TSLC
THE SMART LIGHTING COMPANY

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



KARMA HB40RP RGBW

LINEAR LED LIGHTBAR

POWERFUL | HIGH PERFORMANCE
13w/ft | RGBW | DMX





Exterior: Graze| Wall Wash | Facade Lighting

KARMA Series HB40RP RGBW is an economical line of wet location rated, high-performance linear architectural fixtures designed for versatile exterior applications such as grazing, wall-washing, and flood lighting. Fixtures can be row mounted or stand alone and operate at 13 watts per foot using Nichia bin-sorted LEDs and precision optics, ensuring superior, even illumination across various settings. Our in-house designed and manufactured optical lenses focus on energy efficiency, maximizing light output with minimal power usage. With DMX control and self-addressing for easy operation, the series offers an array of options in fixture length, color temperature, optics, mounting, and finishes.

Each fixture boasts an integral universal 100/277VAC power supply and full thermal management, complemented by a Plug and Play system that streamlines installation while handling both power and signal. The HB40RP RGBW is made in a durable black powder coated housing with tooled end caps for longevity, and brings affordable, no-compromise performance to your architectural lighting.

DIMMABLE | IP66 | LM 80 TESTED LEDS | CSA | c UL us LISTED | NICHIA

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technology by LEDpower

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KARMA EXTERIOR LINEAR LED LIGHTBAR

SPECIFICATIONS

Date: .....
Type: .....
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PERFORMANCE

Output
13w/ft | 640m/ft

Color Temperatures
RGBW

Beam Angles
15°, 20°, 30°, 45°, 60°, 75°, 90°, 120°, 15°x30°, 18°x58°, 30°x60°, 30°x15°, 58°x18°, 60°x30°

LEDs per Foot
16 (4R, 4G, 4B, 4W) LED's/ft

LED's
Nichia bin-sorted

Color Consistency
2 SCDM

ELECTRICAL

Input Voltage
100-277vac

Power Supply
Integral

Control
DMX

Addressing
Per 9" or per fixture

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
85ft@277vac, 36ft@120vac

Housing
Anodized extruded aluminum, tooled end caps

Lens
Polycarbonate

Fixture Finish (Standard)
Black powder coat

Powder Coated Finish (Optional)
Bronze, White, CU

Standard Mounting
Stand alone or row mounted with stainless adjustable brackets

Optional Mounting
Extended arms (6", 12", 18" or ground post adapters

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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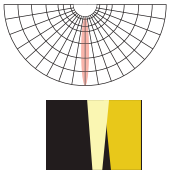
KARMA EXTERIOR LINEAR LED LIGHTBAR

SPECIFICATIONS

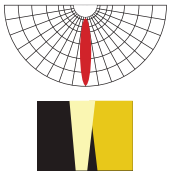
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Project: .....
Firm: .....

OPTICS

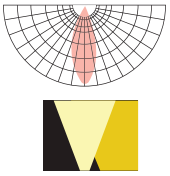
15°x 15°



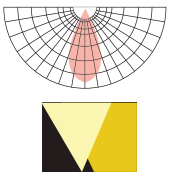
20°x 20°



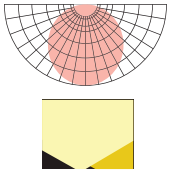
30°x 30°



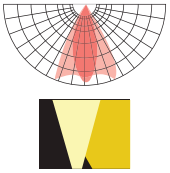
45°x 45°



120°x 120°



30°x 60°



COLOR TEMPERATURES

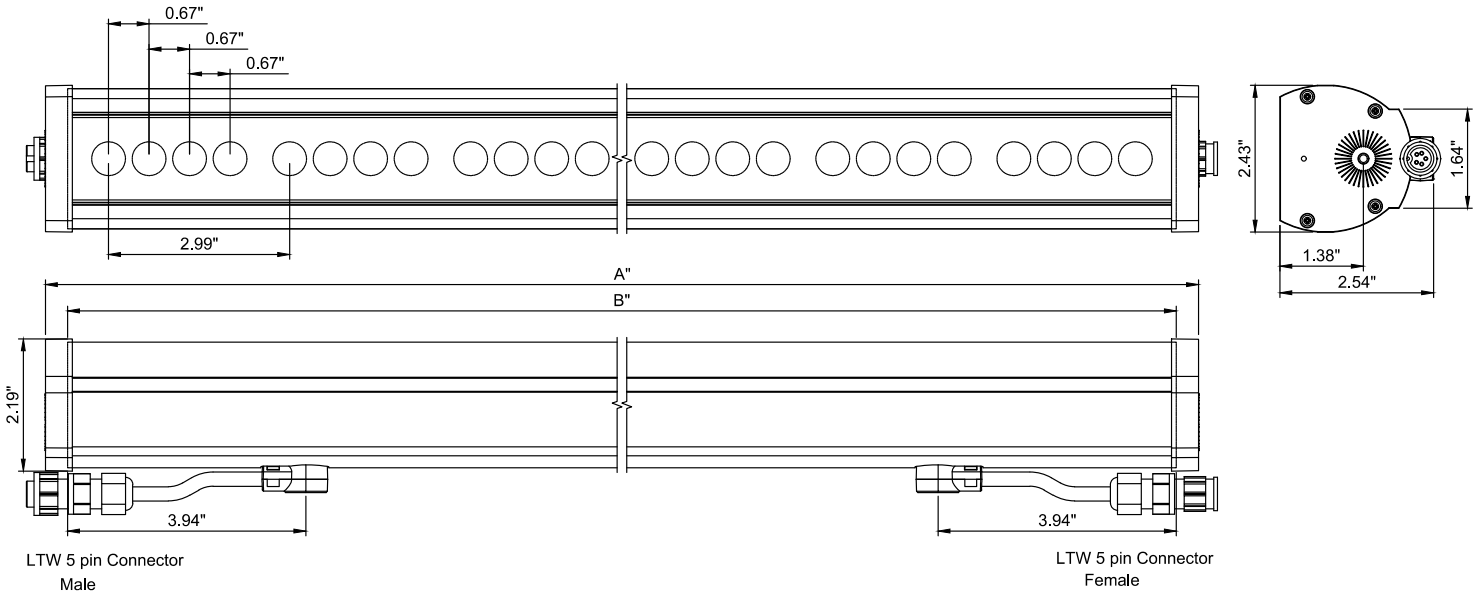


RGBW

DIMENSIONS AND DATA

8.8w/ft	Voltage	View Angle	Watts/ Fixture	Lumens/ Fixture	LEDs/ Fixture	Extrusion Length	Total Length
HB40RP-10-XXK-XXD-ACD	100-277VAC	15°, 20°, 30° 45°, 60°, 75°, 90°, 120° 18°x26° 18°x58° 30°x60°	10w	534	3R, 3G, 3B, 3W	L=237.4mm	L=256mm (10”)
HB40RP-19-XXK-XXD-ACD			20w	1015	6R, 6B, 6G, 6W	L=465.4mm	L=484mm (19”)
HB40RP-28-XXK-XXD-ACD			30w	1496	9R, 9G, 9B, 9W	L=693.0mm	L=712mm (28”)
HB40RP-37-XXK-XXD-ACD			40w	1976	12R, 12G, 12B, 12W	L=921.4mm	L=940mm (37”)
HB40RP-46-XXK-XXD-ACD			50w	2457	15R, 15G, 15B, 15W	L=1149.4mm	L=1168mm (46”)

PROFILE



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KARMA EXTERIOR LINEAR LED LIGHTBAR

ORDER FORM

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

CREATE YOUR FIXTURE

Ex. HB40RP-37-RGBW65-3060-AC-DM

MODEL

HB40RP	13w/ft.

LENGTH

10”	10 inches
19”	19 inches
28”	28 inches
37”	37 inches
46”	46 inches

COLOR

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

OPTICS

15	15°x15°	1530	15°x30°
20	20°x20°	1858	18°x58°
30	30°x30°	3060	30°x60°
45	45°x45°	2618	26°x18°
60	60°x60°	5818	58°x18°
75	75°x75°	6030	60°x30°
90	90°x90°		
120	120°x120°		

VOLTAGE

AC	100-277vac

CONTROL

DM	Addressable/9"
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

JUNCTION BOX

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
	AC-2WB2-M	J-box between fixtures with input/output

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

End Cap

QTY		
	AL-HB5P-ENDCAP	End cap 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

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

***Not to be used with extended arm mounting*

MOUNTING BRACKETS

	AL-HB40RP-FLAT BRACKET	Flat bracket
	AL-HB40RP-ADJ BRACKET	Adjustable bracket
	AL-HB40RP-GP BRACKET	Ground post bracket

MOUNTING ARMS

	AL-HB40RP-6"-ARM-xx	6" Mounting arm
	AL-HB40RP-12"-ARM-xx	12" Mounting arm
	AL-HB40RP-18"-ARM-xx	18" Mounting arm

xx =up or down (indicates fixture illumination direction

** 2 per fixture as a standalone, 1 between each fixture when row-mounted*

ADDITIONAL OPTIONS

Powder Coated Finish

QTY		
	BK	Black - *Standard finish*

Other powder coated finishes available for additional cost

	BZ	Bronze
	WH	White
	CU	Custom

DMX Controller

QTY		
	NIC-DMX-STICK-DE3	DMX Controller

Surge Protection

QTY		
	LSP4-UNV	120/277v surge protector

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POWER/SIGNAL

DISTRIBUTION BOXES

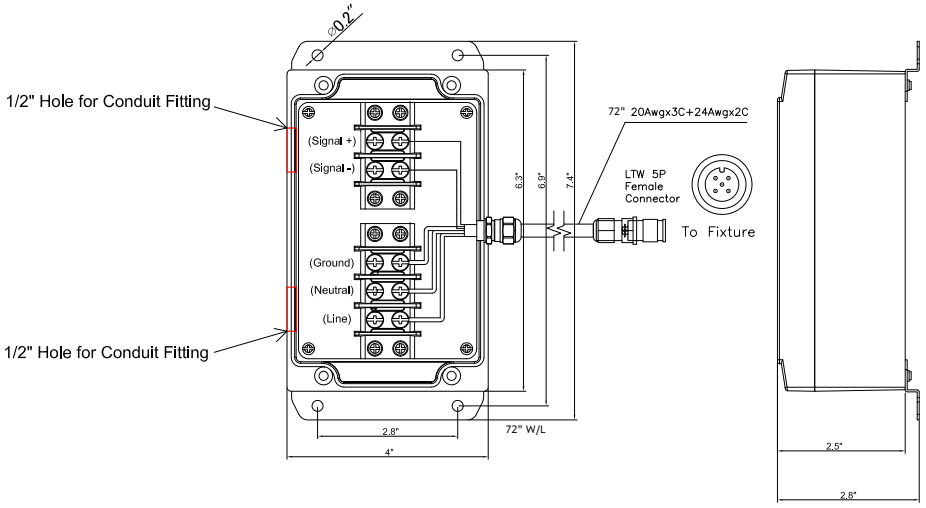
Used at the beginning of the run – All HB30 and HB40 Series

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

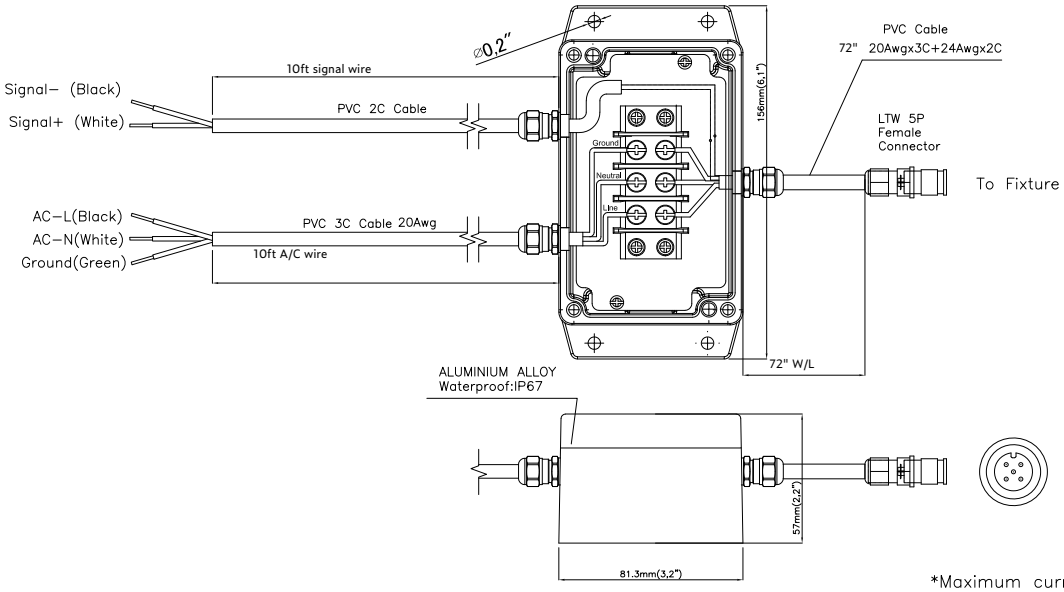


METAL JUNCTION BOX – POWER AND SIGNAL SPLITTER WITH INPUT WIRES

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

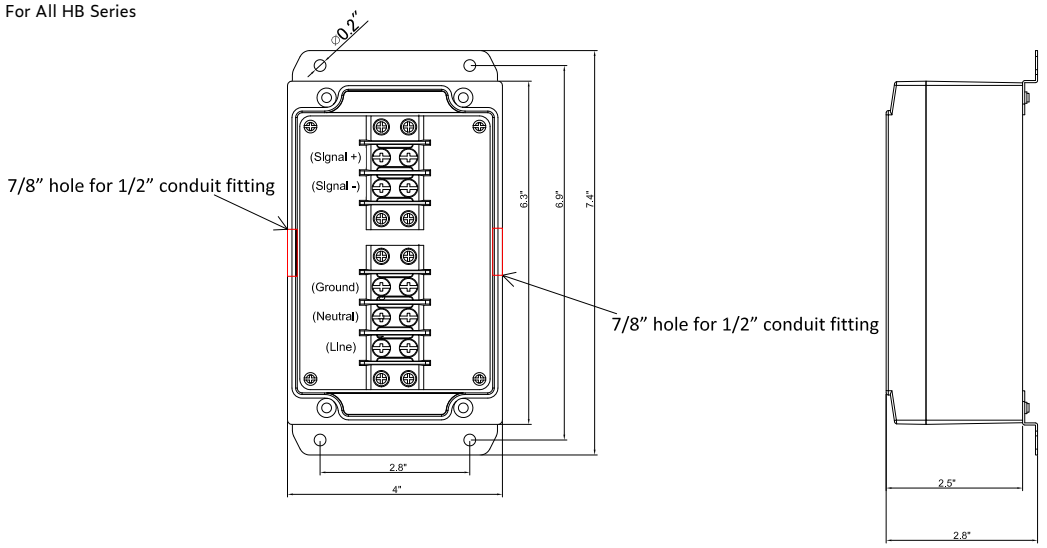
METAL JUNCTION BOX–AC POWER AND SIGNAL FOR LONG RUN LENGTHS FOR AC AND SIGNAL WIRE CONNECTION

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

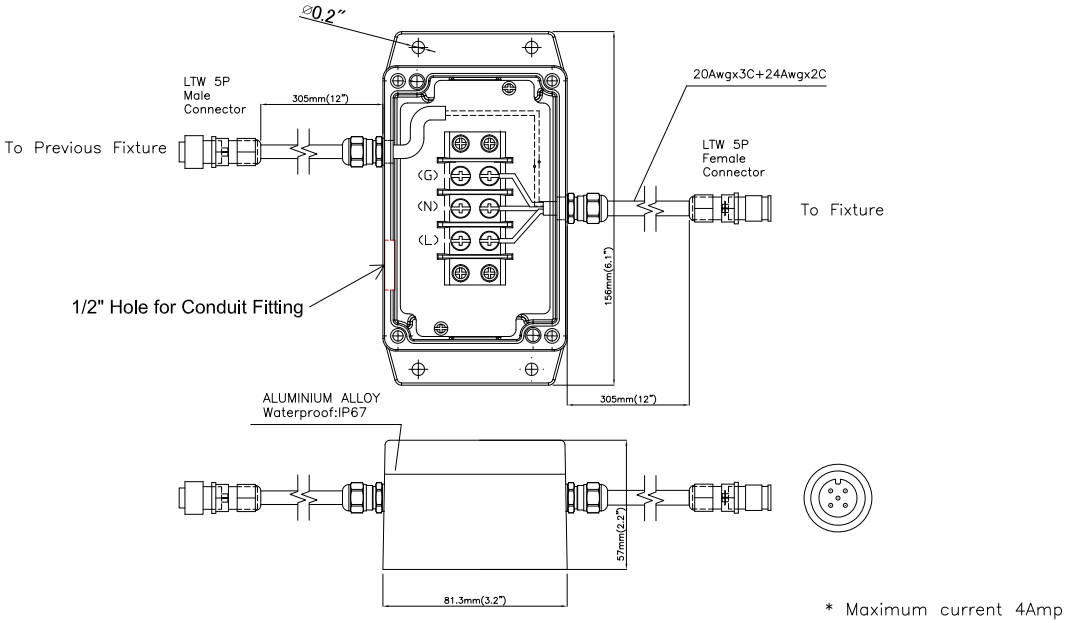


METAL JUNCTION BOX–AC POWER AMPLIFIER FOR LONG RUN LENGTHS

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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KARMA SERIES

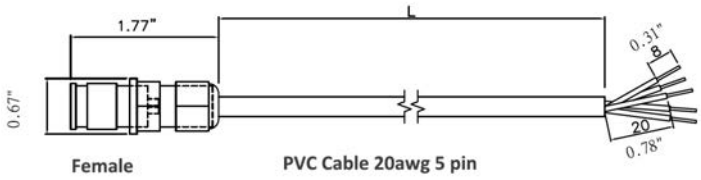
WIRING OPTIONS

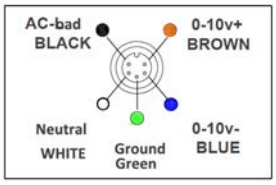
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WIRE LEAD

DESCRIPTION
5 pin power / signal wire

PART NUMBER
AL-HB5P-xx”-W/L

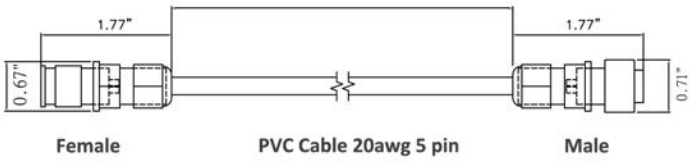


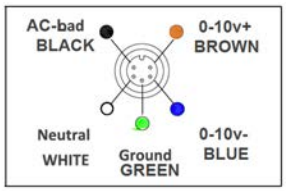


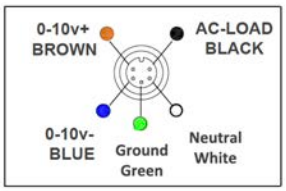
JUMPER CABLE

DESCRIPTION
5 pin power / signal jumper

PART NUMBER
AL-HB5P-xx”-J







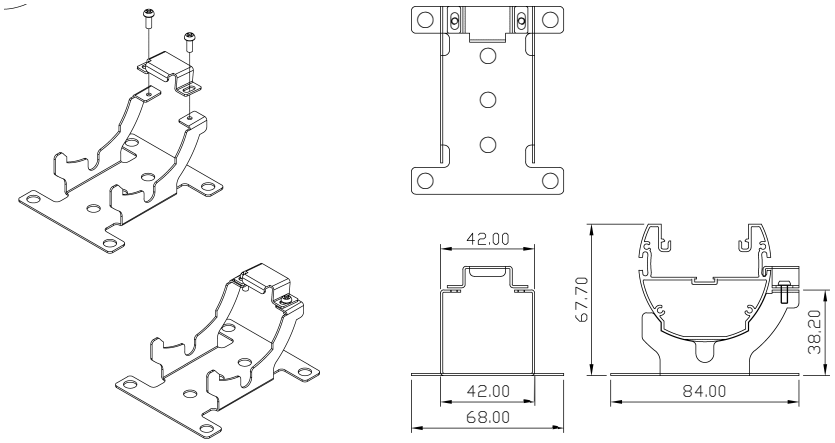
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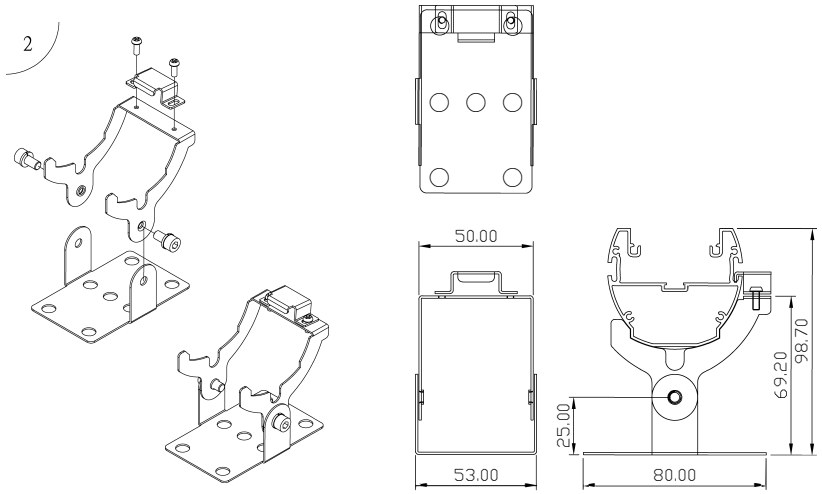
BRACKETS

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

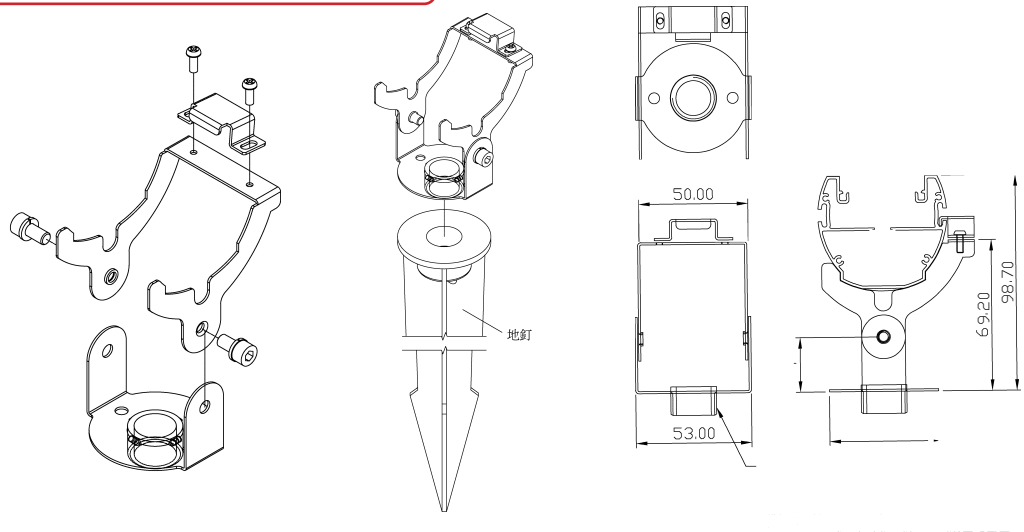
FLAT BRACKETS



ADJUSTABLE BRACKETS



GROUND POST BRACKETS



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KARMA SERIES

MOUNTING

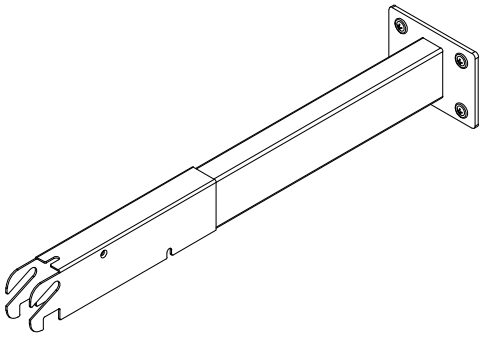
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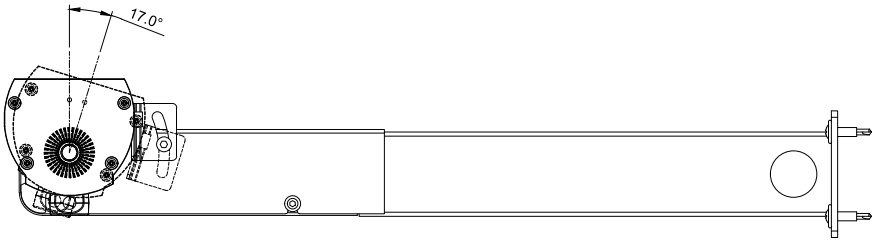
MOUNTING OPTIONS

Extended Arms

Fixture can be mounted illuminating up or down with 6", 12" or 18" wall mount arms

QTY		(ARM LENGTH)		(Fixture Direction)
	AL-HB40RP-		Arm	
		6”		UP
		12”		DN
		18"		







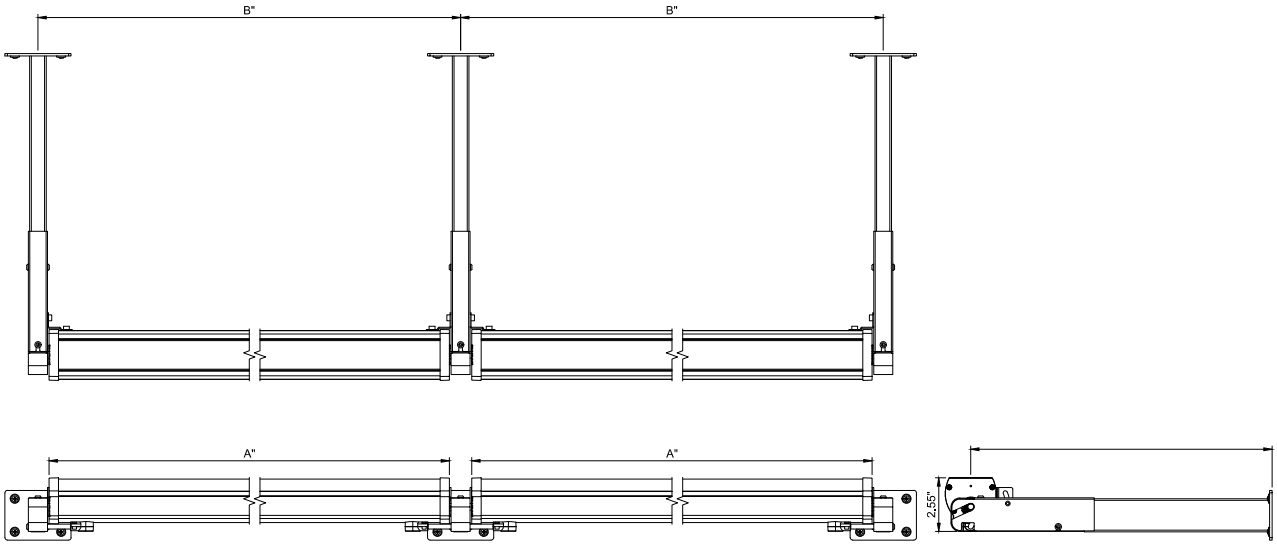
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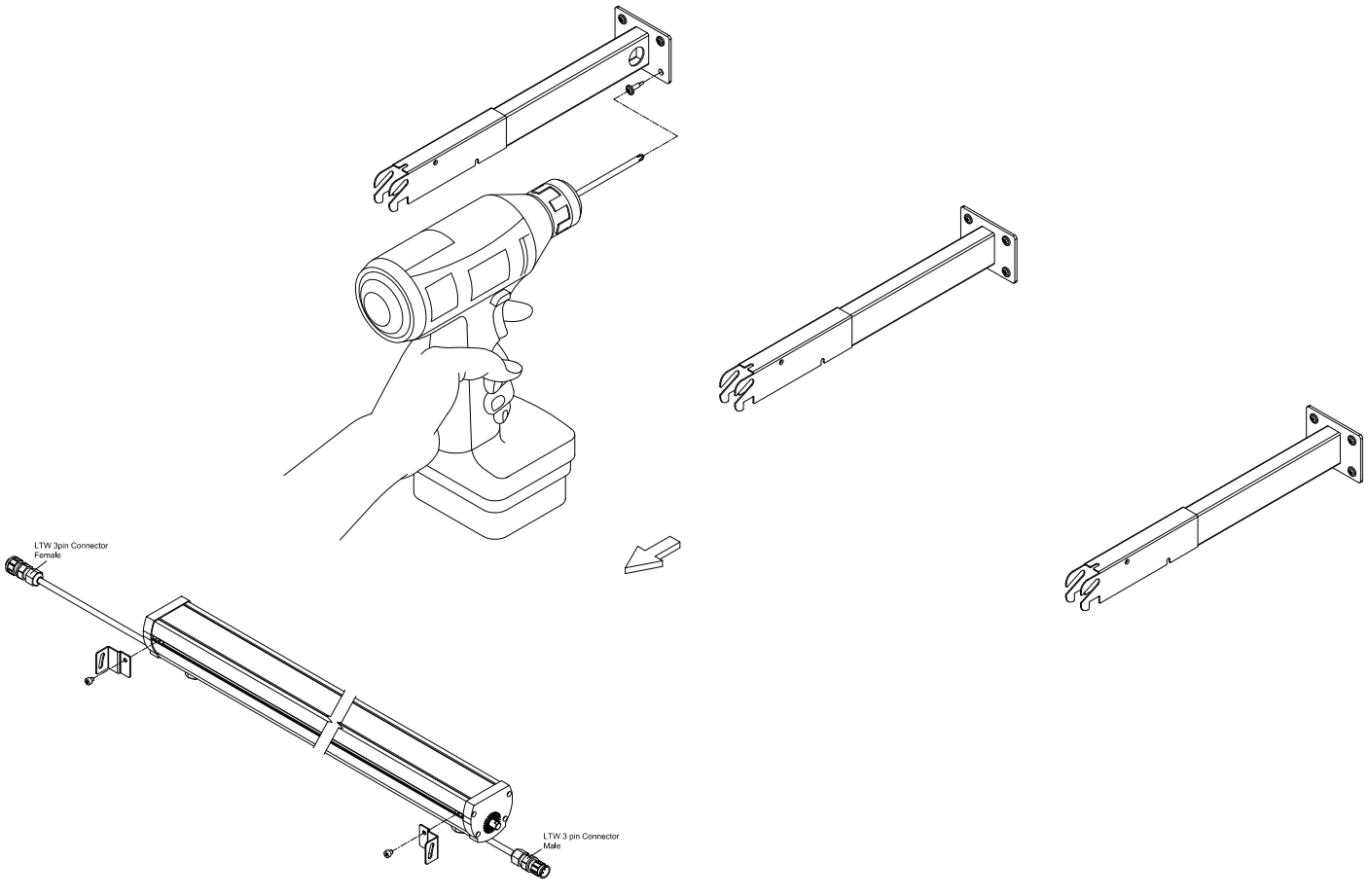
KARMA SERIES

MOUNTING

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

Extended Arms - 6", 12", 18""



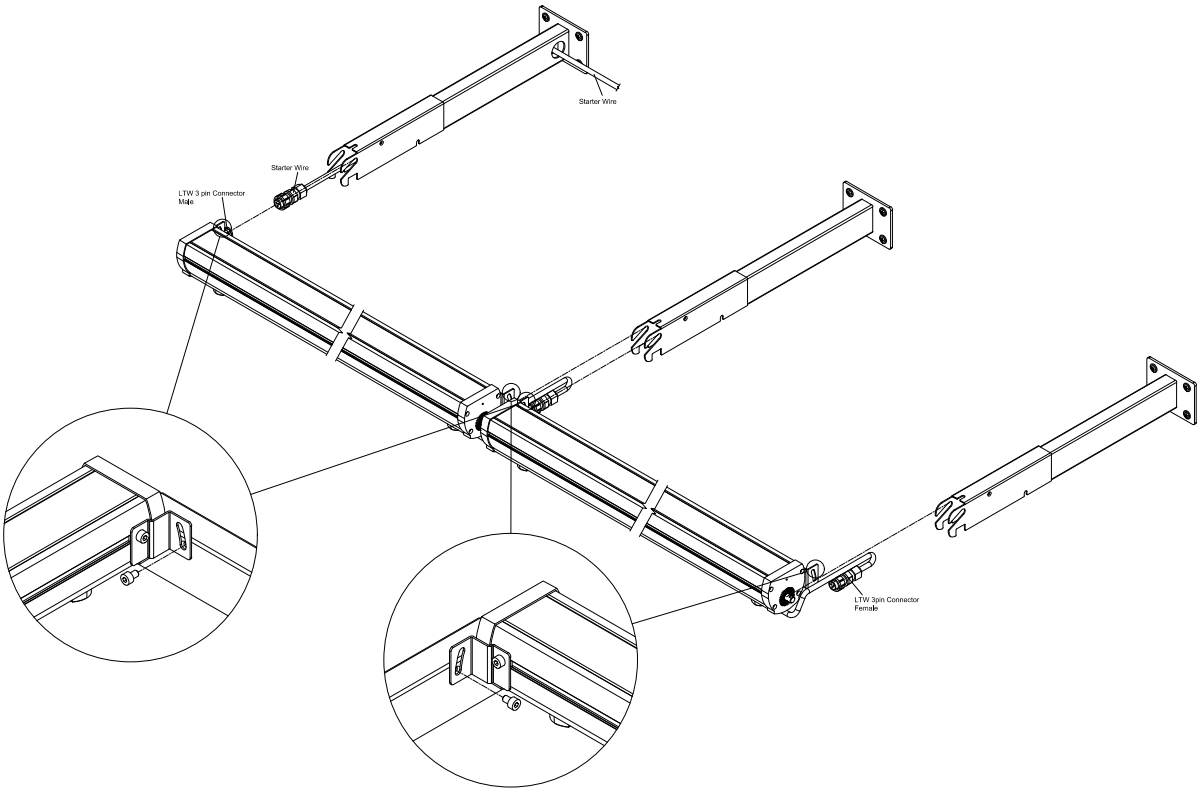


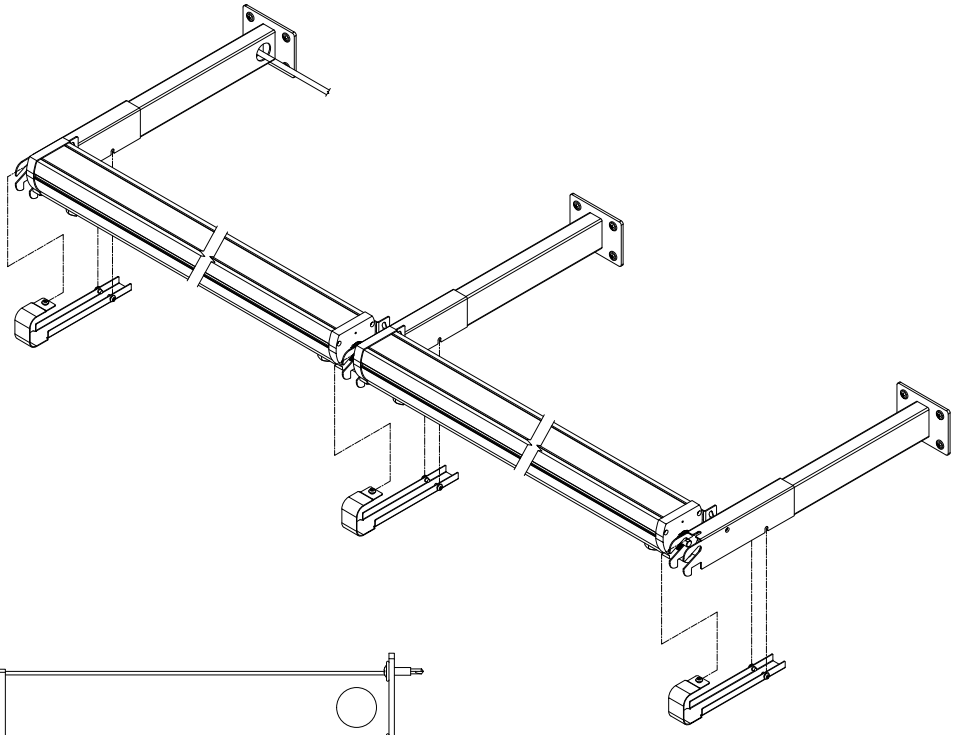
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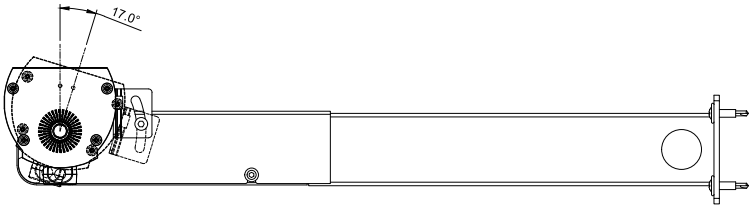
KARMA SERIES

MOUNTING

Date: .....
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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.

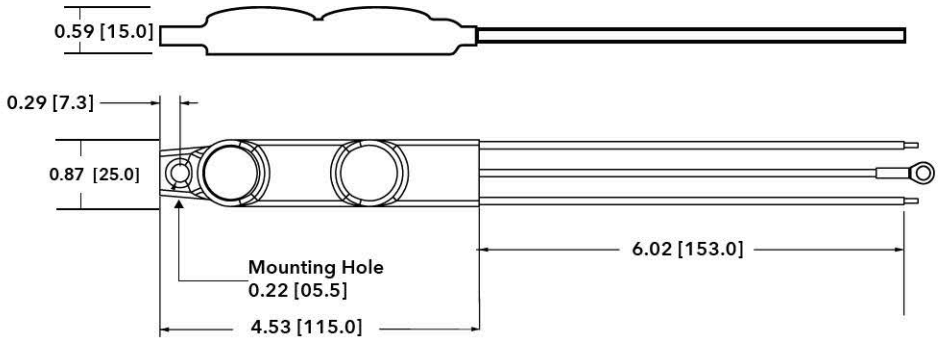
SPECIFICATIONS

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

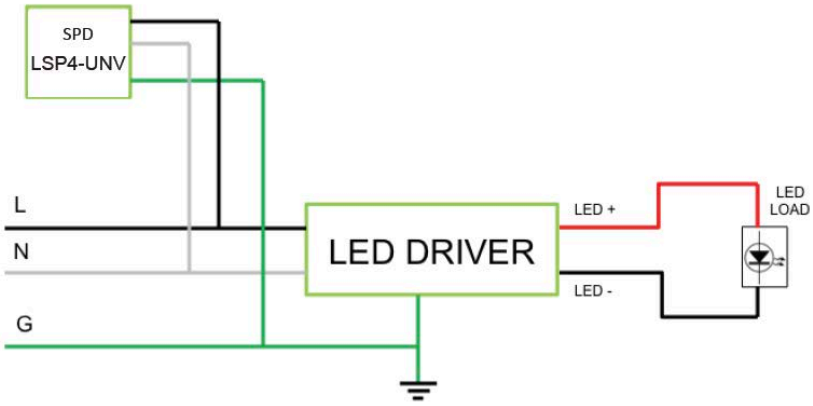
**1 strike at 20,000A*

MECHANICAL DIMENSIONS : IN (MM)





WIRING DIAGRAM



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