
	T5L Average beam angle 120°		
	T5X Average beam angle 150°		
	T5D Diffuser		

★ Regularly stocked item

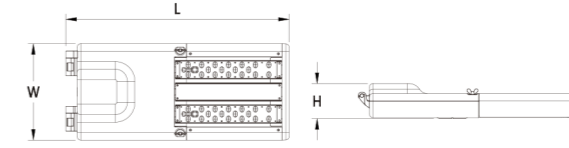
● Example 1: SKA60-T2M-50K-BZ-04

● Example 2: SKB40-T5U-50K-WH-01



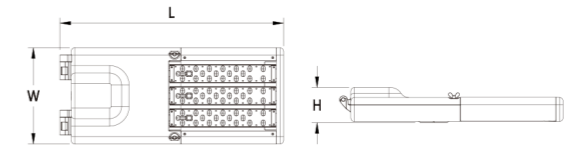
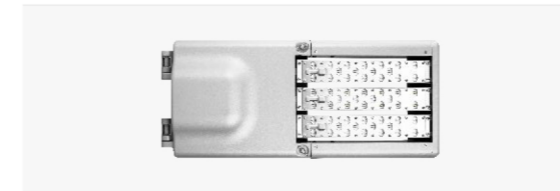
Model	SKA30D/SKB40D	Net Weight	6.58kg(14.51lbs)
LED Modules	1	Gross Weight	7.54kg(16.62lbs)
LEDs	18	Product Dimensions	626x270x99mm 24.65"x10.63"x3.90"
EPA(sq.ft.)	0.725	Carton Dimensions	695x325x170mm 27.36"x12.80"x6.69"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000/5000K	
SKA30D	31W	24VDC	500mA	3627lm	4030lm	130
SKB40D	41W	24VDC	700mA	4613lm	5125lm	125



Model	SKA60D/SKB80D	Net Weight	6.94kg(15.30lbs)
LED Modules	2	Gross Weight	7.78kg(17.15lbs)
LEDs	36	Product Dimensions	626x270x99mm 24.65"x10.63"x3.90"
EPA(sq.ft.)	0.725	Carton Dimensions	695x325x170mm 27.36"x12.80"x6.69"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000/5000K	
SKA60D	61W	24VDC	500mA	7247lm	8052lm	132
SKB80D	78W	24VDC	700mA	8986lm	9984lm	128



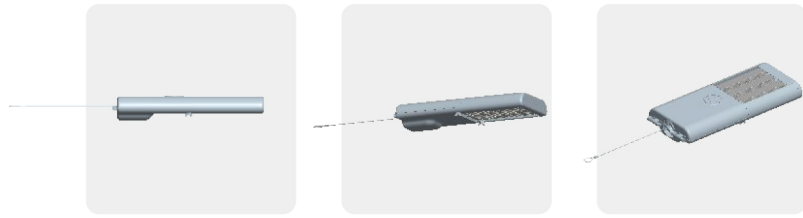
Model	SKA90D/SKB120D	Net Weight	7.38kg(16.27lbs)
LED Modules	3	Gross Weight	8.34kg(18.39lbs)
LEDs	54	Product Dimensions	626x270x99mm 24.65"x10.63"x3.90"
EPA(sq.ft.)	0.725	Carton Dimensions	695x325x170mm 27.36"x12.80"x6.69"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000/5000K	
SKA90D	87W	24VDC	500mA	10571lm	11745lm	135
SKB120D	118W	24VDC	700mA	13806lm	15340lm	130

CUSTOMIZED SOLUTIONS



01.Safety Cable



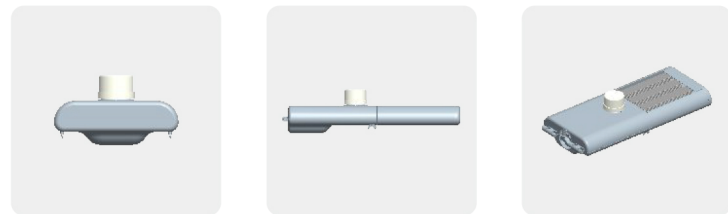
02.Bird Spike



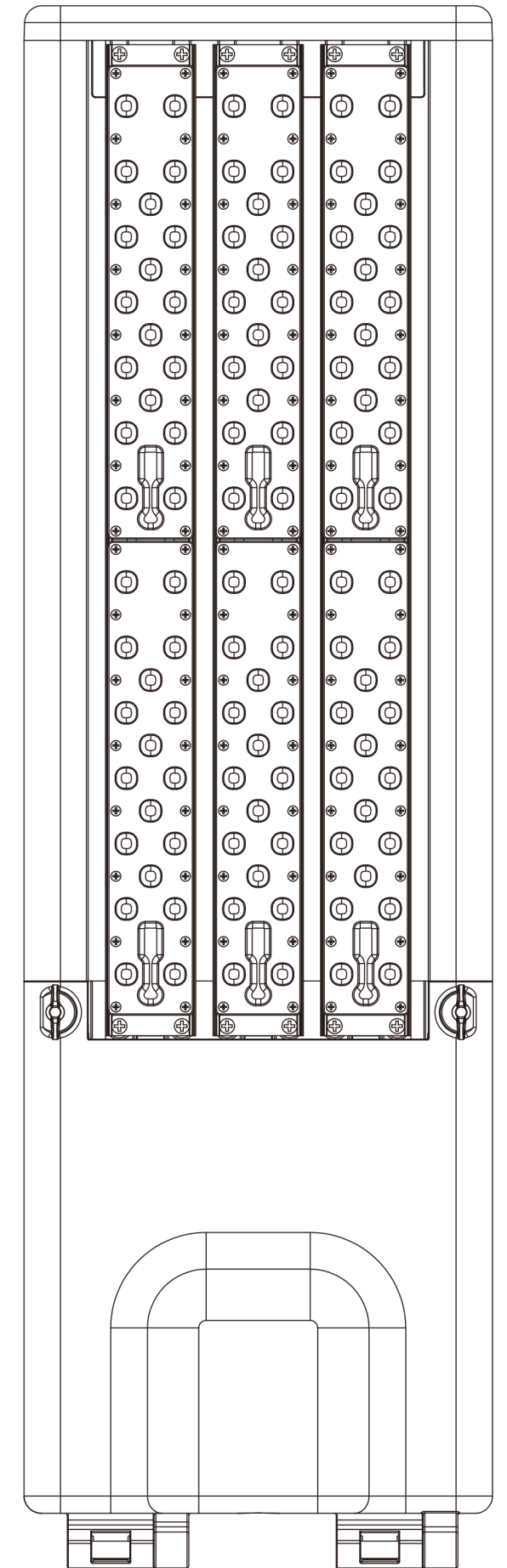
03.Backlight Shield



04.3/5/7 -pin NEMA Receptacle+Shorting Cap/Photocell



05.Adaptor Bracket

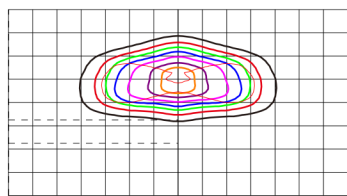


ACCESSORIES OPTICS

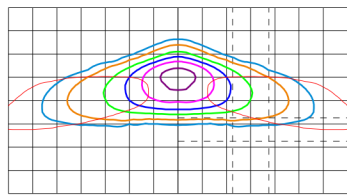
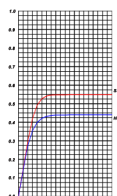
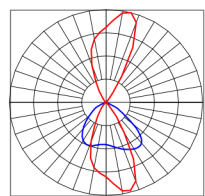
ISO Plot

Polar Curve

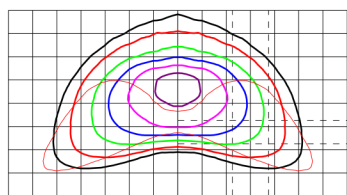
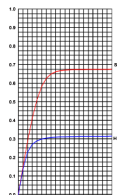
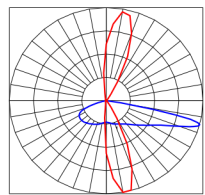
Cu Graph



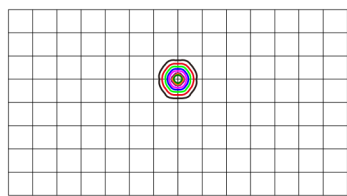
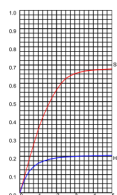
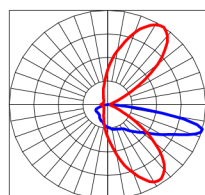
T2M Type II Medium



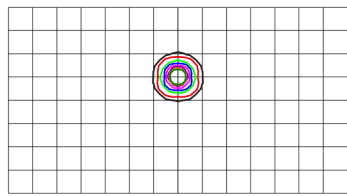
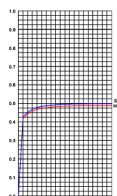
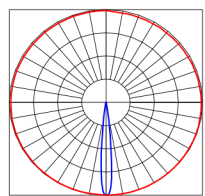
T3L Type III Long



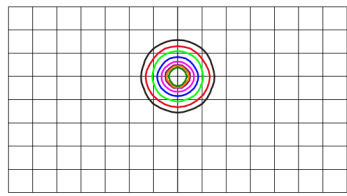
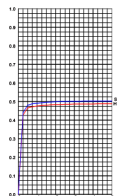
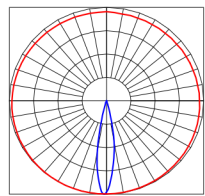
T4M Type IV Medium



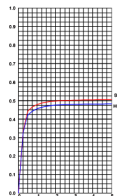
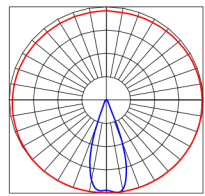
T5U Average beam angle 10°



T5V Average beam angle 25°



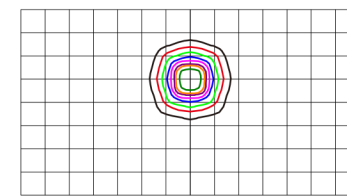
T5W Average beam angle 40°



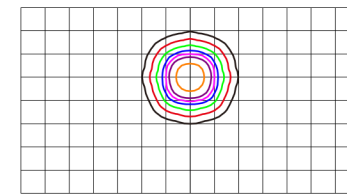
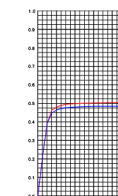
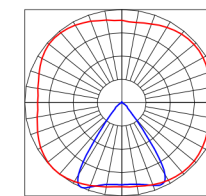
ISO Plot

Polar Curve

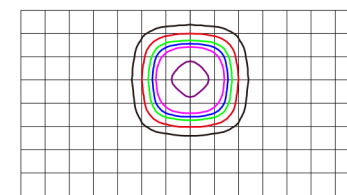
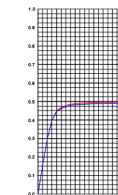
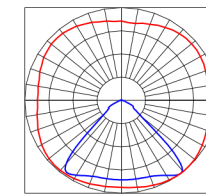
Cu Graph



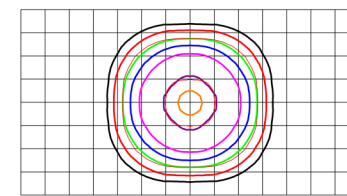
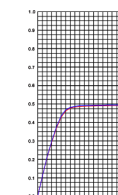
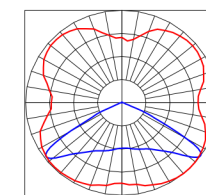
T5S Average beam angle 60°



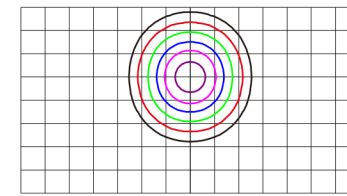
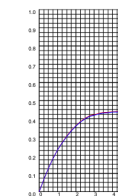
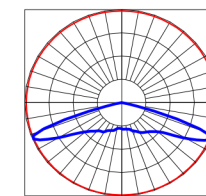
T5M Average beam angle 90°



T5L Average beam angle 120°



T5X Average beam angle 150°



T5D Diffuser

