TSLC
THE SMART LIGHTING COMPANY

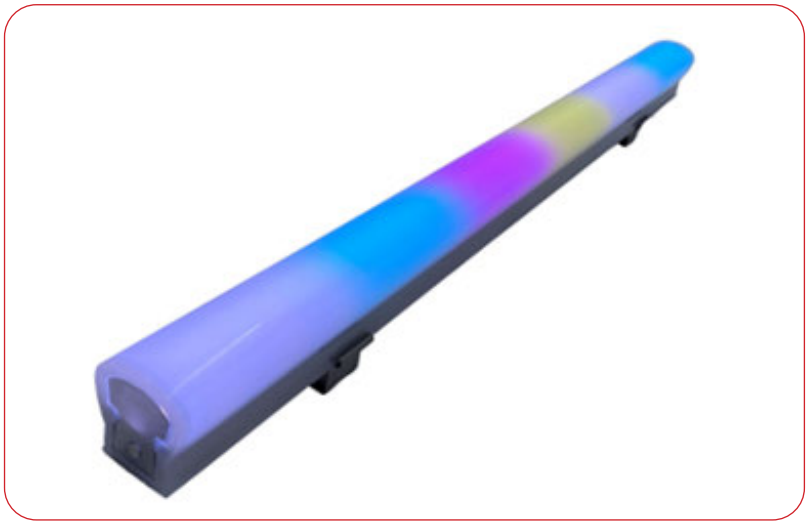
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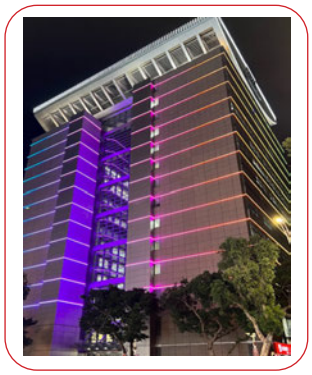
HB3036PD RGBW

Exterior Façade Perimeter Outline System

DIRECT VIEW | LOW PROFILE
6w/ft | RGBW | DMX







Edge | Direct View | Accent Lighting

The Smart Lighting Company HB3036PD RGBW Series fixture is a precision-engineered exterior linear luminaire designed to trace and define architectural edges with seamless, uniform illumination. This fixture is designed with bin-sorted Nichia LEDs encased in a sleek, one-piece domed polycarbonate housing that ensures a smooth, even glow, outshining its more expensive competitors. The integration is effortless, thanks to our user-friendly Plug & Play connectors that combine power and signal for swift setup. Fixtures can be quickly connected to form one long continuous line of light—perfect for emphasizing architectural lines. With self-addressing capabilities for easy sync with control systems and addressability at every 6 inches, the HB3036PD RGBW is engineered to create versatile lighting effects and deliver a continuous line of light when row mounted. Wet-rated to withstand challenging environments and drawing a mere 6W per foot, it promises enduring, energy-efficient performance, all backed by our comprehensive testing and a 5-year warranty for peace of mind.

DIMMABLE IP66 LM80 TESTED LEDS CSA c UL us LISTED NICHIA

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technology by LEDpower

TSLC THE SMART LIGHTING COMPANY

HB3036 EXTERIOR LINEAR LED LIGHTBAR

SPECIFICATIONS

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

PERFORMANCE

Output
6.2w/ft | 239lm/ft

Color Temperatures
RGBW

Beam Angles
120°

LEDs per Foot
18 RGB and 18 W LEDs per foot

LED's
Nichia bin-sorted

Color Consistency
2 SCDM

ELECTRICAL

Input Voltage
100-277vac

Power Supply
Integral

Control
DMX

Resolution
Per 6", 12" or per fixture

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
197ft@277vac, 85ft@120vac

Housing
Polycarbonate extruded housing

Lens
Polycarbonate diffused

Standard Mounting
Stainless adjustable or flat brackets

Optional Mounting
Stainless joint clips for seamless connection

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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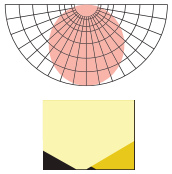
HB3036PD EXTERIOR LINEAR LED LIGHTBAR

SPECIFICATIONS

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

OPTICS

120°x 120°



COLOR TEMPERATURES

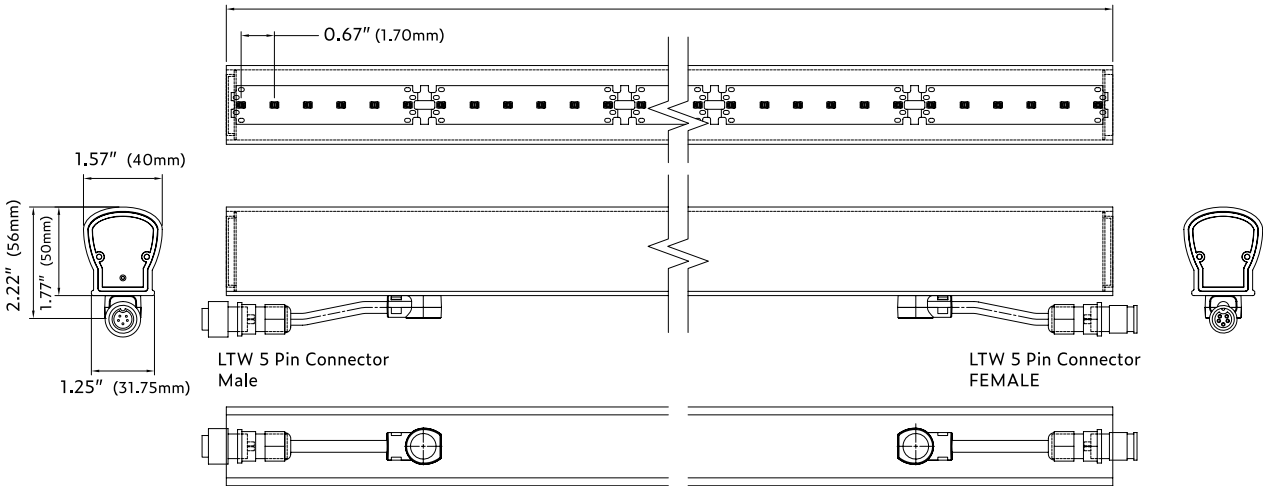


RGBW

DIMENSIONS AND DATA

6w/ft	Voltage	View Angle	Watts/ Fixture	Lumens/ Fixture	LEDs/ fixture	Extrusion Length	Total Length
HB3036PD-12-RGBW-120D-AC-DX	100-277VAC	120°	6w	239	18 RGB +18 W	L=294.8mm	L=304.8mm (12”)
HB3036PD-24-RGBW-120D-AC-DX			13.6w	478	36 RGB + 36 W	L=599.6mm	L=609.6mm (24”)
HB3036PD-36-RGBW-120D-AC-DX			18.7w	717	54 RGB + 54 W	L=904.4mm	L=914.4mm (36”)
HB3036PD-48-RGBW-120D-AC-DX			23.7w	956	72 RGB + 72 W	L=1209.2mm	L=1219.2mm (48”)

PROFILE



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HB3036PD EXTERIOR LINEAR RGBW LED LIGHTBAR

ORDER FORM

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

CREATE YOUR FIXTURE

Ex. HB3036PD-48-RGBW30-120-AC-DM

MODEL

HB3036PD	6w/ft

LENGTH

12”	12 inches
24”	24 inches
36”	36 inches
48”	48 inches

COLOR

RGBW	27k	2700k
Select the W -30k is standard	30k	3000k
	35k	3500k
	41k	4100k
	50k	5000k
	65k	6500k
	A	Amber

OPTICS

120	120°x120°

VOLTAGE

AC	100-277vac

CONTROL

DM	Addressable/12"
DM6	Addressable/6"
DX	Addressable/fixture

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

** 1 wire lead required for each run.*

End Cap

QTY		
	AL-HB5P-ENDCAP	End cap for fixture output at end of run

** 1 End cap required at the end of each*

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

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

SELECT MOUNTING

QTY	MOUNTING BRACKETS - 2 REQUIRED PER FIXTURE	
	AL-ID/PD30-ADJ BRACKET	Adjustable bracket
	AL-ID/PD30-FLAT BRACKET	Flat bracket
	AL-PD-JNT*	Joint connection bracket

** Used to join two fixtures together*

ADDITIONAL OPTIONS

Surge Protection

QTY		
	LSP4-UNV	120/277v surge protector

Junction Boxes

QTY		
	AC4A-3WB1-M	Power and signal splitter
	AC4A-3WB2-M	AC Power amplifier for long run lengths
	AC4A-3WB3-M	Power and Wire lead signal splitter

** Used in place of wire leads to separate power and signal*

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POWER/SIGNAL

DISTRIBUTION BOXES

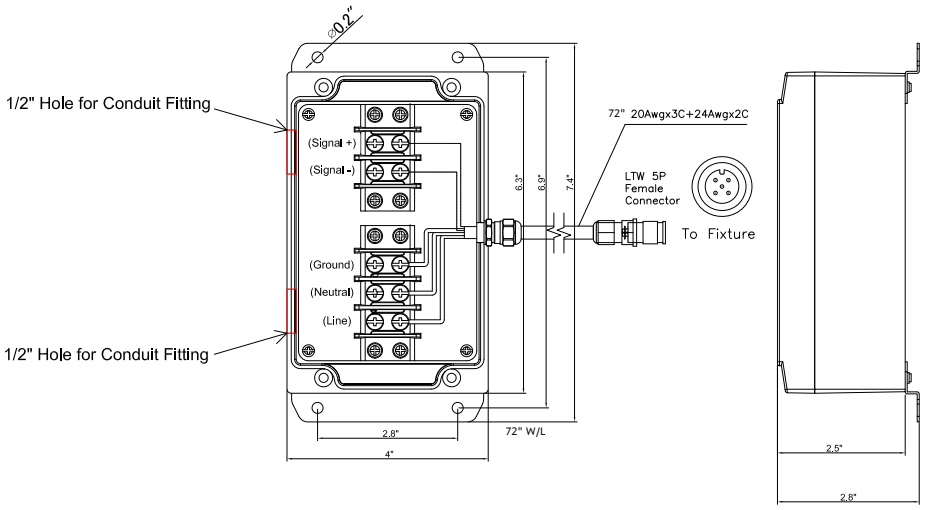
Used at the beginning of the run – All HB30 and HB40 Series

METAL JUNCTION BOX – POWER AND SIGNAL SPLITTER WITHOUT INPUT WIRES

JUNCTION BOX
AC4A-3WB1-M

INPUT
1/2" hole for conduit fitting for AC power
1/2" hole for conduit fitting for Signal

OUTPUT
72" Cable w 5P Female 5A Connector

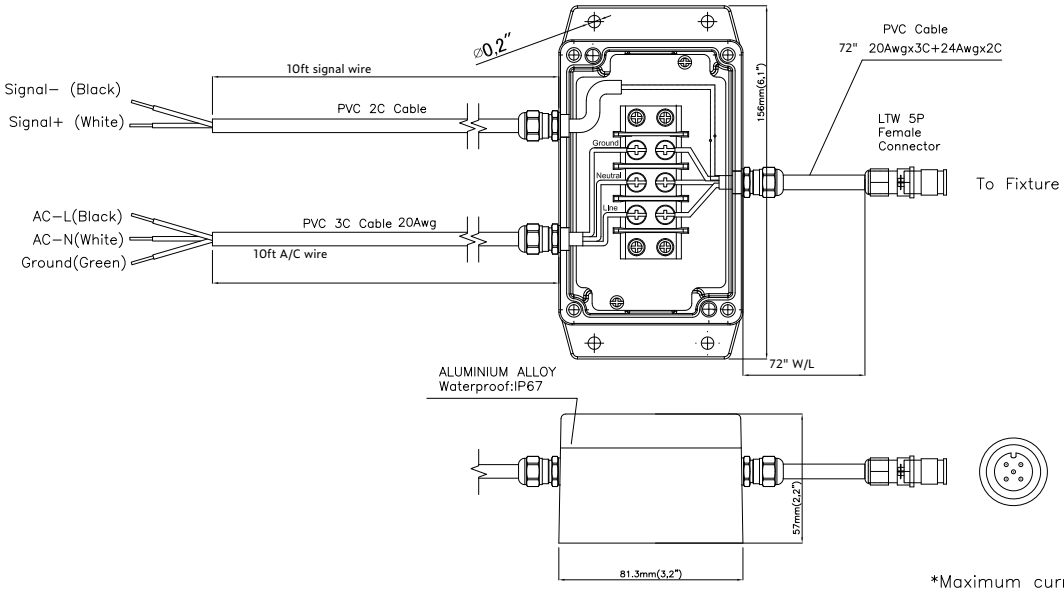


METAL JUNCTION BOX – POWER AND SIGNAL SPLITTER WITH INPUT WIRES

JUNCTION BOX
AC4A-3WB3-M

INPUT
10ft PVC 2C Cable for signal
10ft PVC 3C Cable for AC

OUTPUT
72" Cable w 5P Female 5A Connector



*Maximum current 4Amp

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POWER/SIGNAL

DISTRIBUTION BOXES

Used in the middle of the run – All HB30 and HB40 Series

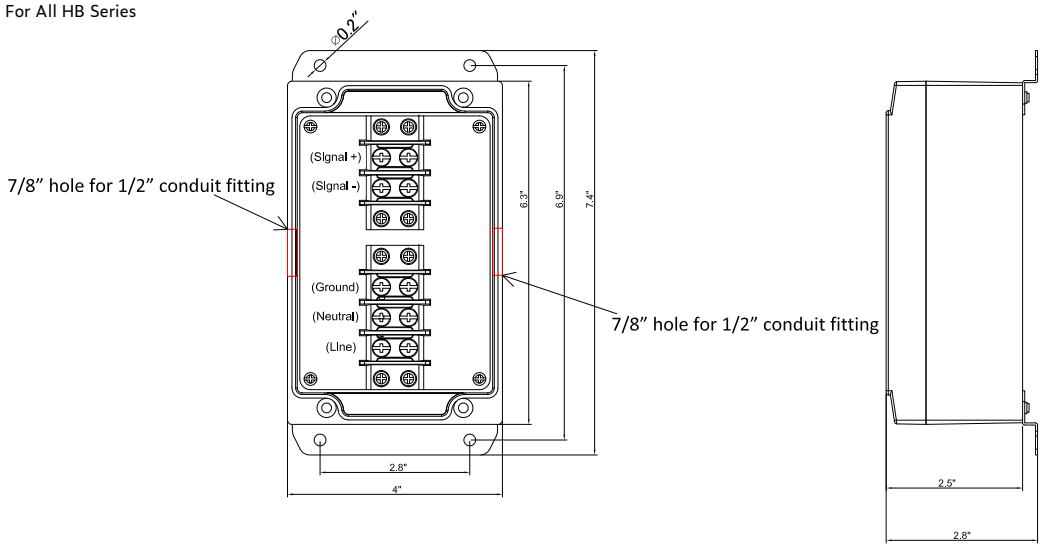
METAL JUNCTION BOX–AC POWER AND SIGNAL FOR LONG RUN LENGTHS FOR AC AND SIGNAL WIRE CONNECTION

JUNCTION BOX
AC-2WB2-M

INPUT
12” PVC Cable w/ 5P Male 5A Connector

OUTPUT
12” PVC Cable w/ 5P Female 5A Connector

For All HB Series

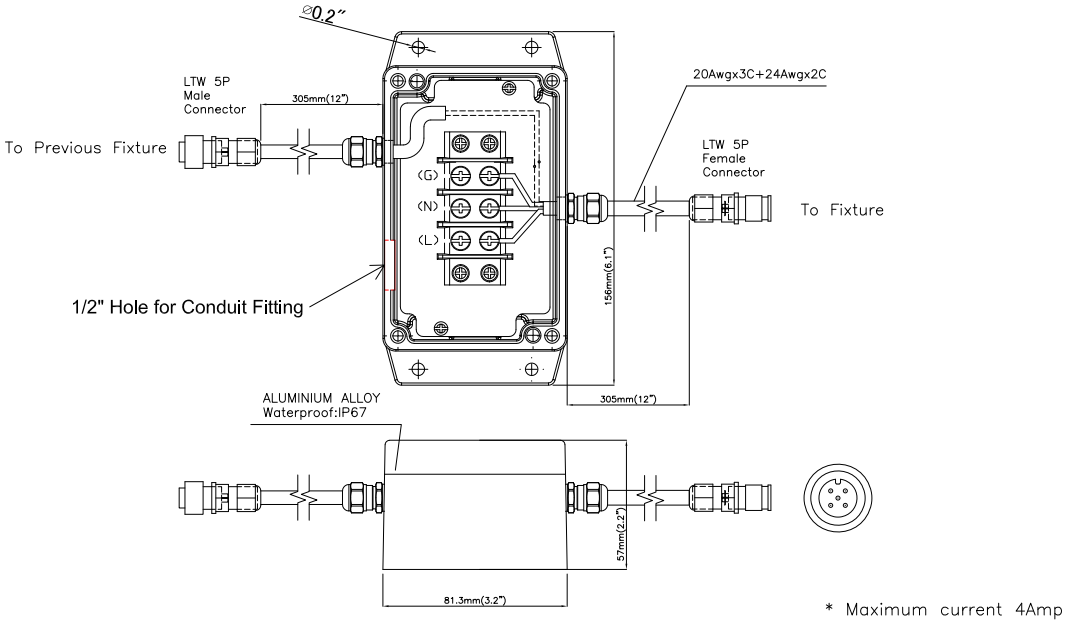


METAL JUNCTION BOX–AC POWER AMPLIFIER FOR LONG RUN LENGTHS

JUNCTION BOX
AC4A-3WB2-M

INPUT
12” PVC Cable w/ 5P Male 5A Connector

OUTPUT
12” PVC Cable w/ 5P Female 5A Connector



* Maximum current 4Amp

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HB30 SERIES

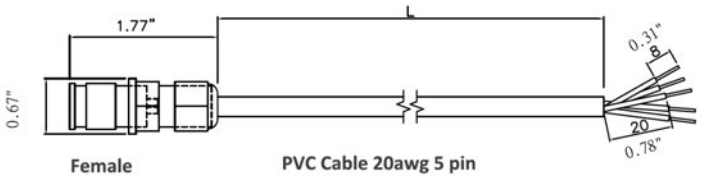
WIRING OPTIONS

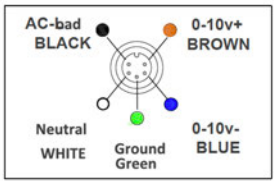
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WIRE LEAD

DESCRIPTION
5 pin power / signal wire

PART NUMBER
AL-HB5P-xx”-W/L

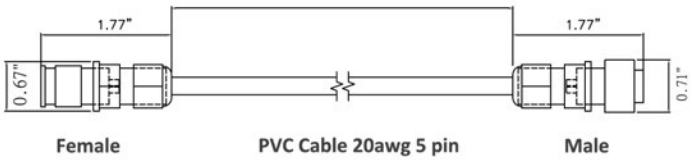


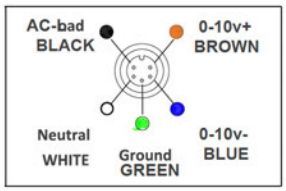


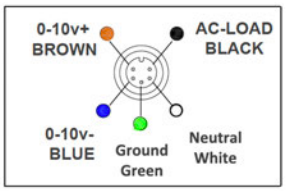
JUMPER CABLE

DESCRIPTION
5 pin power / signal jumper

PART NUMBER
AL-HB5P-xx”-J







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HB30PD SERIES

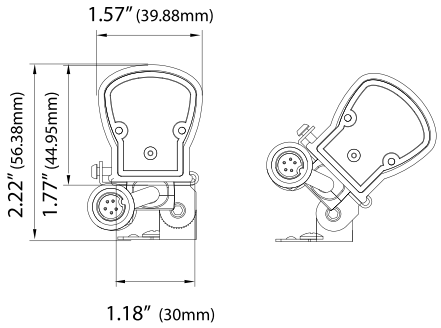
MOUNTING BRACKETS

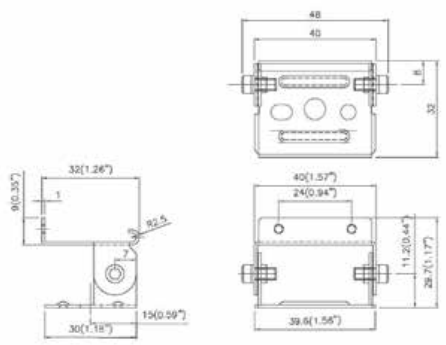
Date: .....
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Project: .....
Firm: .....

ADJUSTABLE BRACKETS

DESCRIPTION
HB30PD Adjustable Bracket

PART NUMBER
AL-ID/PD30 ADJ.Bracket



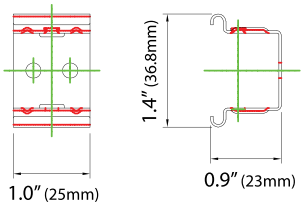


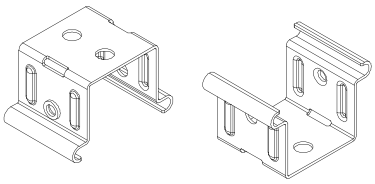


FLAT BRACKETS

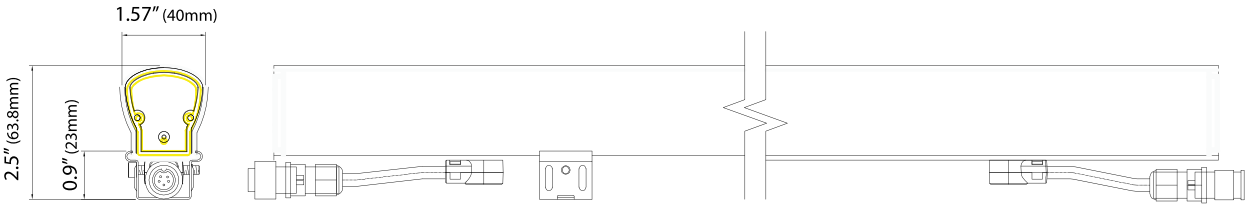
DESCRIPTION
HB30PD Flat Bracket

PART NUMBER
AL-ID/PD30-FBF BKT









JOINT CLIP

DESCRIPTION
HB30PD Joint Connector

PART NUMBER
AL-ID/PD30-JNT BKT





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

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.

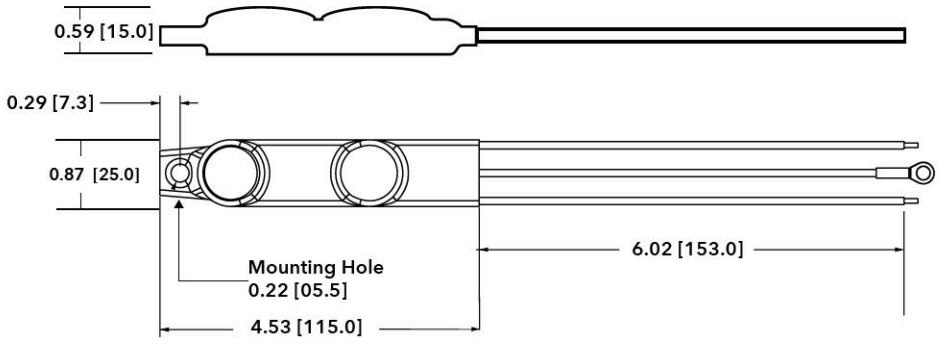
SPECIFICATIONS

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

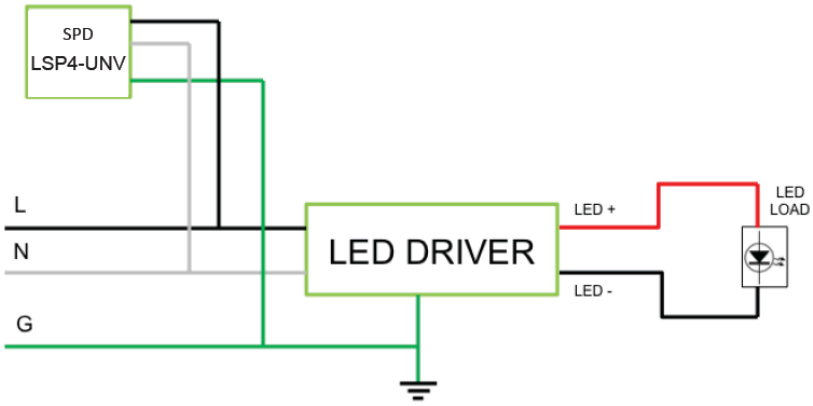
**1 strike at 20,000A*

MECHANICAL DIMENSIONS : IN (MM)





WIRING DIAGRAM



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