



# MARKCOVE

LINEAR COVE  
TUNABLE WHITE & WARM DIMMING

## HIGHLIGHTS

- Low profile extruded aluminum housing
- Wide 120 x 120 distribution
- Tunable White available in Rhythm Range (2700-6500K) or Layers Range (2200-5000K) incorporate warm-neutral-cool LEDs
- Warm Dimming Golden Range from (3000-2200K)
- Wide and Powerful Range 300, 450, 600, 750 or 1000 lumens per foot
- Efficient with up to 111 lumens per watt
- DXM with Remote Device Management
- Full compliment of mounting and shielding accessories
- Manufactured in USA

## LUMEN OUTPUT

MCV502 TUWH RHYP					
Nominal Lumens	300LMF	450LMF	600LMF	750LMF	1000LMF
Delivered Lumens	354	535	669	847	977
Input Watts	2.63	3.88	4.88	6.25	7.25
Lumens/Watt	135	138	137	136	135

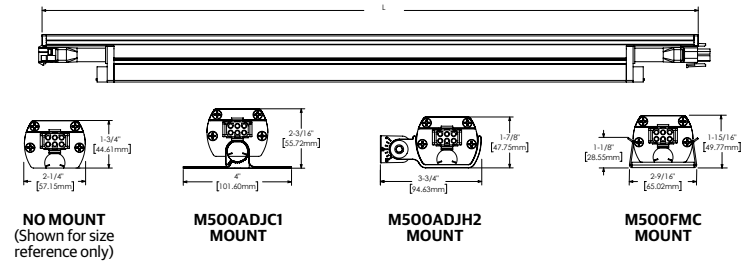
\*Based on a 4FT, 80CRI, 40K, RHYP fixture with a standard 120x120 distribution

MCV502 WDIM GOLR					
Nominal Lumens	300LMF	450LMF	600LMF	750LMF	1000LMF
Delivered Lumens	354	535	669	847	977
Input Watts	2.63	3.88	4.88	6.25	7.25
Lumens/Watt	135	138	137	136	135

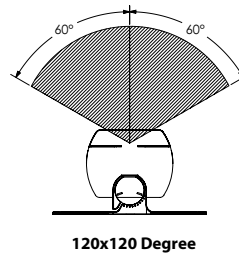
\*Based on a 4FT, 80CRI, 40K, GOLR fixture with a standard 120x120 distribution

## DIMENSIONS

Reference Drawing Detail section for additional information



## STANDARD DISTRIBUTION



TUNABLE WHITE



WARMDIM



eldoLED



Buy American

AcuityBrands

Linear Cove  
Tunable White & Warm Dimming

**ORDERING**

Example: MCV502 LLP 20FT MSL4 M500FMC 90CRI TUWH RHYP 1000LMF 120X120DEG DARK MVOLT SIT DMX MFCL10TL

Series	Linear Plan	Total Run Length	Max Section Length	Mounting	Mounting Option
<b>MCV502</b> MARKCOVE 502	<b>LLP</b> Linear Longest Possible <b>LSL</b> Linear Same Length <b>LCB</b> Linear Center Balance	<b>_FT</b> Specify continuous linear feet in 1' increments, with a minimum of 2'. (Example: 24FT)	<b>MSL2</b> 2' <b>MSL3</b> 3' <b>MSL4</b> 4'	<b>M500ADJCI</b> Adjustable Mount Center Axis <b>M500ADJH2</b> Adjustable Mount Side Hinge <b>M500FMC</b> Fixed Mount	<b>(blank)</b> No Cantilever option <b>MCBT6</b> Cantilever Bracket 6" Projection <b>MCBT12</b> Cantilever Bracket 12" Projection <b>MCBT18</b> Cantilever Bracket 18" Projection <b>MCBTL6</b> Cantilever Bracket Large 6" projection <b>MCBTL12</b> Cantilever Bracket Large 12" projection <b>MCBTL18</b> Cantilever Bracket Large 18" projection Must have M500ADJH2 Mounting selected.

Direct Light Source Color Rendering	Dynamic Feature	Dynamic Range	Direct LED Light Output	Distribution	Minimum Dimming Level
<b>80CRI</b> 80CRI <b>90CRI*</b> 90CRI *Not available with LAYR	<b>TUWH*</b> Tunable White <b>WDIM**</b> Warm Dimming *Available with LAYR & RHYP. **Available with GOLR.	<b>GOLR</b> Golden Range (2200K-3000K) <b>LAYR</b> Layers Range (2200K-5000K) <b>RHYP</b> Rhythm Range (2700K-6500K)	<b>300LMF</b> 300 Nominal Lumens per Foot <b>450LMF</b> 450 Nominal Lumens per Foot <b>600LMF</b> 600 Nominal Lumens per Foot <b>750LMF</b> 750 Nominal Lumens per Foot <b>1000LMF</b> 1000 Nominal Lumens per Foot	<b>120X120DEG</b> 120 x 120 degrees	<b>DARK</b> Constant Current, Dimming to <1%

Optional Shielding	Voltage	Finish	Control Input	Power Feed
<b>(blank)</b> No Shielding <b>MBFC</b> Baffle Linear Cove (Matte black finish) <b>MGVC</b> Glare Visor linear Cove (Finish to match housing)	<b>MVOLT</b> 120-277 Volt	<b>WTP</b> White Textured Paint <b>SIT</b> Silver Textured Paint <b>BKT</b> Black Textured Paint <b>RALTBD</b> RAL Color TBD <b>CPF</b> Custom Paint Finish RALTBD is for pricing only. Replace with applicable RAL number when placing order.	<b>ZT*</b> 0-10V <b>DMX**</b> DMX *For use with WDIM **For use with TUWH	<b>M500WBXL</b> Wire Splice Box, Left Feed, Interior Location, for Conduit Termination <b>M500WBXR</b> Wire Splice Box, Right Feed, Interior Location, for Conduit Termination <b>MFCL100TL</b> 100FT Feed Cable Interior Location Left Feed <b>MFCL100TR</b> 100FT Feed Cable Interior Location Right Feed <b>MFCL10TL</b> 10FT Feed Cable Interior Location Left Feed <b>MFCL10TR</b> 10FT Feed Cable Interior Location Right Feed <b>MFCL25TL</b> 25FT Feed Cable Interior Location Left Feed <b>MFCL25TR</b> 25FT Feed Cable Interior Location Right Feed <b>MFCL50TL</b> 50FT Feed Cable Interior Location Left Feed <b>MFCL50TR</b> 50FT Feed Cable Interior Location Right Feed <b>NOFCL</b> No Power Feed Cable

Accessories	
Controller (Fresco Control System)	See page 8
DMX-Power Integrator (required for installation)	See page 8
Feed Cable (required for installation)	See page 8-10
Jumper Cable	See page 10
Wire Splice Box	See page 11
Liquid-Tight Cord Grip	See page 12
Glare Visor	See page 12
Baffle	See page 12
Brackets	See page 12

Model	Length	Weight
MCV502	24-1/4" (616 mm)	3.0 lbs (1.36 kg)
	36-1/8" (918 mm)	3.5 lbs (1.59 kg)
	48" (1219 mm)	4.5 lbs (2.04 kg)

**PERFORMANCE DATA**

**Tunable White RHYR Range**

Lumens Per Foot	Fixture Length	Distribution	CCT/CRI 2700K/80	Input Watts 2700K/80	Delivered Lumens Per Foot	Input Watts Per Foot	CCT/CRI 4000K/80	Input Watts 4000K/80	Delivered Lumens Per Foot	Input Watts Per Foot	CCT/CRI 6500K/80	Input Watts 6500K/80	Delivered Lumens Per Foot	Input Watts Per Foot
300	2FT	120x120	655	8.99	328	4.50	756	8.23	378	4.12	819	7.8	410	3.90
	3FT	120x120	922	13.06	307	4.35	1065	11.95	355	3.98	1153	11.34	384	3.78
	4FT	120x120	1252	17.39	313	4.35	1446	15.91	362	3.98	1566	15.09	392	3.77
450	2FT	120x120	789	16.46	395	8.23	911	15.06	456	7.53	987	14.29	494	7.15
	3FT	120x120	1110	23.92	370	7.97	1282	21.89	427	7.30	1388	20.76	463	6.92
	4FT	120x120	1509	31.84	377	7.96	1742	29.13	436	7.28	1886	27.63	472	6.91
600	2FT	120x120	959	13.03	480	6.52	1107	11.92	554	5.96	1199	11.31	600	5.66
	3FT	120x120	1350	18.93	450	6.31	1559	17.32	520	5.77	1688	16.43	563	5.48
	4FT	120x120	1834	25.2	459	6.30	2117	23.06	529	5.77	2293	21.87	573	5.47
750	2FT	120x120	1142	16.64	571	8.32	1319	15.23	660	7.62	1428	14.44	714	7.22
	3FT	120x120	1607	24.18	536	8.06	1856	22.13	619	7.38	2010	20.99	670	7.00
	4FT	120x120	2183	32.19	546	8.05	2521	29.45	630	7.36	2730	27.94	683	6.99
1000	2FT	120x120	1336	20.87	668	10.44	1543	19.1	772	9.55	1670	18.11	835	9.06
	3FT	120x120	1880	30.32	627	10.11	2171	27.75	724	9.25	2351	26.32	784	8.77
	4FT	120x120	2554	40.36	639	10.09	2950	36.94	738	9.24	3194	35.03	799	8.76

**Tunable White LAYR Range**

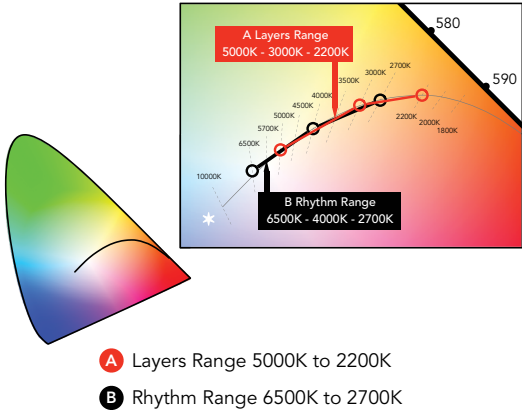
Lumens Per Foot	Fixture Length	Distribution	CCT/CRI 2200K/80	Input Watts 2200K/80	Delivered Lumens Per Foot	Input Watts Per Foot	CCT/CRI 3500K/80	Input Watts 3500K/80	Delivered Lumens Per Foot	Input Watts Per Foot	CCT/CRI 5000K/80	Input Watts 5000K/80	Delivered Lumens Per Foot	Input Watts Per Foot
300	2FT	120x120	436	6.56	218	3.28	499	5.12	250	2.56	496	4.85	248	2.43
	3FT	120x120	633	9.8	211	3.27	724	7.64	241	2.55	720	7.24	240	2.41
	4FT	120x120	830	12.74	208	3.19	949	9.94	237	2.49	943	9.42	236	2.36
450	2FT	120x120	726	9.95	363	4.98	830	7.76	415	3.88	825	7.35	413	3.68
	3FT	120x120	1053	14.86	351	4.95	1204	11.59	401	3.86	1197	10.98	399	3.66
	4FT	120x120	1380	19.32	345	4.83	1579	15.08	395	3.77	1570	14.28	393	3.57
600	2FT	120x120	945	13.05	473	6.53	1081	10.18	541	5.09	1075	9.64	538	4.82
	3FT	120x120	1371	19.49	457	6.50	1568	15.2	523	5.07	1559	14.4	520	4.80
	4FT	120x120	1797	25.34	449	6.34	2055	19.77	514	4.94	2043	18.73	511	4.68
750	2FT	120x120	1162	16.67	581	8.34	1329	13.01	665	6.51	1322	12.32	661	6.16
	3FT	120x120	1686	24.9	562	8.30	1928	19.43	643	6.48	1917	18.4	639	6.13
	4FT	120x120	2210	32.38	553	8.10	2527	25.26	632	6.32	2513	23.93	628	5.98
1000	2FT	120x120	1441	23.36	721	11.68	1648	18.22	824	9.11	1638	17.26	819	8.63
	3FT	120x120	2090	34.89	697	8.30	2390	27.22	797	9.07	2376	25.78	792	8.59
	4FT	120x120	2740	45.37	685	11.34	3133	25.4	783	6.35	3116	33.53	779	8.38

**Warm Dimming GOLR Range**

Lumens Per Foot	Fixture Length	Distribution	CRI	Delivered Lumens	Input Watts	Lumen/Watt	Delivered Lumens Per Foot	Input Watts Per Foot
300	2FT	120x120	80	630	6.38	99	315	3.19
	3FT	120x120	80	837	8.79	95	279	2.93
	4FT	120x120	80	1190	11.31	105	298	2.83
450	2FT	120x120	80	916	9.47	97	458	4.74
	3FT	120x120	80	1217	13.03	93	406	4.34
	4FT	120x120	80	1730	16.77	103	433	4.19
600	2FT	120x120	80	1211	11.49	105	606	5.75
	3FT	120x120	80	1609	15.82	102	536	5.27
	4FT	120x120	80	2288	20.35	112	572	5.09
750	2FT	120x120	80	1510	13.74	110	755	6.87
	3FT	120x120	80	2006	18.91	106	669	6.30
	4FT	120x120	80	2853	24.33	117	713	6.08
1000	2FT	120x120	80	1998	17.61	113	999	8.81
	3FT	120x120	80	2655	24.24	110	885	8.08
	4FT	120x120	80	3775	31.19	121	944	7.80

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.

TUNABLE WHITE GAMUT AND RANGE



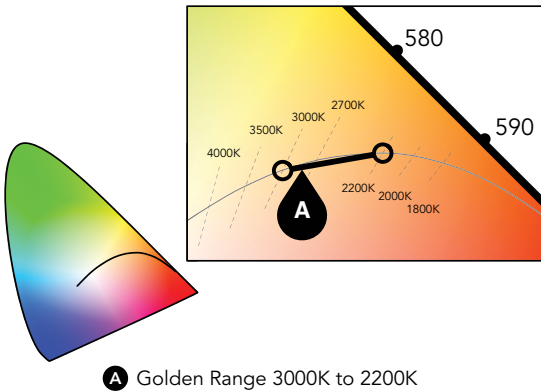
- The Gamut of a luminaire determines the potential color range, as well as light quality through measurements such as CRI and R9.
- The Path determines the range of colors temperatures available for the luminaire and how it tracks the Black Body Curve.

**TUNABLE WHITE GPHD**

- **Gamut:** One dimensional Warm-Neutral-Cool (WiNC)
- **Path:** Multi-segment (6500K to 2700K) (Rhythm Range) or (5000K to 2200K) (Layers Range)
- **Handle:** Three handles: Warm, Neutral and Cool
- **Data:** DMX512/RDM

Rhythm Range is for designers who want to mimic the natural rhythms of daylight, with a broad palette of color temperatures. Layers Range offers the flexibility of tunable white control with the aesthetics of warm dimming, reaching to 2200K.

WARM DIMMING GAMUT AND RANGE



- The Gamut of a luminaire determines the potential color range, as well as light quality through measurements such as CRI and R9.
- The Path determines the range of colors temperatures available for the luminaire.

**WARM DIMMING GPHD**

- **Gamut:** One dimensional Warm-Cool (WiC)
- **Path:** Straight Line 3000K to 2200K (Golden Range)
- **Handle:** One Handle: Intensity (with implicit CCT)
- **Data:** 0-10V

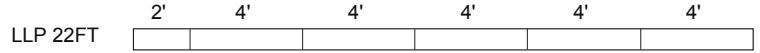
Replicate the comfortable, familiar feeling of traditional light sources warming in color as they are dimmed.

**LINEAR PLAN**

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

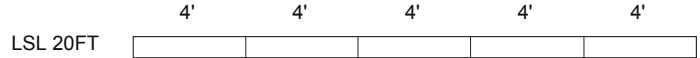
**LLP** Longest Length Possible:

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.



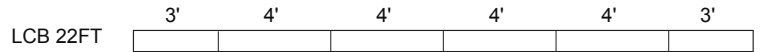
**LSL** Longest Same Length:

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).

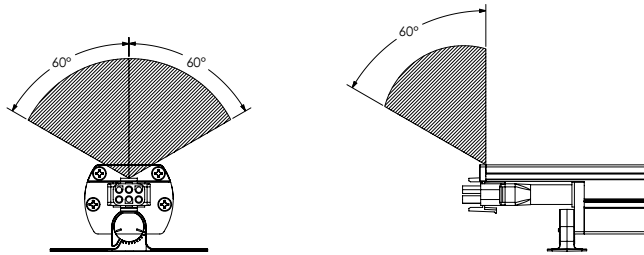


**LCB** Longest Center Balanced:

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**

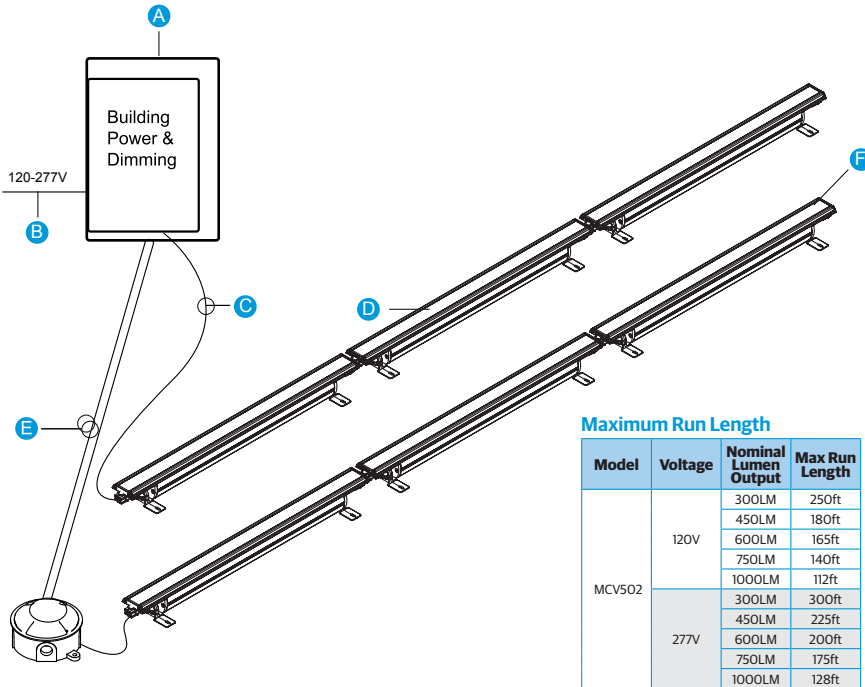


**120x120 Degree**

**BASIC SYSTEM WIRING INFORMATION WITHOUT DMX**

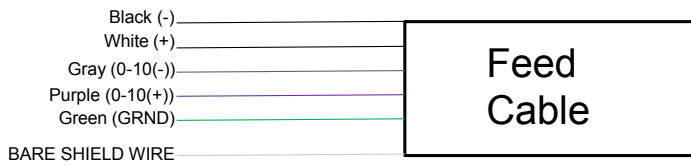
This very basic system wiring diagram provides an overview of components and materials required for a simple installation of MCV502 luminaires controlled by building system power (By Others). These diagrams should not be used in place of actual installation instructions or submittal drawings prepared for a specific project.

Interior application shown.



- A** Building power and dimming control input via 0-10V system provided by others.
- B** 120V-277V input. Metallic conduit and standard fittings are compatible as are multi-conductor cords provided they are appropriate to the mounting location.
- C** Feed cable connects junction box or control input 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 box, output end includes a female or male plug for fixture connection. Also included with each feed cable is a sealing cap for the end of each run.
- D** A maximum of 32 luminaires can be connected to a single feed cable.
- E** Power 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.
- F** Included with each feed cable is a sealing cap for the last luminaire in each run. See installation instructions.

**Feed Cable Wiring**



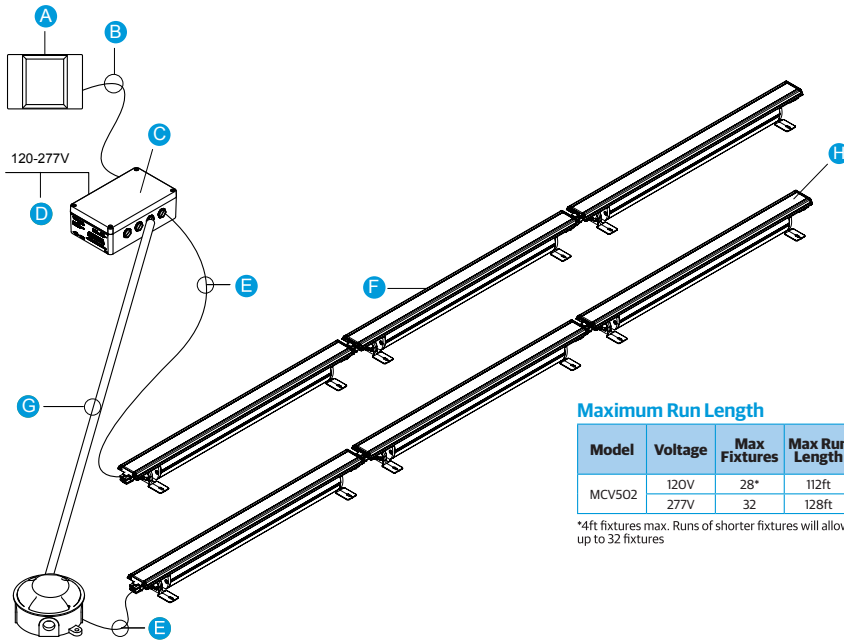
**\*Notes**

- 1) Cap BARE SHIELD WIRE in Junction box. (By Others)
- 2) When not using 0-10V dimming, cap Gray and Purple separately in the junction box. (By Others)

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.

**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 MCV502 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.

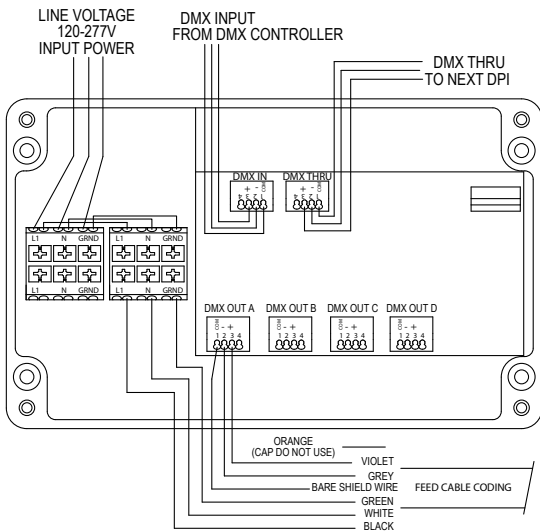


Maximum Run Length

Model	Voltage	Max Fixtures	Max Run Length
MCV502	120V	28*	112ft
	277V	32	128ft

\*4ft fixtures max. Runs of shorter fixtures will allow up to 32 fixtures

**Power & DMX Connection in DPI Box**



A tunable white 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:  
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 MCV502 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.

**Fresco Control System**



**ACCESSORY OPTIONS**

**Fresco Control System**

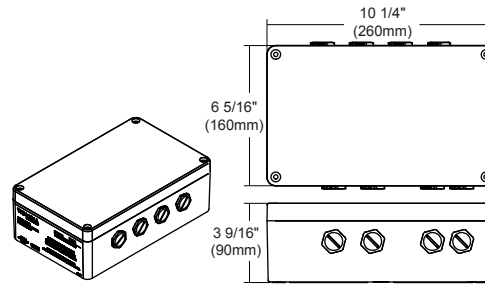
Series	Model	Options	Finish
<b>FCS</b> Fresco Control System	<b>7TSN</b> 7" touchscreen with nLight port	<b>(blank)</b> nLight only <b>X</b> DMX/RDM control	<b>DBL</b> Black <b>DWH</b> White <b>DNA</b> Natural Aluminum



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

**DMX / Power Integrator**

Model
<b>MDPI4W</b> 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.

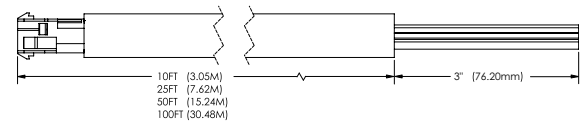
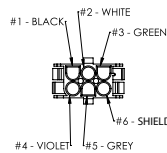
**Environmental Information**

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)**

\*Minimum of one feed cable, left or right, required per installation

Model	Description
<b>MFCL10TR BCRD DXP</b>	10FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black)
<b>MFCL25TR BCRD DXP</b>	25FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black)
<b>MFCL50TR BCRD DXP</b>	50FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black)
<b>MFCL100TR BCRD DXP</b>	100FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black)
<b>MFCL10TR WCRD DXP</b>	10FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White)
<b>MFCL25TR WCRD DXP</b>	25FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White)
<b>MFCL50TR WCRD DXP</b>	50FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White)
<b>MFCL100TR WCRD DXP</b>	100FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White)



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.\*

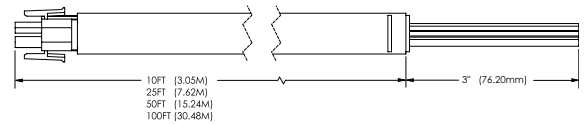
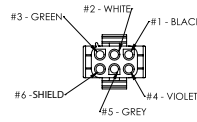


**ACCESSORY OPTIONS (CONTINUED)**

**Feed Cable, Left Feed (Male Plug)**

\*Minimum of one feed cable, left or right, required per installation

Model	
<b>MFCL10TL BCRD DXP</b>	10FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (Black)
<b>MFCL25TL BCRD DXP</b>	25FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (Black)
<b>MFCL50TL BCRD DXP</b>	50FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (Black)
<b>MFCL100TL BCRD DXP</b>	100FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (Black)
<b>MFCL10TL WCRD DXP</b>	10FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (White)
<b>MFCL25TL WCRD DXP</b>	25FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (White)
<b>MFCL50TL WCRD DXP</b>	50FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (White)
<b>MFCL100TL WCRD DXP</b>	100FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (White)

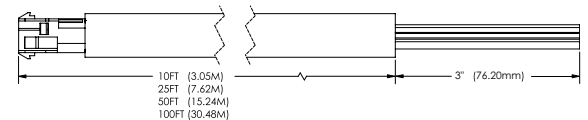
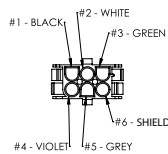


Carries DMX signal and 120-277 line voltage power to left end of first fixture in run. Supplied with termination/sealing cap. \*Use one feed cable per run only.\*

**Feed Cable, Right Feed (Female Plug)**

\*Minimum of one feed cable, left or right, required per installation

Model	
<b>MFCL10TR BCRD NDXP</b>	10FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black)
<b>MFCL25TR BCRD NDXP</b>	25FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black)
<b>MFCL50TR BCRD NDXP</b>	50FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black)
<b>MFCL100TR BCRD NDXP</b>	100FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (Black)
<b>MFCL10TR WCRD NDXP</b>	10FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White)
<b>MFCL25TR WCRD NDXP</b>	25FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White)
<b>MFCL50TR WCRD NDXP</b>	50FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White)
<b>MFCL100TR WCRD NDXP</b>	100FT Feed Cable w/ Sealing Cap, Right Feed, Interior Location (White)

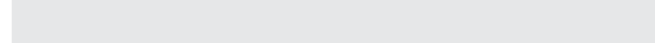


Carries NON-DMX signal and 120-277 line voltage power to right end of first fixture in run. Supplied with termination/sealing cap. \*Use one feed cable per run only.\*

**ACCESSORY OPTIONS (CONTINUED)**

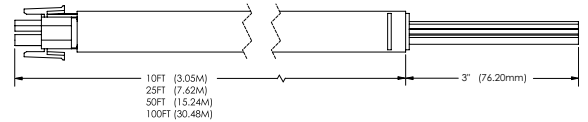
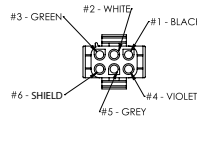
**Feed Cable, Left Feed (Male Plug)**

\*Minimum of one feed cable, left or right, required per installation



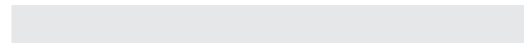
**Model**

<b>MFCL10TL BCRD NDXP</b>	10FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (Black)
<b>MFCL25TL BCRD NDXP</b>	25FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (Black)
<b>MFCL50TL BCRD NDXP</b>	50FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (Black)
<b>MFCL100TL BCRD NDXP</b>	100FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (Black)
<b>MFCL10TL WCRD NDXP</b>	10FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (White)
<b>MFCL25TL WCRD NDXP</b>	25FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (White)
<b>MFCL50TL WCRD NDXP</b>	50FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (White)
<b>MFCL100TL WCRD NDXP</b>	100FT Feed Cable w/ Sealing Cap, Left Feed, Interior Location (White)



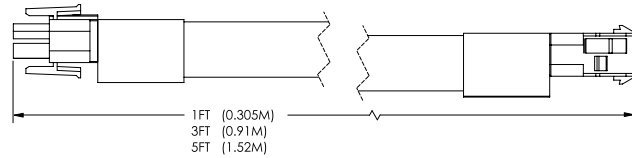
Carries NON-DMX signal and 120-277 line voltage power to left end of first fixture in run.  
Supplied with termination/sealing cap.  
\*Use one feed cable per run only.\*

**Jumper Cable \*Optional\***



**Model**

<b>MJCLW1T BCRD</b>	1FT Jumper Cable Interior Location (Black)
<b>MJCLW3T BCRD</b>	3FT Jumper Cable Interior Location (Black)
<b>MJCLW5T BCRD</b>	5FT Jumper Cable Interior Location (Black)
<b>MJCLW1T WCRD</b>	1FT Jumper Cable Interior Location (White)
<b>MJCLW3T WCRD</b>	3FT Jumper Cable Interior Location (White)
<b>MJCLW5T WCRD</b>	5FT Jumper Cable Interior Location (White)



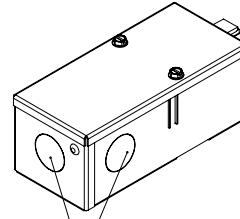
Carries DMX or NON-DMX signal and 120-277 line voltage power between two units in a run when larger spacing between units is required.

**ACCESSORY OPTIONS (CONTINUED)**

**Wire Splice Box, Right Feed (Female Plug), \*Optional\***  
**\*Minimum of one wire splice box, left or right, required for installation**

Model	
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- M500WBXR DXP** Wire Splice Box w/ Sealing Cap, Right Feed, Interior Location (Galvanized Steel)
- M500WBXR WTPP DXP** Wire Splice Box,w/ Sealing Cap, Right Feed, Interior Location (White)



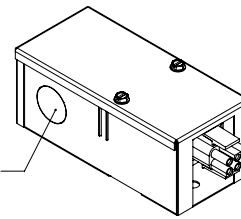
7/8 KNOCKOUTS

Replaces feed cable for areas where flexible cord cannot be used to bring input DMX signal and 120-277 line voltage power to right end of beginning of run. Box allows 1/2" NPT conduit fitting connection and area for building wire splice connections. Supplied with termination/sealing cap.  
\*Use one wire splice box per run only.\*

**Wire Splice Box, Left Feed (Male Plug), \*Optional\***  
**\*Minimum of one wire splice box, left or right, required for installation**

Model	
-------	--

- M500WBXL DXP** Wire Splice Box,w/ Sealing Cap, Left Feed, Interior Location (Galvanized Steel)
- M500WBXL WTPP DXP** Wire Splice Box,w/ Sealing Cap, Left Feed, Interior Location (White)



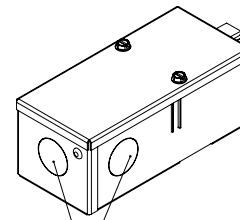
7/8 KNOCKOUT

Replaces feed cable for areas where flexible cord cannot be used to bring input DMX signal and 120-277 line voltage power to right end of beginning of run. Box allows 1/2" NPT conduit fitting connection and area for building wire splice connections. Supplied with termination/sealing cap.  
\*Use one wire splice box per run only.\*

**Wire Splice Box, Right Feed (Female Plug), \*Optional\***  
**\*Minimum of one wire splice box, left or right, required for installation**

Model	
-------	--

- M500WBXR NDXP** Wire Splice Box w/ Sealing Cap, Right Feed, Interior Location (Galvanized Steel)
- M500WBXR WTPP NDXP** Wire Splice Box,w/ Sealing Cap, Right Feed, Interior Location (White)



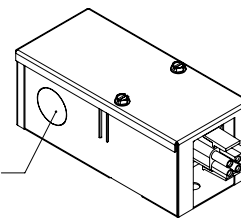
7/8 KNOCKOUTS

Replaces feed cable for areas where flexible cord cannot be used to bring input NON-DMX signal and 120-277 line voltage power to right end of beginning of run. Box allows 1/2" NPT conduit fitting connection and area for building wire splice connections. Supplied with termination/sealing cap.  
\*Use one wire splice box per run only.\*

**Wire Splice Box, Left Feed (Male Plug), \*Optional\***  
**\*Minimum of one wire splice box, left or right, required for installation**

Model	
-------	--

- M500WBXL NDXP** Wire Splice Box,w/ Sealing Cap, Left Feed, Interior Location (Galvanized Steel)
- M500WBXL WTPP NDXP** Wire Splice Box,w/ Sealing Cap, Left Feed, Interior Location (White)



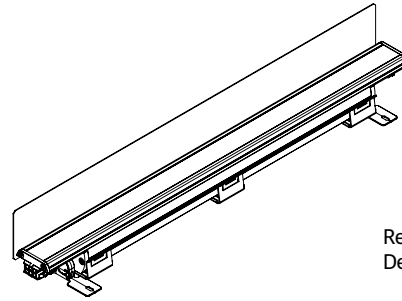
7/8 KNOCKOUT

Replaces feed cable for areas where flexible cord cannot be used to bring input NON-DMX signal and 120-277 line voltage power to right end of beginning of run. Box allows 1/2" NPT conduit fitting connection and area for building wire splice connections. Supplied with termination/sealing cap.  
\*Use one wire splice box per run only.\*

**ACCESSORY OPTIONS (CONTINUED)**

**Glare Visor (Linear) \*Optional\***

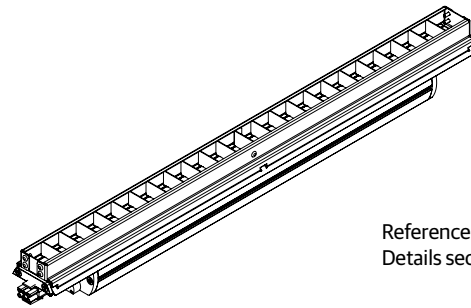
Model	Fixture Section	Finish
<b>MGVCS</b> Glare Visor Linear Cove	<b>U2</b> 2FT Length Unit	<b>BKT</b> Black Textured Paint
	<b>U3</b> 3FT Length Unit	<b>SIT</b> Silver Textured Paint
	<b>U4</b> 4FT Length Unit	<b>WTP</b> White Textured Paint
		<b>RALTB</b> RAL Paint Finish
		<b>CPF</b> Custom Painted Finish



Reference Additional Accessory Details section for dimensions

**Baffle (Linear) \*Optional\***

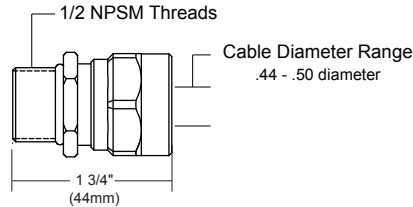
Model	Fixture Section
<b>MBFC5</b> Baffle Linear Cove (Available in matte black finish only)	<b>U2</b> 2FT Length Unit
	<b>U3</b> 3FT Length Unit
	<b>U4</b> 4FT Length Unit



Reference Additional Accessory Details section for dimensions

**Liquid-Tight Cord Grip \*Optional\***

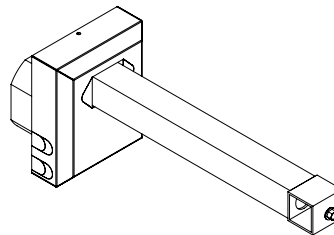
Model
<b>MCORDGP2</b> Liquid-Tight Cord Grip (Use to secure and seal feed cord to DPI Box)



Connector to secure and seal feed cord.

**Brackets \*Optional\***

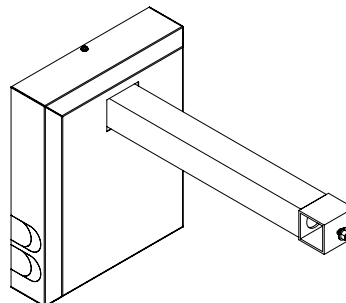
Series	Finish
<b>MCBT6</b> Cantilever Bracket 6" Projection	<b>BKT</b> Black Textured Paint
<b>MCBT12</b> Cantilever Bracket 12" Projection	<b>SIT</b> Silver Textured Paint
<b>MCBT18</b> Cantilever Bracket 18" Projection	<b>WTP</b> White Textured Paint
	<b>RALTB</b> RAL Paint Finish
	<b>CPF</b> Custom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



Reference Additional Accessory Details section for dimensions

**Brackets \*Optional\***

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

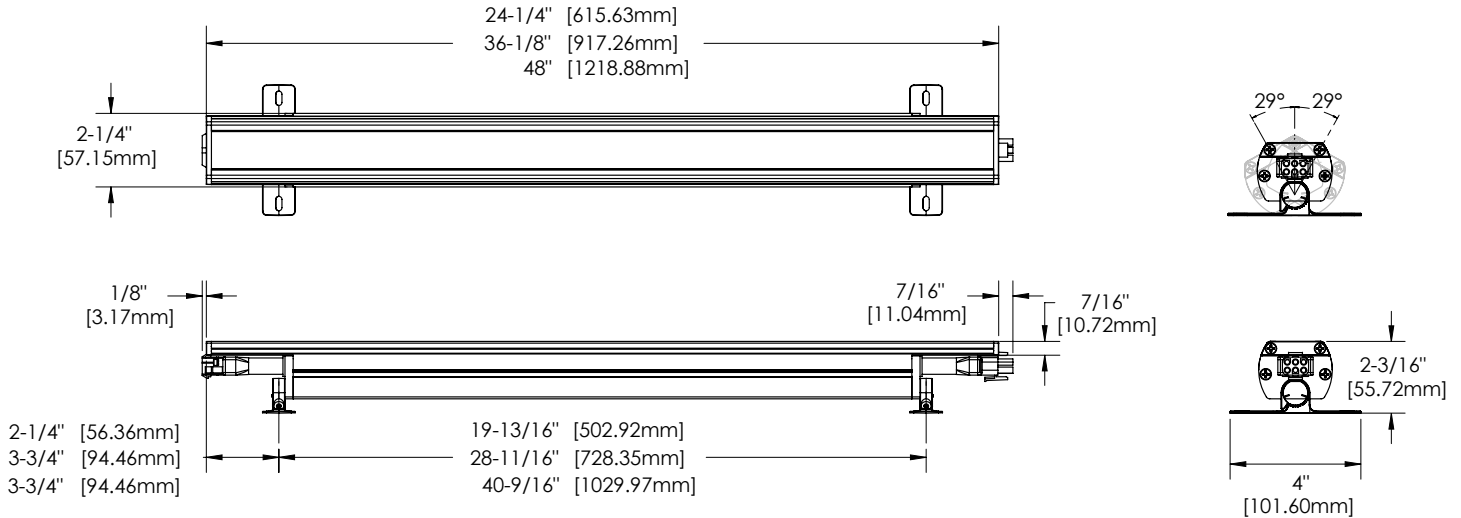


For use with surface mount junction box (by others) and surface mounted conduit (by others).

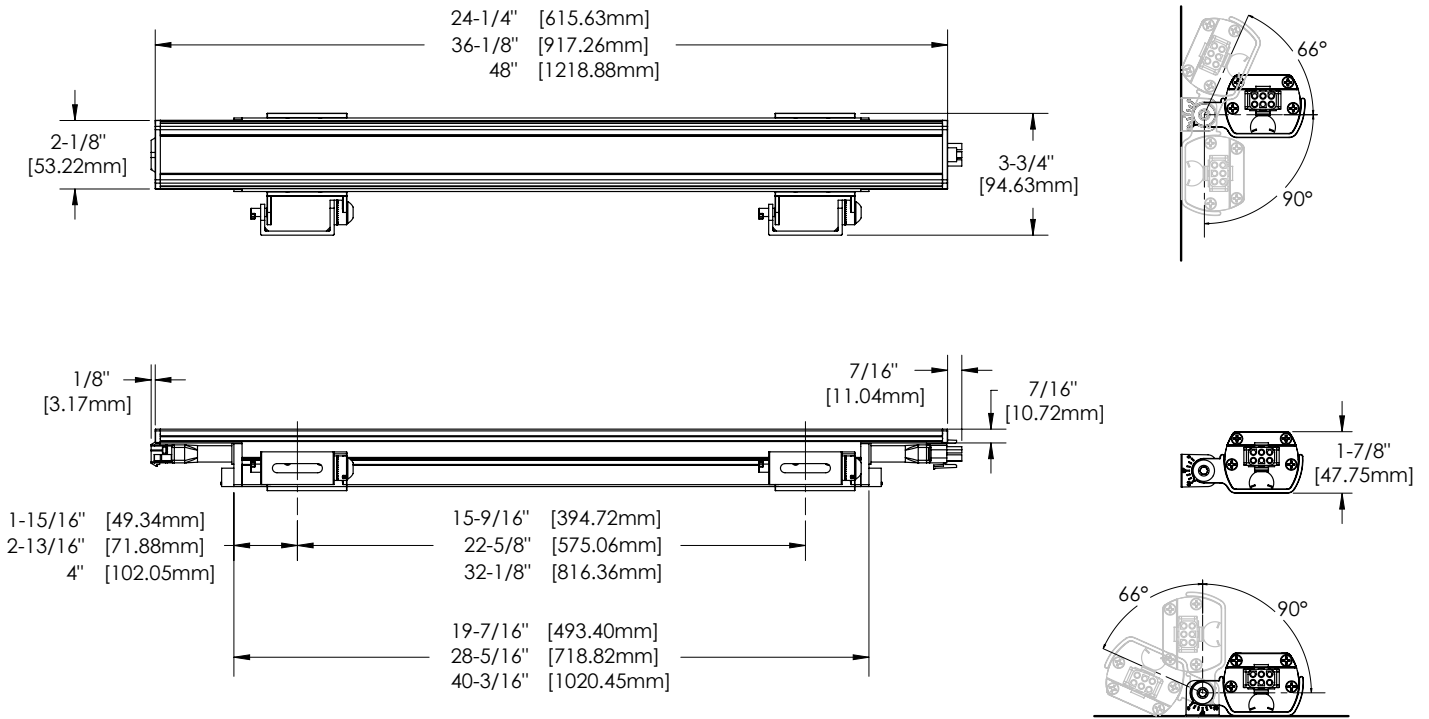
Reference Additional Accessory Details section for dimensions

**DRAWING DETAILS**

**M500ADJC1 - Adjustable Mount Center Axis**

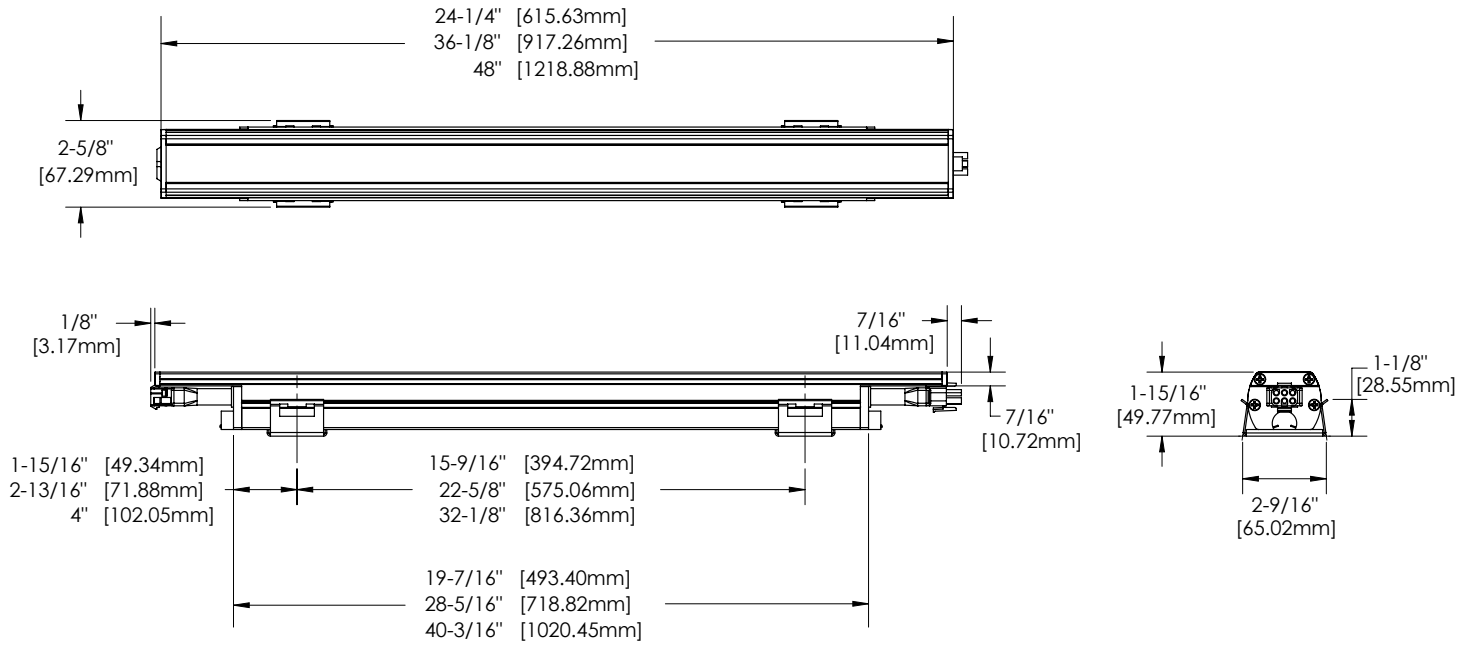


**M500ADJH2 - Adjustable Mount Side Hinge**



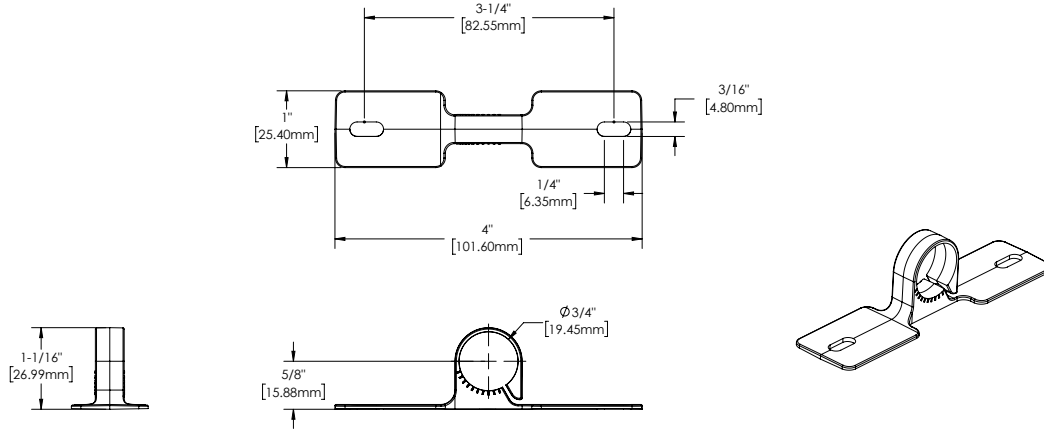
**DRAWING DETAILS (CONTINUED)**

**M500FMC - Fixed Mount**

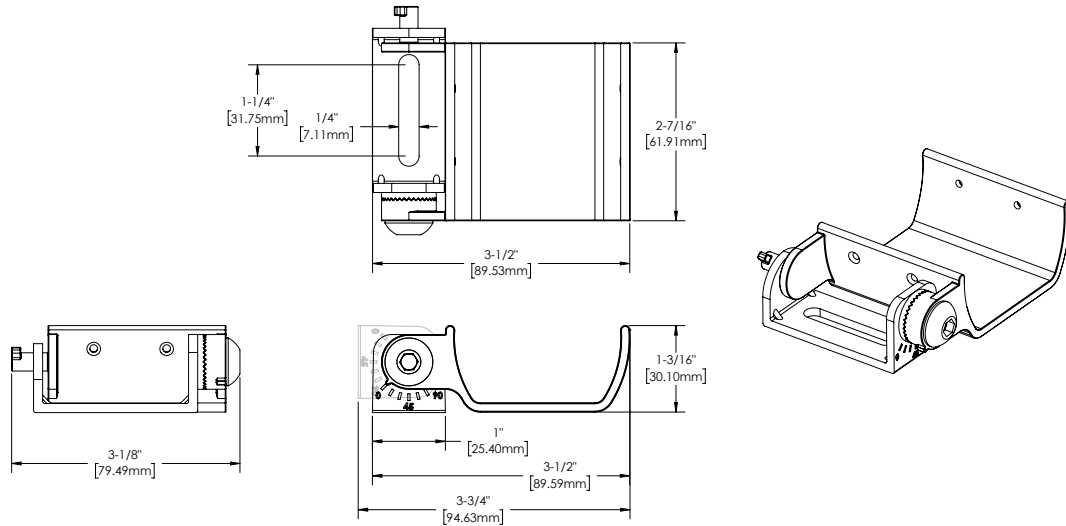


**DRAWING DETAILS (CONTINUED)**

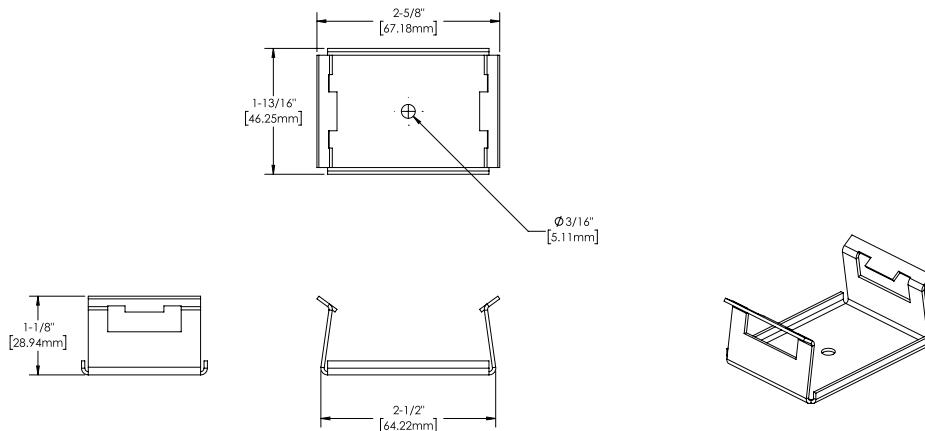
**M500ADJC1 - Adjustable Mount Center Axis Detail**



**M500ADJH2 - Adjustable Mount Side Hinge Detail**

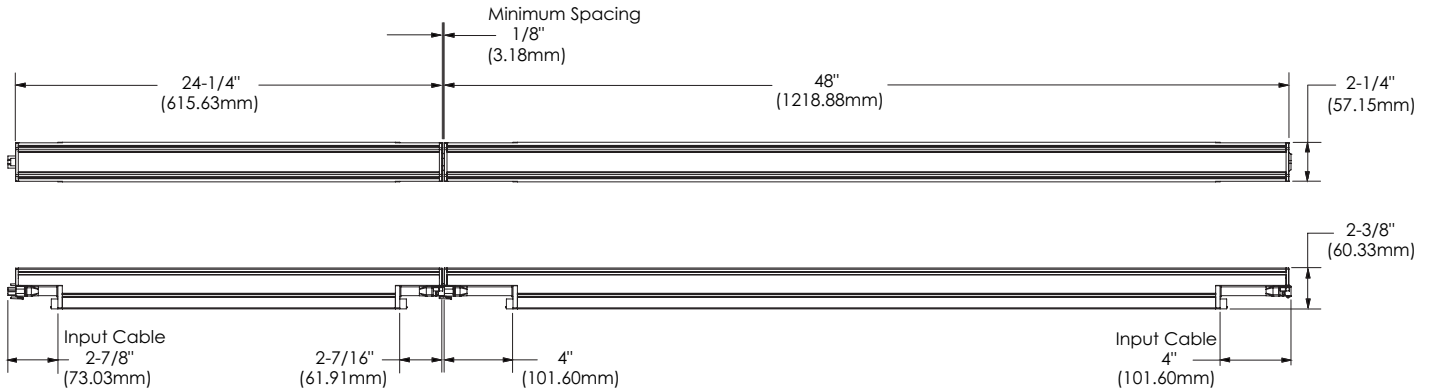


**M500FMC - Fixed Mount Detail**



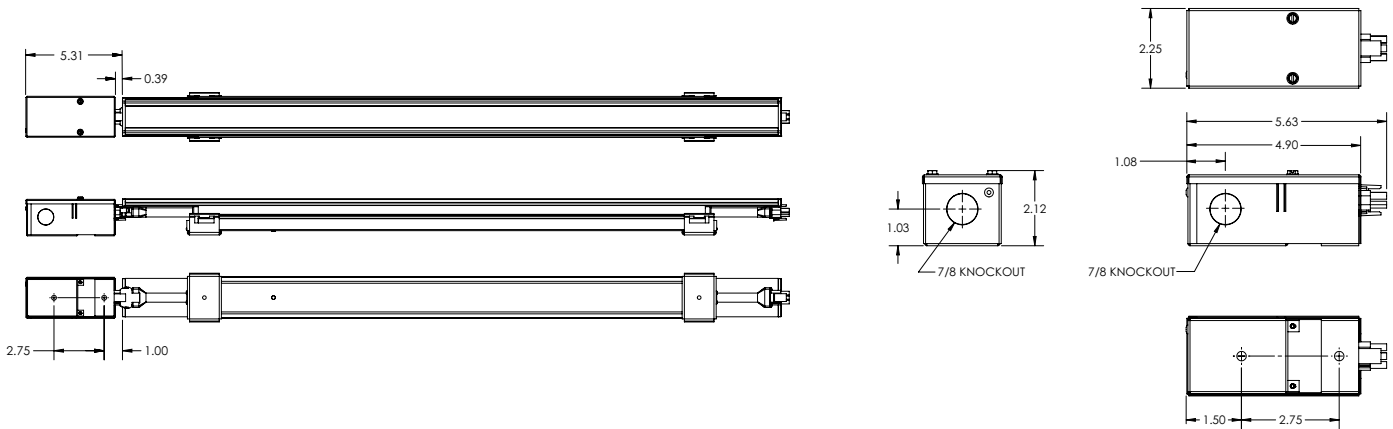
**DRAWING DETAILS (CONTINUED)**

**MCV502 Series Typical End-To-End Run Configuration**

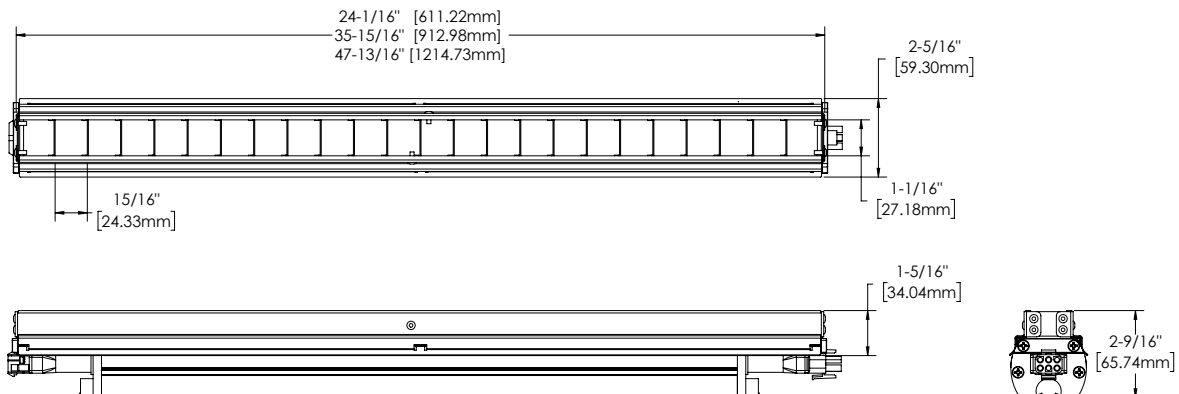


**ADDITIONAL ACCESSORY DETAILS**

**M500WBX Details**  
(Same dimensions apply for Left or Right Feed)



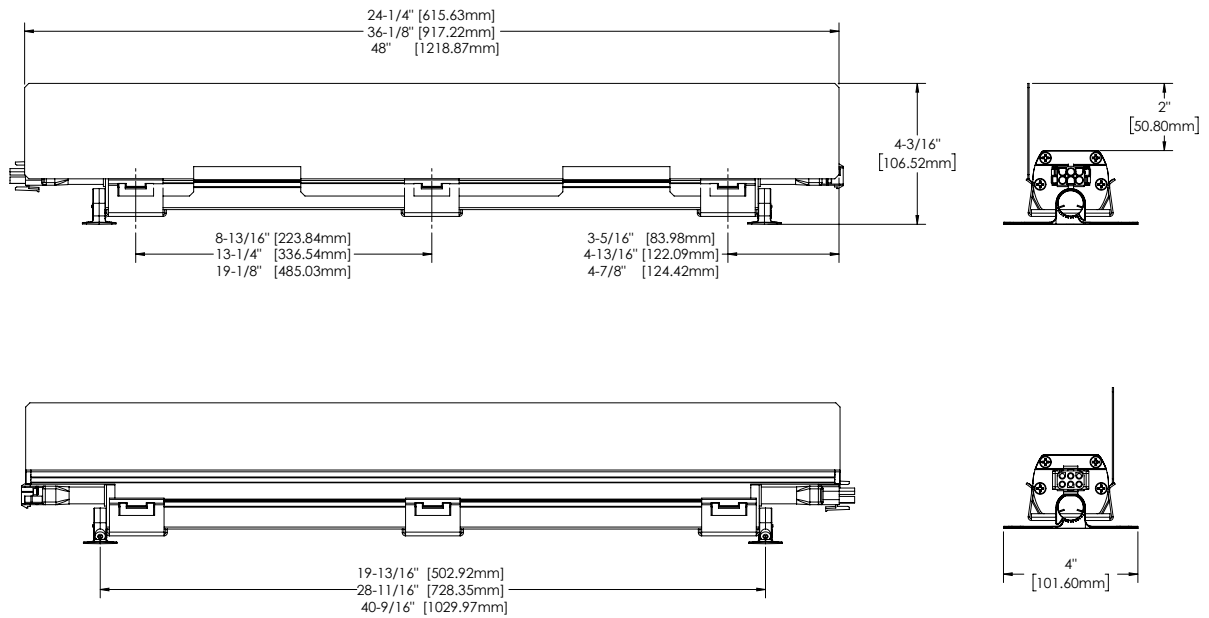
**Baffle Linear Cove**



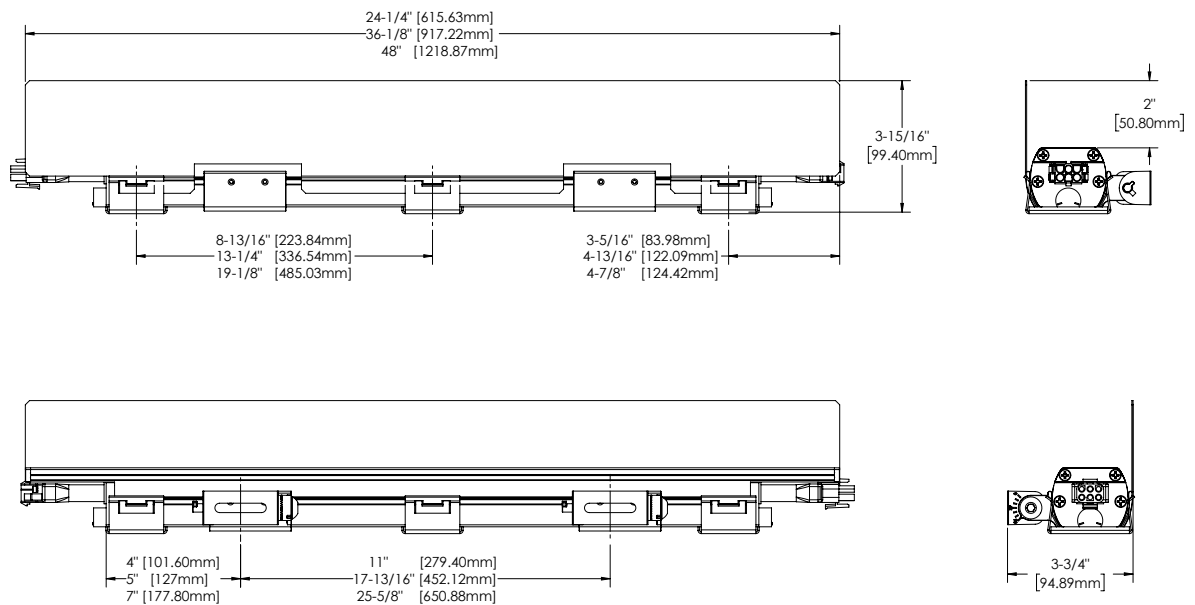


**ADDITIONAL ACCESSORY DETAILS (CONTINUED)**

**Glare Visor with M500ADJC1 Mount**

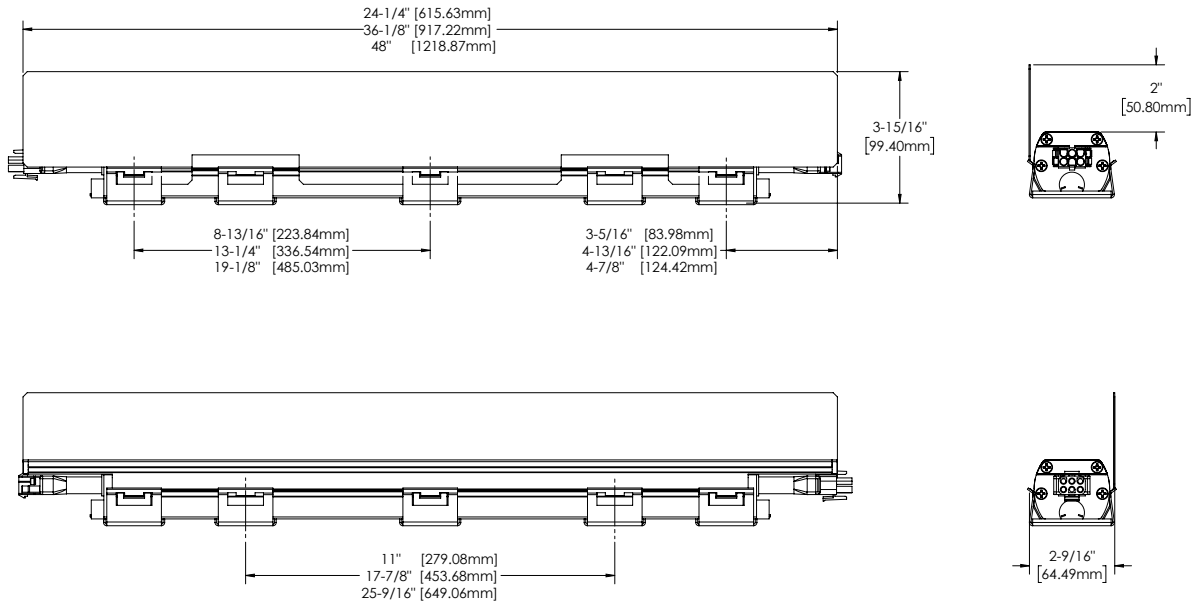


**Glare Visor with M500ADJH2 Mount**

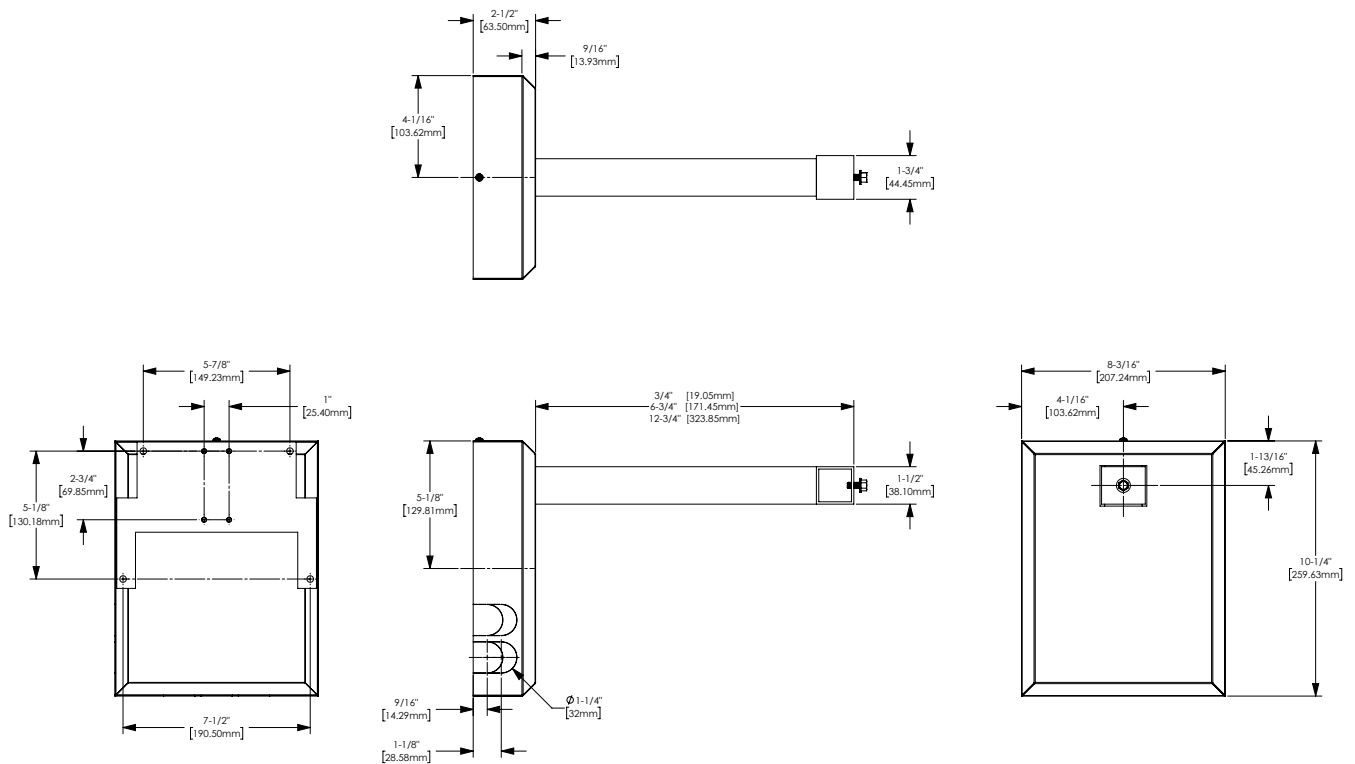


**ADDITIONAL ACCESSORY DETAILS (CONTINUED)**

**Glare Visor with M500FMC Mount**

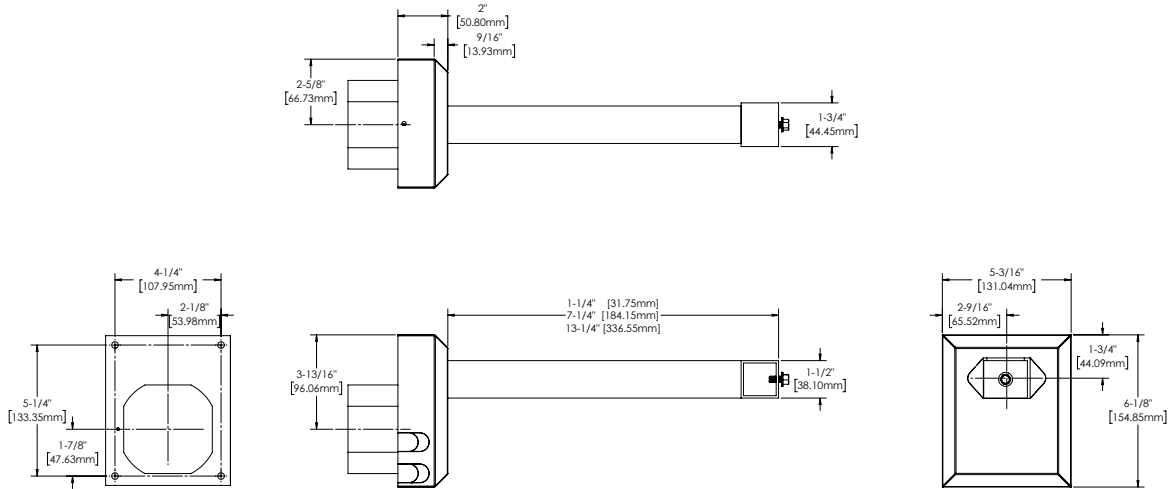


**Cantilever Bracket Large Detail**

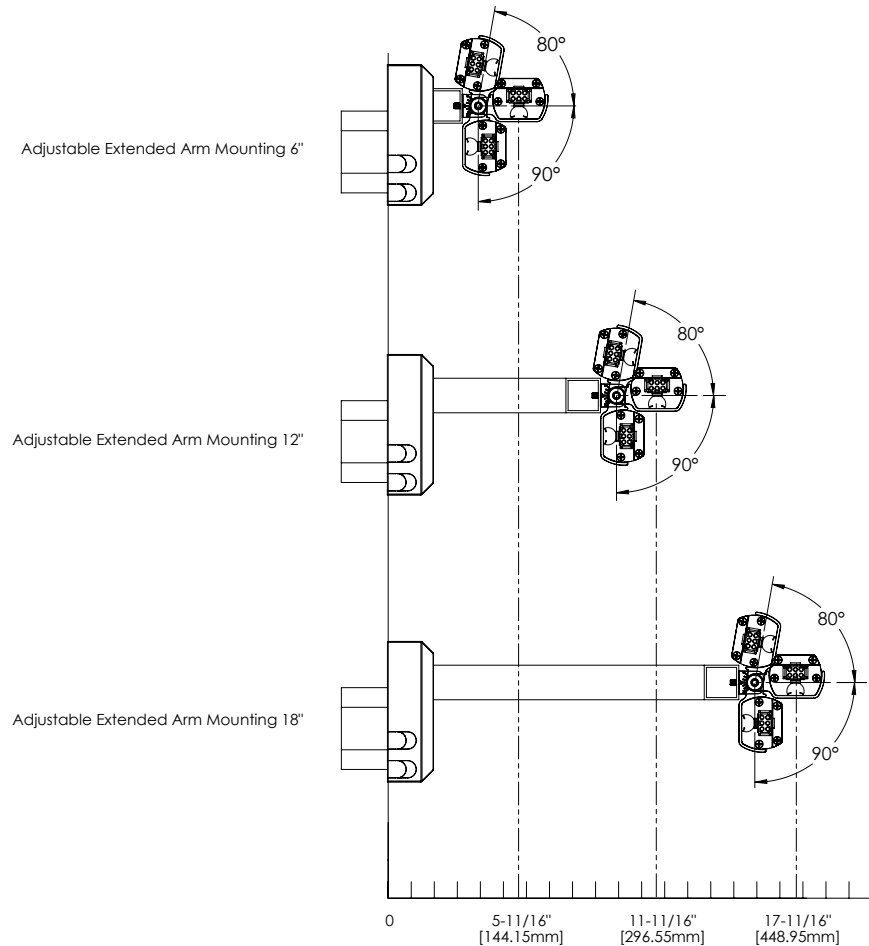


**ADDITIONAL ACCESSORY DETAILS (CONTINUED)**

**Cantilever Bracket Detail**

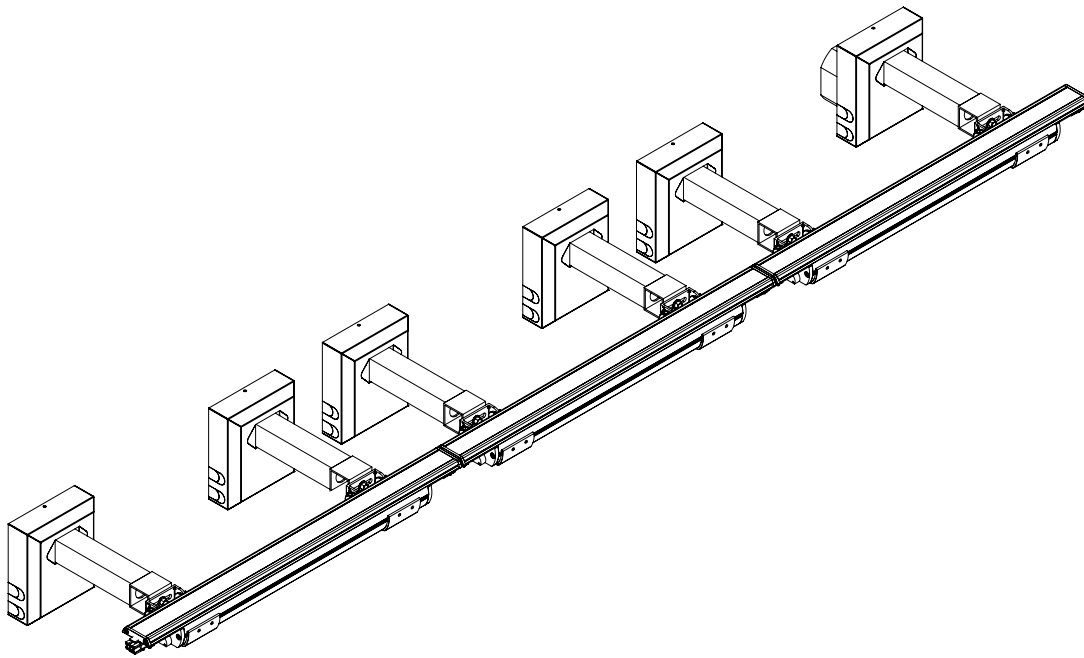
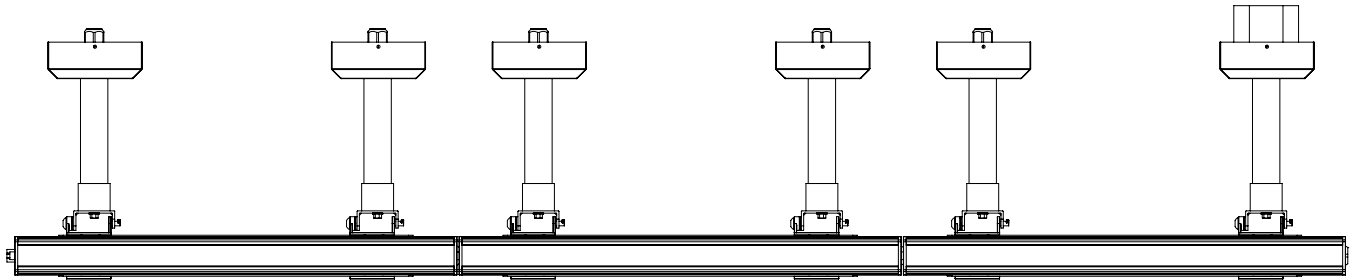


**Cantilever Bracket Detail with M500ADJH2 and Fixture**



**ADDITIONAL ACCESSORY DETAILS (CONTINUED)**

**MCV502 Series Typical End-To-End Run Configuration with Cantilever Brackets  
(Showing 6-foot run of (3) 2-foot units with MCBT12 bracket accessory)**



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**SPECIFICATIONS**

**Voltage:** 120 through 277v/60Hz

**Distribution:** 120° x 120°

**Size:** 2.25W x 1.75H

**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 with frosted surface

**Lumen Maintenance:** LAYR: 60,000 hours L70 @ +120deg C.  
RHYR: 120,000 hours L70@ +55deg C. GOLR: 60,000 hours L70 @ +55deg C

**LED Color Mix:** RHYR: 12 LEDs per 12 inches in a 1:1 ratio (1x2700k, 1x4000k, 1x6500k). LAYR: 12 LEDs per 12 inches in a 1:1 ratio (1x2200k, 1x3000k, 1x5000k). GOLR: 12 LEDs per 12 inches in a 2:1 ratio (2x3000k, 1x2200k)

**Control System:** Fresco DMX512 controller, 0-10V dimmer control (WDIM)

**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 damp 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" - 3.0 lbs (1.36 kg) / 36" - 3.5 lbs (1.59 kg) / 48" - 4.5 lbs (2.04 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](http://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](http://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