

EDGE SERIES FEATURES & BENEFITS

01.HOUSING

- Rugged extruded aluminum housing.
- Modular design allows for easy installation, replacement and maintenance.
- IP67 rated.
- IK08 rating option available.

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.
- Customized colors are available.

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.

04.MOUNTING

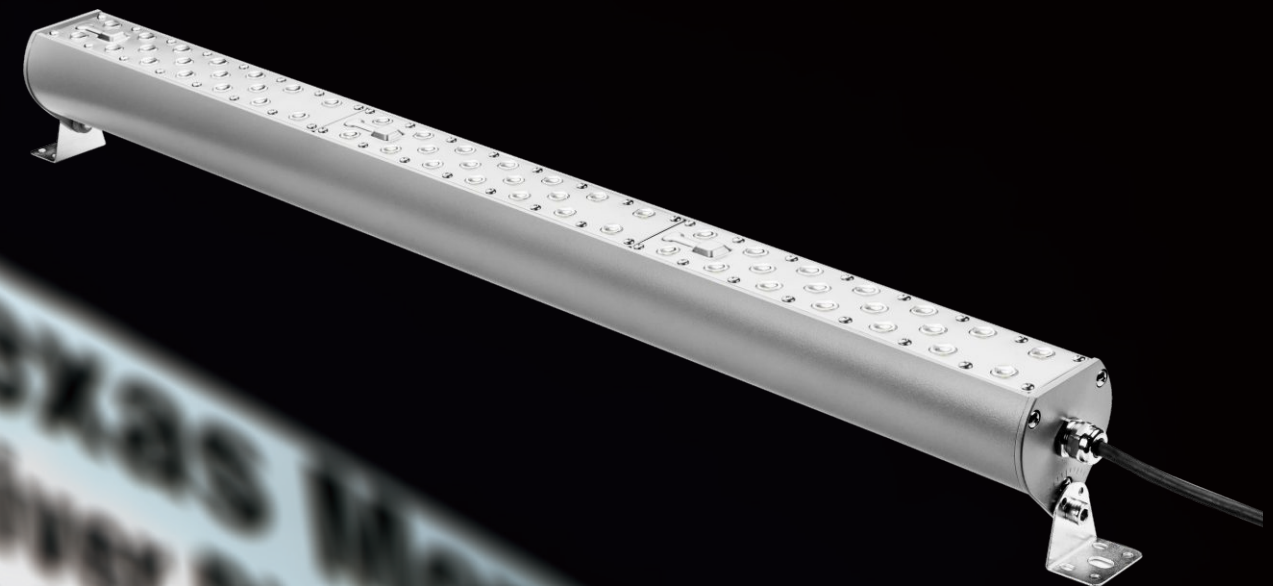
- Surface mount and suspension mount available.

05.Electrical/ Key Components/ Controls

- 120-277VAC and 347-480VAC available.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.
- Multiple lighting control options are available, e.g. motion sensor, DALI, 1-10V.
- Emergency Power Supply (EPS) available.

06.Product Certifications

- UL/ CUL/ DLC/ LM79/ CB/ CE/ SAA/ 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

Power	60-150W	IP Rating	IP67
Input	120-277VAC or 220-240VAC or 347-480 VAC	SPD	Optional
PF	>0.95	Certificate/Qualification	UL/ CUL/ DLC/ LM79/ CB/ CE/ SAA/ RoHS/ IK08
THD	<20%	DALI	Optional
L70/L90	>200,000H/>60,000H	1-10V	Optional
Operating Temperature	-40°C ~+50°C	Photocell	/
Typical Efficacy	120-160lm/W	Smart Control	/
ANSI CCT	3000K/4000K/5000K/5700K	Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Min CRI	70* or 80 or 90	Color Options	Grey/Black

* Standard

ORDERING
INFORMATION

MODEL (Norminal Power)		OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
BCA60 60W	BCA60H 60W	T1M Type I Medium	30K 3045	BK Black (RAL:9011) ★ GR Grey (RAL:7004)	00 Not required	Emergency Power Supply (EPS)
		T2M Type II Medium	±175K		02 Motion sensor	10KA/20KA Surge Protection Device
		T3M Type III Medium	★ 40K 3985		04 DALI	
		T3L Type III Long	±275K		05 1-10V dimming	
		T4S Type IV Short	★ 50K 5028			
		T4M Type IV Medium	±283K			
		T5U Average beam angle 10°	5665			
		T5V Average beam angle 25°	±355K			
		T5W Average beam angle 40°				
		T5S Average beam angle 60°				
BCA90 90W	BCA90H 90W	T5M Average beam angle 90°				
		T5L Average beam angle 120°				
		T5X Average beam angle 150°				
		T5D Diffuser				
BCA120 120W	BCA120H 120W					
BCA150 150W						

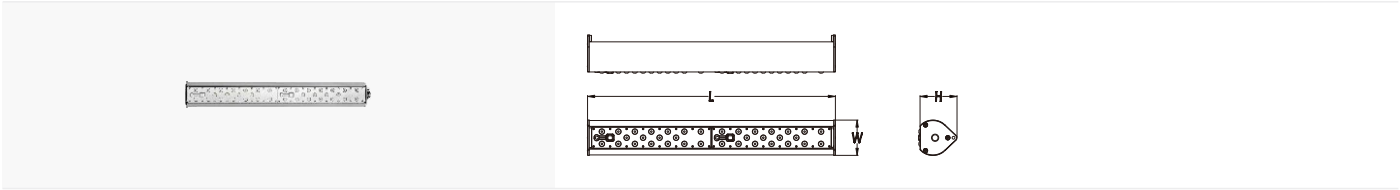
* 1-10V dimming & DALI & Motion sensor unavailable

★ Regularly stocked item

● Example 1: BCA60-T2M-30K-BK-00

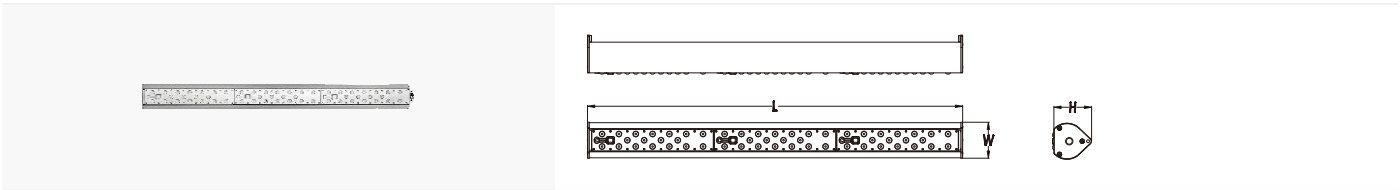
● Example 2: BCA90-T5U-40K-BK-04

PRODUCT
MODEL



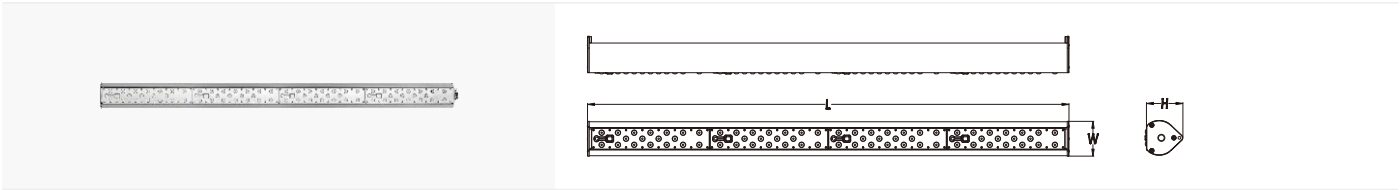
Model	BCA60/BCA60H	Net Weight	2.37kg(5.221lbs)
LED Modules	2	Gross Weight	2.69kg(5.93lbs)
LEDs	36	Product Dimensions	566x80.6x87.6mm 22.28"x3.17"x3.45"
Mounting options	Surface mount/ Suspension mount	Carton Dimensions	660x97x112mm 25.98"x3.82"x4.41"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
BCA60	61W	120-277VAC	530mA	7247lm	8052lm	132
BCA60H	61W	347-480VAC	530mA	7247lm	8052lm	132



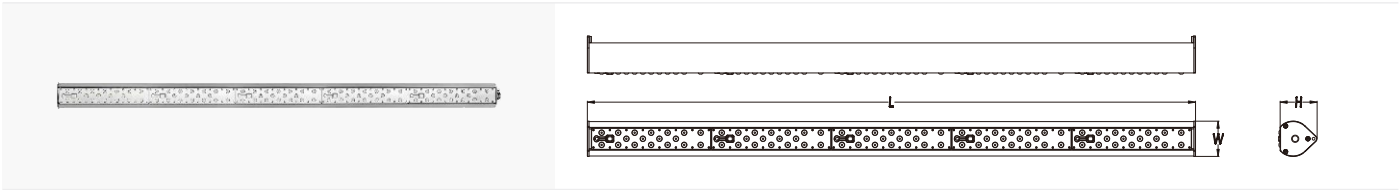
Model	BCA90/BCA90H	Net Weight	3.58kg(7.89lbs)
LED Modules	3	Gross Weight	4.02kg(8.86lbs)
LEDs	54	Product Dimensions	840.5x80.6x87.6mm 33.09"x3.17"x3.45"
Mounting options	Surface mount/ Suspension mount	Carton Dimensions	935x97x112mm 36.81"x3.82"x4.41"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
BCA90	87W	120-277VAC	530mA	10571lm	11745lm	135
BCA90H	87W	347-480VAC	530mA	10571lm	11745lm	135



Model	BCA120/BCA120H	Net Weight	4.21kg(9.28lbs)
LED Modules	4	Gross Weight	4.74kg(10.45lbs)
LEDs	72	Product Dimensions	1115x80.6x87.6mm 43.90"x3.17"x3.45"
Mounting options	Surface mount/ Suspension mount	Carton Dimensions	1210x97x112mm 47.64"x3.82"x4.41"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
BCA120	110W	120-277VAC	530mA	13365lm	14850lm	135
BCA120H	110W	347-480VAC	530mA	13365lm	14850lm	135

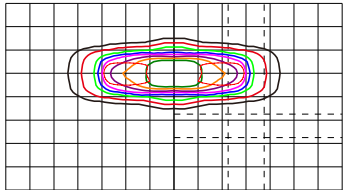
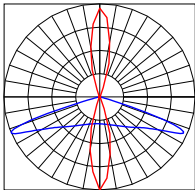
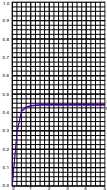
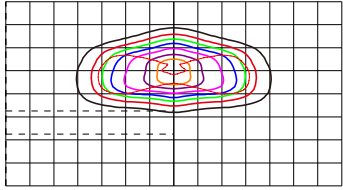
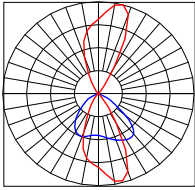
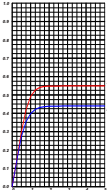
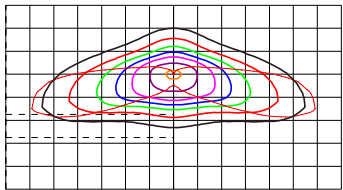
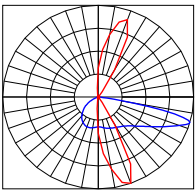
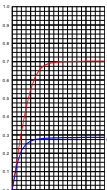
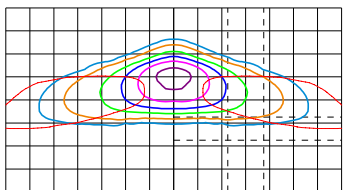
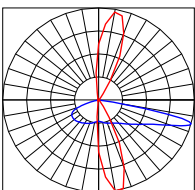
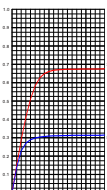
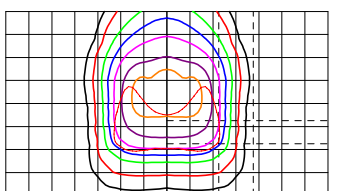
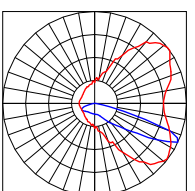
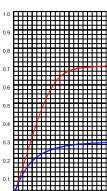
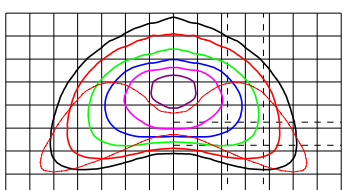
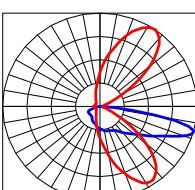
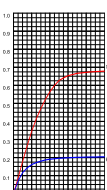
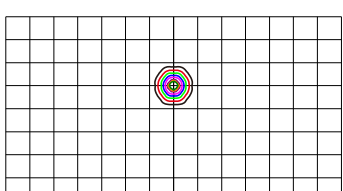
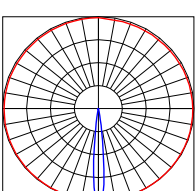
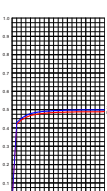


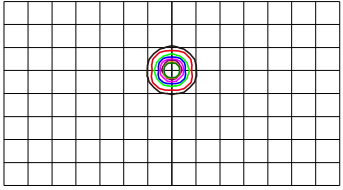
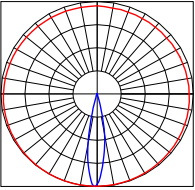
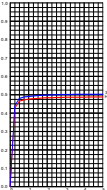
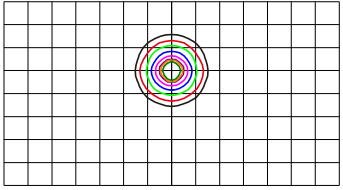
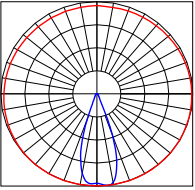
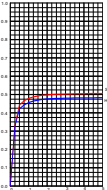
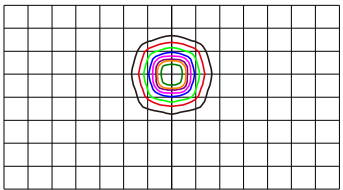
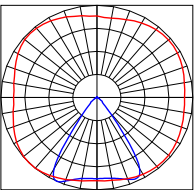
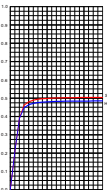
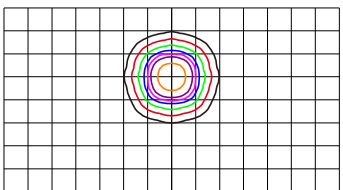
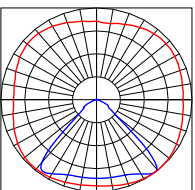
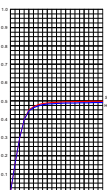
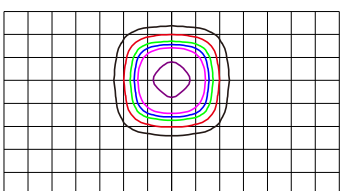
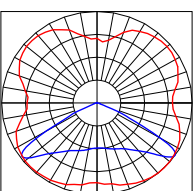
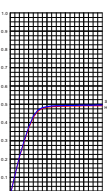
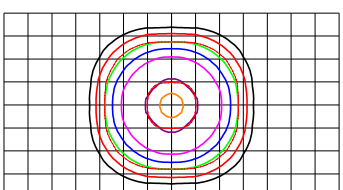
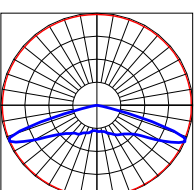
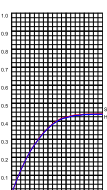
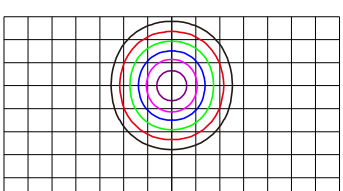
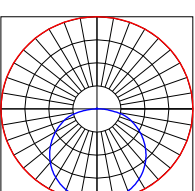
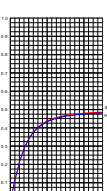
Model	BCA150	Net Weight	4.84kg(10.67lbs)
LED Modules	5	Gross Weight	5.46kg(12.04lbs)
LEDs	90	Product Dimensions	1389.5x80.6x87.6mm 54.70"x3.17"x3.45"
Mounting options	Surface mount/ Suspension mount	Carton Dimensions	1485x97x112mm 58.46"x3.82"x4.41"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
BCA150	141W	120-277VAC	530mA	17132lm	19035lm	135

ACCESSORIES

OPTICS

	ISO Plot	Polar Curve	Cu Graph
			
T1M Type I Medium			
			
T2M Type II Medium			
			
T3M Type III Medium			
			
T3L Type III Long			
			
T4S Type IV Short			
			
T4M Type IV Medium			
			
T5U Average beam angle 10°			

	ISO Plot	Polar Curve	Cu Graph
			
T5V Average beam angle 25°			
			
T5W Average beam angle 40°			
			
T5S Average beam angle 60°			
			
T5M Average beam angle 90°			
			
T5L Average beam angle 120°			
			
T5X Average beam angle 150°			
			
T5D Diffuser			