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 9227:2012.
- Standard colors: Grey, Black, Bronze and White.

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 titling 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

- 120-277VAC and 347-480VAC and 12-24VDC available.
- 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.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.
- 3-pin/ 5-pin/ 7-pin photocell are available for light level adjustments.

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 theDLC Qualified Products List at www.designlights.org)

TECHNICAL PARAMETERS

Power	30~240W
Input	120-277VAC or 220-240VAC or 347-480 VAC or 12~24 VDC
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	Grey/Black/Bronze/White

* Standard

ORDERING INFORMATION

MODEL (Norminal Power)				OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
SKA30 30W	**SKB40** 40W	**SKB80H*** 80W	**SKA30D**** 30W	**T2M** Type II Medium	**30K** 3045 ±175K	★ **GR** Grey (RAL:7004)	**00** Not required	Adaptor Bracket
SKA60 60W	**SKB80** 80W	**SKB120H*** 120W	**SKB40D**** 40W	**T3L** Type III Long	★ **40K** 3985 ±275K	**BK** Black (RAL:9011)	**01** Photocell	Bird Spike
SKA90 90W	**SKB120** 120W	**SKB160H*** 160W	**SKA60D**** 60W	**T4M** Type IV Medium	★ **50K** 5028 ±283K	**BZ** Bronze (RAL:8019)	**02** Motion Sensor	3/5/7-pin NEMA Receptacle
SKA120 120W	**SKB160** 160W	**SKB240H*** 240W	**SKB80D**** 80W	**T5U** Average beam angle 10°	**57K** 5665 ±355K	**WH** White (RAL:9010)	**03** Photocell + Motion Sensor	Safety Cable
SKA180 180W	**SKB240** 240W		**SKA90D**** 90W	**T5V** Average beam angle 25°			**04** DALI	Knife Switch
			SKB120D** 120W	**T5W** Average beam angle 40°			**05** 1-10V dimming	20KA Surge Protection Device
				T5S Average beam angle 60°				
				T5M Average beam angle 90°				
				T5L Average beam angle 120°				
				T5X Average beam angle 150°				
				T5D Diffuser				

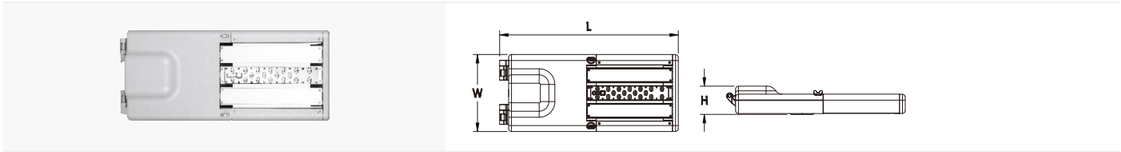
* DALI & Motion sensor unavailable

** 1-10V dimming & DALI & Motion sensor unavailable

★ Regularly stocked item

- Example 1: SKA60-T2M-50K-BZ-04
- Example 2: SKB40-T5U-50K-WH-01

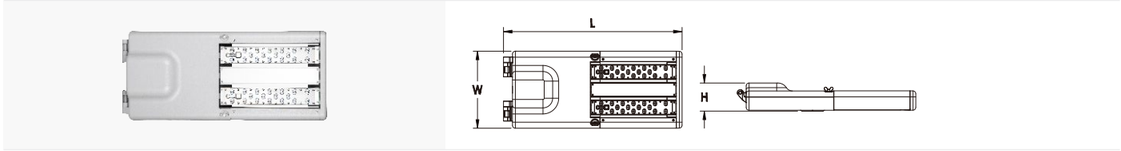
PRODUCT MODEL



Model	SKA30/SKB40/SKA30D/ SKB40D
LED Modules	1
LEDs	18
EPA(sq.ft.)	0.725

Net Weight	6.58kg(14.51lbs)
Gross Weight	7.54kg(16.62lbs)
Product Dimensions	626x270x99mm 24.65"x10.63"x3.90"
Carton Dimensions	695x325x170mm 27.36"x12.80"x6.69"

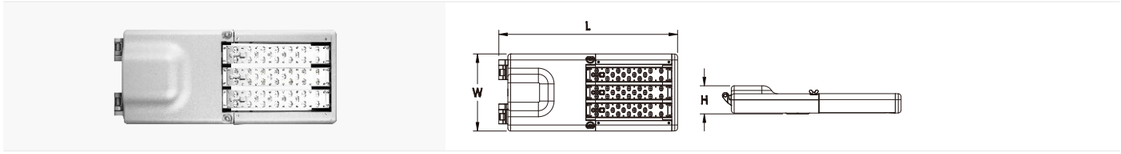
Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SKA30	31W	120-277VAC	530mA	3627lm	4030lm	130
SKB40	41W	120-277VAC	700mA	4613lm	5125lm	125
SKA30D	31W	9-18VDC or 18-32VDC	500mA	3627lm	4030lm	130
SKB40D	41W	9-18VDC or 18-32VDC	700mA	4613lm	5125lm	125



Model	SKA60/SKB80/SKB80H/ SKA60D/SKB80D
LED Modules	2
LEDs	36
EPA(sq.ft.)	0.725

Net Weight	6.94kg(15.30lbs)
Gross Weight	7.78kg(17.15lbs)
Product Dimensions	626x270x99mm 24.65"x10.63"x3.90"
Carton Dimensions	695x325x170mm 27.36"x12.80"x6.69"

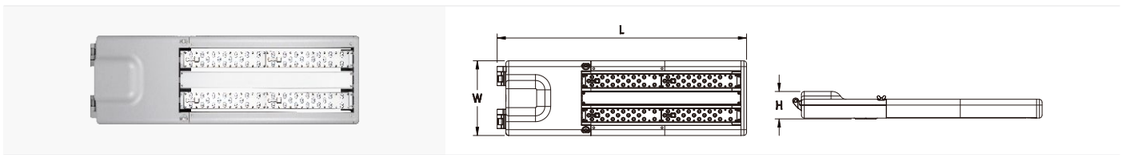
Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SKA60	61W	120-277VAC	530mA	7247lm	8052lm	132
SKB80	78W	120-277VAC	700mA	8986lm	9984lm	128
SKB80H	78W	347-480VAC	700mA	8986lm	9984lm	128
SKA60D	61W	9-18VDC or 18-32VDC	500mA	7247lm	8052lm	132
SKB80D	78W	9-18VDC or 18-32VDC	700mA	8986lm	9984lm	128



Model	SKA90/SKB120/SKB120H/ SKA90D/SKB120D
LED Modules	3
LEDs	54
EPA(sq.ft.)	0.725

Net Weight	7.38kg(16.27lbs)
Gross Weight	8.34kg(18.39lbs)
Product Dimensions	626x270x99mm 24.65"x10.63"x3.90"
Carton Dimensions	695x325x170mm 27.36"x12.80"x6.69"

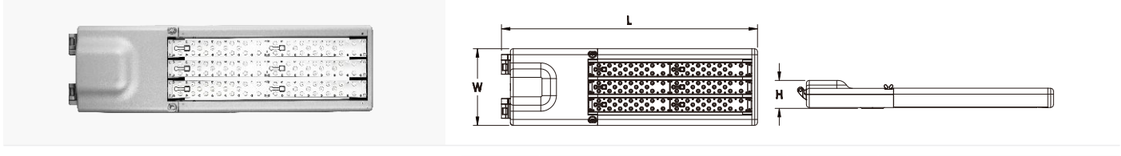
Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SKA90	87W	120-277VAC	530mA	10571lm	11745lm	135
SKB120	118W	120-277VAC	700mA	13806lm	15340lm	130
SKB120H	118W	347-480VAC	700mA	13806lm	15340lm	130
SKA90D	87W	9-18VDC or 18-32VDC	500mA	10571lm	11745lm	135
SKB120D	118W	9-18VDC or 18-32VDC	700mA	13806lm	15340lm	130



Model	SKA120/SKB160/SKB160H
LED Modules	4
LEDs	72
EPA(sq.ft.)	1.002

Net Weight	8.95kg(19.73bs)
Gross Weight	10.04kg(22.13lbs)
Product Dimensions	901x270x99mm 35.47"x10.63"x3.90"
Carton Dimensions	970x325x170mm 38.19"x12.80"x6.69"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SKA120	110W	120-277VAC	530mA	13365lm	14850lm	135
SKB160	156W	120-277VAC	700mA	18252lm	20280lm	130
SKB160H	156W	347-480VAC	700mA	18252lm	20280lm	130



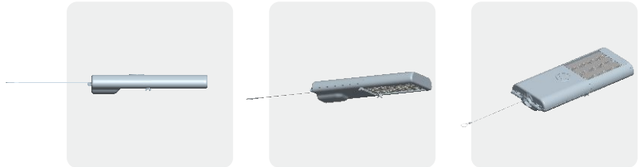
Model	SKA180/SKB240/SKB240H
LED Modules	6
LEDs	108
EPA(sq.ft.)	1.002

Net Weight	10.12kg(22.31lbs)
Gross Weight	11.28kg(24.87lbs)
Product Dimensions	901x270x99mm 35.47"x10.63"x3.90"
Carton Dimensions	970x325x170mm 38.19"x12.80"x6.69"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SKA180	172W	120-277VAC	530mA	20898lm	23220lm	135
SKB240	234W	120-277VAC	700mA	27378lm	30420lm	130
SKB240H	234W	347-480VAC	700mA	27378lm	30420lm	130

CUSTOMIZED SOLUTIONS

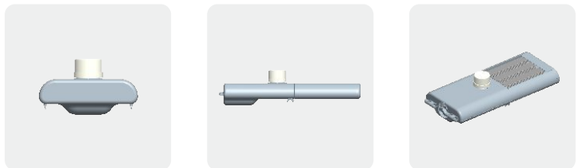
01.Safety Cable



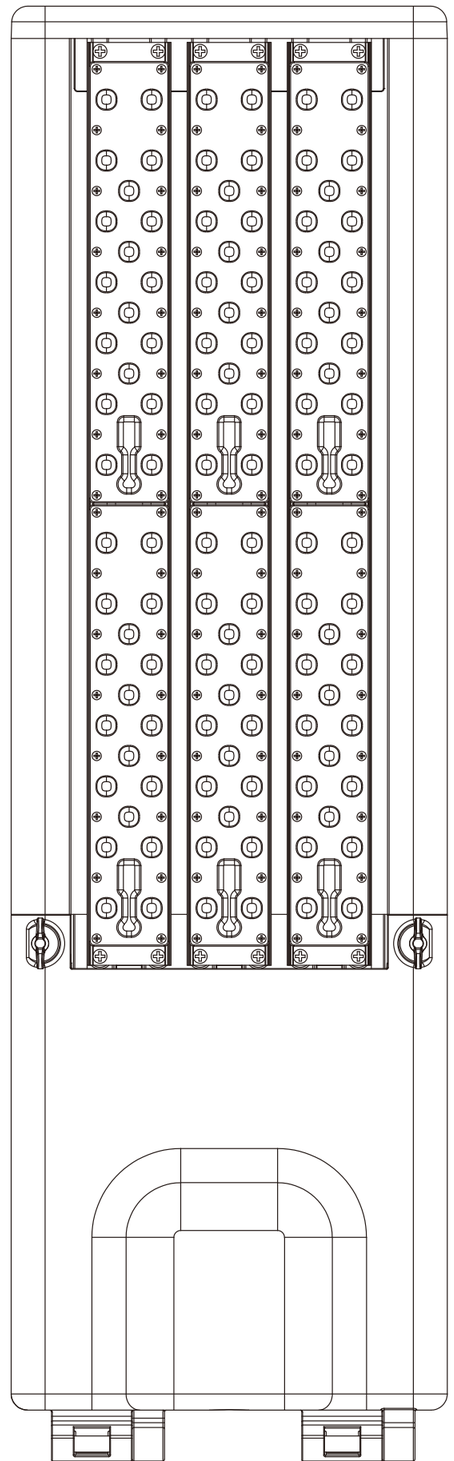
02.Bird Spike

03.Backlight Shield

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

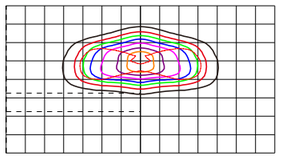
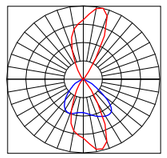
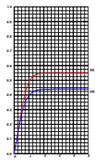


05.Adaptor Bracket

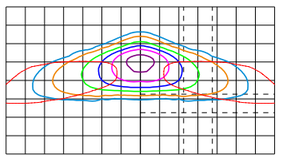
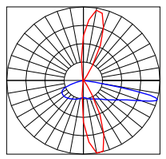
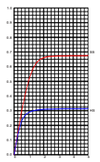


ACCESSORIES
OPTICS

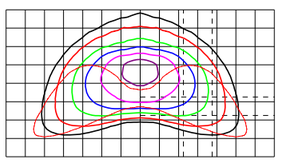
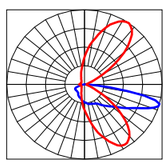
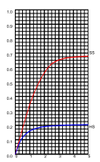
ISO Plot | Polar Curve | Cu Graph

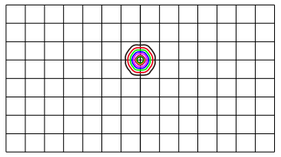
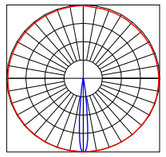
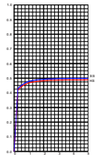
T2M Type II Medium

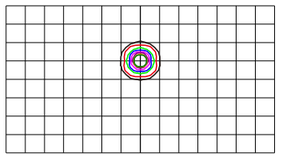
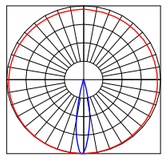
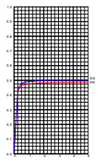
T3L Type III Long

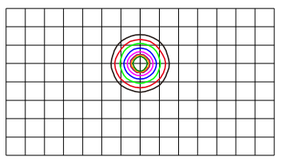
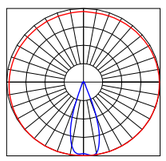
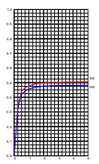
T4M Type IV Medium

T5U Average beam angle 10°

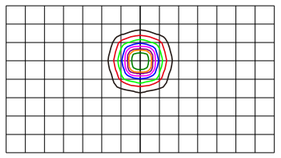
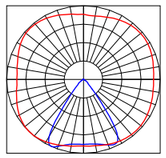
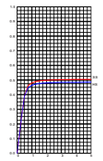




T5V Average beam angle 25°

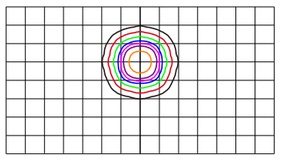
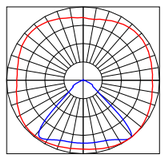
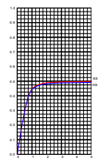




T5W Average beam angle 40°

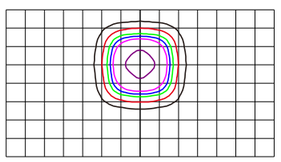
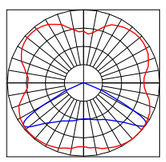
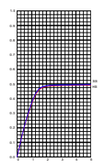
ISO Plot | Polar Curve | Cu Graph

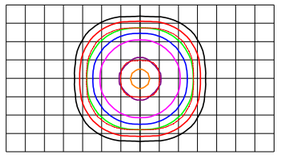
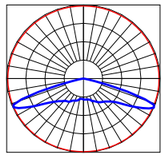
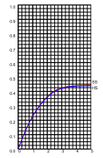
T5S Average beam angle 60°

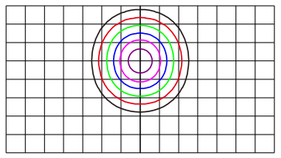
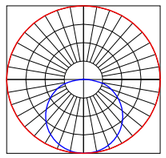
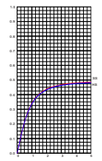
T5M Average beam angle 90°

T5L Average beam angle 120°

T5X Average beam angle 150°

T5D Diffuser