THE SMART
LIGHTING COMPANY

Date:
Type:
Project:
Firm:

SB8

POWERFUL | LOW PROFILE
4.35w/ft – 380lm/ft

LINEAR LED LIGHTBAR

Interior:
Under Cabinet | Valances | Cove | Grazing | Wall Lighting

Elevate interior spaces with The Smart Lighting Company SB8 Series luminaire, designed to seamlessly integrate into a variety of indoor applications including under cabinet lighting, valances, cove accents, and wall illumination. This spec-grade fixture illuminates with precision, casting 380 lumens per foot, controlled by a 24v remote driver featuring smooth 0-10v and ELV dimming capabilities. Engineered for connectivity, fixtures can be effortlessly linked with a seamless connector, ensuring an elegant and continuous lighting experience. With energy-efficient Nichia bin-sorted LEDs, plus multiple options for fixture length, beam angle, CCT, mounting, and housing, the SB8 not only delivers high-quality light favored by professionals but also optimizes power usage to fulfill our commitment to cost-effective, yet superior lighting solutions.

DIMMABLE | LM 80 LEDS | CSA | c UL us LISTED | NICHIA

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SB8
INTERIOR LINEAR LED LIGHTBAR

SPECIFICATIONS

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PERFORMANCE

Output
4.35w/ft - 380lm/ft

Color Temperatures
22k, 27k, 30k, 35k, 41k, 50k, 65k, R, G, B, A

Beam Angles
15°, 20°, 30°, 45°, 120°, 30°x60°

LEDs per Foot
12

LED's
Nichia bin-sorted

Color Consistency
2 SCDM

CRI
84 std, 90+ optional

ELECTRICAL

Input Voltage
24vDc

Power Supply
External

Control
0-10v dimming / ELV

Heat dissipation
Full thermal management system

Connection
Quick connect plug and play system
(power and signal in one cable)

Projected Lumen Maintenance
>90,000 hours

PHYSICAL

Fixture Length Options
12", 24", 36", 48", 60", 66"

Max Run Length
96w, 22ft

Housing
Extruded aluminum, tooled end caps

Lens
Polycarbonate

Fixture Finish (Standard)
Anodized aluminum

Powder Coated Finish (Optional)
Black, Bronze, White, CU

Standard Mounting
Adjustable or flat brackets

Operating Temperature
-40°F to 122°F, (-40°C to 50°C)

ENVIRONMENT AND WARRANTY

IP Rating
IP44

Environment
Dry or Damp locations
0-100% non-condensing humidity

Certifications
UL, cUL

Warranty
5 year limited warranty

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SB8 INTERIOR LINEAR LED LIGHTBAR

THE SMART LIGHTING COMPANY

OPTICS

15°x 15°   20°x 20°   30°x 30°

45°x 45°   30°x 60°   120°x 120°

COLOR TEMPERATURES

2200k   2700k   3000k

3500k   4100k   5000k   6500k

Red   Green   Blue   Amber

DIMENSIONS AND DATA

4.35w/ft	Voltage	View Angle	Watts/Fixture	Lumens/Fixture	LEDs/Fixture	Extrusion Length	Total Length
SB8-12-XXK-XXD-24V	24VDC	15°, 30° 45°,120° 30°x60°	4.35w	380	8	L=299.7mm	L=299.7mm (11.8")
SB8-24-XXK-XXD-24V			8.70w	760	16	L=604.4mm	L=604.4mm (23.8")
SB8-36-XXK-XXD-24V			13.0w	1140	24	L=909.2mm	L=902.2mm (35.8")
SB8-48-XXK-XXD-24V			16.7w	1520	32	L=1214.0mm	L=1214.0mm (47.8")
SB8-60-XXK-XXD-24V			21.8w	1900	40	L=1518.8mm	L=1518.8mm (59.8")
SB8-66-XXK-XXD-24V			23.9w	2090	48	L=1671.2mm	L=1671.2mm (65.8")

PROFILE

(1.02") 26

lens

(0.97") 24.6

26 (1.02")

9.3   Angle

23.3

13.3   3

31/32" (24.6 mm)   Sealed End for Damp Location

1 1/32" (26 mm)

23/64" (9.3 mm)   angle

59/64" (23.3 mm)

17/32" (13.3 mm)

1/8" (3 mm)

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SB8
INTERIOR LINEAR LED LIGHTBAR

ORDER FORM

Date: ....
Type: ....
Project: ....
Firm: ....

CREATE YOUR FIXTURE

Ex. SB8–36–27K–30D–24V

MODEL

SB8

LENGTH

12"	12 inches
24"	24 inches
36"	36 inches
48"	48 inches
60"	60 inches
66"	66 inches

COLOR

22k	2200k	R	Red
27k	2700k	G	Green
30k	3000k	B	Blue
35k	3500k	A	Amber
41k	4100k		
50k	5000k		
65k	6500k		

OPTICS

15	15°x15°
30	30°x30°
45	45°x45°
3060	30°x60°
120	120°x120°

VOLTAGE

24	24vdc

SELECT CONNECTION

Wire Lead

QTY   **STRAIGHT**

QTY		
	AL-SB-EXT-ST-12"-W/L	12" (1ft) Straight wire lead
	AL-SB-EXT-ST-72"-W/L	72" (6ft) Straight wire lead

QTY   **90 DEGREE**

QTY		
	AL-SB-EXT-90D-12"-W/L	12" (1ft) 90° wire lead
	AL-SB-EXT-90D-72"-W/L	72" (6ft) 90° wire lead

* 1 wire lead required for each run.

End Cap

QTY		
	AL-SB-ENDCAP	End cap for fixture output at end of run

* 1 End cap required at the end of each

Jumper Cable

QTY   **STRAIGHT**

QTY		
	AL-SB-EXT-ST-6"-J	6" Straight jumper
	AL-SB-EXT-ST-12"-J	12" Straight jumper

QTY   **90 DEGREE**

QTY		
	AL-SB-EXT-90D-12"-J	6" 90° jumper
	AL-SB-EXT-90D-72"-J	12" 90° jumper

* Fixtures are end to end connected with butt connectors.
Use jumpers if space is needed between fixtures.

Seamless Connectors

QTY		
	AL-SB-BUTT CONNECTOR	Seamless connector

SELECT MOUNTING

QTY	MOUNTING BRACKETS - 2 REQUIRED PER FIXTURE	
	AL-SB-FLAT CLIP	Flat mounting clip
	AL-SB-ROTO CLIP	Adjustable mounting clip

ADDITIONAL OPTIONS

Optional Powder Coated Finish

QTY	Powder coated finishes available for additional cost	
	BK	Black
	BZ	Bronze
	WH	White
	CU	Custom

* Fixture housing is anodized aluminum standard

0-10V Dimmer

QTY		
	LUT-DVSTV-WH	0-10V dimmer switch

Surge Protection

QTY		
	LSP4-UNV	120/277v surge protector

SELECT POWER SUPPLIES

QTY	CONSTANT VOLTAGE - BASED ON RUN LENGTHS	
	PS-TSLC-UNV-24V-96WDHV2	24v 96w power supply, 0-10v, ELV, TRIAC dimming, wet location
	PS-TSLC-UNV-24V-60WDHV2	24v 60w power supply, 0-10v, ELV, TRIAC dimming, wet location
	PS-TSLC-UNV-24V-30WDHV2	24v 30w power supply, 0-10v, ELV, TRIAC dimming, wet location
	PS-TSLC-UNV-24V-288WDHV2	24v 288w (96wx3)power supply, 0-10v, ELV, TRIAC dimming, wet location

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WIRING OPTIONS

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WIRE LEAD

DESCRIPTION	**PART NUMBER**
Straight wire lead	AL-SB-EXT-ST-xx-W/L

Straight Wire Lead

DESCRIPTION	**PART NUMBER**
90 degree wire lead	AL-SB-EXT-90d-xx-W/L

90° Wire Lead

JUMPER CABLE

DESCRIPTION	**PART NUMBER**
Straight jumper	AL-SB-EXT-ST-xx-J

Straight Jumper Cable

DESCRIPTION	**PART NUMBER**
90 degree jumper	AL-SB-EXT-90d-xx-J

90° Jumper Cable

SEAMLESS CONNECTOR

Easy seamless Installation to form a brilliant continuous light strip.

DESCRIPTION	**PART NUMBER**
Fixture connector	AL-SB-BUTT CONNECTOR

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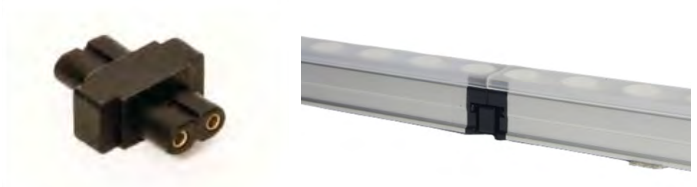
ADJUSTABLE BRACKETS

DESCRIPTION
SB12 Adjustable Bracket

PART NUMBER
AL-SB-ROTO CLIP
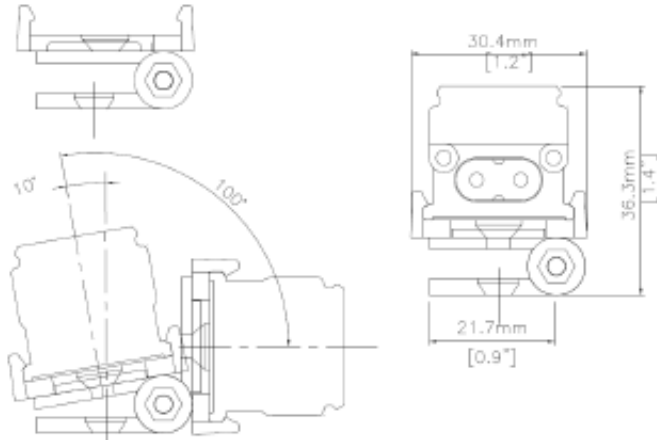
Adjustable Mounting Clip

FLAT BRACKETS

DESCRIPTION
SB12 Flat Bracket

PART NUMBER
AL-SB-FLAT CLIP
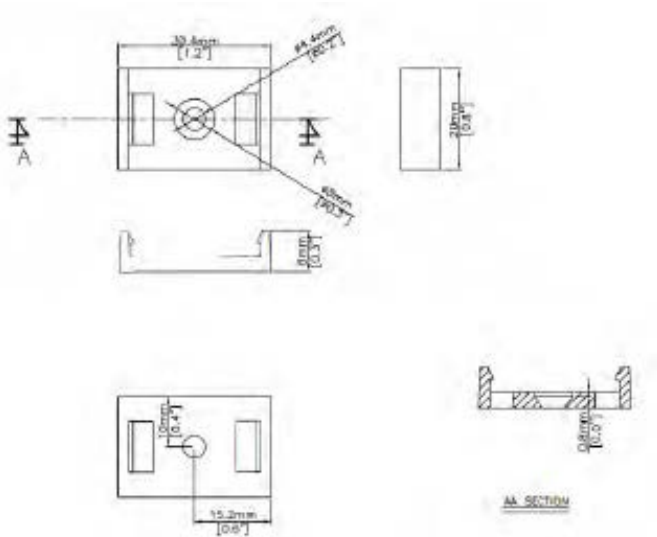
Flat Mounting Clip

SURGE PROTECTION DEVICE

SURGE PROTECTION

DESCRIPTION
Surge Protection Device

PART NUMBER
AL-LSP-UNV

The use of a surge protection device is necessary to maintain your warranty. Specifications are subject to change without notice.
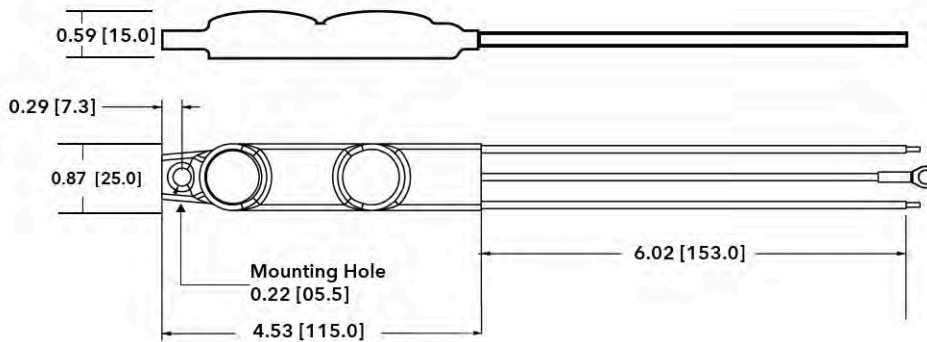
SPECIFICATIONS

Input Voltage	120-277V (+/- 5%)		
Frequency	50Hz-60Hz		
Maximum Continuous Voltage	320V		
Maximum Discharge Current	L-N 20kA; L-G, N-G 10kA (8/20Qs standard wave)		
Nominal Discharge Current	5kA		
Measured Limiting Voltage (VpK)	L-N	L-G	N-G
	1200	1320	1320
Max Case Temperature	85°C		

PULSE RATING (8 X 20 SEC)

Surge Level	# of Strikes	
	L-N	L-G, N-G
10,000A	*2	1
6,500A	4	2
5,000A	30	15
2,000A	200	100
700A	20000	1000

*1 strike at 20,000A

MECHANICAL DIMENSIONS : IN (MM)

0.59 [15.0]
0.29 [7.3]
0.87 [25.0]
Mounting Hole 0.22 [05.5]
4.53 [115.0]
6.02 [153.0]

WIRING DIAGRAM

SPD
LSP4-UNV

L
N
G

LED DRIVER

LED +
LED -

LED LOAD