



MARKLINE

SURFACE DYNAMIC COLOR
WET LOCATION

HIGHLIGHTS

- Small, versatile and impactful
- Extruded aluminum construction
- RGBW - Red, Green, Blue, White produces saturated color and pastels
- 9 x 9, 15 x 30, 10 x 60, 30 x 60, 40 x 60, 60 x 60 or wall wash distributions
- Powerful Range 650 or 750 lumens per foot
- Efficient with up to 90 lumens per watt
- DMX with Remote Device Management
- Full compliment of mounting and shielding accessories
- Manufactured in USA
- IP66 rated per IEC60598
- 3G vibration rated per ANSI C136.31

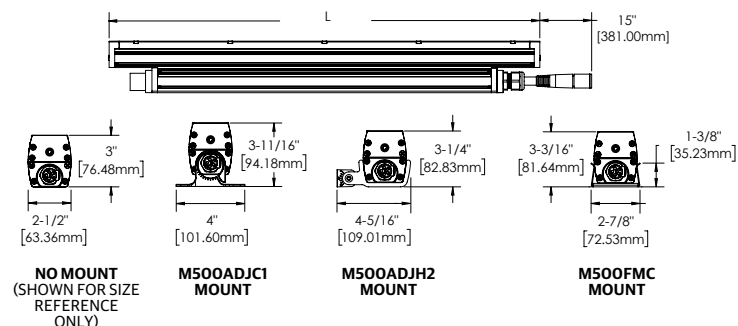
LUMEN PACKAGES

	9x9	10x60	15x30	30x60	40x60	60x60	WWD
Delivered Lumens	2087	2090	2621	2681	2483	2657	2092
Watts	37.7	37.7	29.91	29.91	29.91	29.91	29.91
LPW	55	55	88	90	83	89	70

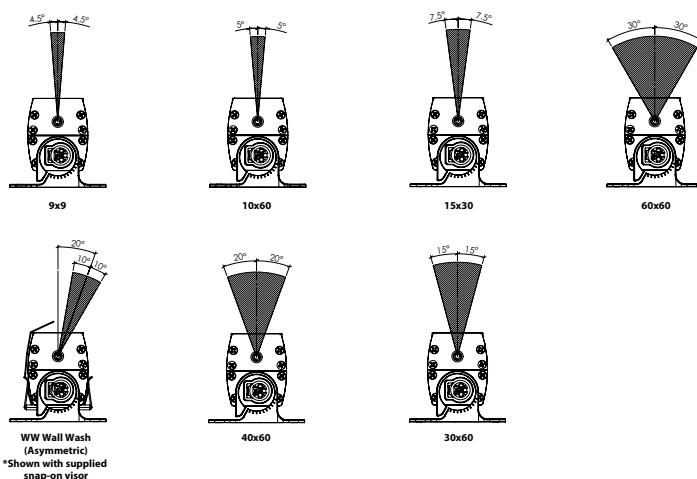
Information based on 4FT, 650 LMF

DIMENSIONS

Reference Drawing Detail section for additional information



STANDARD DISTRIBUTION



66
IP RATED



Buy American

ARCHITAINMENT
COLOR

AcuityBrands

MARKLINE
Surface Dynamic Color
Wet Location

ORDERING

Example: MKS501 LLP 40FT MSL4 M500FMC ARTC RGBW 650LMF 60X60DEG DARK MVOLT WTP DMX NOFCL WL

Series	Linear Plan	Total Run Length	Max Section Length	Mounting	Mounting Option
MKS501 MARKLINE 500 Series Surface	LLP Linear Longest Possible LCB Linear Center Balanced LSL Linear Same Length	_FT Specify continuous linear feet in 1' increments, with a minimum of 2'. (Example: 24FT)	MSL2 2' MSL3 3' MSL4 4'	M500ADJCI Adjustable Mount Center Axis M500ADJH2 Adjustable Mount Side Hinge M500FMC Fixed Mount	(blank) No Cantilever Brackets MCBT12 Cantilever Bracket 12" Projection MCBT18 Cantilever Bracket 18" Projection MCBT6 Cantilever Bracket 6" Projection MCBTL12 Cantilever Bracket Large 12" projection MCBTL18 Cantilever Bracket Large 18" projection MCBTL6 Cantilever Bracket Large 6" projection Must select M500ADJH2 Mounting.
Dynamic Feature	Dynamic Range	Direct LED Light Output	Distribution	Minimum Dimming Level	Optional Shielding
ARTC Architainment Color	RGBW Dynamic Color Red Green Blue White	650LMF 650 Nominal Lumens per Foot 750LMF 750 Nominal Lumens per Foot	10X60DEG 10 x 60 Degrees 15X30DEG 15 x 30 Degrees 30X60DEG 30 x 60 Degrees 40X60DEG 40 x 60 Degrees 60X60DEG 60 x 60 Degrees 9X9DEG 9 x 9 Degrees WW* Wall Wash (Asymmetric) *Supplied with a snap-on visor	DARK Constant Current, Dimming to <1%	(blank) No Optional Shielding MBFL Baffle Linear Surface MGVL Glare Visor Linear Surface
Voltage	Shielding	Finish	Control Input	Power Feed	Option
MVOLT 120-277 Volt	(blank) Standard Clear Acrylic FCA Frosted Clear Acrylic	WTP White Textured Paint SIT Silver Textured Paint BKT Black Textured Paint RALTB* RAL Color TBD CPF Custom Paint Finish *RALTB for pricing only. Replace with applicable RAL number when placing order.	DMX DMX	NOFCL No Power Feed Cable (order separate) MFCLW10LR 10FT Feed Cable, Right Feed, Exterior Location MFCLW25LR 25FT Feed Cable, Right Feed, Exterior Location MFCLW50LR 50FT Feed Cable, Right Feed, Exterior Location MFCLW100LR 100FT Feed Cable, Right Feed, Exterior Location	WL Wet Location

Model	Length	Weight
MKS501	25 - 1/8" (639mm)	7.5 lbs (3.40kg)
	37" (941mm)	11 lbs. (4.98kg)
	48 - 7/8" (1242mm)	13 lbs. (5.90kg)

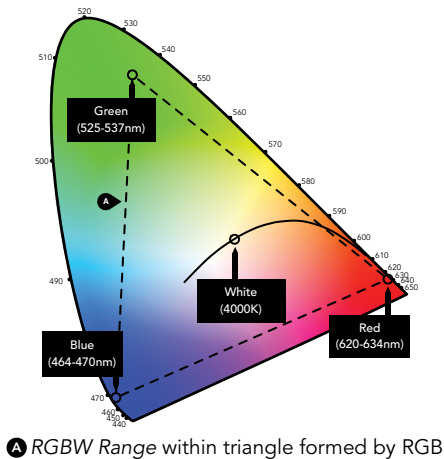
PERFORMANCE DATA

Lumens Per Foot	Fixture Length	Distribution	Delivered Lumens	Input Watts	Lumen/Watt	Delivered Lumens Per Foot	Input Watts Per Foot
650	2FT	9x9	1165	22.9	51	583	11.45
	2FT	10x60	1167	22.9	51	584	11.45
	2FT	15x30	1237	16.04	77	619	8.02
	2FT	30x60	1264	16.04	79	632	8.02
	2FT	40x60	1171	16.04	73	586	8.02
	2FT	60x60	1253	16.04	78	627	8.02
	2FT	WWD	987	16.04	62	494	8.02
	3FT	9x9	1648	32.99	50	549	11.00
	3FT	10x60	1651	32.99	50	550	11.00
	3FT	15x30	1927	22.72	85	642	7.57
	3FT	30x60	1970	22.72	87	657	7.57
	3FT	40x60	1825	22.72	80	608	7.57
	3FT	60x60	1953	22.72	86	651	7.57
	3FT	WWD	1538	22.72	68	513	7.57
	4FT	9x9	2087	37.7	55	522	9.43
	4FT	10x60	2090	37.7	55	523	9.43
	4FT	15x30	2621	29.91	88	655	7.48
	4FT	30x60	2681	29.91	90	670	7.48
	4FT	40x60	2483	29.91	83	621	7.48
	4FT	60x60	2657	29.91	89	664	7.48
	4FT	WWD	2092	29.91	70	523	7.48

Lumens Per Foot	Fixture Length	Distribution	Delivered Lumens	Input Watts	Lumen/Watt	Delivered Lumens Per Foot	Input Watts Per Foot
750	2FT	9x9	1354	28.8	47	677	14.40
	2FT	10x60	1356	28.8	47	678	14.40
	2FT	15x30	1475	19.19	77	738	9.60
	2FT	30x60	1508	19.19	79	754	9.60
	2FT	40x60	1397	19.19	73	699	9.60
	2FT	60x60	1495	19.19	78	748	9.60
	2FT	WWD	1177	19.19	61	589	9.60
	3FT	9x9	1914	41.49	46	638	13.83
	3FT	10x60	1917	41.49	46	639	13.83
	3FT	15x30	2298	27.19	85	766	9.06
	3FT	30x60	2350	27.19	86	783	9.06
	3FT	40x60	2177	27.19	80	726	9.06
	3FT	60x60	2330	27.19	86	777	9.06
	3FT	WWD	1835	27.19	67	612	9.06
	4FT	9x9	2424	47.42	51	606	11.86
	4FT	10x60	2428	47.42	51	607	11.86
	4FT	15x30	3127	35.78	87	782	8.95
	4FT	30x60	3197	35.78	89	799	8.95
	4FT	40x60	2962	35.78	83	741	8.95
	4FT	60x60	3170	35.78	89	793	8.95
	4FT	WWD	2496	35.78	70	624	8.95

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

RGBW GAMUT AND RANGE



- The Gamut of a luminaire determines the potential color range, specifically the dominant wavelength of each primary color.
- The Path determines the range of colors the user can select for the luminaire.

- ARCHITAINMENT COLOR GPHD
- Gamut Triangular
 - Path Full RGB gamut
 - Handle Four Handles: Red, Green, Blue, White
 - Data DMX512/RDM

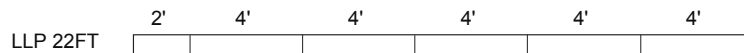
The RGBW Range reaches the full range of saturated colors and subtle pastels to create bold transformational effects.

LINEAR PLAN

Mark offers the ability to provide a continuous run plan to suit your requirements by optionally offering three methods of configuration.

LLP Longest Length Possible:

In this plan the longest length available is optimized resulting in the fewest segments and mounting locations. Caution should be used where balanced appearance is a concern. Example: 22FT row would have (5) 4FT segments and (1) 2FT segment located at one end.



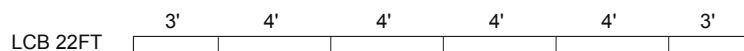
LSL Longest Same Length:

In this configuration each segment is the same length is standardized based on the longest length available and is the only option provided. Because it is dependent on one segment length there are mathematical limitations on what overall row lengths can be achieved. Example: 20FT row would be achieved with (5) 4FT long segments equaling 20FT (nominal).

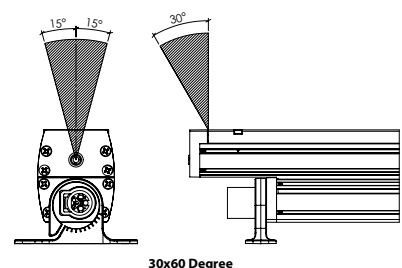
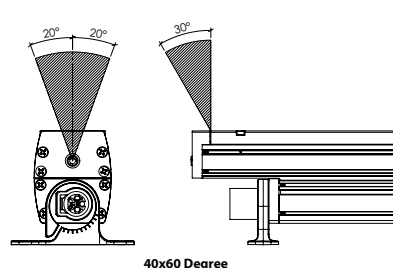
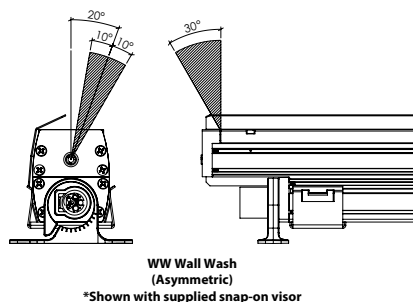
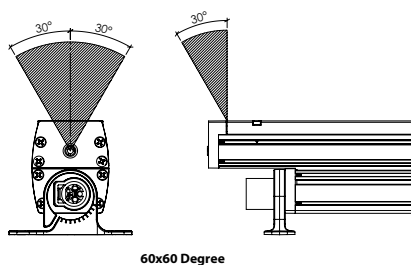
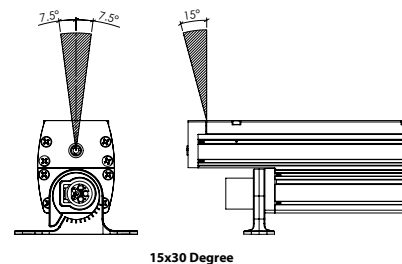
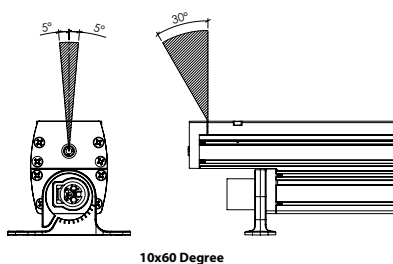
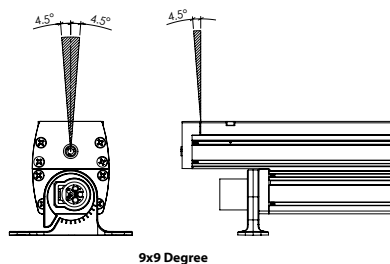


LCB Longest Center Balanced:

This configuration incorporates the longest center segment(s) along with any additional lengths required to fill located at each end. Example: 22FT row would have (2) 3FT segments (one at each end) and (4) 4FT intermediate segments located in between.

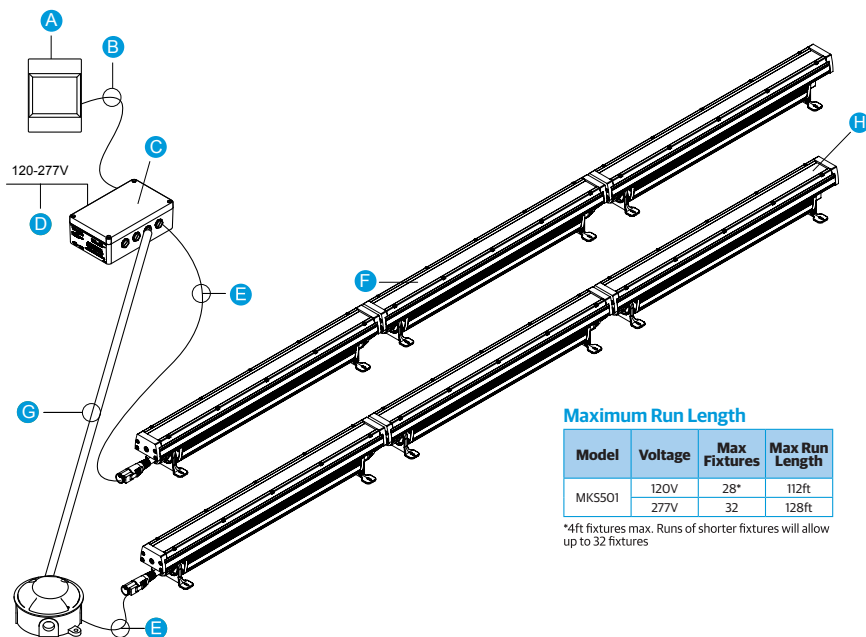


DISTRIBUTION

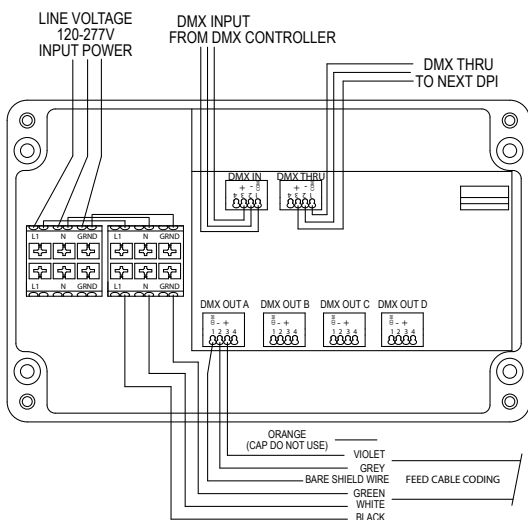


BASIC SYSTEM WIRING INFORMATION WITH DMX

This very basic system wiring diagram provides an overview of components and materials required for a simple installation of MKS501 luminaires controlled by a DMX controller. These diagrams should not be used in place of actual installation instructions or submittal drawings prepared for a specific project.



Power & DMX Connection in DPI Box



A dynamic luminaire installation can be as simple as a single luminaire and one control to many different luminaires in multiple locations being triggered and manipulated in real time. Consulting with the factory at the beginning stages of the project will ensure the required equipment be specified and properly installed.

Note: For multiple runs and multiple DPI boxes, consult factory.

Note: No more than four DPI Boxes, in series, can be utilized between the DMX Controller and any luminaire.

A DMX controller providing one universe of DMX-512 control.

To supply a complete system RDM set-up and playback control solution, use:

Easy!

- Three versions available from entry-level to show creation using computer software
- Full color LCD touchscreen
- Recall colors, shows, and effects with one touch

Fresco

- Manage multiple light sources in multiple lighting zones, all from one controller
- On screen lighting design and set-up, no computer required or Ethernet connection for remote configuration and advanced control
- All device settings are stored on-board in non-volatile memory

B Belden 9829 cable is the preferred communication/data cable used to carry the DMX signal to and from the DPI Box. The total length of this cable must not exceed 1000 feet from the DMX controller to the DPI Box. No luminaires should be installed between DMX Controller and any DPI Box.

C DPI box (Data Power Integration) is used to bundle DMX to line voltage and deliver them to the luminaire. This box provides necessary isolation between the DMX control and line voltage and is required for all MKS501 installations. The DPI box also serves as a 4-channel splitter enabling up to 128 fixtures to be controlled from a single DPI box. Refer to DPI Installation Sheet for dimensions and mounting details.

D 120V-277V input to DPI box. Metallic conduit and standard fittings are compatible as are multi-conductor cords provided they are appropriate to the mounting location.

E Feed cable connects junction box with first fixture in a run. 14 ga. conductors carry power, shielded 18 ga. conductors carry data. Input end is stripped for connection to the Junction or DPI box, output end includes a male or female plug for fixture connection. Also included with each feed cable is a termination/sealing cap for the end of each run. Contact factory for availability of custom feed cable lengths.

F A maximum of 32 luminaires can be connected to a single output channel of the DPI box. The maximum length of cord and luminaire run combined is 1000 feet per DMX/RDM specification.

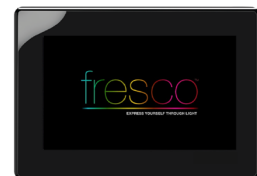
G Power and Data can be run to junction box locations in rigid conduit. Use Belden 9829 for data and copper wire per local code for power. Use appropriate fitting for combination cord.

H To ensure data integrity, a termination/sealing cap with 120 Ohm resistor is required at the last luminaire in each run. See installation instructions.

Easy! Controller



Fresco Control System



ACCESSORY OPTIONS

Fresco Control System

Series	Model	Options	Finish
FCS Fresco Control System	7TSN 7" touchscreen with nLight port	(blank) nlight only X DMX/RDM control	DBL Black DWH White DNA Natural Aluminum



Refer to [FRESKO](#) spec sheet for additional details and options

Easy!™ LED Show Controller with LCD touchscreen (integral power supply)

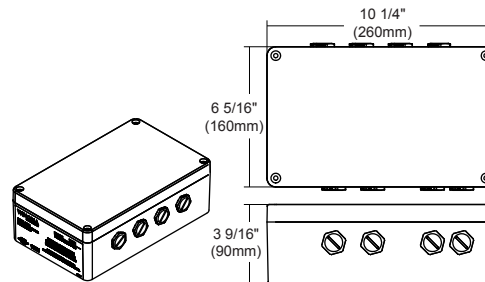
Series	Voltage	Finish
EZSOLO Easy! Solo	MVOLT 120V-277V VAC, 50/60 Hz	BK Black
EZTOUCH Easy! Touch		WH White
EZPRO Easy! Pro		



Refer to [EASYL](#) spec sheet for additional details and options

DMX / Power Integrator

Model
MDPI4W DPI4W- DMX/POWER INTEGRATOR BOX



Integrates DMX signal & 120-277 line voltage onto a single cable. Exterior rated, up to 4 output feeds, Silver Textured Finish.

Environmental Information

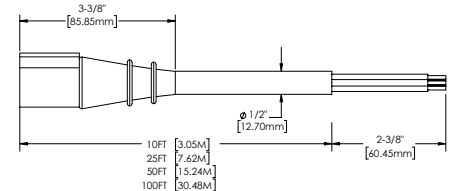
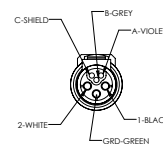
Storage Temperature	40° F - 185° F
Start-up Temperature	13° F - 122° F
Operating Temperature	13° F - 122° F
Ingress Protection Rating	IP65
Environment	Suitable for indoor and outdoor applications

Feed Cable, Right Feed (Female Plug), Exterior (Linear)

*Minimum of one feed cable, right, required per installation

Model

MFCLW10LR BCRD DXP	10FT Feed Cable w/ Sealing Cap, Right Feed, Exterior Location (Black)
MFCLW25LR BCRD DXP	25FT Feed Cable w/ Sealing Cap, Right Feed, Exterior Location (Black)
MFCLW50LR BCRD DXP	50FT Feed Cable w/ Sealing Cap, Right Feed, Exterior Location (Black)
MFCLW100LR BCRD DXP	100FT Feed Cable w/ Sealing Cap, Right Feed, Exterior Location (Black)



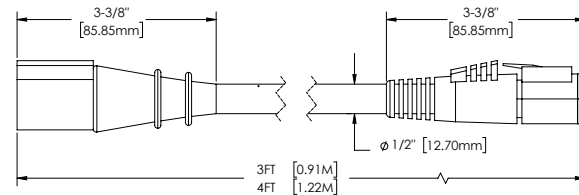
Carries DMX signal and 120-277 line voltage power to right end of first fixture in run. Supplied with termination/sealing cap. *Use one feed cable per run only.*

ACCESSORY OPTIONS (CONTINUED)

Jumper Cable *Optional*

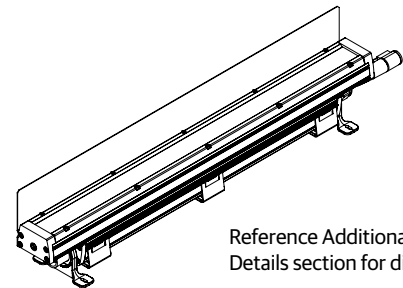
Model	
MJCLW3L BCRD	3FT Jumper Cable Exterior Location (Black)
MJCLW4L BCRD	4FT Jumper Cable Exterior Location (Black)

Standard fixture is supplied with 15" cable to connect from one fixture to the next in a continuous run application. If a larger gap between fixtures is required, an optional jumper cable can be ordered separately. Cable carries DMX or NON-DMX signal and 120-277 line voltage power between two units in a run.



Glare Visor (Linear) *Optional*

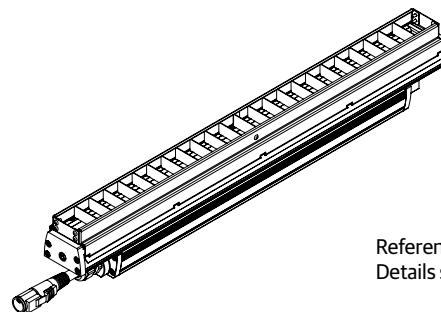
Model	Fixture Section	Finish	Option
MGVL5 Glare Visor Linear Surface	U2 2FT Length Unit	BKT Black Textured Paint	WL Wet Location
	U3 3FT Length Unit	SIT Silver Textured Paint	
	U4 4FT Length Unit	WTP White Textured Paint	
		RALTBD RAL Paint Finish	
		CPF Custom Painted Finish	



Reference Additional Accessory Details section for dimensions

Baffle (Linear) *Optional*

Model	Fixture Section	Option
MBFL5 Baffle Linear Surface (Available in matte black finish only)	U2 2FT Length Unit	WL Wet Location
	U3 3FT Length Unit	
	U4 4FT Length Unit	



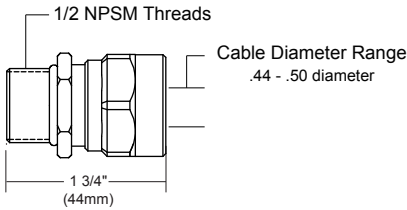
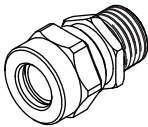
Reference Additional Accessory Details section for dimensions

ACCESSORY OPTIONS (CONTINUED)

Liquid-Tight Cord Grip

Model

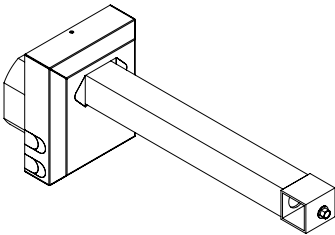
MCORDGP2 Liquid-Tight Cord Grip
(Use to secure and seal feed cord to DPI Box)



Connector to secures and seal feed cord.

Brackets *Optional*

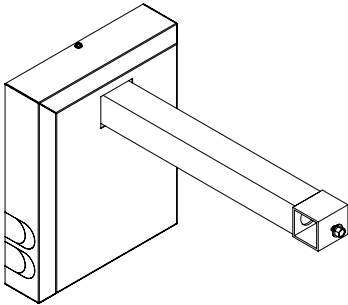
Series	Finish
MCBT6	Cantilever Bracket 6" Projection
MCBT12	Cantilever Bracket 12" Projection
MCBT18	Cantilever Bracket 18" Projection
BKT	Black Textured Paint
SIT	Silver Textured Paint
WTP	White Textured Paint
RALTB	RAL Paint Finish
CPF	Custom Painted Finish



Reference Additional Accessory Details section for dimensions

Brackets *Optional*

Series	Finish
MCBTL6	Cantilever Bracket Large 6" Projection
MCBTL12	Cantilever Bracket Large 12" Projection
MCBTL18	Cantilever Bracket Large 18" Projection
BKT	Black Textured Paint
SIT	Silver Textured Paint
WTP	White Textured Paint
RALTB	RAL Paint Finish
CPF	Custom Painted Finish

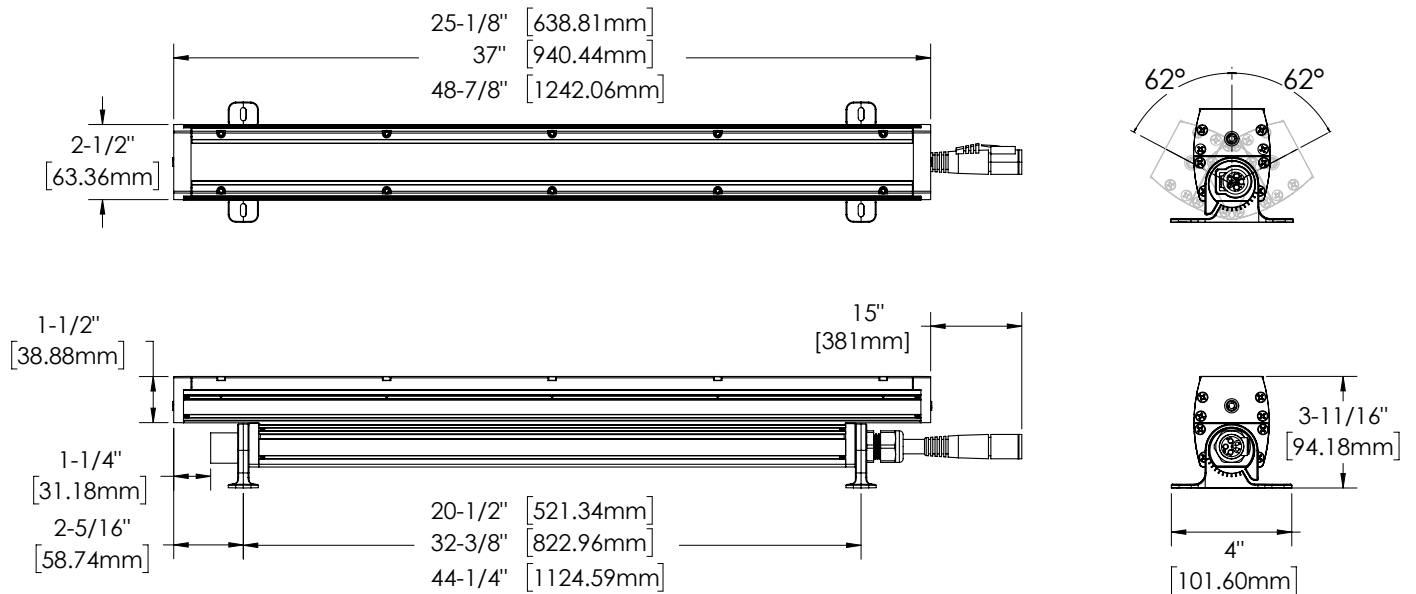


For use with surface mount junction box (by others) and surface mounted conduit (by others).

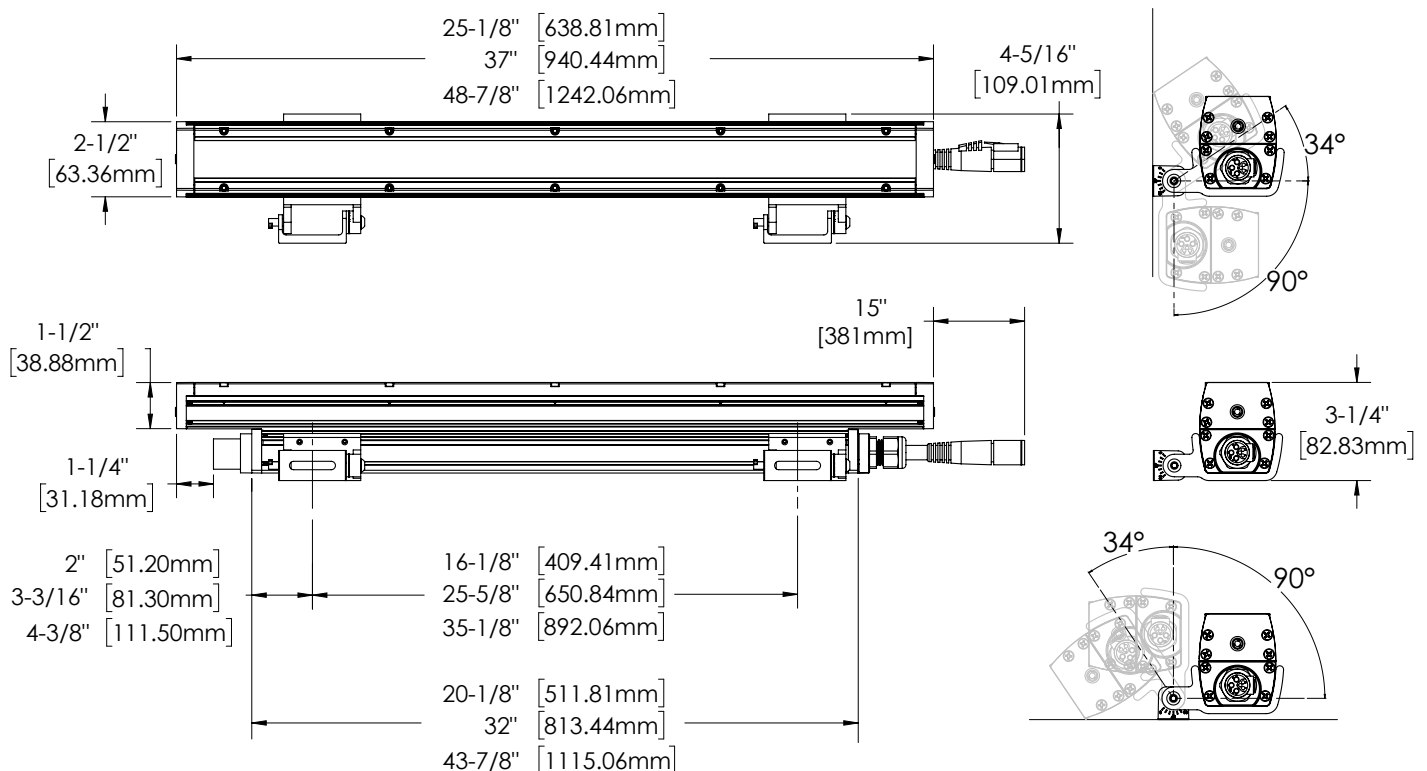
Reference Additional Accessory Details section for dimensions

DRAWING DETAILS

M500ADJC1 - Adjustable Mount Center Axis

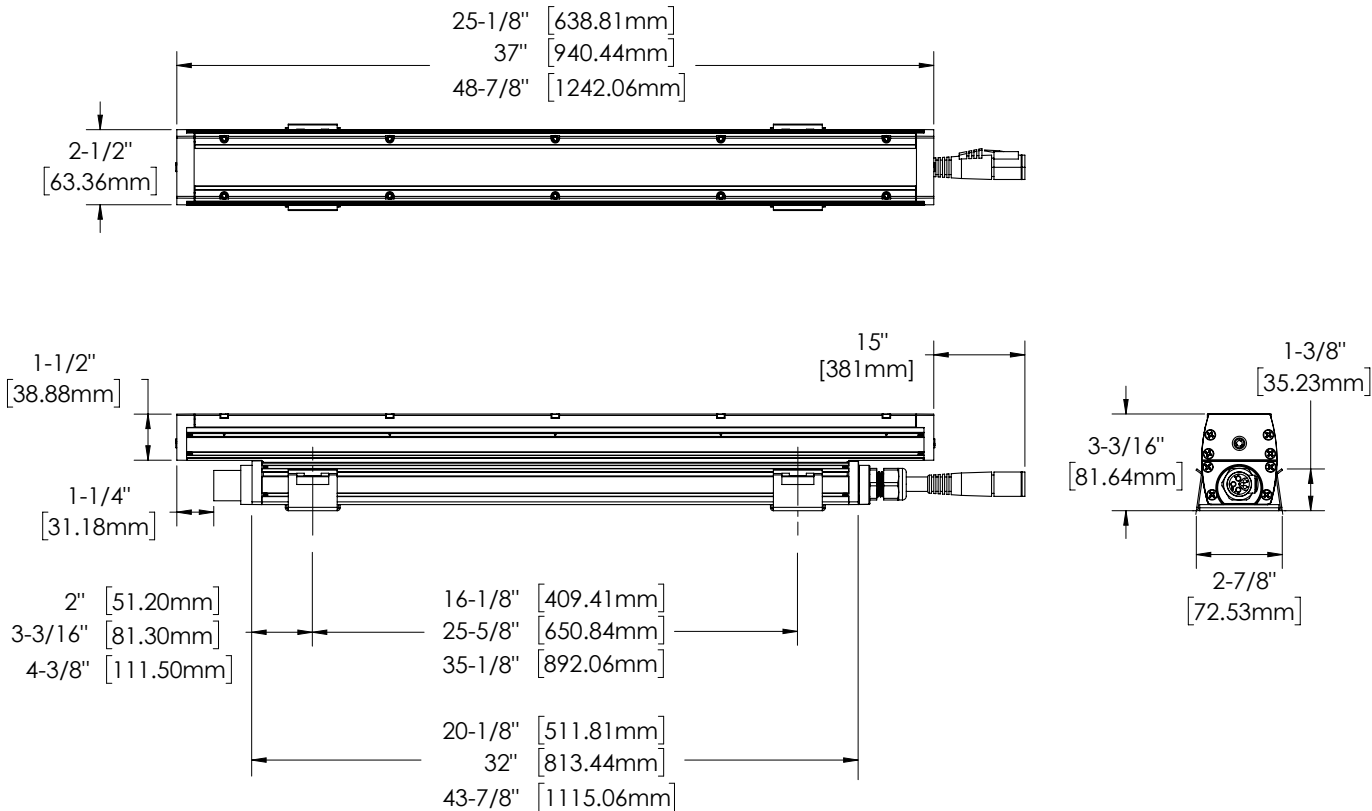


M500ADJH2 - Adjustable Mount Side Hinge



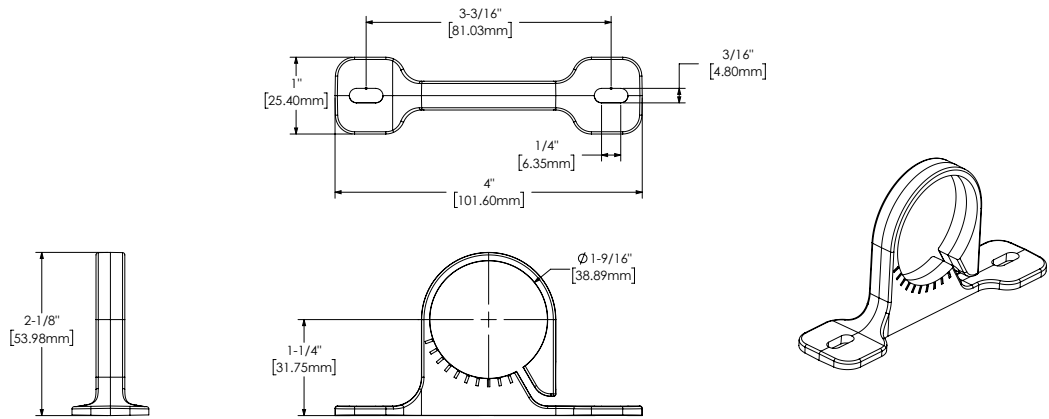
DRAWING DETAILS (CONTINUED)

M500FMC - Fixed Mount

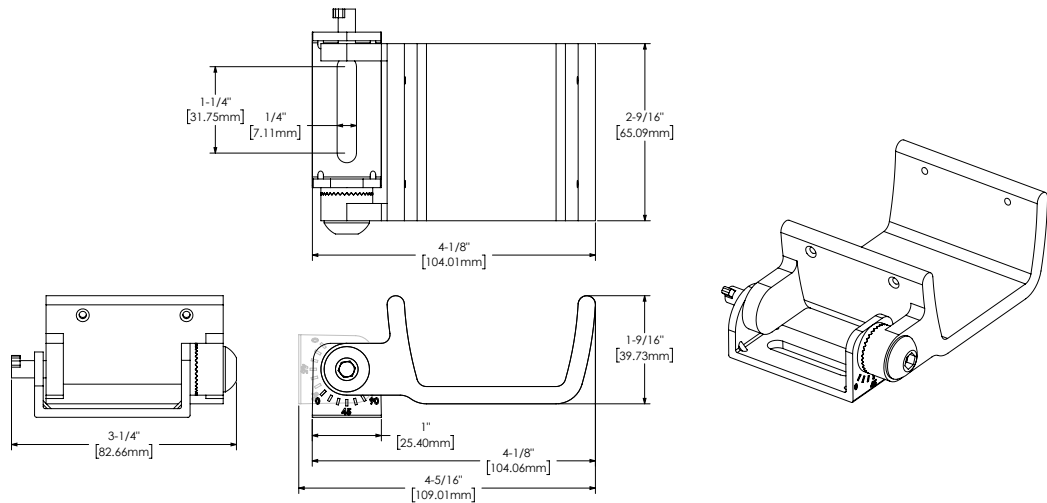


DRAWING DETAILS (CONTINUED)

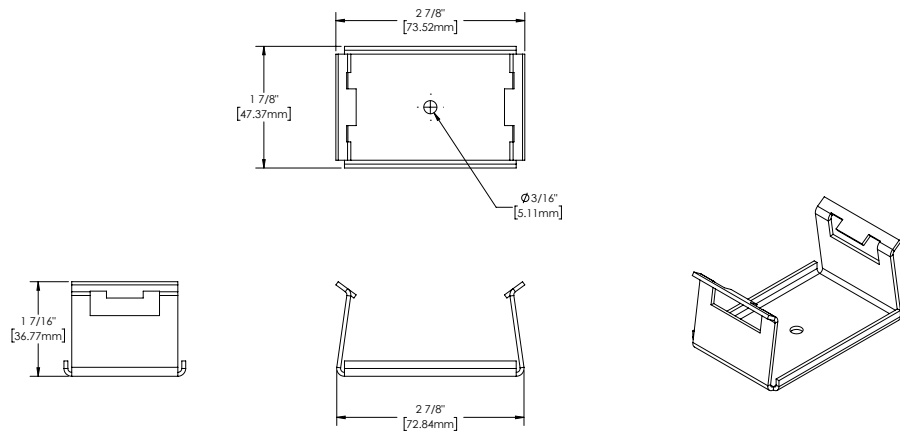
M500ADJC1 - Adjustable Mount Center Axis Detail



M500ADJH2 - Adjustable Mount Side Hinge Detail



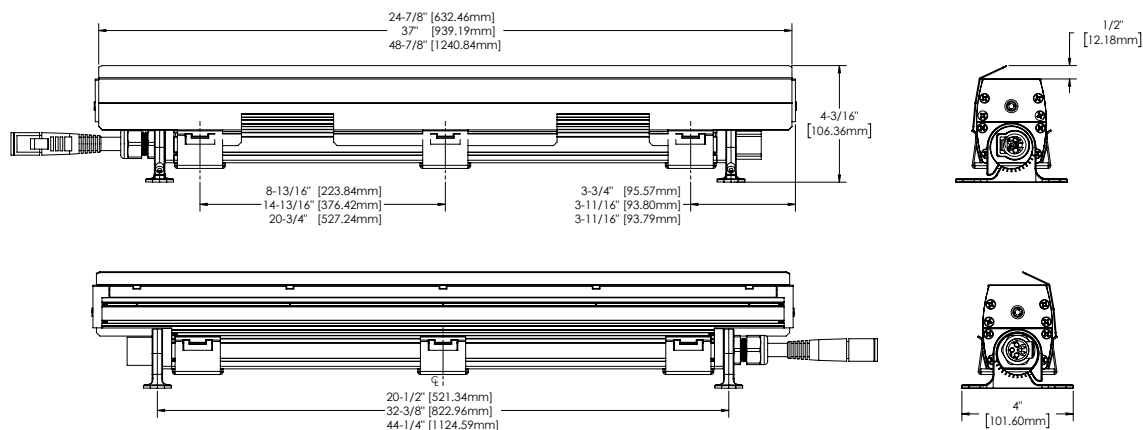
M500FMC - Fixed Mount Detail



DRAWING DETAILS (CONTINUED)

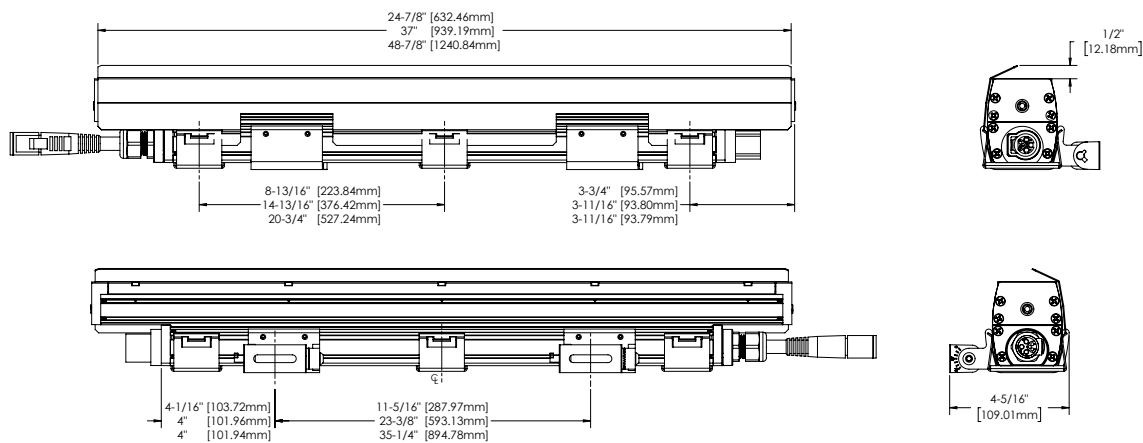
WW Asymmetric Glare Visor with M500ADJC1 Mount

Automatically included when WW distribution is ordered.



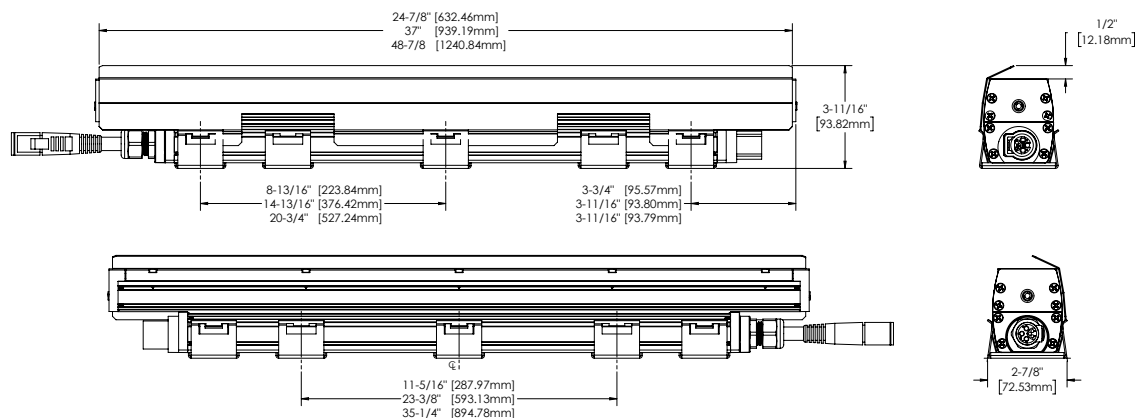
WW Asymmetric Glare Visor with M500ADJH2 Mount

Automatically included when WW distribution is ordered.



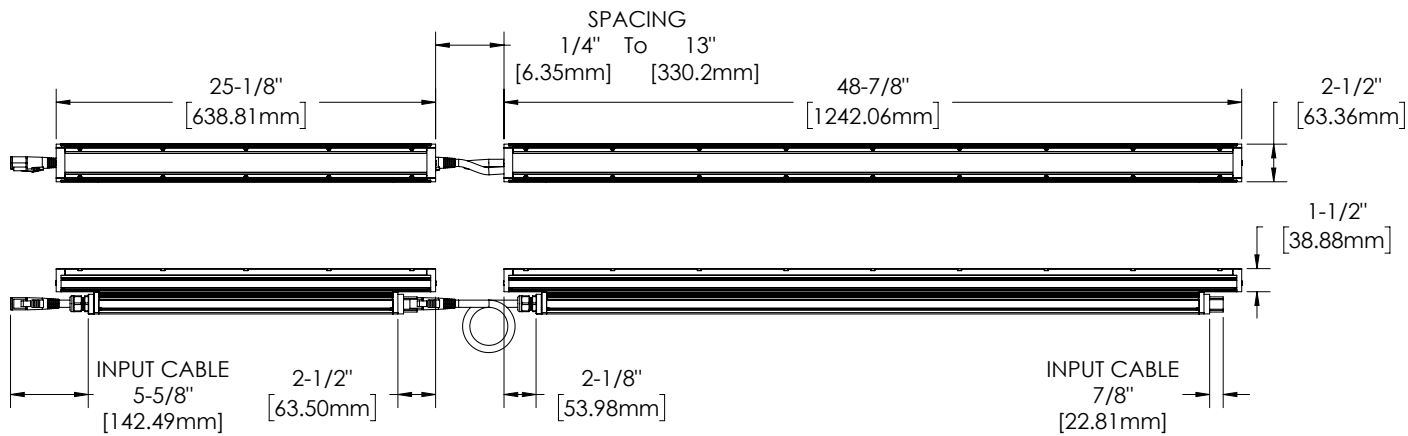
WW Asymmetric Glare Visor with M500FMC Mount

Automatically included when WW distribution is ordered.



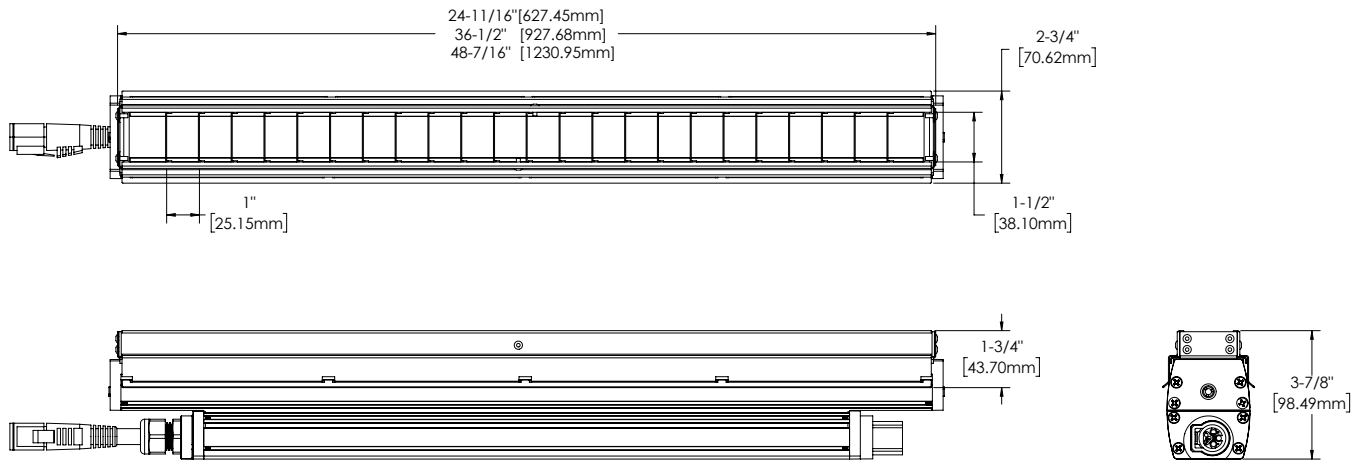
DRAWING DETAILS (CONTINUED)

MKS501 Series Typical End-To-End Run Configuration



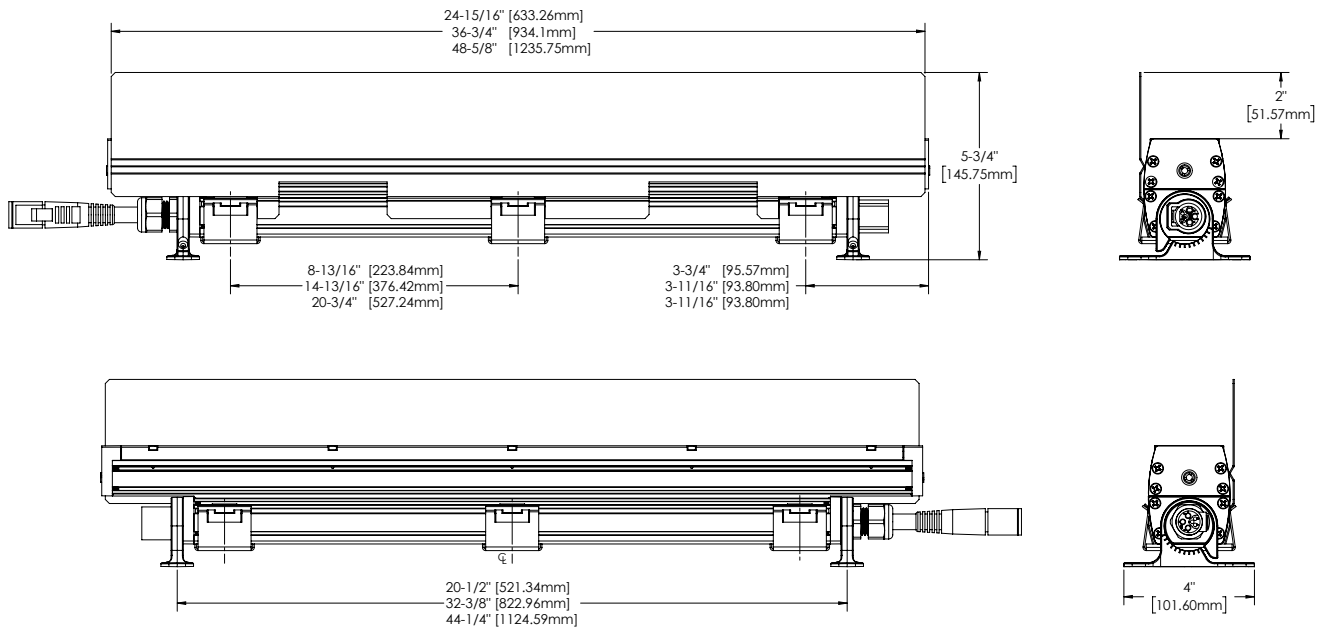
ADDITIONAL ACCESSORY DETAILS

Baffle Linear Surface

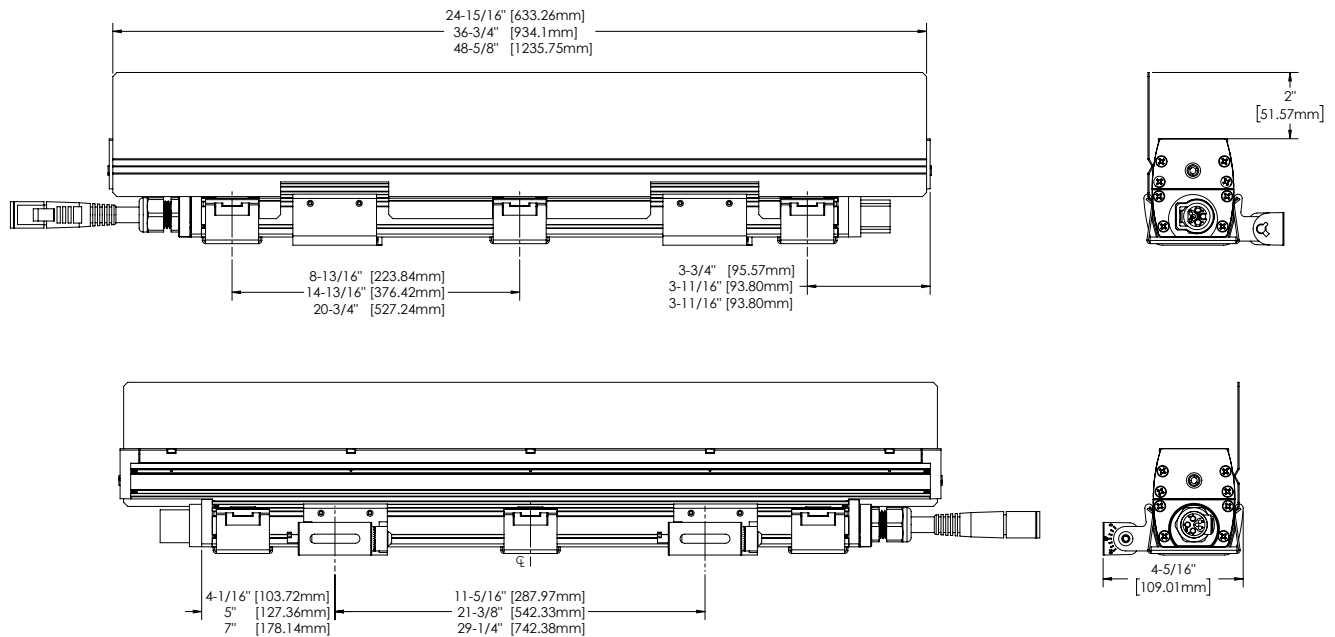


ADDITIONAL ACCESSORY DETAILS (CONTINUED)

Glare Visor with M500ADJC1 Mount

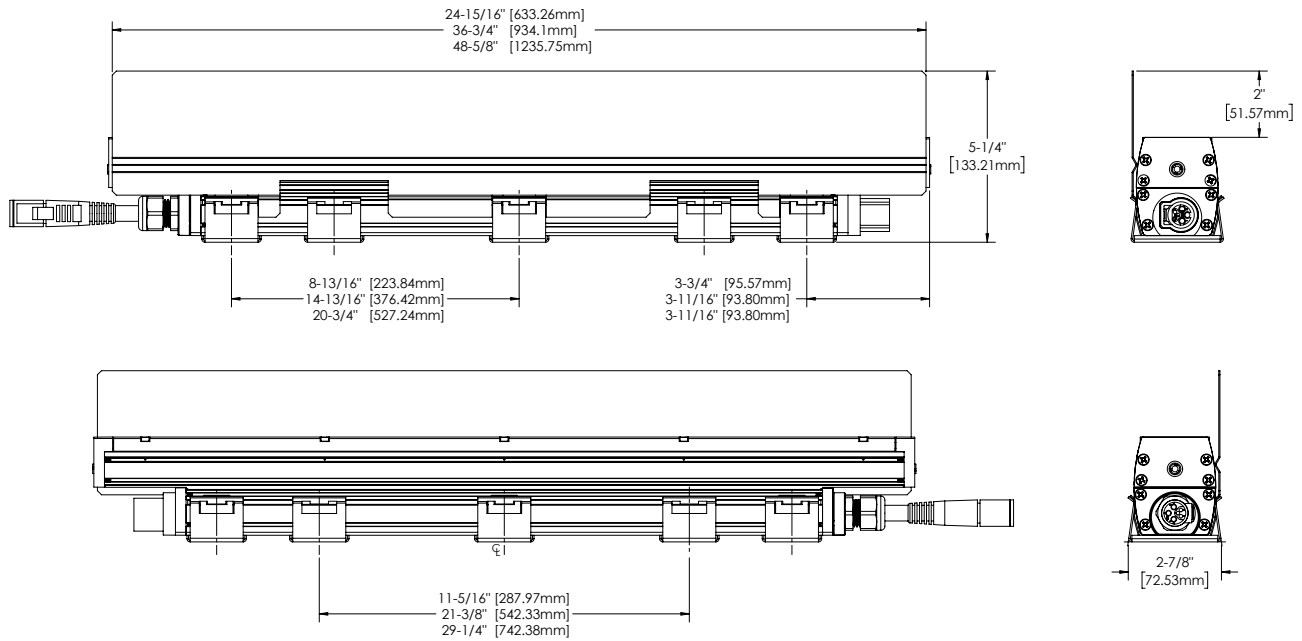


Glare Visor with M500ADJH2 Mount

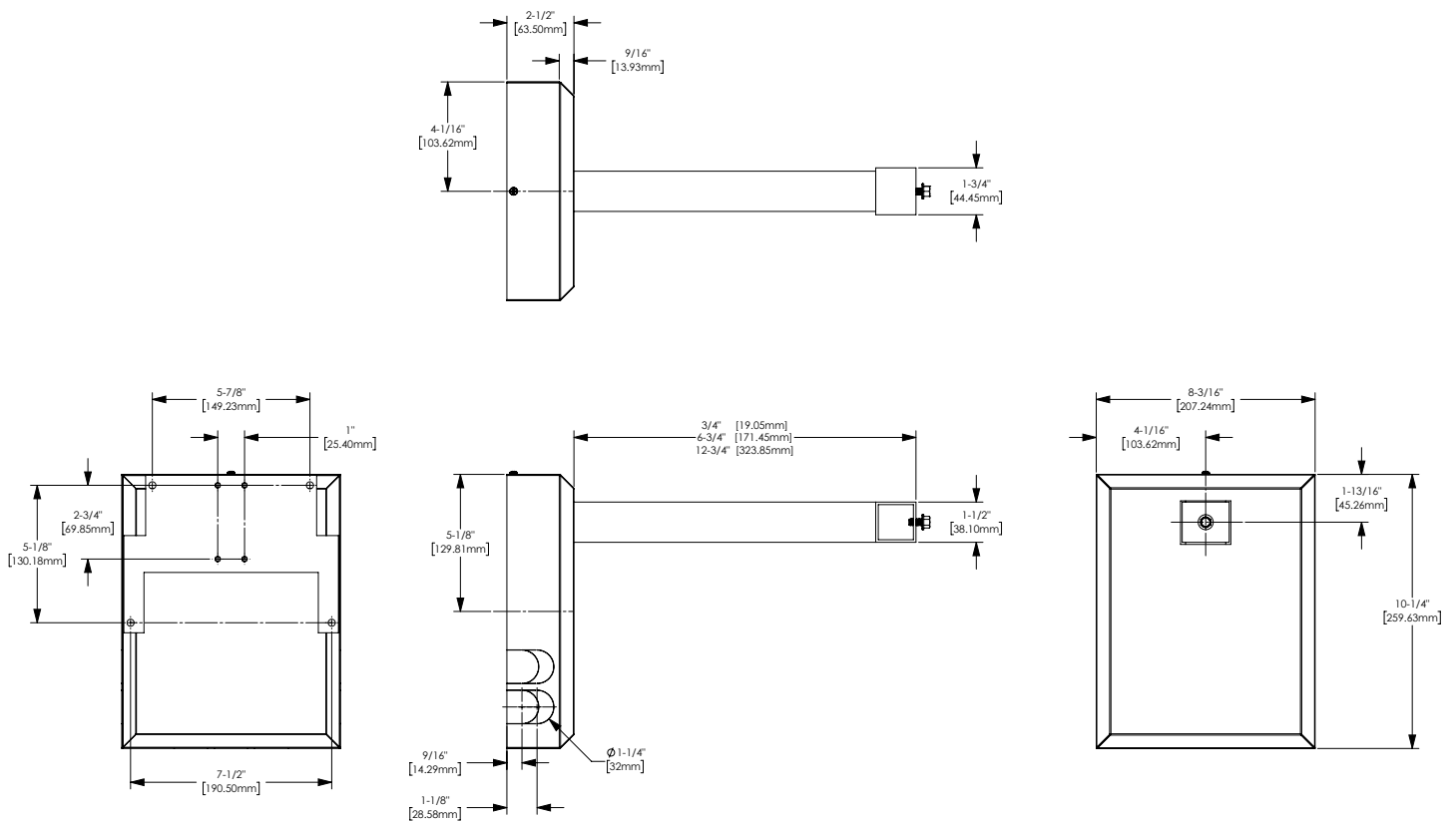


ADDITIONAL ACCESSORY DETAILS (CONTINUED)

Glare Visor with M500FMC Mount

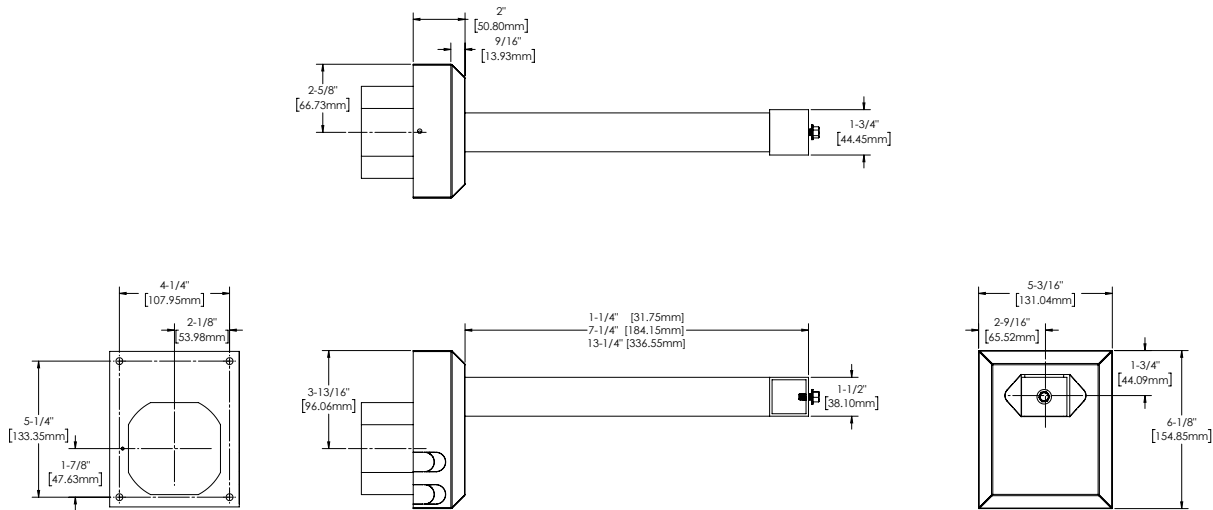


Cantilever Bracket Large Detail

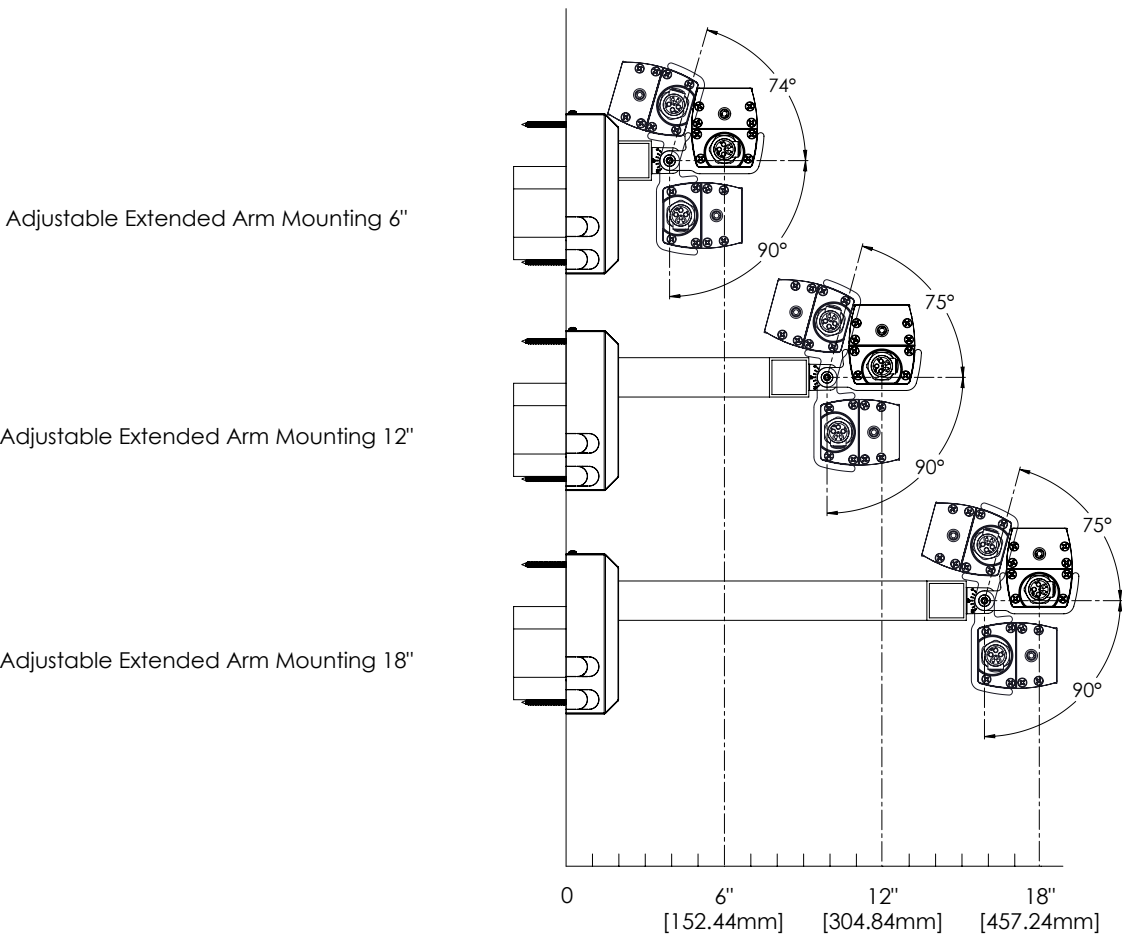


ADDITIONAL ACCESSORY DETAILS (CONTINUED)

Cantilever Bracket Detail

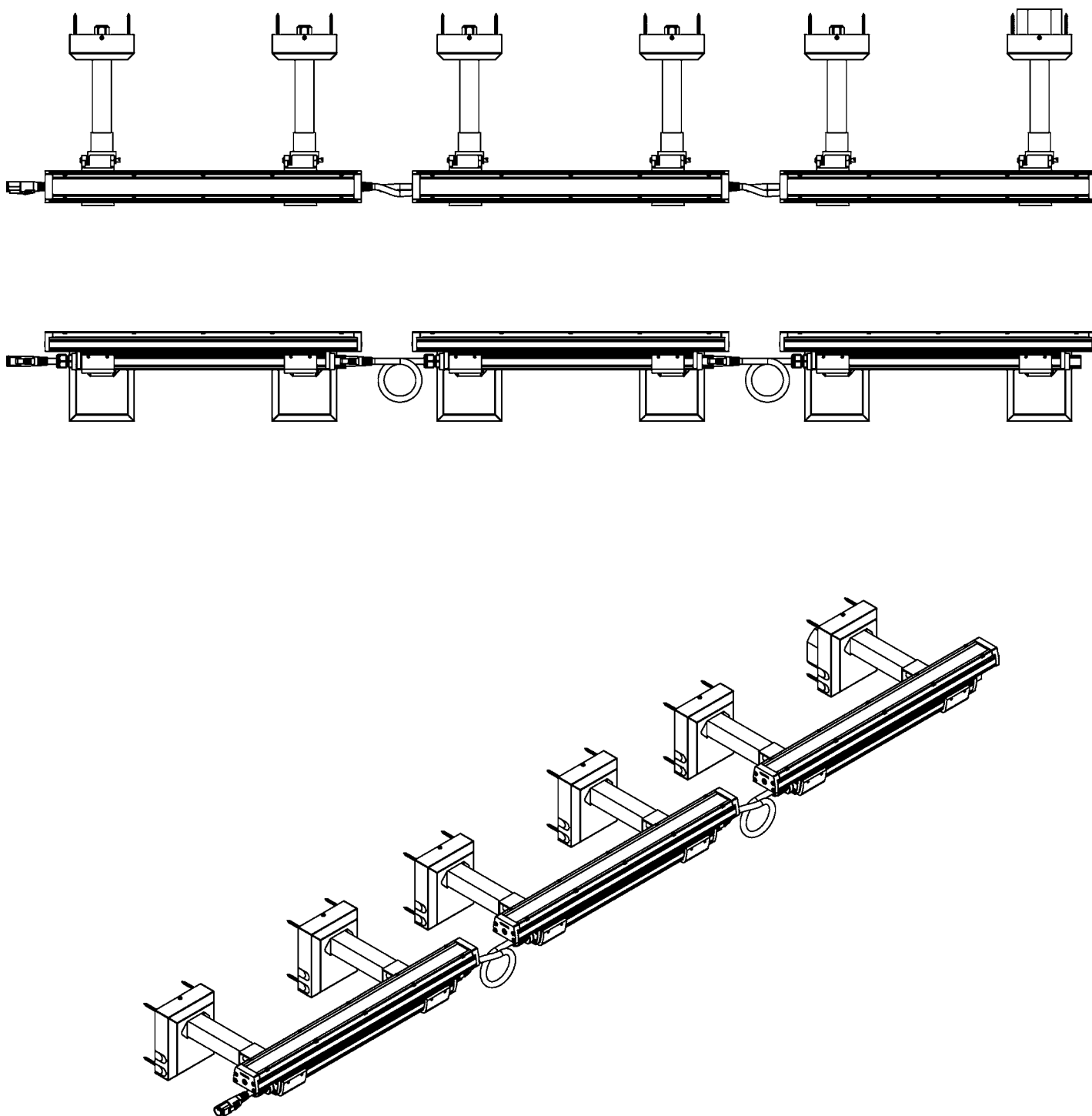


Cantilever Bracket Detail with M500ADJH2 and Fixture



ADDITIONAL ACCESSORY DETAILS (CONTINUED)

**MKS501 Series Typical End-To-End Run Configuration with Cantilever Brackets
(Showing 6-foot run of (3) 2-foot units with MCBT12 bracket accessory)**



SPECIFICATIONS

Voltage: 120 through 277v/50-60Hz.

Distribution: 9° x 9°, 10° x 60°, 15° x 30°, 30° x 60°, 40° x 60°, 60° x 60°, Asymmetric Wall Wash

Size: 2.50 W x 3.00 H

Housing: Extruded aluminum snap together construction

Finish: Polyester powder coat painted finish. Black oxide fastener color with BKT finish and natural stainless steel fastener color with WTP & SIT finishes

Lens Material: Extruded acrylic

Lumen Maintenance: (9° x 9°, 10° x 60°): 60,000 hours L70 @ +120deg C (15° x 30°, 30° x 60°, 40° x 60°, 60° x 60°, WWD): 120,000 hours L70@ +55deg C

LED Color Mix: 12 LEDs per 12 inches in a 1:1 ratio (1xRed, 1xGreen, 1xBlue, 1xWhite)

Lumiled Color Wavelengths: RED (620-634nm), GREEN (525-537nm), BLUE (464-470nm), WHITE (4000K)

Control System: Easyl or Fresco DMX512 controller

Ingress Protection Rating: IP66 rated per IEC60598

Vibration: 3G vibration rated per ANSI 136.31

Ambient Temperature Ranges: -40° to +45°C

Mounting: Suitable for mounting within the space between ground and 4FT (1.2M) of the ground. Suitable for outdoor wet location applications.

Certification/Compliance: CSA Certified to meet U.S. and Canadian standards conforming to UL 1598 and CAN/CSA C22.2 No. 250.0

Weight: 24" - 7.5 lbs (3.40 kg) / 36" - 11 lbs (4.98 kg) / 48" - 13 lbs (5.90 kg)

Buy American: This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FARS, DFARS and DOT. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

Warranty: 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

Assembled in America: Buy American Act Compliant