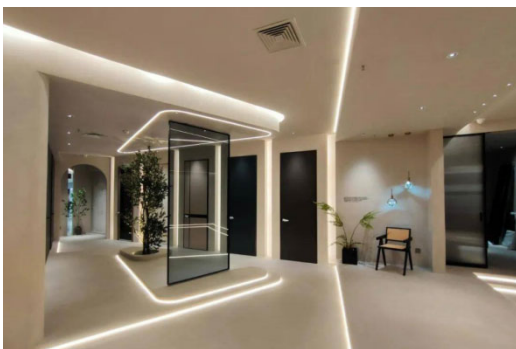


# LED Neon Lightbar

## 1220 8W IP67 Series S1

### DATASHEET

**EDISON OPTO** adopts advanced LED technology development and develops DC24V constant voltage neon light bar with integrated extrusion process, the product is beautiful and simple fashion. The light bar is made of environmentally friendly grade silicone, which is resistant to salt solution, corrosion, flame retardant and UV.



### Feature

- uniform lighting surface and no shadow
- Available for aluminum profile mounting
- 3-year warranty



## Table of Contents

<b>Neon Lightbar DATASHEET .....</b>	<b>1</b>
<b>Lightbar Photometrics .....</b>	<b>3</b>
<b>Dimensions.....</b>	<b>4</b>
<b>Product Packaging Information.....</b>	<b>4</b>
<b>Precaution for Use&amp; Environmental Compliance .....</b>	<b>12</b>
<b>Revision History .....</b>	<b>12</b>
<b>About EDISON OPTO.....</b>	<b>12</b>

## Lightbar Photometrics

- Efficacy Version**

Model No.	CCT/ (K)	Voltage (CV)	Luminous flux(lm/M)	Efficacy (lm/W)	Power (W/M)	Unit Cut (mm)	CRI(Ra)
TBC	2400	24	256	32	8	50	≥90
TBC	2700	24	264	33	8	50	≥90
TBC	3000	24	280	35	8	50	≥90
TBC	4000	24	288	36	8	50	≥90
TBC	6000	24	288	36	8	50	≥90
TBC	Red(620-630)	24	104	13	8	50	/
TBC	Green(515-525)	24	248	31	8	50	/
TBC	Blue(460-470)	24	48	6	8	50	/
TBC	2700	24	116	29	4	50	≥90
	6000	24	124	31	4	50	≥90
TBC	Red(620-630)	24	27	10	2.7	62.5	/
	Green(515-525)	24	51	19	2.7	62.5	/
	Blue(460-470)	24	11	4	2.7	62.5	/
TBC	3000	24	60	30	2	62.5	≥80
	Red(620-630)	24	16	8	2	62.5	/
	Green(515-525)	24	54	27	2	62.5	/
	Blue(460-470)	24	12	6	2	62.5	/

Note:

1. The maximum and minimum lumen flux are based on  $\pm 15\%$  of the typical rating.
2. The maximum and minimum input power are based on  $\pm 10\%$  of the typical rating.

- Technical data**

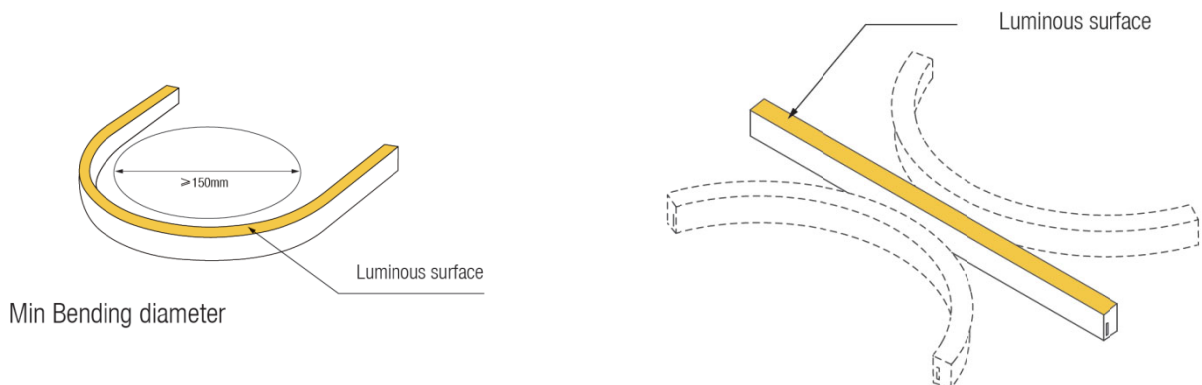
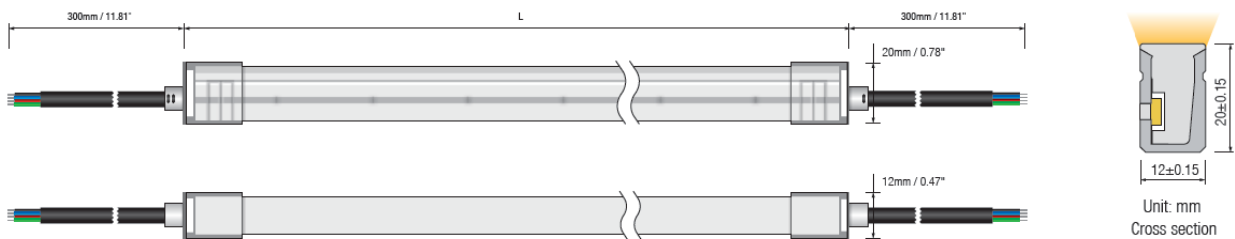
Parameter	Value	Unit
Beam characteristic	120	°
Ambient temperature range	-25~ +45	°C
Tc temperature (Max)	70	°C
Storage temperature range	-35~ +70	°C
Type of protection	IP67	
Color Temperature	2400K/2700K/3000K/4000K/6000K 2700+6000K/RGB/RGB+3000K	
Risk group(EN62778)	1	

- Energy Efficiency Index(EU2019/2015)

Type.	CCT(K)	Level*
TBC	2400	G
TBC	2700	G
TBC	3000	G
TBC	4000	G
TBC	6000	G








Note:\*level is energy efficiency level based on the newest ERP.




## Dimensions










## Connector Series




### Snap connector

Part No	Picture	Describe
TBC		Front Cable Entry (Single color) 300mm UL2464 2P 20AWG
TBC		Side Cable Entry (Single color) 300mm UL2464 2P 20AWG
TBC		Bottom Cable Entry (Single color) 300mm UL2464 2P 20AWG
TBC		Front Cable Entry (Dual color) 300mm UL2464 3P 20AWG
TBC		Side Cable Entry (Dual color) 300mm UL2464 2P 20AWG
TBC		Bottom Cable Entry (Dual color) 300mm UL2464 2P 20AWG
TBC		Front Cable Entry (RGB) 300mm UL2464 4P 20AWG

TBC		<p>Side Cable Entry (RGB) 300mm UL2464 4P 20AWG</p>
TBC		<p>Bottom Cable Entry (RGB) 300mm UL2464 4P 20AWG</p>
TBC		<p>Front Cable Entry (RGBW) 300mm UL2464 5P 22AWG</p>
TBC		<p>Side Cable Entry (RGBW) 300mm UL2464 5P 22AWG</p>
TBC		<p>Bottom Cable Entry (RGBW) 300mm UL2464 5P 22AWG</p>
TBC		<p>Snap End Cap</p>








### Silicone connector







Part No	Picture	Describe
TBC		Front Cable Entry (Single color) 300mm UL2464 2P 20AWG
TBC		Side Cable Entry (Single color) 300mm UL2464 2P 20AWG
TBC		Bottom Cable Entry (Single color) 300mm UL2464 2P 20AWG
TBC		Front Cable Entry (Dual color) 300mm UL2464 3P 20AWG
TBC		Side Cable Entry (Dual color) 300mm UL2464 2P 20AWG
TBC		Bottom Cable Entry (Dual color) 300mm UL2464 2P 20AWG
TBC		Front Cable Entry (RGB) 300mm UL2464 4P 20AWG

TBC		<p>Side Cable Entry (RGB) 300mm UL2464 4P 20AWG</p>
TBC		<p>Bottom Cable Entry (RGB) 300mm UL2464 4P 20AWG</p>
TBC		<p>Front Cable Entry (RGBW) 300mm UL2464 5P 22AWG</p>
TBC		<p>Side Cable Entry (RGBW) 300mm UL2464 5P 22AWG</p>
TBC		<p>Bottom Cable Entry (RGBW) 300mm UL2464 5P 22AWG</p>
TBC		<p>Snap End Cap</p>



## Injection connector

Part No	Picture	Describe
TBC		Front Cable Entry (Single color) 300mm UL2464 2P 20AWG
TBC		Side Cable Entry (Single color) 300mm UL2464 2P 20AWG
TBC		Bottom Cable Entry (Single color) 300mm UL2464 2P 20AWG
TBC		Front Cable Entry (Dual color) 300mm UL2464 3P 20AWG
TBC		Side Cable Entry (Dual color) 300mm UL2464 2P 20AWG
TBC		Bottom Cable Entry (Dual color) 300mm UL2464 2P 20AWG
TBC		Front Cable Entry (RGB) 300mm UL2464 4P 20AWG




TBC		<p>Side Cable Entry (RGB) 300mm UL2464 4P 20AWG</p>
TBC		<p>Bottom Cable Entry (RGB) 300mm UL2464 4P 20AWG</p>
TBC		<p>Front Cable Entry (RGBW) 300mm UL2464 5P 22AWG</p>
TBC		<p>Side Cable Entry (RGBW) 300mm UL2464 5P 22AWG</p>
TBC		<p>Bottom Cable Entry (RGBW) 300mm UL2464 5P 22AWG</p>
TBC		<p>Snap End Cap</p>

## Mounting Buckle

TBC		<p>Aluminium Mounting Clips L20×W14.1×H23.9mm+ 2 Pcs 3×15 Self-tapping screws</p>
TBC		<p>Aluminium Profile L1000×W17.5×H22.9mm</p>
TBC		<p>Stainless Steel Mounting clips L20×W12.8×H18.9mm+ 2 Pcs 3×15 Self-tapping screws</p>

## Product Packaging Information

EX:

 艾笛森光電股份有限公司 EDISON OPTO CORPORATION	
Part No: <u>6LBR140JK0S16001</u>	Inspected By: <input type="text"/>
Color: <u>Neutral White(4000k)</u>	
Quantity: <u>1 Reel (20M)</u>	
Lot No: <u>XXXXXXXX</u>	 

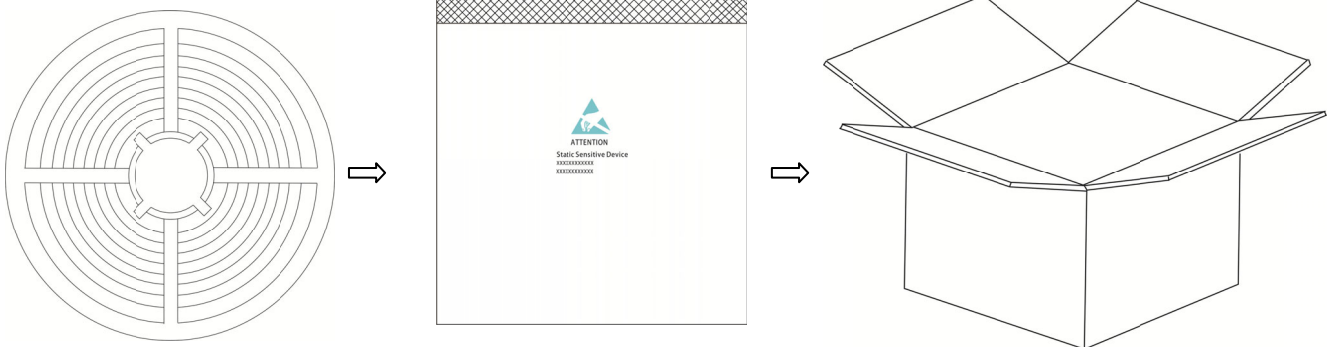
### Label information

Part NO. : Order code

Color : Color

Quantity : The number of packing

Lot NO. : Date code





## Precaution for Use& Environmental Compliance

1. DO NOT use the products with materials containing Sulfur.
2. DO NOT assemble in humid environment or the conditions of containing oxidizing gas such as C1, H2S, NH3, SO2, NOX, etc.
3. DO NOT add or change wires while the circuit of Module is active. Long time exposure to sunlight or UV should be avoided.
4. DO NOT press the product; even a slight pressure may damage the product. The environments such as high temperatures, high humidity or direct expose to sunlight should be avoided since the product is sensitive to these conditions.
5. Assembly must not damage or destroy conducting paths on the circuit board.
6. Please ensure that the power supply is of adequate power to operate the total load.

Lightbar series are compliant to the Restriction of Hazardous Substances Directive or RoHS. The restricted materials including lead, mercury cadmium hexavalentchromium, polybrominated biphenyls (PBB) , polybrominated diphenyl ether (PBDE) ,Diisobutyl phthalate(DIBP),Phthalic acid(DEHP),Butyl benzyl phthalate (BBP)and Dibutyl phthalate (DBP) are not used in Llightbar series to provide an environmentally friendly product to the customers.

## Revision History

Versions	Description	Release Date
1.0	Preliminary	2023/11/17

## About EDISON OPTO

Edison Opto provides comprehensive LED and solid-state lighting products from LED Component, Light Module, UV / IR LED, LED sensing, Horticulture and Automotive Lighting. With a view to improve R&D process, Edison Opto develops the vertical platform on **TEMOTM** (Thermal . Electrical . Mechanical . Optical) to ensure the quality of products and services; Furthermore, Edison Opto creates**LDMS<sup>TM</sup>** (Lighting Design Manufacturing Service) from light source to luminaire manufacturing, to serve our customers a quality experience of customized solutions.



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