



VAIL™

Canopy Light



SKU	DLC Model #
156792	AST-CP02B-180WSBMA3-WH57

The VAIL LED Canopy Light from Beyond LED Technology is a high-performance lighting solution designed to deliver exceptional efficiency and reliable performance for commercial canopy applications. With a light output of up to 156 lumens per watt, the VAIL sets a new standard for energy savings and even, bright illumination—ideal for gas stations, parking lots, and other commercial areas. The fixture is equipped with a secure locking collar, J-box, and pre-installed fasteners for quick and secure installation. The VAIL supports both surface and pendant mounting, offering flexible installation options. With 0-10V dimming, an IP65 rating, and UL & DLC certifications, this light is built for long-term outdoor use and is eligible for energy rebates.

Product Features

- Up to 156 lm/W
- 180 Watt
- 5700K CCT
- 0-10V Dimmable
- 110° Beam Angle
- Built-in 10KV surge protector
- Includes J-Box
- Matte lens
- White housing
- Input Voltage 120-277VAC
- UL & DLC listed
- 5-year warranty

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SKU	WATT	MAX LUMENS	CCT	INPUT VOLTAGE	CRI	LIGHT SPREAD	CONSTRUCTION	DIMMING	IP RATING	CERTIFICATIONS
156792	180W	28080	5700K	120-277V	>80	110°	Die-cast Aluminum	0-10V	IP65	UL & DLC

Specifications

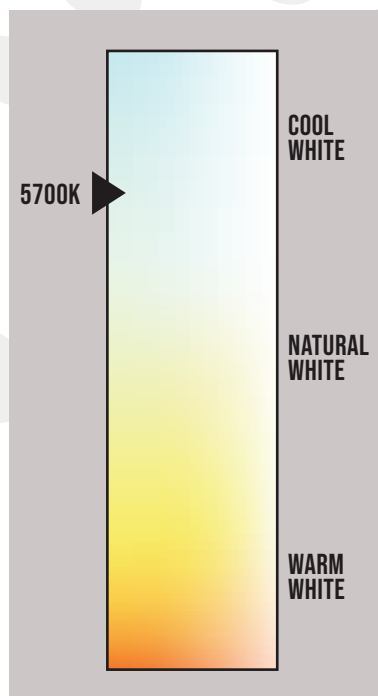
Parameter	Description	Value
General Performance	Model #	AST-CP02B-180WSBMA3-WH57
	Watt	180W
	Max Lumens	28080
	Lumen Efficacy	Up to 156LM/W
	Color Temperature	5700K
	CRI (Ra)	>80
	Light Spread	110°
	Diffuser Type	Matte lens
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	THD (Tolerance: +5%)	≤20%
	Dimming	0-10V
	Power Factor	≥0.9
	Driver Brand	SOSEN
	Driver Model	SS-200NH-E260BH
	Driver Surge Protection	L/N-PE: 6kV, L-N: 6kV
Physical	Flicker Percent	<5%
	Operating Temperature	-40°C To 40°C
	Operating Humidity	20% - 90% RH
	Storage Temperature	-40°C TO 80°C
	Storage Humidity	-10% - 95% RH
	LED Brand	LUMILEDS
	LED Type	SMD2835
	LED QTY	1110 PCS
Qualification	Construction	Die-cast Aluminum
	Housing Color	White
	IP Rating	IP65
	Warranty	5 Year



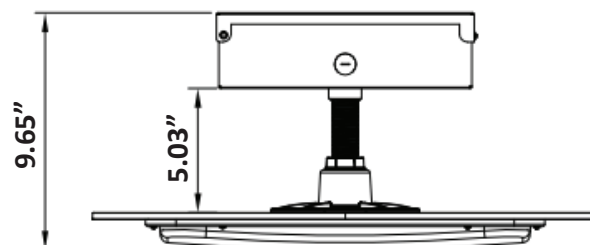
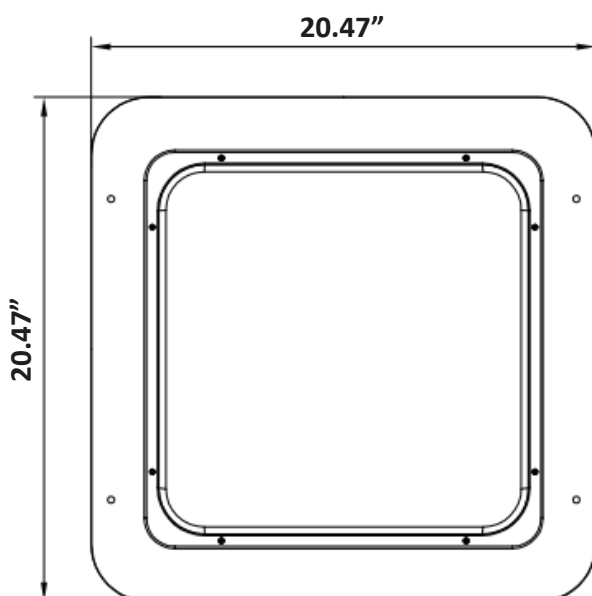
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Correlated Color Temperature (CCT)



Dimensions



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Photometric Data

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 1.444 A
Power Factor: 0.999

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0V
Power: 173.07W

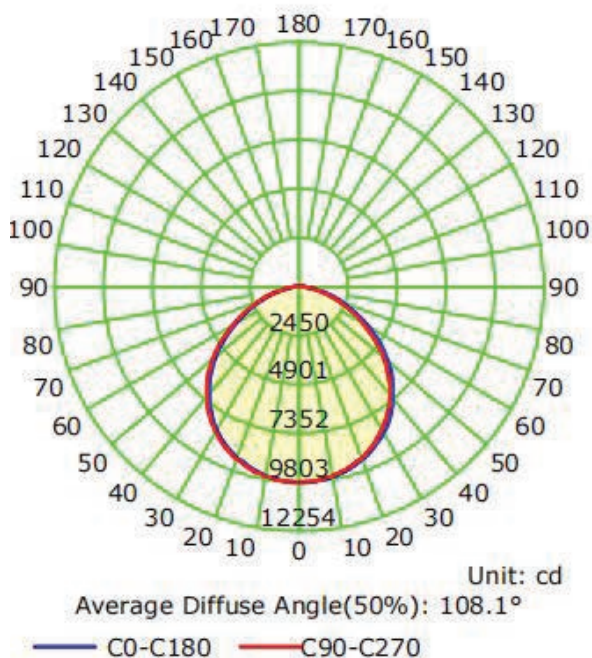
Photometric Results

IES Classification: Type II
Total Rated Lamp Lumens: 26884.7 lm
Efficiency: 100%
Upward Ratio: 1%
C0r0 Intensity: 9801.02 cd
Pos of Max. Intensity: H315 V1
Max. Intensity: H315 V1
Beam Angle(C0/C180,C90/C270,C45/C225,C135/135: 108.5, 107.6, 108.1, 108.1

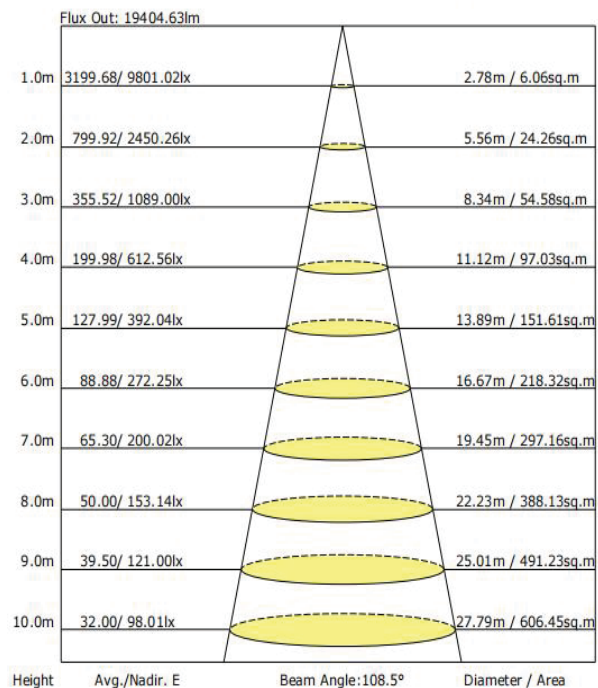
Longitudinal Classification: Very Short
Measurement Flux: 26884.7 lm
Downward Ratio: 99%
Luminaire Efficacy Rating (LER): 155.39
Max. Intensity: 9803.24 cd

CANOPY LIGHT

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure





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Installation Instruction

LED Canopy Light

Cautions:

1. Can not use the electric generator to test the LED lamp.
2. Please abide by related country, regional and local law and regulations when install this fixture.
3. Please turn off the power before installation or maintenance.
4. Proper earth grounding is required to ensure safety.

Notice.

1. To avoid possibility of electrical shock or fire, the installation personnel must have professional electric knowledge.
2. Please wear gloves to avoid injury before installation.
3. If any smoke or spark of the wire happened, please turn off the power immediately and notify relevant personnel.

Attention:

1. Please check if there is any damage during shipping. If so, please contact manufacturer timely.
2. Please read the installation instruction carefully to check whether all the accessories are complete. After confirmation, then install the fixture according to installation steps.

Installation Steps

1. Screw the aluminum pipe into the heatsink. (Figure 1)

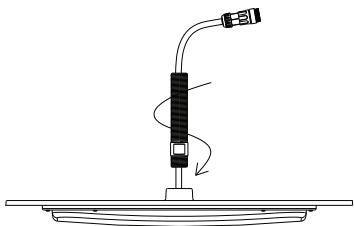


Figure 1

2. Screw the safety rope to heatsink by screwdriver. (Figure 2)

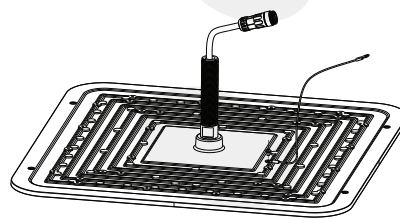


Figure 2

3. Drill the installation hole accordingly on the ceiling. (Figure 3)

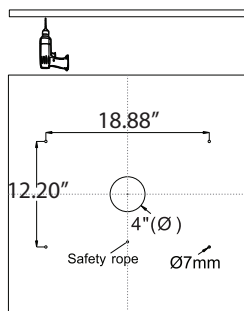


Figure 3

4. Lock the safety rope to the ceiling, assemble the installation plate to the aluminum pipe, then install led fixture. (Figure 4)

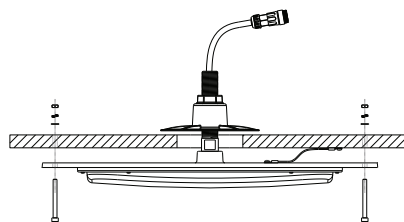


Figure 4

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Installation Instruction

5. Take the driver box apart by screwdriver. (Figure 5)

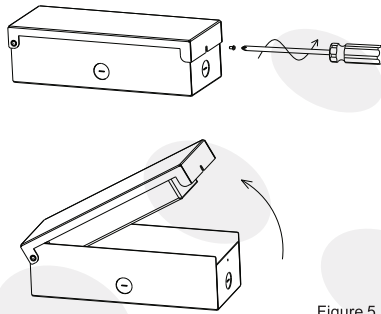


Figure 5

7. Connect the DC connector of led fixture with driver's DC connector. Remove the holes of the driver box if necessary. (Figure 7)

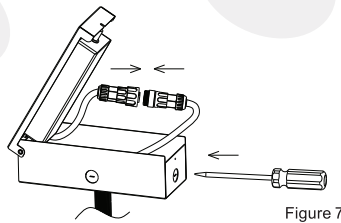


Figure 7

6. Assemble the 3/4 pipe nut to the aluminum pipe (fix the height and direction of driver box), across the DC connector through driver box, then screw the driver box onto the aluminum pipe. (Figure 6)

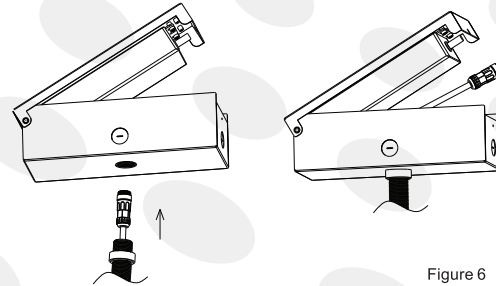


Figure 6

8. Connect the LED fixture to local power with necessary connector protection measures. (Figure 8)

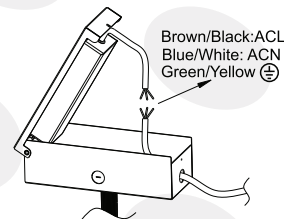


Figure 8

9. Finally, assemble the driver box. (Figure 9)(Figure 10)

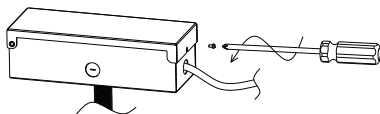


Figure 9

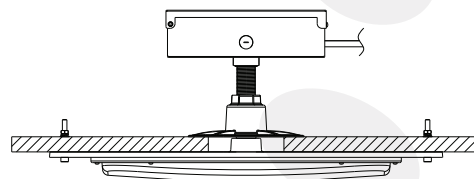


Figure 10

Warning /Avertissement

MIN 75°C SUPPLY CONDUCTOR

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

LES FILS D'ALIMENTATION 75°C MIN

CE PRODUIT DOIT ETRE INSTALLE SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE QUI CONNAIT BIEN LE PRODUIT ET SON FONCTIONNEMENT AINSI QUE LES RISQUES INHERENTS.



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Notice For User

- Please turn off power before install or change assembly parts.
- The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- No-professionals, must not install and disassemble the lamp

Trouble Shootings

Troubles	Check Points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of Working	Please check the connection

Packaging

SKU	Box Dimension	Qty	Net Weight	Gross Weight
156792	22.04" x 22.04" x 6.30"	1 Pc/Box	17.32LBS	20.28LBS

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Application Images



CANOPY LIGHT

Warranty

This product is covered under a 5-year warranty. For complete warranty details,
[Click Here.](#)