

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 20 optical lenses are available for virtually any application.

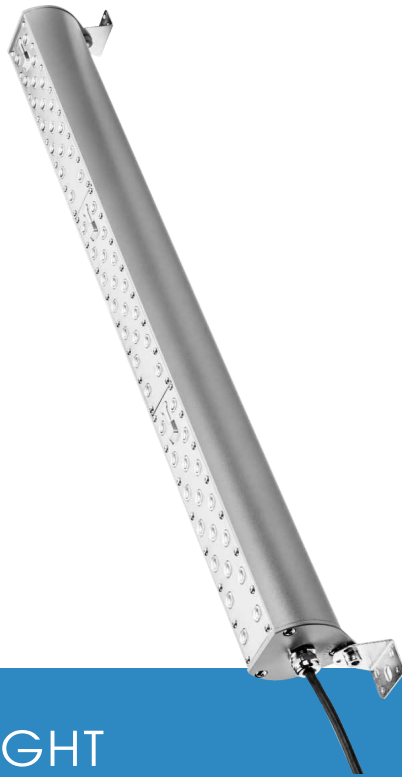
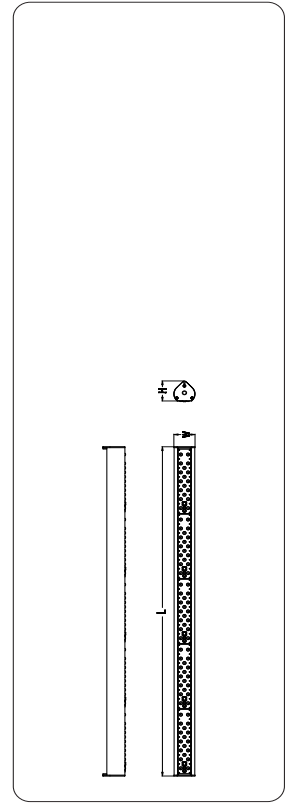
04. MOUNTING

- Surface mount and suspension mount available.

05. Electrical/ Key Components/ Controls

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

DIMENSIONAL DRAWING



BCA160 BCA160H	BCA190 BCA190H	BCA120 BCA120H	BCA150



All products are qualified in the DLC OPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org

TECHNICAL PARAMETERS

Power	60-150W
Input	120-277VAC or 202-240VAC or 347-480VAC
PF	>0.95
THD	<20%
I70/50	>200,000Hr / >60,000Hr
Operating Temperature	-40°C ~ +50°C
Typical Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min. CRI	70* or 80 or 90

* Standard

IP Rating	IP67
SPD	Optional
Certificate/Qualification	UL/CUL/DLC/LM79/CB/CE/3AM/RoHS/KO8
DALI	Optional
1-10V	Optional
Photocell	/
Smart Control	/
Optic (IESNA)	Type I, Type II, Type IV, Type V
Color Options	Grey/Black



APPLICATIONS

ORDERING INFORMATION

MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
BCA60 60W	T2M Type II Medium	30K	BK Black (RAL9011)	00 Not required	Emergency Power Supply (EPS)
BCA90 90W	T3M Type III Medium	30K ±175K	* GR Grey (RAL7004)	02 Motion sensor	100A/20KA Surge Protection Device
BCA120 120W	T3L Type III Long	* 40K 3985		04 DALI	
BCA150 150W	T4S Type IV Short	±175K * 50K		05 1-10V dimming	
	T4M Type IV Medium	5028			
	TSU Average beam angle 10°	±283K			
	TSV Average beam angle 25°	57K			
	TSW Average beam angle 40°	5655 ±355K			
	TSS Average beam angle 60°				
	TSM Average beam angle 90°				
	TSL Average beam angle 120°				
	TSK Average beam angle 150°				
	TSF Diffuser				

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

* Regularly stocked item

● Example 1: BCA60-T2M-30K-BK-00

● Example 2: BCA90-T5U-40K-BK-04

BRIEF SPECIFICATIONS

Model No.	System Power	LED Modules	Mounting options	Net Weight	Gross Weight	Product Dimensions	Carton Dimensions	Drive Current	Luminous Flux 3000K	Luminous Flux 4000/5000K	Efficacy (lm/W)
BCA-120-277VAC											
BCA60	61W	2	36	2.37kg (5.22lb)	2.69kg (5.93lb)	22.28*33.17*33.45*	25.98*33.82*44.1*	74.71mA	7247lm	8052lm	132
BCA90	87W	3	54	3.58kg (7.89lb)	4.02kg (8.86lb)	33.09*33.17*33.45*	36.81*33.82*44.1*	53.0mA	10571lm	11745lm	135
BCA120	110W	4	72	4.21kg (9.28lb)	4.74kg (10.45lb)	43.9*33.17*33.45*	47.64*33.82*44.1*		13355lm	14650lm	135
BCA150	141W	5	90	4.84kg (10.67lb)	5.46kg (12.04lb)	54.7*33.17*33.45*	58.46*33.82*44.1*		17132lm	19039lm	135
BCA-PI-347-480VAC											
BCA60H	61W	2	36	2.65kg (5.84lb)	2.97kg (6.55lb)	22.28*33.17*33.45*	25.98*33.82*44.1*	74.71mA	7247lm	8052lm	132
BCA90H	87W	3	54	3.58kg (7.89lb)	4.02kg (8.86lb)	33.09*33.17*33.45*	36.81*33.82*44.1*	53.0mA	10571lm	11745lm	135
BCA120H	110W	4	72	4.21kg (9.28lb)	4.74kg (10.45lb)	43.9*33.17*33.45*	47.64*33.82*44.1*		13355lm	14650lm	135