

HB40HP-HPS

POWERFUL | HIGH PERFORMANCE
 100/277vac | 12w/ft - 900lm/ft

HPS - TURTLE FRIENDLY LINEAR LED LIGHTBAR

Replacement for High-Pressure Sodium
Exterior: Graze | Wall Washing | Cove | Façade | Flood Lighting

The Smart Lighting Company HB40HP HPS Series, a cost-effective linear exterior architectural LED luminaire expertly designed to replace high-pressure sodium applications with energy efficient, instant on/off LED technology. This fixture delivers precise grazing, wall washing, cove, and flood lighting at an impressive 900 lumens per foot. Equipped with an integral universal 100/277VAC power supply with 0-10v dimming, the HB40HPHPS is versatile, available in five lengths and various color temperatures to suit diverse project need. It uses high-quality, bin-sorted Nichia LEDs, ensuring superior, even illumination without that yellow HPS coloring. The energy-efficient optical lenses are crafted to optimize light output, effectively doing more with less power. Built with durability in mind, it features a robust extruded anodized aluminum housing with precision-tooled end caps and secure IP66 rated Plug and Play connectors. With numerous mounting options and accessories, including powder-coated housing with integral glare shields, this fixture is not only easy to install but also a smart choice for achieving uniform lighting in a variety of settings.



SPECIFICATIONS

PERFORMANCE

Output

12w/ft - 900lm/ft

Color Temperatures

18k

Beam Angles

15°, 20°, 30°, 45°, 120°,
13°x17°, 30°x60°

LEDs per Foot

8

LED's

Bin-sorted

Color Consistency

2 SCDM

LM/W

75lm/w

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
(power and signal in one cable)

Projected Lumen Maintenance

>90,000 hours

PHYSICAL

Fixture Length Options

10", 19", 28", 37", 46"

Max Run Length

12w - 92ft/277vac, 40ft@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

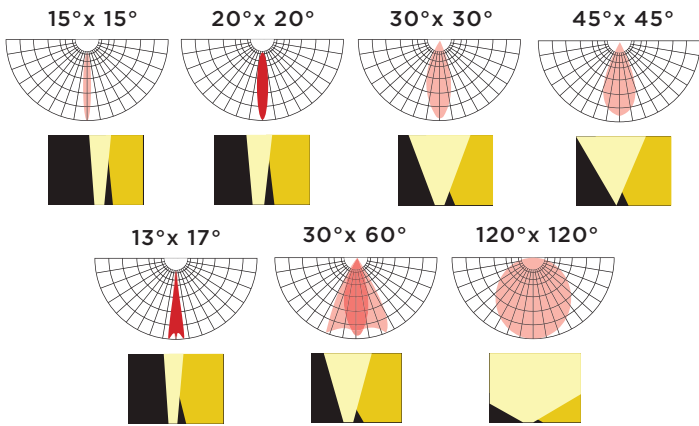
UL, cUL

Warranty

5 year limited warranty

SPECIFICATIONS

OPTICS



COLOR TEMPERATURES

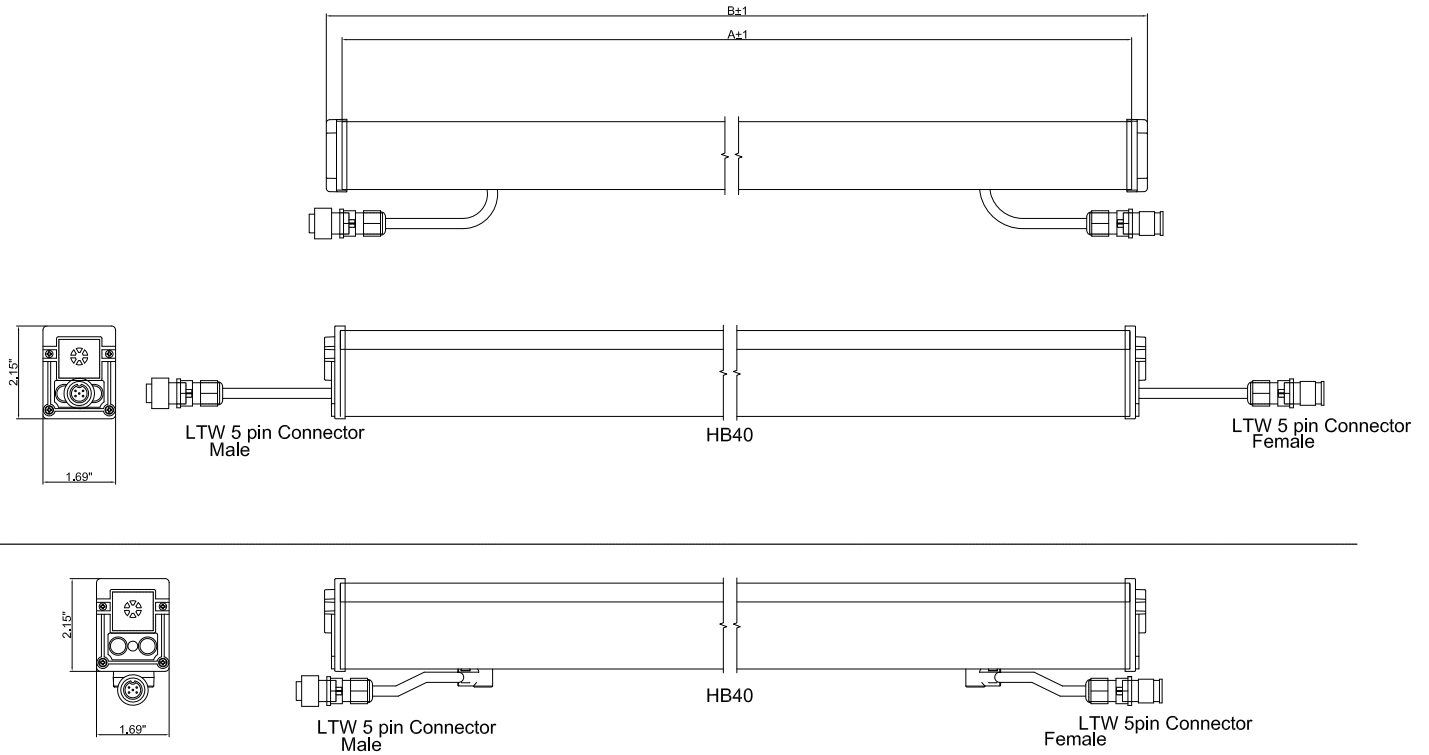


DIMENSIONS AND DATA

12w/ft	Voltage	View Angle	Watts/ Fixture	Lumens/ Fixture	LEDs/ Fixture	Extrusion Length	Total Length
HB40HP-10-18K-XXD-ACD-12	100-277VAC	15°, 20°, 30°, 45°, 120°, 13°x17°, 30°x60°	9.2w	750	5	L=237.4mm	L=256mm (10")
HB40HP-19-18K-XXD-ACD-12			18.4w	1425	10	L=465.4mm	L=484mm (19")
HB40HP-28-18K-XXD-ACD-12			27.6w	2100	15	L=693.0mm	L=712mm (28")
HB40HP-37-18K-XXD-ACD-12			36.8w	2775	20	L=921.4mm	L=940mm (37")
HB40HP-46-18K-XXD-ACD-12			46.0w	3450	25	L=1149.4mm	L=1168mm (46")

SPECIFICATIONS

PROFILE



ORDER FORM

CREATE YOUR FIXTURE

Ex. HB40HP-46-18K-30-ACD-12

MODEL HB40HP	LENGTH 10" 10 inches 19" 19 inches 28" 28 inches 37" 37 inches 46" 46 inches	COLOR 18k 1800k	OPTICS 15 15°x15° 120 120°x120° 20 20°x20° 1317 13°x17° 30 30°x30° 3060 30°x60° 45 45°x45°
VOLTAGE AC 100-277vac	CONTROL D Dimming ND Non Dimming	POWER 12 12w/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		
	AL-HB3P-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
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.

SELECT MOUNTING

QTY	MOUNTING BRACKETS - 2 REQUIRED PER FIXTURE	
	AL-HB40ADJ BRACKET	HB40 Adjustable bracket
	AL-HB40FLAT BRACKET	HB40 Flat bracket

* Flat brackets only used if fixture is mounted in powder coated housing

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

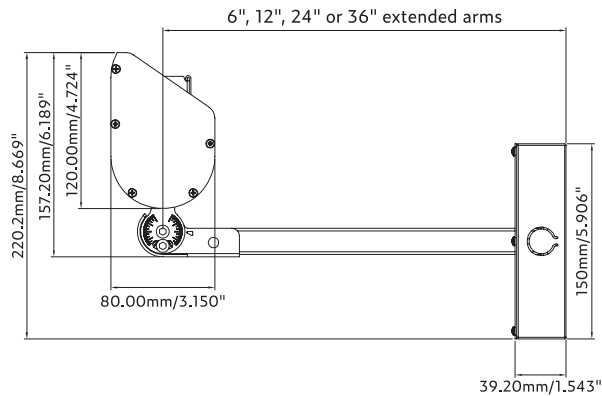
ADDITIONAL MOUNTING OPTIONS

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
	HB40EXT-	10"	BK - Black	6"
		19"	BZ- Bronze	12"
		28"	WH - White	18"
		37"	SI - Silver	24"
		46"	CU - Custom	36"

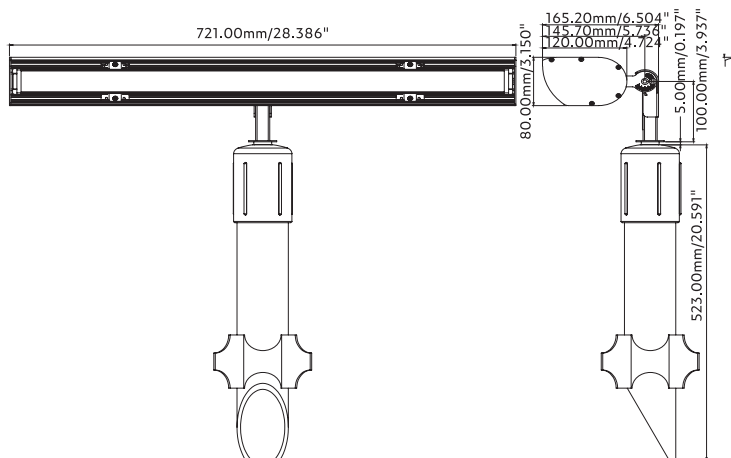
GPA (Ground Post Arm)



Ground Posts

QTY **Select when using GPA above (1 per fixture for 10", 19" & 28" housing and 2 for 37" & 46" housing)**

HBEXT-GPS Ground post mount



GLARE PROTECTION

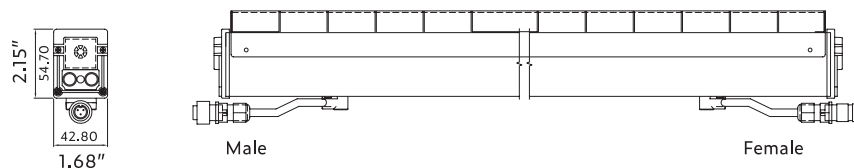
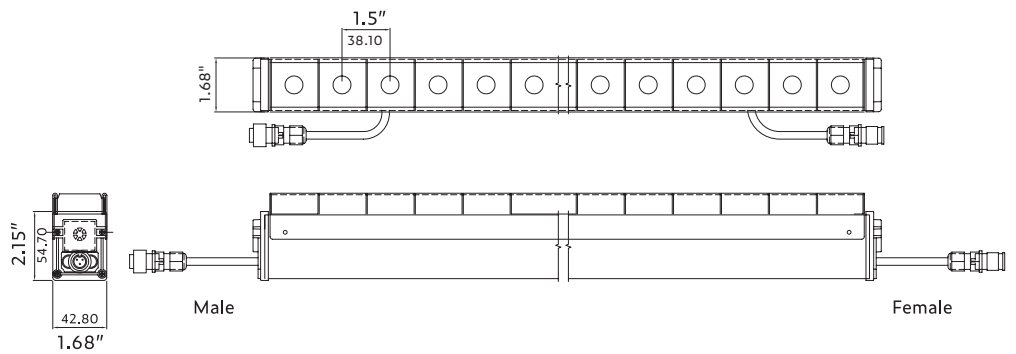
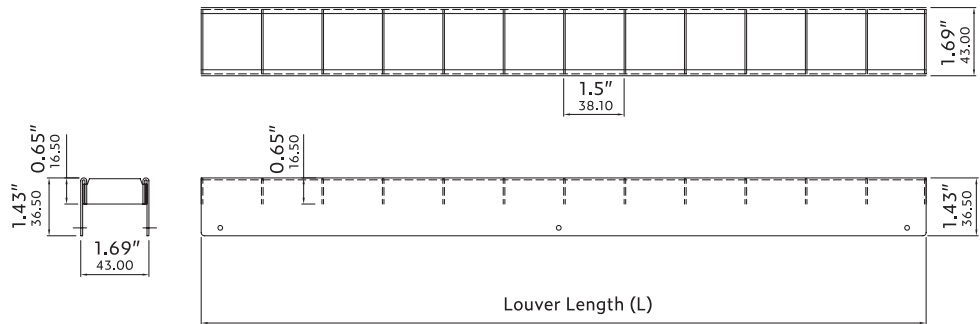
LOUVERS

Glare Control

Standard black finish powder coated louvers

QTY	Housing	(L) Housing Length	(F) Finish
	HB40-10" LOUVER	10"	BK - Black
	HB40-19" LOUVER	19"	BZ - Bronze
	HB40-28" LOUVER	28"	WH - White
	HB40-37" LOUVER	37"	SI - Silver
	HB30-46" LOUVER	46"	CU - Custom

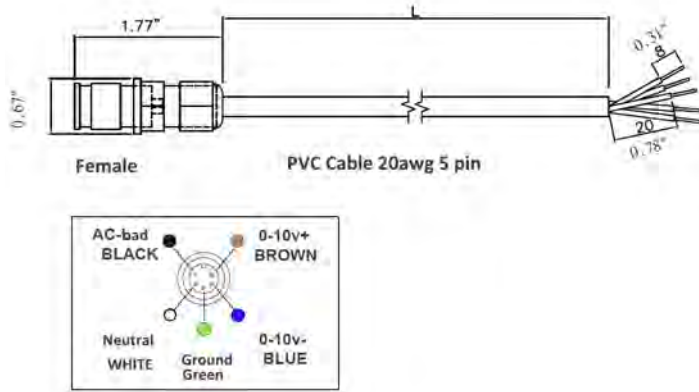
* Other powder coated finishes available for additional cost



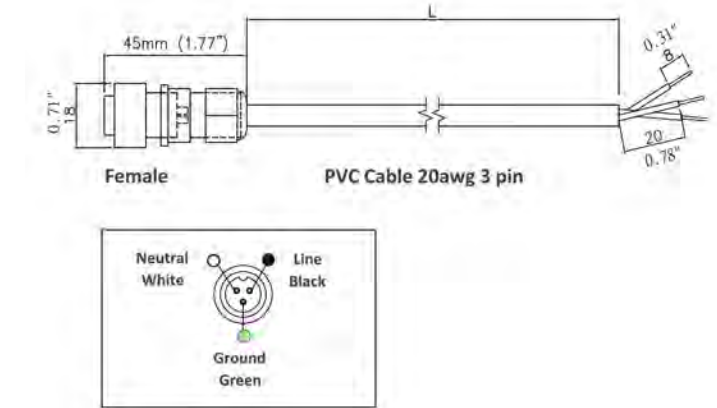
WIRING OPTIONS

WIRE LEAD

DESCRIPTION | **PART NUMBER**
 5 pin power / signal wire | AL-HB5P-xx"-W/L

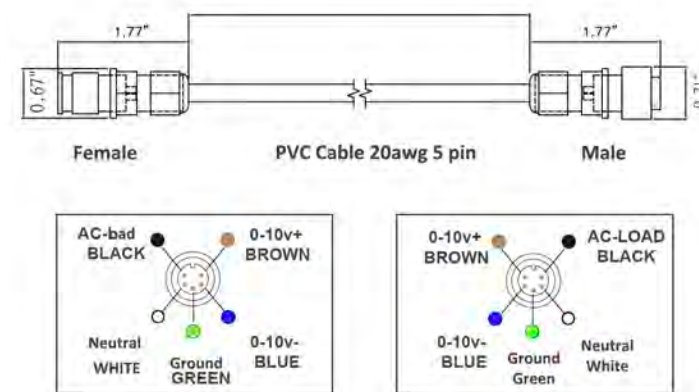


DESCRIPTION | **PART NUMBER**
 3 pin power wire | AL-HB3P-xx"-W/L

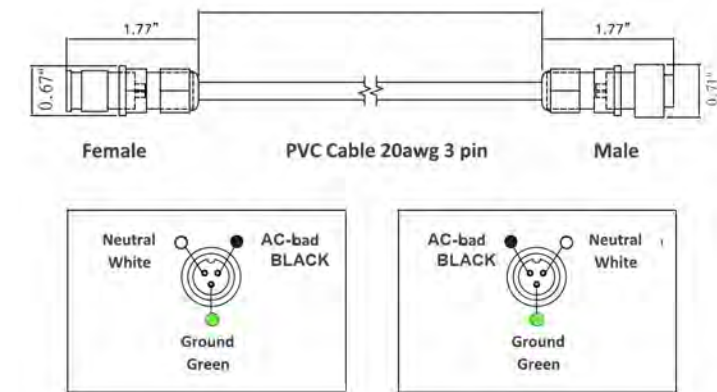


JUMPER CABLE

DESCRIPTION | **PART NUMBER**
 5 pin power / signal jumper | AL-HB5P-xx"-J



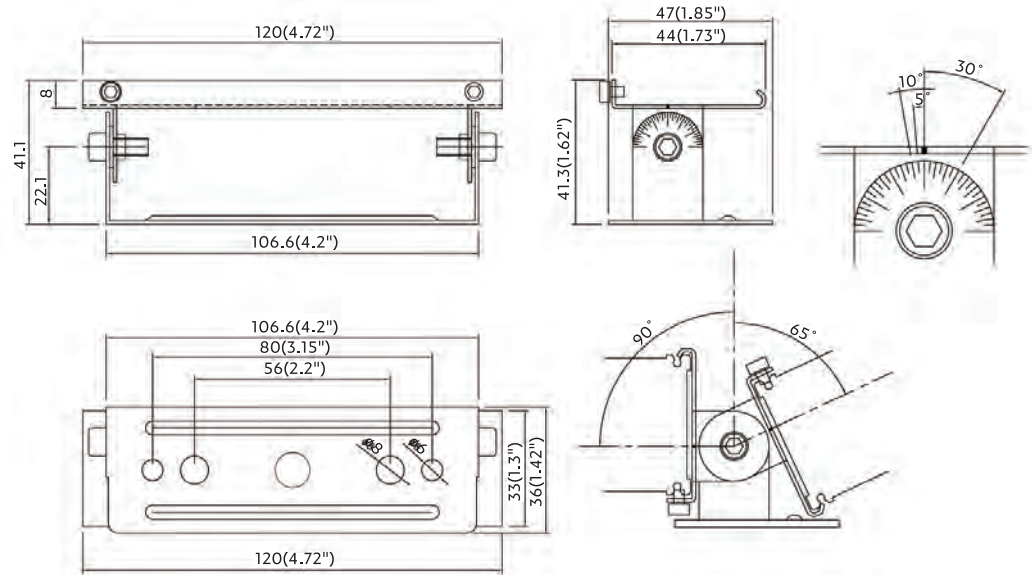
DESCRIPTION | **PART NUMBER**
 3 pin power jumper | AL-HB3P-xx"-J



MOUNTING BRACKETS

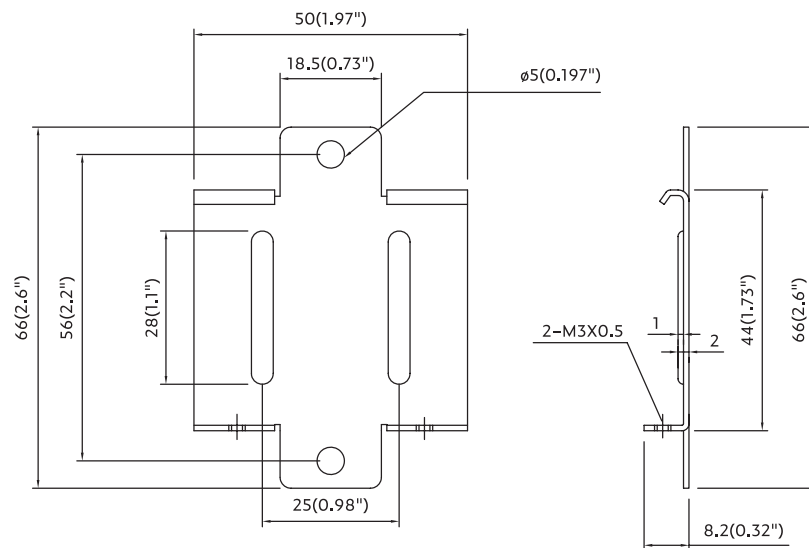
ADJUSTABLE BRACKETS

DESCRIPTION	PART NUMBER
HB40 Adjustable Bracket	AL-HB40 ADJ.Bracket



FLAT BRACKETS

DESCRIPTION	PART NUMBER
HB40HP Flat Bracket	AL-HB40HP-Flat Bracket



SURGE PROTECTION DEVICE

SURGE PROTECTION

DESCRIPTION | **PART NUMBER** | The use of a surge protection device is necessary to maintain your warranty. Specifications are subject to change without notice.

Surge Protection Device | AL-LSP-UNV

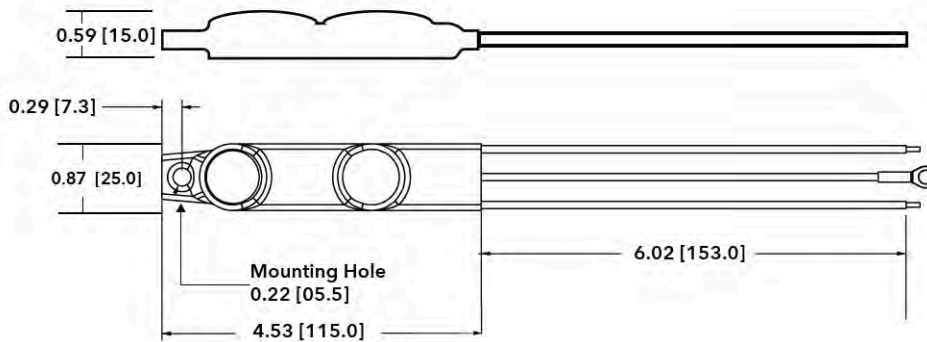
SPECIFICATIONS

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

