TSLC
THE SMART LIGHTING COMPANY

Date: _____
Type: _____
Project: _____
Firm: _____

HB3014

EXTERIOR LINEAR LED LIGHTBAR

POWERFUL | COMPACT | LOW PROFILE
4.5w/ft | 486lm/ft – 7.0w/ft | 700lm/ft

Wall Washing | Grazing | Cove | Signage | General Lighting

Meet The Smart Lighting Company HB3014 Series —economical, high-performance lighting in a compact form able to support run lengths of up to 300 feet and illumination heights over 15 feet. These linear fixtures are ingeniously designed to fit into the tightest of spaces, providing uniform, high-quality light courtesy of Nichia bin-sorted LEDs. The series boasts an extensive range of customizable features, from fixture output and length to color temperature and optical lenses, all available in various mounting options and finishes. An integrated universal power supply, coupled with full thermal management and a plug and play cable system, ensures installation is straightforward and efficient. The HB3014 also offers an assortment of accessories, like powder-coated housings with an integral glare shield, to enhance functionality. Ideal for precise grazing, impactful wall-washing, and vibrant sign lighting, this series adapts to your lighting needs without compromise.

DIMMABLE | IP66 | LM80 LEDS | CSA | c UL us LISTED | NICHIA

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TSLC
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HB3014

EXTERIOR LINEAR LED LIGHTBAR

SPECIFICATIONS

PERFORMANCE

Output
4.5w/ft | 486m/ft, 7.0w/ft | 700lm/ft
(custom lower wattages available)

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

Beam Angles
15°, 30°, 45°, 60°, 75°, 90°, 120°, 30°x60°

LEDs per Foot
14

LED's
Nichia bin-sorted

Color Consistency
2 SCDM

CRI
85 std, 95 optional

ELECTRICAL

Input Voltage
100-277vac

Power Supply
Integral

Control
0-10v dimming

Heat dissipation
Full thermal management system

Connection
Quick connect plug and play system

Projected Lumen Maintenance
>90,000 hours

PHYSICAL

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

Max Run Length
4w - 295ft@277vac, 128ft@120vac
7w - 158ft@277vac, 68ft@120vac

Housing
Anodized extruded aluminum, tooled end caps

Lens
Polycarbonate

Fixture Finish (Standard)
Anodized aluminum

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

Standard Mounting
Stainless adjustable or flat brackets

Optional Mounting
Powder-coated housing|extended arms or
ground post stakes

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

ENVIRONMENT AND WARRANTY

IP Rating
IP66

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

Certifications
UL, cUL

Warranty
5 year limited warranty

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THE SMART LIGHTING COMPANY

120°

HB3014
EXTERIOR LINEAR LED LIGHTBAR

SPECIFICATIONS

Date:
Type:
Project:
Firm:

OPTICS

15°x 15°
30°x 30°
45°x 45°

120°x 120°
30°x 60°

COLOR TEMPERATURES

2200k   2700k   3000k

3500k   4100k   5000k   6500k

Red   Green   Blue   Amber
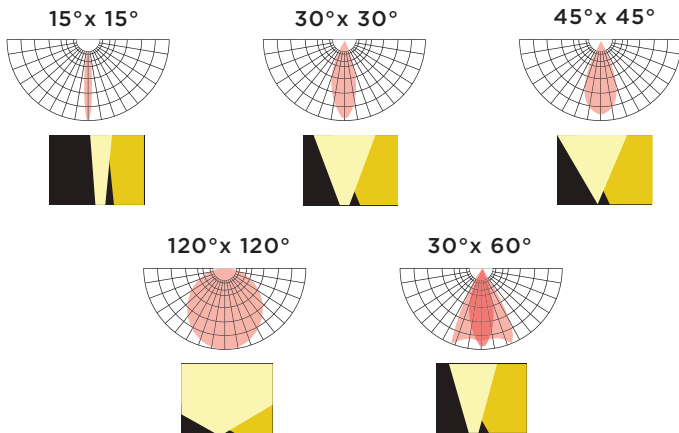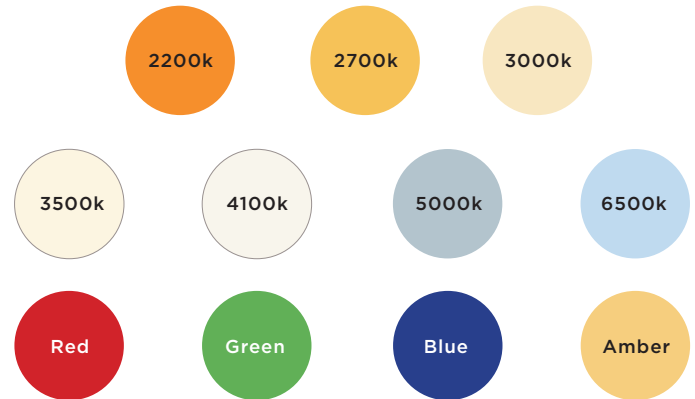
DIMENSIONS AND DATA

4.5w/ft	Voltage	View Angle	Watts/Fixture	Lumens/Fixture	LEDs/Fixture	Extrusion Length	Total Length
HB3014-12-XXK-XXD-ACD-4	100-277VAC	15°, 30° 45°, 60° 75°, 90° 30°x60° 120°	4.5w	486	14	L=305.9mm	L=306.8mm (12.1")
HB3014-24-XXK-XXD-ACD-4			9w	972	28	L=606.8mm	L=611.8mm (24.1")
HB3014-36-XXK-XXD-ACD-4			13.5w	1458	42	L=911.4mm	L=916.4mm (36.1")
HB3014-48-XXK-XXD-ACD-4			18w	1944	56	L=1216.2mm	L=1221.2mm (48.1")

7.0w/ft	Voltage	View Angle	Watts/Fixture	Lumens/Fixture	LEDs/Fixture	Extrusion Length	Total Length
HB3014-12-XXK-XXD-ACD-7	100-277VAC	15°, 30° 45°, 60° 75°, 90° 30°x60° 120°	7w	700	14	L=305.9mm	L=306.8mm (12.1")
HB3014-24-XXK-XXD-ACD-7			14w	1400	28	L=606.8mm	L=611.8mm (24.1")
HB3014-36-XXK-XXD-ACD-7			24w	2100	42	L=911.4mm	L=916.4mm (36.1")
HB3014-48-XXK-XXD-ACD-7			28w	2800	56	L=1216.2mm	L=1221.2mm (48.1")

PROFILE

0.857"

Total Length

0.98"   1.26"   1.02"

LTW 5pin Connector Male

LTW 5pin Connector Female

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HB3014 EXTERIOR LINEAR LED LIGHTBAR
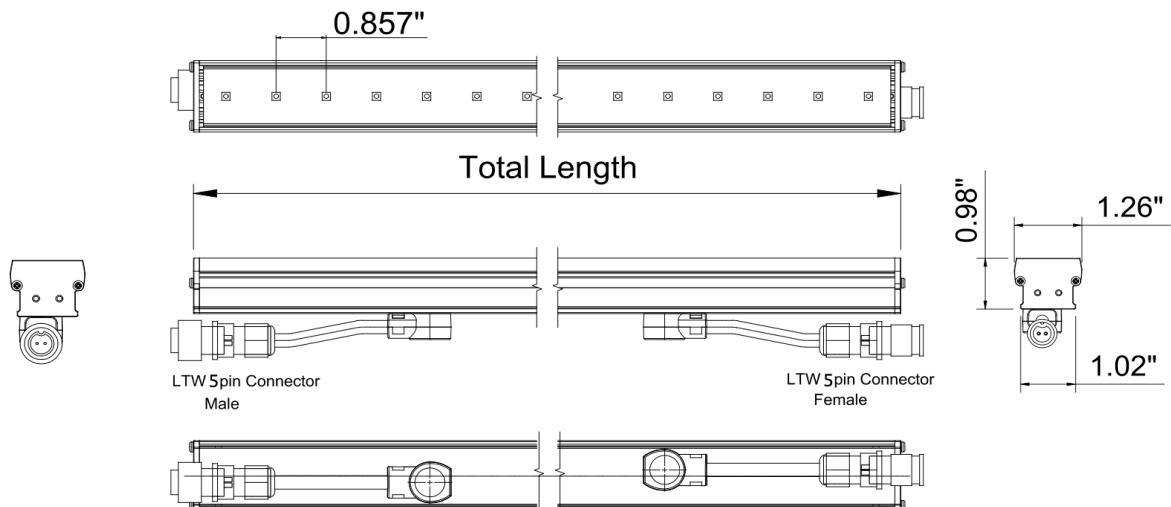
ORDER FORM

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

CREATE YOUR FIXTURE

Ex. HB3014–48–30K–45–ACD–4

MODEL

HB3014

LENGTH

12"	12 inches
24"	24 inches
36"	36 inches
48"	48 inches

COLOR

22k	2200k	R		Red
27k	2700k	G		Green
30k	3000k	B		Blue
35k	3500k	A		Amber
41k	4100k			
50k	5000k			*RGBA not available in 7w/ft
65k	6500k			

OPTICS

15	15°x15°
30	30°x30°
45	45°x45°
60	60°x60°
75	75°x75°
90	90°x90°
120	120°x120°
3060	30°x60°

VOLTAGE

AC	100-277vac

CONTROL

D	0-10v Dimming
ND	Non Dimming

POWER

4	4.5w/ft
7	7.0w/ft

SELECT CONNECTION

Wire Lead

QTY	POWER/SIGNAL	
	AL-HB5P-72"-W/L	72" (6ft) Wire lead 5pin
	AL-HB5P-xx"-W/L	xx" (CU) Wire lead 5pin

QTY	POWER	
	AL-HB3P-72"-W/L	72" (6ft) Wire lead 3pin
	AL-HB3P-xx"-W/L	xx" (CU) Wire lead 3pin

*1 wire lead required for each run.

End Cap

QTY	**Select 5p for dimming or 3p for non-dimming	
	AL-HBxP-ENDCAP	For fixture output at end of run

*1 End cap required at the end of each run

Jumper Cable

QTY	POWER/SIGNAL	
	AL-HB5P-12"-J	12" (1ft) jumper 5pin
	AL-HB5P-72"-J	72" (6ft) jumper 5pin
	AL-HB5P-xx"-J	xx" (CU) jumper 5pin

QTY	POWER	
	AL-HB3P-12"-J	12" (1ft) jumper 3pin
	AL-HB3P-72"-J	72" (6ft) jumper 3pin
	AL-HB3P-xx"-J	xx" (CU) jumper 3pin

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

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 dimming wall switch

Surge Protection

QTY		
	LSP4-UNV	120/277v surge protector

SELECT MOUNTING

QTY	MOUNTING BRACKETS - 2 PER FIXTURE	
	AL-HB30-ADJ BRACKET	HB30 Adjustable bracket
	AL-HB30-FLAT BRACKET	HB30 Flat bracket

*Select flat brackets if fixture is mounted in powder coated housing

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HB30 SERIES

ORDER FORM

ADDITIONAL MOUNTING OPTIONS

Housing and Extended Arms

Fixture can be mounted in a powder coated housing with integral glare shield
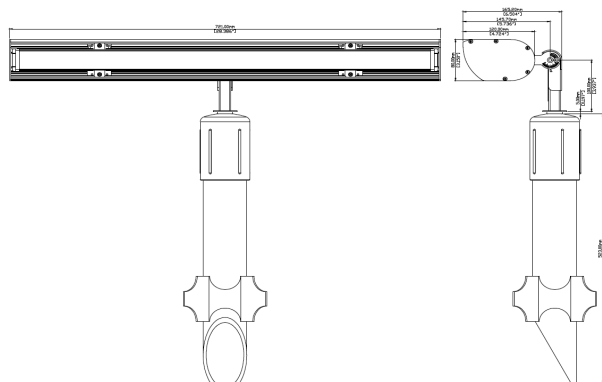
QTY	Housing	(L) Housing Length	(F) Finish	(A) Extended Arm Length
	HB30EXT-	12"	BK - Black	6"
		24"	BZ- Bronze	12"
		36"	WH - White	18"
		48"	SI - Silver	24"
			CU - Custom	36"
				GPA (Ground Post Arm)
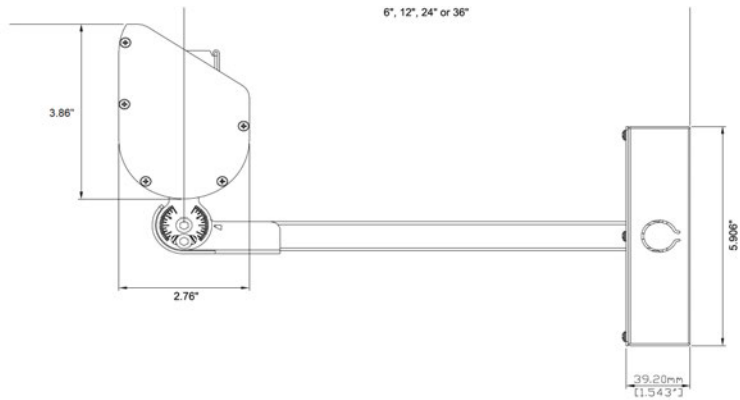
Ground Posts

QTY **Select when using GPA above (1 per fixture for 12" & 24" housing and 2 for 36" & 48" housing)**

HBEXT-GPS   Ground post mount

1ft & 2ft extrusions require one HBEXT-GPS. 3ft & 4ft extrusions require two HBEXT-GPS.

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HB30 SERIES

SERIES

GLARE PROTECTION

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

LOUVERS

Glare Control

Standard black finish powder coated louvers

QTY	Housing	(L) Housing Length	(F) Finish
	HB30-12"LOUVER	12"	BK - Black
	HB30-24"LOUVER	24"	BZ- Bronze
	HB30-36"LOUVER	36"	WH - White
	HB30-48"LOUVER	48"	SI - Silver
			CU - Custom

* Other powder coated finishes available for additional cost

1731 Kaiser Ave. Irvine, CA 92614 | sales@thesmartlightingcompany.com | 949.346.3456 | thesmartlightingcompany.com

HB30 SERIES

WIRING OPTIONS
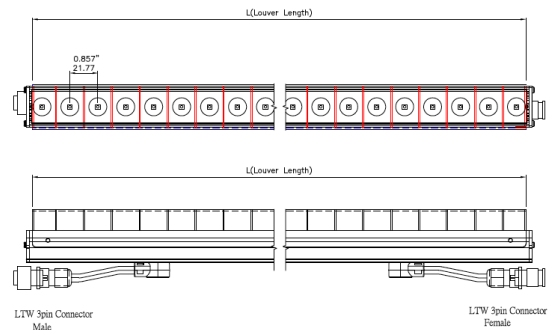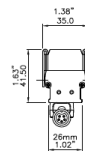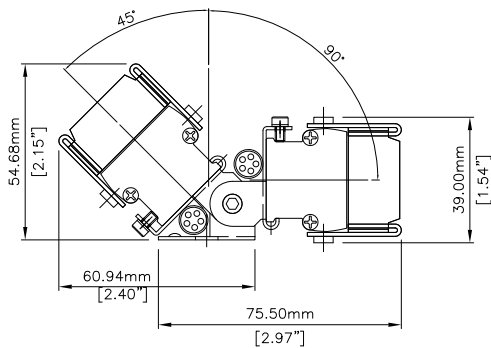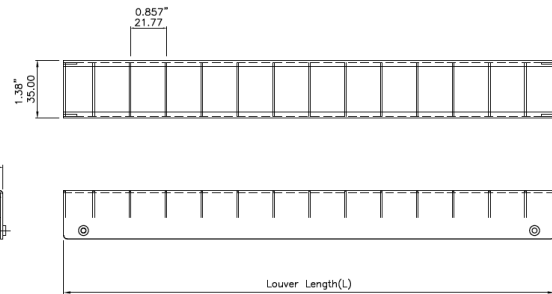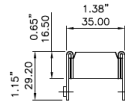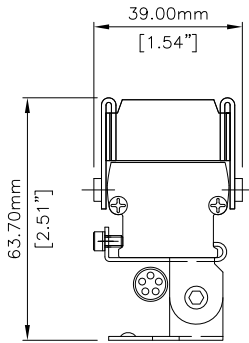
WIRE LEAD

DESCRIPTION
5 pin power / signal wire

PART NUMBER
AL-HB5P-xx"-W/L

Female — PVC Cable 20awg 5 pin

1.77" — L — 0.31" — 8 — 20 — 0.78" — 0.67"

AC-bad BLACK — 0-10v+ BROWN
Neutral WHITE — Ground Green — 0-10v- BLUE
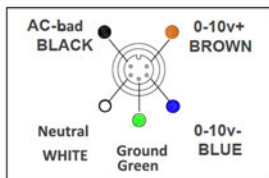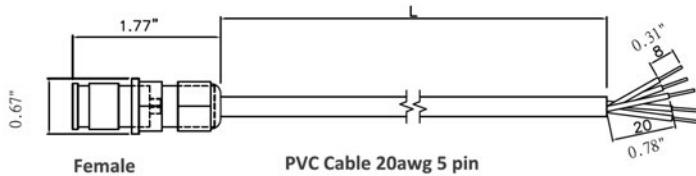
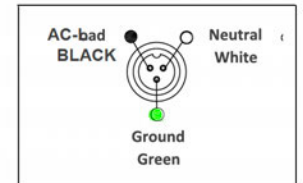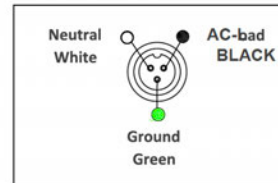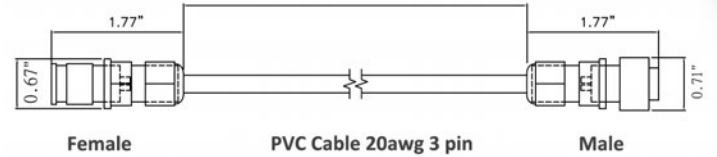#### DESCRIPTION
3 pin power wire

PART NUMBER
AL-HB3P-xx"-W/L

Female — PVC Cable 20awg 3 pin

45mm (1.77") — L — 0.31" — 8 — 20 — 0.78" — 0.71" 18

Neutral White — Line Black — Ground Green
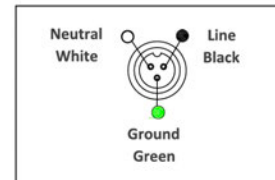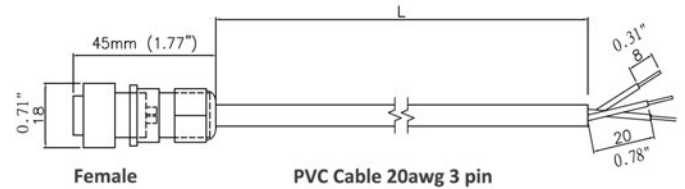
JUMPER CABLE

DESCRIPTION
5 pin power / signal jumper

PART NUMBER
AL-HB5P-xx"-W/L

Female — PVC Cable 20awg 5 pin — Male

1.77" — 1.77" — 0.67" — 0.71"

AC-bad BLACK — 0-10v+ BROWN
Neutral WHITE — Ground GREEN — 0-10v- BLUE

0-10v+ BROWN — AC-LOAD BLACK
0-10v- BLUE — Ground Green — Neutral White
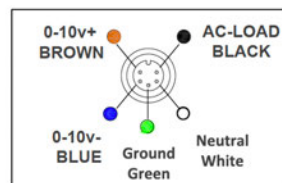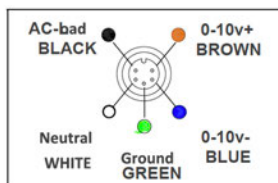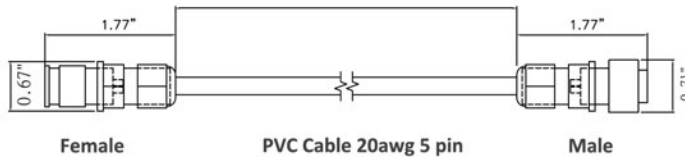
DESCRIPTION
3 pin power jumper

PART NUMBER
AL-HB3P-xx"- J

Female — PVC Cable 20awg 3 pin — Male

1.77" — 1.77" — 0.67" — 0.71"

Neutral White — AC-bad BLACK — Ground Green

AC-bad BLACK — Neutral White — Ground Green

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HB30 SERIES

MOUNTING BRACKETS

ADJUSTABLE BRACKETS

DESCRIPTION | **PART NUMBER**
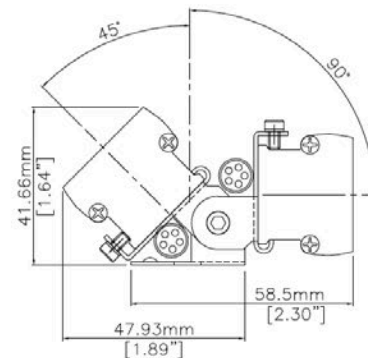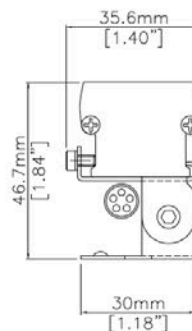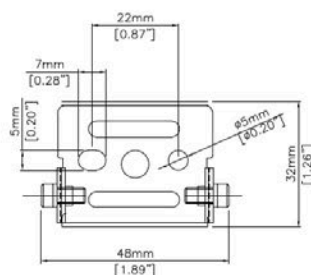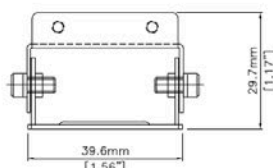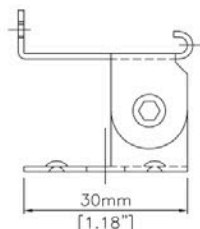
HB30 Adjustable Bracket | AL-HB30 ADJ.Bracket

FLAT BRACKETS

DESCRIPTION | **PART NUMBER**

HB30 Flat Bracket | AL-HB30-Flat Bracket

HB30 SERIES

SURGE PROTECTION DEVICE
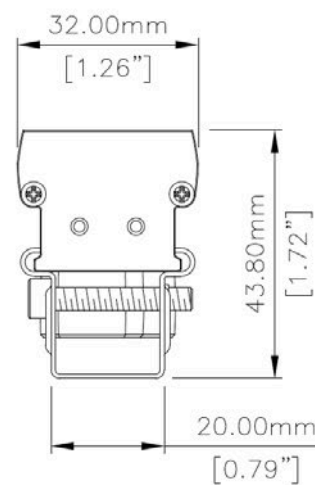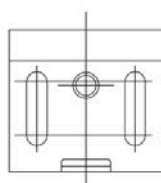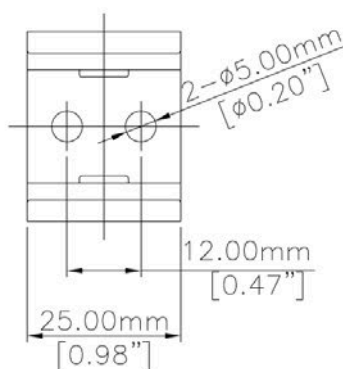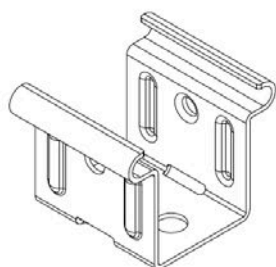
SURGE PROTECTION

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.
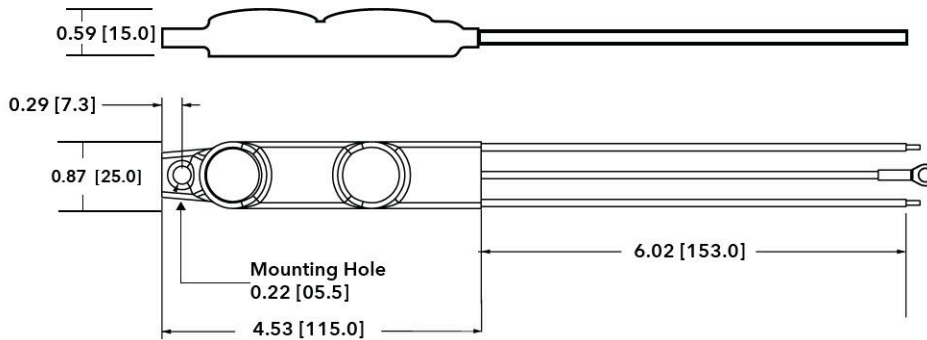
SPECIFICATIONS

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)

WIRING DIAGRAM