TSLC
THE SMART LIGHTING COMPANY

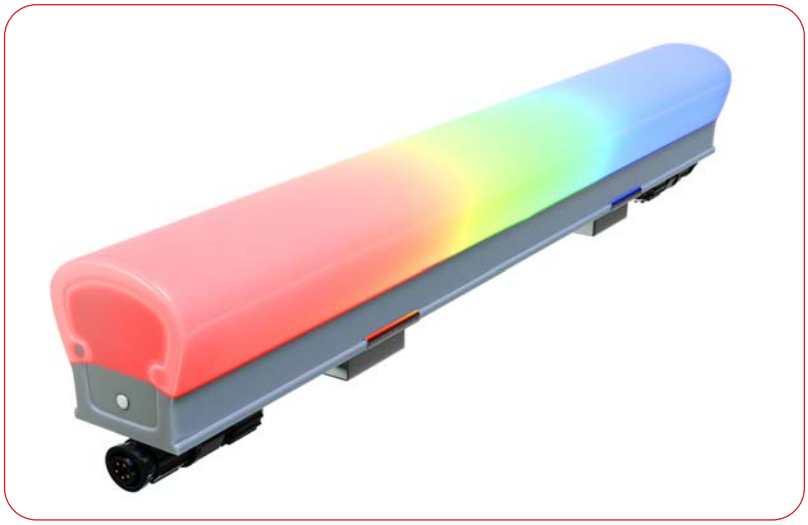
Date: .....
Type: .....
Project: .....
Firm: .....



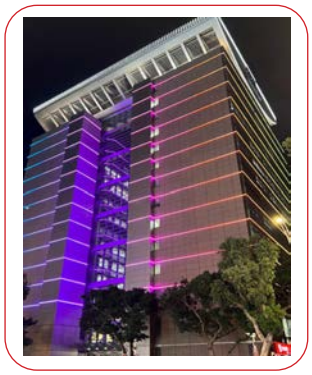
HB3018PD RGB

Exterior Façade Perimeter Outline System

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







Edge | Direct View | Accent Lighting

The Smart Lighting Company HB3018PD RGB Series is a precision-engineered exterior linear luminaire designed to trace and define architectural edges with seamless, uniform illumination. Built with bin-sorted Nichia LEDs and a one-piece domed polycarbonate extruded housing for a continuous, fluid glow without pixelation, these fixtures outperform more expensive brands. They connect quickly and seamlessly with our Plug & Play combined power and signal connectors to form one long continuous line of light. The fixtures are self-addressing for quick pairing with lighting control systems and manageable at every 4" to provide stunning lighting effects. Wet-rated for harsh environments, these fixtures are 100% tested and use only 6W per foot, for years of high-quality, efficient illumination.

DIMMABLE IP66 LM80 TESTED LEDS SA c UL us LISTED NICHIA

1731 Kaiser Ave. Irvine, CA 92614 | sales@thesmartlightingcompany.com | 949.346.3456 | thesmartlightingcompany.com
© 2021 The Smart Lighting Company. All rights reserved. Specifications subject to change without notice. Rev. 2/23

technology by LEDpower™ TSLC THE SMART LIGHTING COMPANY

HB3018 LINEAR LED LIGHTBAR

SPECIFICATIONS

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

PERFORMANCE

Output
5.6w/ft

Color Temperatures
RGB

Beam Angles
120°

LEDs per Foot
18 (RGB)

LED's
Nichia bin-sorted

Color Consistency
2 SCDM

ELECTRICAL

Input Voltage
100-277vac

Power Supply
Integral

Control
DMX

Resolution
Per 4" 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

1731 Kaiser Ave. Irvine, CA 92614 | sales@thesmartlightingcompany.com | 949.346.3456 | thesmartlightingcompany.com
© 2021 The Smart Lighting Company. All rights reserved. Specifications subject to change without notice. Rev. 2/23

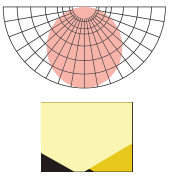
HB3018PD LINEAR LED LIGHTBAR

SPECIFICATIONS

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

OPTICS

120°x 120°



COLOR TEMPERATURES

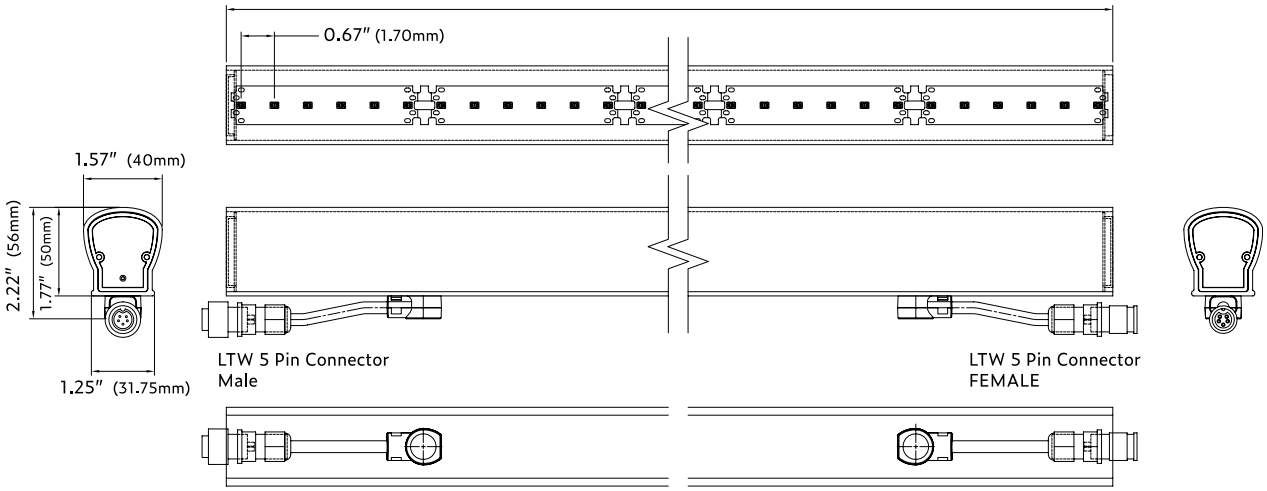


RGB

DIMENSIONS AND DATA

6w/ft	Voltage	View Angle	Watts/ Fixture	Lumens/ Fixture	LEDs/ fixture	Extrusion Length	Total Length
HB3018PD-12-RGB-120D-AC-DX	100-277VAC	120°	6w	TBD	18 RGB	L=294.8mm	L=304.8mm (12”)
HB3018PD-24-RGB-120D-AC-DX			11.4w	TBD	36 RGB	L=599.6mm	L=609.6mm (24”)
HB3018PD-36-RGB-120D-AC-DX			16.8w	TBD	54 RGB	L=904.4mm	L=914.4mm (36”)
HB3018PD-48-RGB-120D-AC-DX			22.4w	TBD	72 RGB	L=1209.2mm	L=1219.2mm (48”)

PROFILE



1731 Kaiser Ave. Irvine, CA 92614 | sales@thesmartlightingcompany.com | 949.346.3456 | thesmartlightingcompany.com
© 2021 The Smart Lighting Company. All rights reserved. Specifications subject to change without notice. Rev. 2/23

HB3018PD EXTERIOR LINEAR RGB LED LIGHTBAR

ORDER FORM

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

CREATE YOUR FIXTURE

Ex. HB3018PD-48-RGB-120-AC-DM

MODEL

HB3018PD	5.6w/ft

LENGTH

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

COLOR

RGB	RGB

OPTICS

120	120°x120°

VOLTAGE

AC	100-277vac

CONTROL

DM	Addressable/4"
DS	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*

1731 Kaiser Ave. Irvine, CA 92614 | sales@thesmartlightingcompany.com | 949.346.3456 | thesmartlightingcompany.com
© 2021 The Smart Lighting Company. All rights reserved. Specifications subject to change without notice. Rev. 2/23

POWER/SIGNAL

DISTRIBUTION BOXES

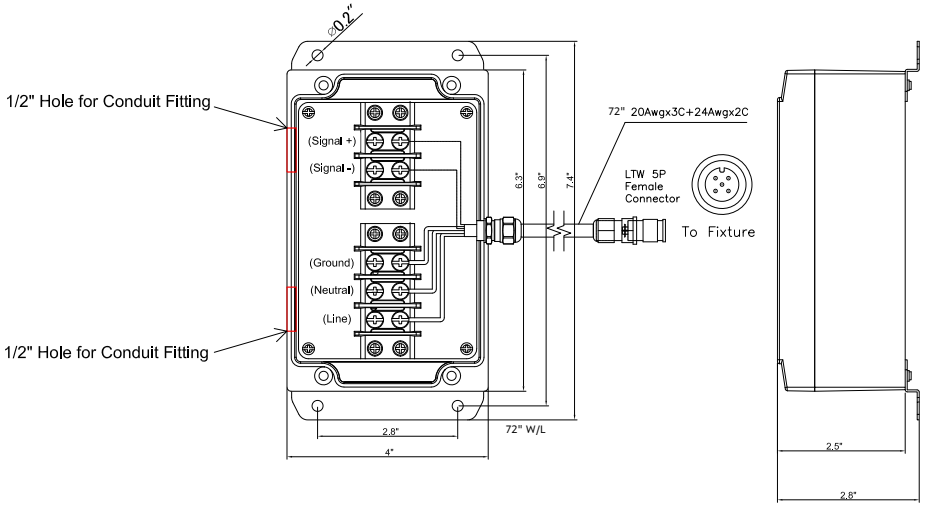
Used at the beginning of the run – All HB30 and HB40 Series

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

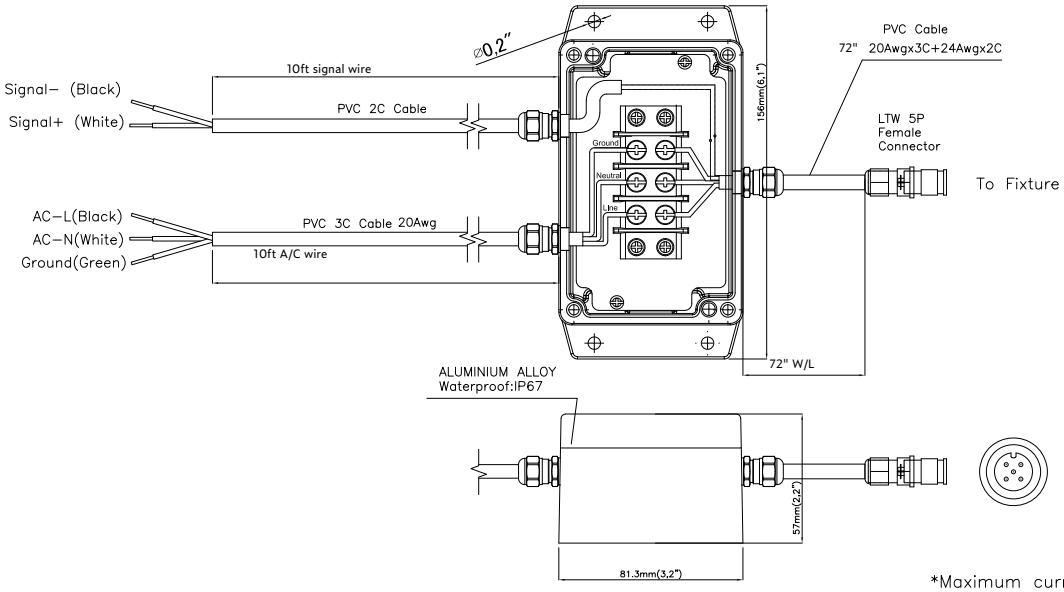


METAL JUNCTION BOX – POWER AND SIGNAL SPLITTER WITH INPUT WIRES

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

sales@thesmartlightingcompany.com | 949.346.3456 | thesmartlightingcompany.com
© 2021 The Smart Lighting Company. All rights reserved. Specifications subject to change without notice. Rev. 2/23

POWER/SIGNAL

DISTRIBUTION BOXES

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

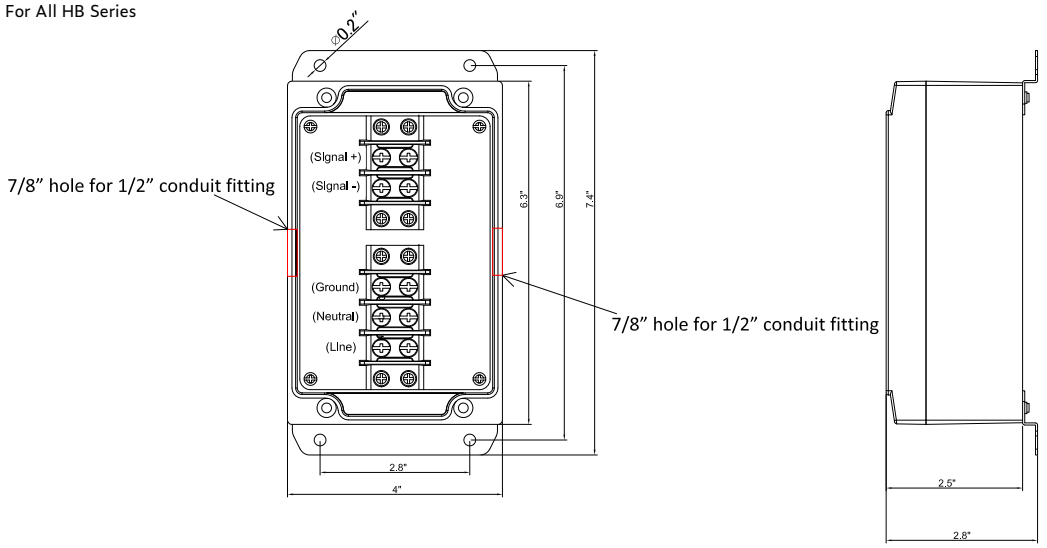
METAL JUNCTION BOX–AC POWER AND SIGNAL FOR LONG RUN LENGTHS FOR AC AND SIGNAL WIRE CONNECTION

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

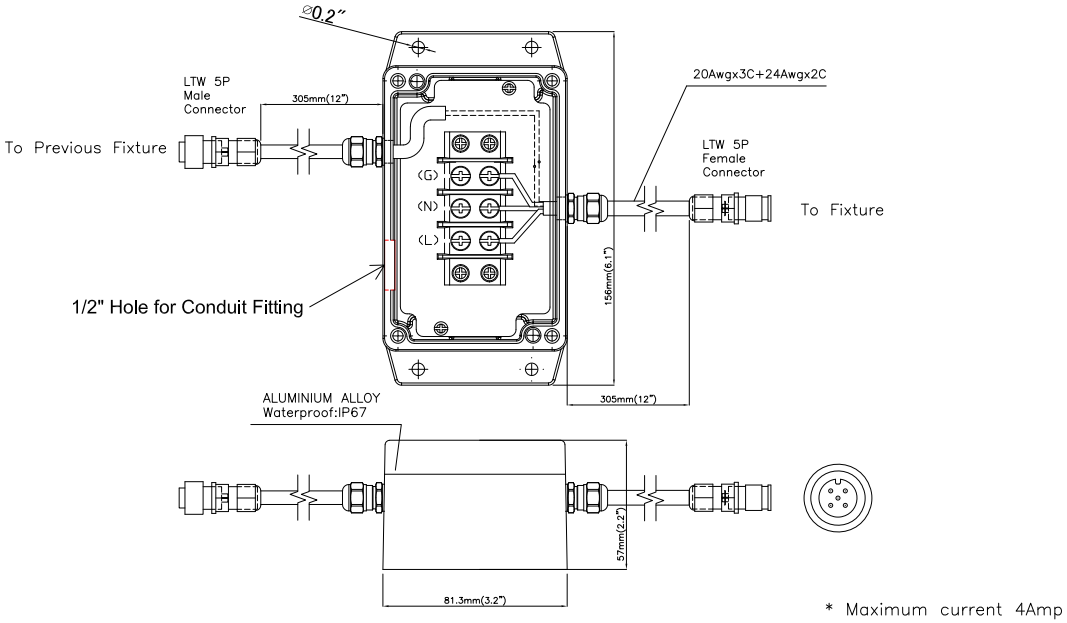


METAL JUNCTION BOX–AC POWER AMPLIFIER FOR LONG RUN LENGTHS

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

© 2021 The Smart Lighting Company. All rights reserved. Specifications subject to change without notice. Rev. 2/23

HB30 SERIES

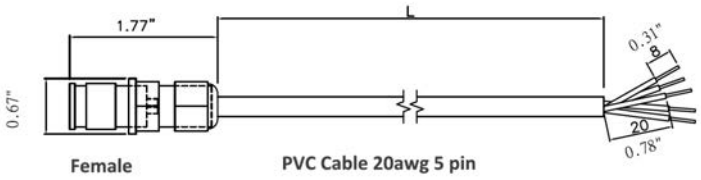
WIRING OPTIONS

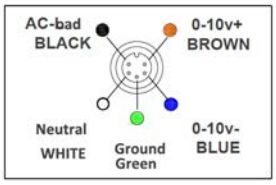
Date: .....
Type: .....
Project: .....
Firm: .....

WIRE LEAD

DESCRIPTION
5 pin power / signal wire

PART NUMBER
AL-HB5P-xx”-W/L

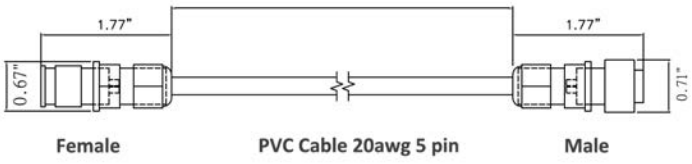


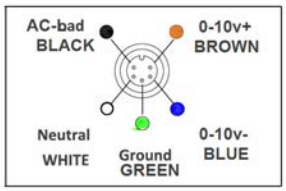


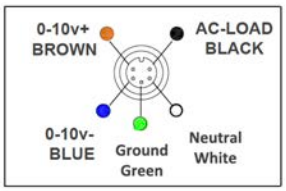
JUMPER CABLE

DESCRIPTION
5 pin power / signal jumper

PART NUMBER
AL-HB5P-xx”-J







1731 Kaiser Ave. Irvine, CA 92614 | sales@thesmartlightingcompany.com | 949.346.3456 | thesmartlightingcompany.com
© 2021 The Smart Lighting Company. All rights reserved. Specifications subject to change without notice. Rev. 2/23

HB30PD SERIES

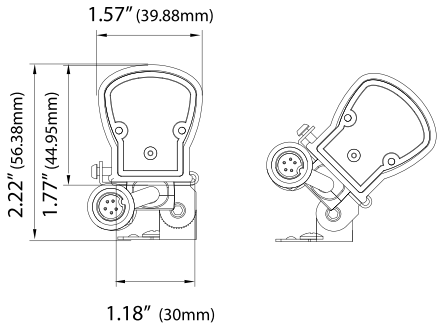
MOUNTING BRACKETS

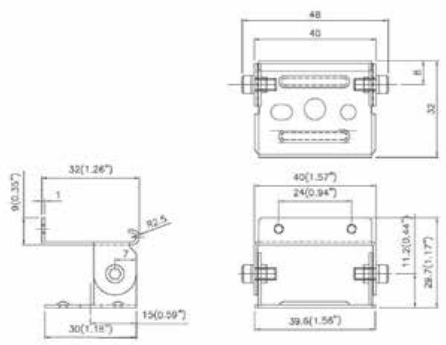
Date: .....
Type: .....
Project: .....
Firm: .....

ADJUSTABLE BRACKETS

DESCRIPTION
HB30PD Adjustable Bracket

PART NUMBER
AL-ID/PD30 ADJ.Bracket



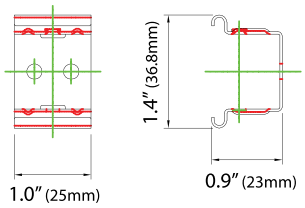


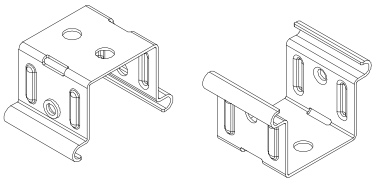


FLAT BRACKETS

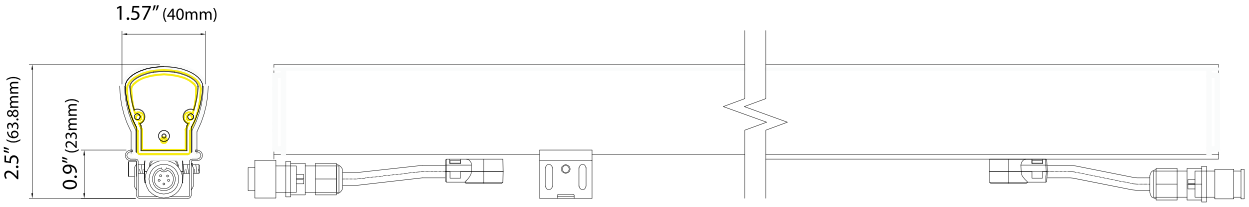
DESCRIPTION
HB30PD Flat Bracket

PART NUMBER
AL-ID/PD30-FBF BKT









JOINT CLIP

DESCRIPTION
HB30PD Joint Connector

PART NUMBER
AL-ID/PD30-JNT BKT





1731 Kaiser Ave. Irvine, CA 92614 | sales@thesmartlightingcompany.com | 949.346.3456 | thesmartlightingcompany.com
© 2021 The Smart Lighting Company. All rights reserved. Specifications subject to change without notice. Rev. 2/23

HB30PD SERIES

SURGE PROTECTION DEVICE

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

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.

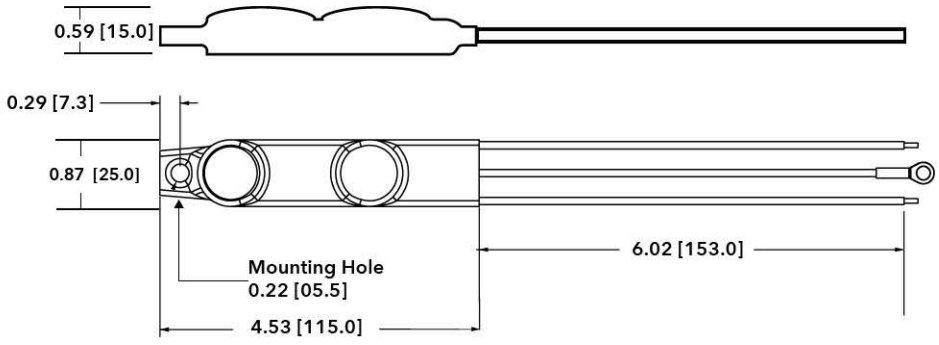
SPECIFICATIONS

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

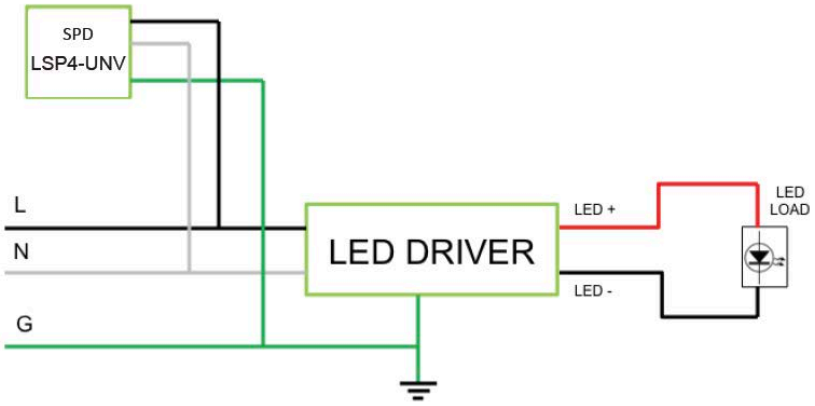
**1 strike at 20,000A*

MECHANICAL DIMENSIONS : IN (MM)





WIRING DIAGRAM



1731 Kaiser Ave. Irvine, CA 92614 | sales@thesmartlightingcompany.com | 949.346.3456 | thesmartlightingcompany.com
© 2021 The Smart Lighting Company. All rights reserved. Specifications subject to change without notice. Rev. 2/23