



## MARKLINE

SURFACE TUNABLE WHITE & WARM DIMMING  
WET LOCATION

### HIGHLIGHTS

- Small, versatile and impactful
- Extruded aluminum construction
- 9 x 9, 15 x 30, 10 x 60, 30 x 60, 40 x 60, 60 x 60 or wall wash distributions
- 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
- DMX with Remote Device Management
- Efficient with up to 119 lumens per watt
- Full compliment of mounting and shielding accessories
- Manufactured in USA
- IP66 rated per IEC60598
- 3G vibration rated per ANSI C136.31

### LUMEN PACKAGES

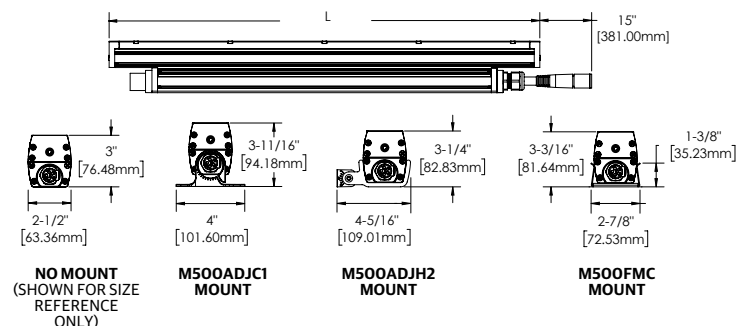
	9x9	10x60	15x30	30x60	40x60	60x60	WWD
Lumens/FT	556	557	528	540	500	535	480
Watts/FT	4.09	4.09	4.09	4.09	4.09	4.09	4.09
Lumens/Watt	136	136	129	132	122	131	117

Information based on 4FT, 600 LMF WDIM

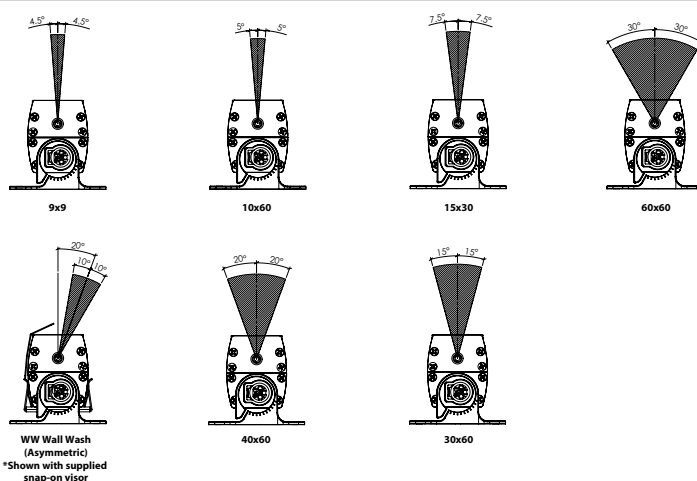


### DIMENSIONS

Reference Drawing Detail section for additional information



### STANDARD DISTRIBUTION



TUNABLE  
WHITE



WARMDIM



66  
IP RATED



Buy American



Declare.

# Surface Tunable White & Warm Dimming Wet Location

Example: MKS501 LLP 14FT MSL4 M500ADJH2 80CRI TUWH LAYR 600LMF 15X30DEG DARK MVOLT SIT DMX MFCLW25LR WL

Example: MKS501 LLP 12FT MSL4 M500FMC 80CRI WDIM GOLR 1000LMF WW DARK MVOLT WTP ZT NOFCL WL

## ORDERING

Series		Linear Plan		Total Run Length		Max Section Length		Mounting		Mounting Option			
MKSS01	MARKline 500 Series Surface	LLP	Linear Longest Possible	_FT	Specify continuous linear feet in 1' increments, with a minimum of 2'. (Example: 24FT)	MSL2	2'	M500ADJCI	Adjustable Mount Center Axis	(blank)	No Cantilever Brackets		
		LCB	Linear Center Balanced			MSL3	3'	M500ADJH2	Adjustable Mount Side Hinge	MCBT12	Cantilever Bracket 12" Projection		
		LSL	Linear Same Length			MSL4	4'	M500FMC	Fixed Mount	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 500SDJH2 mounting option.			
Direct Light Source Color Rendering		Dynamic Feature		Dynamic Range		Direct LED Light Output		Distribution		Minimum Dimming Level		Optional Shielding	
80CRI	80CRI	TUWH	Tunable White	GOLR*	Golden Range (2200K-3000K)	300LMF	300 Nominal Lumens per Foot	10X60DEG	10 x 60 Degrees	DARK	Constant Current, Dimming to <1%	(blank)	No Optional Shielding
90CRI*	90CRI	WDIM	Warm Dimming	LAYR	Layers Range (2200K-5000K)	450LMF	450 Nominal Lumens per Foot	15X30DEG	15 x 30 Degrees			MBFL	Baffle Linear Surface
*Not available in LAYR.				RHYR	Rhythm Range (2700K-6500K)	600LMF	600 Nominal Lumens per Foot	30X60DEG	30 x 60 Degrees			MGVL	Glare Visor Linear Surface
						750LMF	750 Nominal Lumens per Foot	40X60DEG	40 x 60 Degrees				
						1000LMF	1000 Nominal Lumens per Foot	60X60DEG	60 x 60 Degrees				
								6X6DEG	6 x 6 Degrees				
								9X9DEG	9 x 9 Degrees				
								WW*	Wall Wash (Asymmetric)				
								*Supplied with a snap on visor.					
Voltage		Shielding		Finish		Control Input		Power Feed		Option			
MOVOLT	120-277 Volt	(blank)	Standard Clear Acrylic	WTP	White Textured Paint	DMX*	DMX	NOFCL	No Power Feed Cable (order separate)	WL	Wet Location		
		FCA	Frosted Clear Acrylic	SIT	Silver Textured Paint	ZT**	0 - 10V	MFCLW10LR	10FT Feed Cable, Right Feed, Exterior Location				
				BKT	Black Textured Paint	*Available with TUWH only		MFCLW25LR	25FT Feed Cable, Right Feed, Exterior Location				
				RALTB D*	RAL Color TBD	**Available with WDIM only		MFCLW50LR	50FT Feed Cable, Right Feed, Exterior Location				
				CPF	Custom Paint Finish			MFCLW100LR	100FT Feed Cable, Right Feed, Exterior Location				
				*RALTBD for pricing only. Replace with applicable RAL number when placing order.									

**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	4FT	9x9	1159	17.94	290	4.49	1180	14.07	295	3.52	1230	14.03	308	3.51
	4FT	10x60	1161	17.94	290	4.49	1182	14.07	296	3.52	1232	14.03	308	3.51
	4FT	15x30	1316	17.39	329	4.35	1519	15.91	380	3.98	1645	15.09	411	3.77
	4FT	30x60	1345	17.39	336	4.35	1554	15.91	389	3.98	1682	15.09	421	3.77
	4FT	40x60	1246	17.39	312	4.35	1439	15.91	360	3.98	1558	15.09	390	3.77
	4FT	60x60	1338	17.39	335	4.35	1545	15.91	386	3.98	1673	15.09	418	3.77
450	4FT	WWD	1050	17.39	263	4.35	1213	15.91	303	3.98	1313	15.09	328	3.77
	4FT	9x9	1625	22.26	406	5.57	1655	17.45	414	4.36	1725	17.41	431	4.35
	4FT	10x60	1628	22.26	407	5.57	1658	17.45	415	4.36	1728	17.41	432	4.35
	4FT	15x30	1585	31.84	396	7.96	1830	29.13	458	7.28	1982	27.63	496	6.91
	4FT	30x60	1621	31.84	405	7.96	1871	29.13	468	7.28	2026	27.63	507	6.91
	4FT	40x60	1501	31.84	375	7.96	1734	29.13	434	7.28	1877	27.63	469	6.91
600	4FT	60x60	1611	31.84	403	7.96	1861	29.13	465	7.28	2015	27.63	504	6.91
	4FT	WWD	1265	31.84	316	7.96	1461	29.13	365	7.28	1582	27.63	396	6.91
	4FT	9x9	2105	27.97	526	6.99	2144	21.93	536	5.48	2235	21.88	559	5.47
	4FT	10x60	2109	27.97	527	6.99	2148	21.93	537	5.48	2239	21.88	560	5.47
	4FT	15x30	1926	25.2	482	6.30	2224	23.06	556	5.77	2409	21.87	602	5.47
	4FT	30x60	1970	25.2	493	6.30	2275	23.06	569	5.77	2463	21.87	616	5.47
750	4FT	40x60	1825	25.2	456	6.30	2107	23.06	527	5.77	2282	21.87	571	5.47
	4FT	60x60	1959	25.2	490	6.30	2262	23.06	566	5.77	2449	21.87	612	5.47
	4FT	WWD	1538	25.2	385	6.30	1776	23.06	444	5.77	1923	21.87	481	5.47
	4FT	9x9	2585	34.3	646	8.58	2633	26.89	658	6.72	2745	26.83	686	6.71
	4FT	10x60	2590	34.3	648	8.58	2637	26.89	659	6.72	2749	26.83	687	6.71
	4FT	15x30	2294	32.19	574	8.05	2649	29.45	662	7.36	2868	27.94	717	6.99
1000	4FT	30x60	2346	32.19	587	8.05	2709	29.45	677	7.36	2933	27.94	733	6.99
	4FT	40x60	2173	32.19	543	8.05	2509	29.45	627	7.36	2717	27.94	679	6.99
	4FT	60x60	2332	32.19	583	8.05	2693	29.45	673	7.36	2916	27.94	729	6.99
	4FT	WWD	1831	32.19	458	8.05	2114	29.45	529	7.36	2289	27.94	572	6.99
	4FT	9x9	3265	47.85	816	11.96	3326	37.51	832	9.38	3467	37.42	867	9.36
	4FT	10x60	3271	47.85	818	11.96	3331	37.51	833	9.38	3473	37.42	868	9.36
1000	4FT	15x30	2684	40.36	671	10.09	3099	36.94	775	9.24	3356	35.03	839	8.76
	4FT	30x60	2744	40.36	686	10.09	3169	36.94	792	9.24	3431	35.03	858	8.76
	4FT	40x60	2542	40.36	636	10.09	2936	36.94	734	9.24	3179	35.03	795	8.76
	4FT	60x60	2729	40.36	682	10.09	3151	36.94	788	9.24	3412	35.03	853	8.76
1000	4FT	WWD	2142	40.36	536	10.09	2474	36.94	619	9.24	2678	35.03	670	8.76

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.  
IES data is available at [www.winonaighting.com](http://www.winonaighting.com). Refer to website for the latest IES file updates.

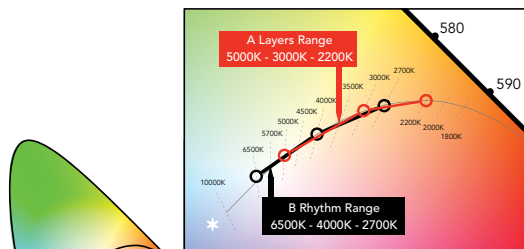
**PERFORMANCE DATA**

**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	4FT	9x9	784	12.74	196	3.19	896	9.94	224	2.49	891	9.42	223	2.36
	4FT	10x60	785	12.74	196	3.19	898	9.94	225	2.49	893	9.42	223	2.36
	4FT	15x30	674	12.74	169	3.19	771	9.94	193	2.49	767	9.42	192	2.36
	4FT	30x60	690	12.74	173	3.19	789	9.94	197	2.49	784	9.42	196	2.36
	4FT	40x60	639	12.74	160	3.19	731	9.94	183	2.49	727	9.42	182	2.36
	4FT	60x60	686	12.74	172	3.19	784	9.94	196	2.49	780	9.42	195	2.36
450	4FT	WWD	528	12.74	132	3.19	604	9.94	151	2.49	601	9.42	150	2.36
	4FT	9x9	1304	19.32	326	4.83	1491	15.08	373	3.77	1483	14.28	371	3.57
	4FT	10x60	1306	19.32	327	4.83	1494	15.08	374	3.77	1486	14.28	372	3.57
	4FT	15x30	1122	19.32	281	4.83	1283	15.08	321	3.77	1276	14.28	319	3.57
	4FT	30x60	1147	19.32	287	4.83	1312	15.08	328	3.77	1305	14.28	326	3.57
	4FT	40x60	1063	19.32	266	4.83	1216	15.08	304	3.77	1209	14.28	302	3.57
600	4FT	60x60	1141	19.32	285	4.83	1305	15.08	326	3.77	1298	14.28	325	3.57
	4FT	WWD	879	19.32	220	4.83	1005	15.08	251	3.77	1000	14.28	250	3.57
	4FT	9x9	1698	25.34	425	6.34	1942	19.77	486	4.94	1931	18.73	483	4.68
	4FT	10x60	1701	25.34	425	6.34	1945	19.77	486	4.94	1934	18.73	484	4.68
	4FT	15x30	1461	25.34	365	6.34	1671	19.77	418	4.94	1661	18.73	415	4.68
	4FT	30x60	1494	25.34	374	6.34	1709	19.77	427	4.94	1699	18.73	425	4.68
750	4FT	40x60	1384	25.34	346	6.34	1583	19.77	396	4.94	1574	18.73	394	4.68
	4FT	60x60	1485	25.34	371	6.34	1699	19.77	425	4.94	1689	18.73	422	4.68
	4FT	WWD	1144	25.34	286	6.34	1309	19.77	327	4.94	1301	18.73	325	4.68
	4FT	9x9	2088	32.38	522	8.10	2388	25.26	597	6.32	2374	23.93	594	5.98
	4FT	10x60	2091	32.38	523	8.10	2392	25.26	598	6.32	2378	23.93	595	5.98
	4FT	15x30	1797	32.38	449	8.10	2055	25.26	514	6.32	2043	23.93	511	5.98
1000	4FT	30x60	1837	32.38	459	8.10	2101	25.26	525	6.32	2089	23.93	522	5.98
	4FT	40x60	1702	32.38	426	8.10	1947	25.26	487	6.32	1936	23.93	484	5.98
	4FT	60x60	1827	32.38	457	8.10	2089	25.26	522	6.32	2077	23.93	519	5.98
	4FT	WWD	1407	32.38	352	8.10	1609	25.26	402	6.32	1600	23.93	400	5.98
	4FT	9x9	2588	45.37	647	11.34	2960	35.4	740	8.85	2944	33.53	736	8.38
	4FT	10x60	2593	45.37	648	11.34	2966	35.4	742	8.85	2949	33.53	737	8.38
	4FT	15x30	2227	45.37	557	11.34	2547	35.4	637	8.85	2533	33.53	633	8.38
	4FT	30x60	2278	45.37	570	11.34	2605	35.4	651	8.85	2590	33.53	648	8.38
	4FT	40x60	2110	45.37	528	11.34	2413	35.4	603	8.85	2400	33.53	600	8.38
	4FT	60x60	2265	45.37	566	11.34	2590	35.4	648	8.85	2576	33.53	644	8.38
	4FT	WWD	1745	45.37	436	11.34	1995	35.4	499	8.85	1984	33.53	496	8.38

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**TUNABLE WHITE 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 and how it tracks the Black Body Curve.

**TUNABLE WHITE GPHD**

- **Gamut:** One dimensional Warm-Neutral-Cool (WNC)
- **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.

**A** Layers Range 5000K to 2200K

**B** Rhythm Range 6500K to 2700K

**PERFORMANCE DATA**

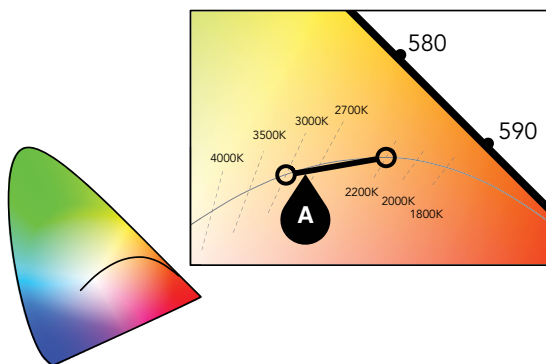
**Warm Dimming GOLR Range**

Lumens Per Foot	Fixture Length	Distribution	CRI	Delivered Lumens	Input Watts	Lumen/Watt	Delivered Lumens Per Foot	Input Watts Per Foot
300	4FT	9x9	80	1062	8.67	122	266	2.17
	4FT	10x60	80	1064	8.67	123	266	2.17
	4FT	15x30	80	1010	8.67	116	253	2.17
	4FT	30x60	80	1033	8.67	119	258	2.17
	4FT	40x60	80	957	8.67	110	239	2.17
	4FT	60x60	80	1024	8.67	118	256	2.17
	4FT	WWD	80	917	8.67	106	229	2.17
450	4FT	9x9	80	1654	11.86	139	414	2.97
	4FT	10x60	80	1657	11.86	140	414	2.97
	4FT	15x30	80	1572	11.86	133	393	2.97
	4FT	30x60	80	1608	11.86	136	402	2.97
	4FT	40x60	80	1490	11.86	126	373	2.97
	4FT	60x60	80	1594	11.86	134	399	2.97
	4FT	WWD	80	1428	11.86	120	357	2.97
600	4FT	9x9	80	2222	16.37	136	556	4.09
	4FT	10x60	80	2226	16.37	136	557	4.09
	4FT	15x30	80	2113	16.37	129	528	4.09
	4FT	30x60	80	2160	16.37	132	540	4.09
	4FT	40x60	80	2001	16.37	122	500	4.09
	4FT	60x60	80	2141	16.37	131	535	4.09
	4FT	WWD	80	1919	16.37	117	480	4.09
750	4FT	9x9	80	2751	21.48	128	688	5.37
	4FT	10x60	80	2756	21.48	128	689	5.37
	4FT	15x30	80	2616	21.48	122	654	5.37
	4FT	30x60	80	2675	21.48	125	669	5.37
	4FT	40x60	80	2478	21.48	115	620	5.37
	4FT	60x60	80	2651	21.48	123	663	5.37
	4FT	WWD	80	2376	21.48	111	594	5.37
1000	4FT	9x9	80	3620	30.42	119	905	7.61
	4FT	10x60	80	3627	30.42	119	907	7.61
	4FT	15x30	80	3442	30.42	113	861	7.61
	4FT	30x60	80	3519	30.42	116	880	7.61
	4FT	40x60	80	3260	30.42	107	815	7.61
	4FT	60x60	80	3489	30.42	115	872	7.61
	4FT	WWD	80	3126	30.42	103	782	7.61

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**WARM DIMMING GAMUT AND RANGE**



**A** Golden Range 3000K to 2200K

- 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 (W/C)
- **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.

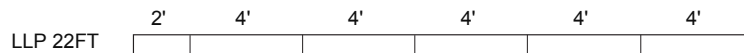
# Surface Tunable White & Warm Dimming Wet Location

## 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.



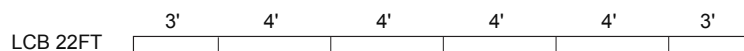
### LSL Longest Same Length:

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).

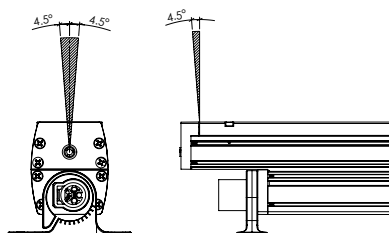


### LCB Longest Center Balanced:

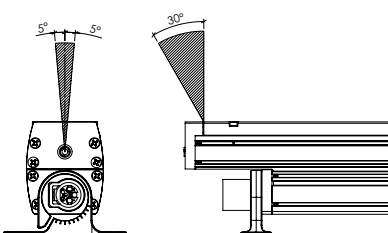
This configuration incorporates the longest center segment(s) along with any additional lengths required to fill located at each end. Example: 22FT row would have (2) 3FT segments (one at each end) and (4) 4FT intermediate segments located in between.



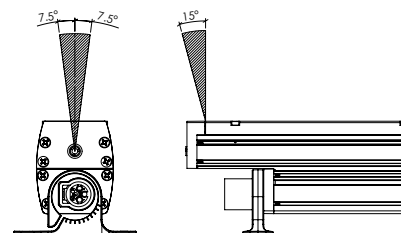
## DISTRIBUTION



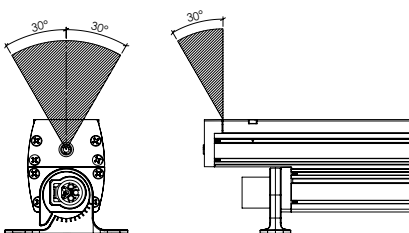
9x9 Degree



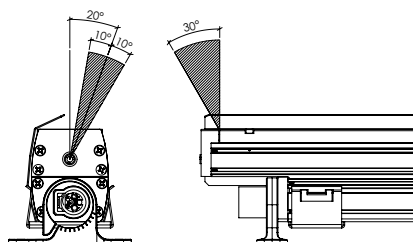
10x60 Degree



15x30 Degree

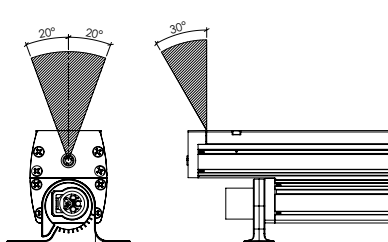


60x60 Degree

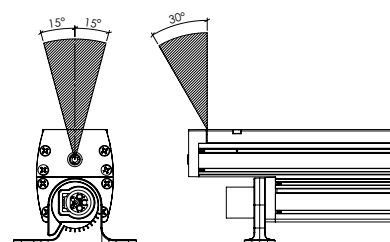


WW Wall Wash  
(Asymmetric)

\*Shown with supplied snap-on visor



40x60 Degree

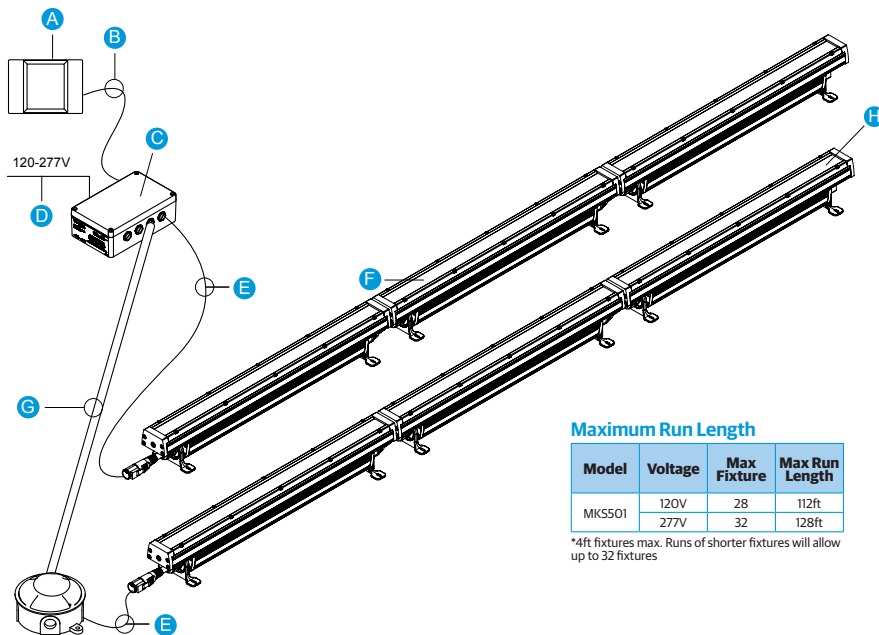


30x60 Degree



## BASIC SYSTEM WIRING INFORMATION

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.

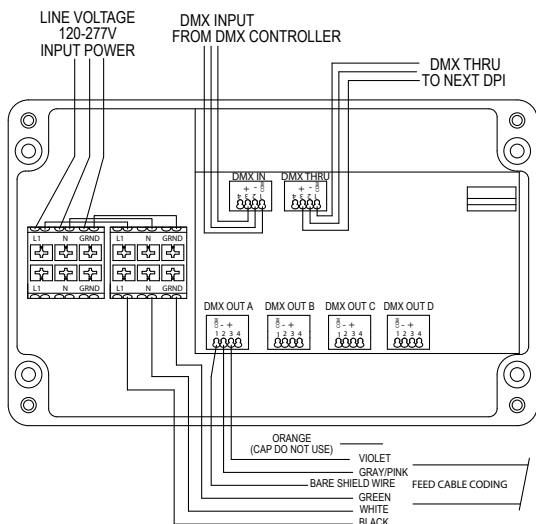


Maximum Run Length

Model	Voltage	Max Fixture	Max Run Length
MKS501	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 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.

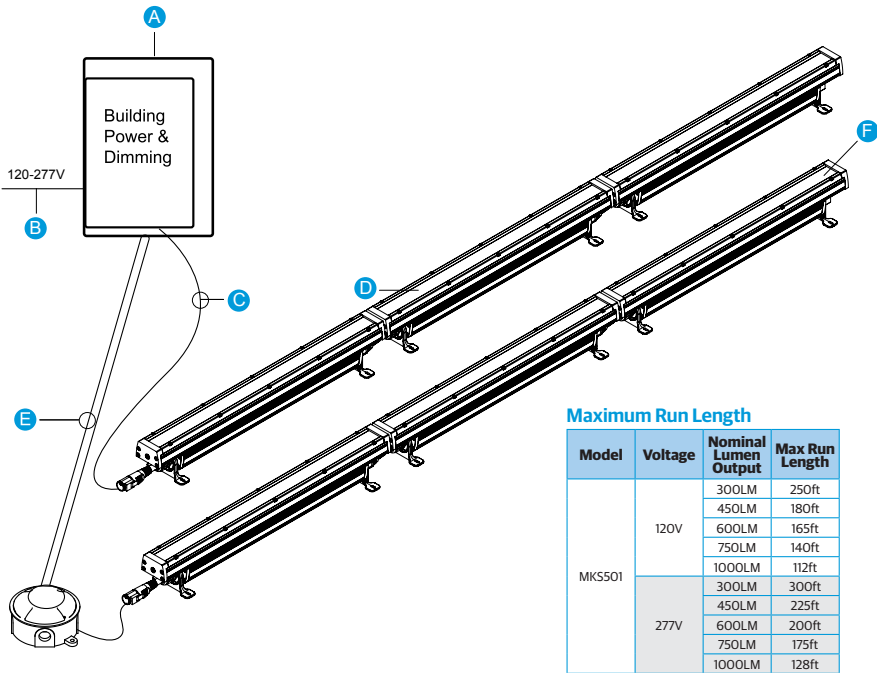
- H** To ensure data integrity, a termination/sealing cap with 120 Ohm resistor is required at the last luminaire in each run. See installation instructions.

### Fresco Control System

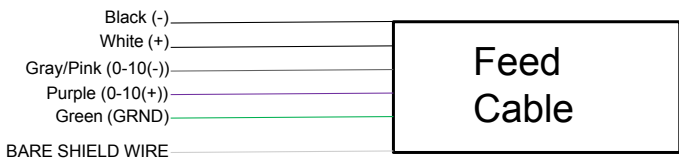


BASIC SYSTEM WIRING INFORMATION WITHOUT DMX

This very basic system wiring diagram provides an overview of components and materials required for a simple installation of MKS501 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.



Feed Cable Wiring



- \*Notes
- 1) Cap BARE SHIELD WIRE in Junction box. (By Others)
  - 2) When not using 0-10V dimming, cap Gray/Pink 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.

- 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.



## 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

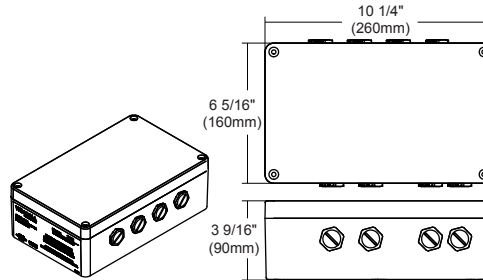


Refer to [FRESCO](#) spec sheet for additional details and options.

### DMX / Power Integrator

Model
-------

**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

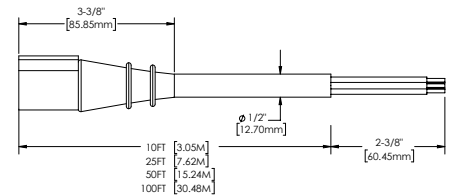
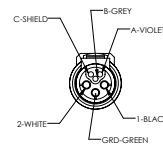
Storage Temperature	40° F - 185° F
Start-up Temperature	13° F - 122° F
Operating Temperature	13° F - 122° F
Ingress Protection Rating	IP65
Environment	Suitable for indoor and outdoor applications

### 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)



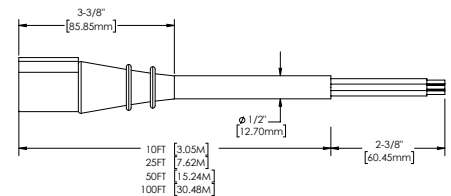
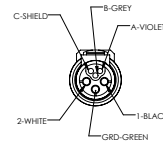
Carries DMX signal and 120-277 line voltage power to right end of first fixture in run. Supplied with termination/sealing cap.  
\*Use one feed cable per run only.\*

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

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

Model
-------

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



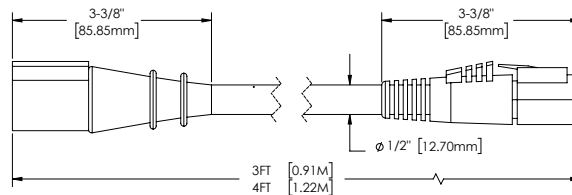
Carries NON-DMX signal and 120-277 line voltage power to right end of first fixture in run. Supplied with termination/sealing cap.  
\*Use one feed cable per run only.\*

**ACCESSORY OPTIONS (CONTINUED)**

**Jumper Cable \*Optional\***

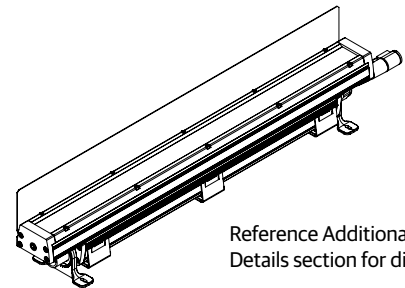
Model	
<b>MJCLW3L BCRD</b>	3FT Jumper Cable Exterior Location (Black)
<b>MJCLW4L BCRD</b>	4FT Jumper Cable Exterior Location (Black)

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\***

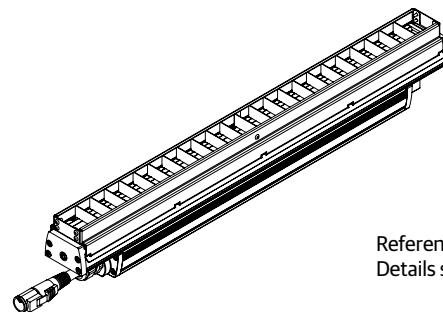
Model	Fixture Section	Finish	Option
<b>MGVL5</b> Glare Visor Linear Surface	<b>U2</b> 2FT Length Unit	<b>BKT</b> Black Textured Paint	<b>WL</b> Wet Location
	<b>U3</b> 3FT Length Unit	<b>SIT</b> Silver Textured Paint	
	<b>U4</b> 4FT Length Unit	<b>WTP</b> White Textured Paint	
		<b>RALTBD</b> RAL Paint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



Reference Additional Accessory Details section for dimensions

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

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



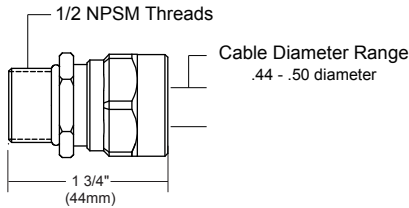
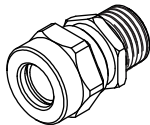
Reference Additional Accessory Details section for dimensions

ACCESSORY OPTIONS (CONTINUED)

Liquid-Tight Cord Grip

Model
-------

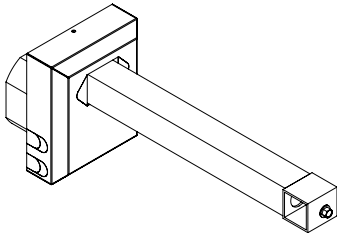
**MCORDGP2** Liquid-Tight Cord Grip  
(Use to secure and seal feed cord to DPI Box)



Connector to secures and seal feed cord.

Brackets \*Optional\*

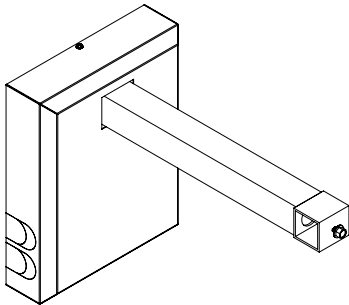
Series	Finish
<b>MCBT6</b> Cantilever Bracket 6" Projection	<b>BKT</b> Black Textured Paint
<b>MCBT12</b> Cantilever Bracket 12" Projection	<b>SIT</b> Silver Textured Paint
<b>MCBT18</b> Cantilever Bracket 18" Projection	<b>WTP</b> White Textured Paint
	<b>RALTB</b> RAL Paint Finish
	<b>CPF</b> Custom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

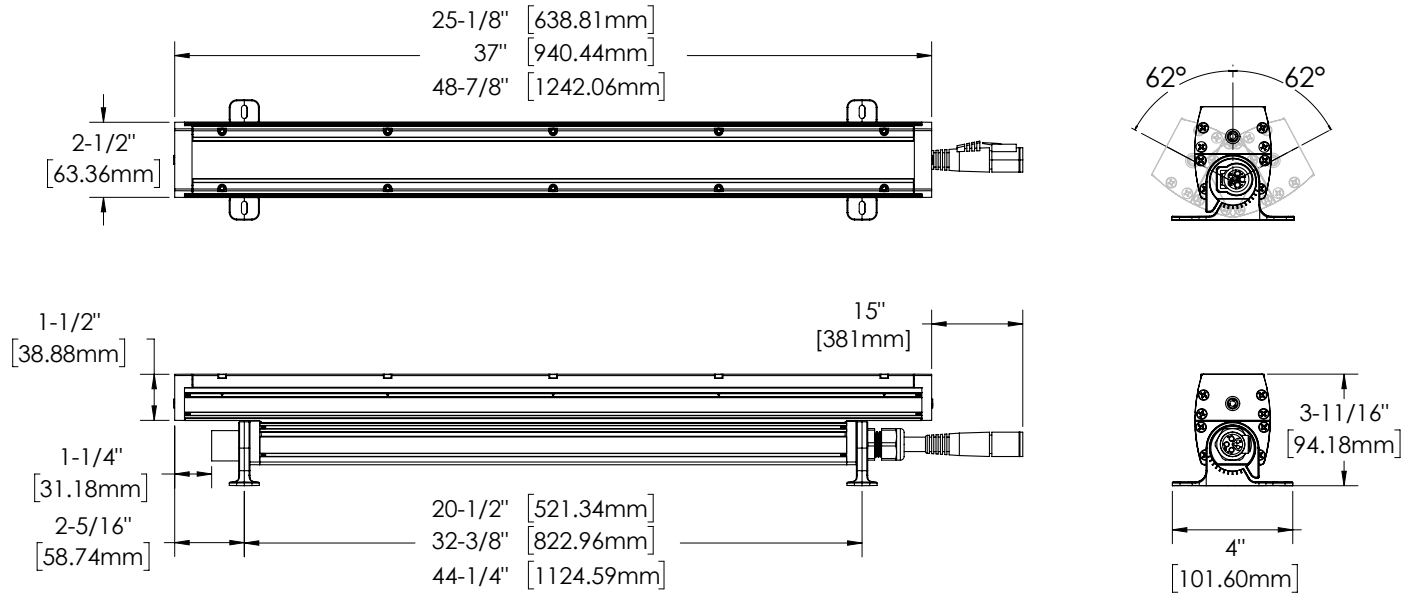


For use with surface mount junction box (by others) and surface mounted conduit (by others).

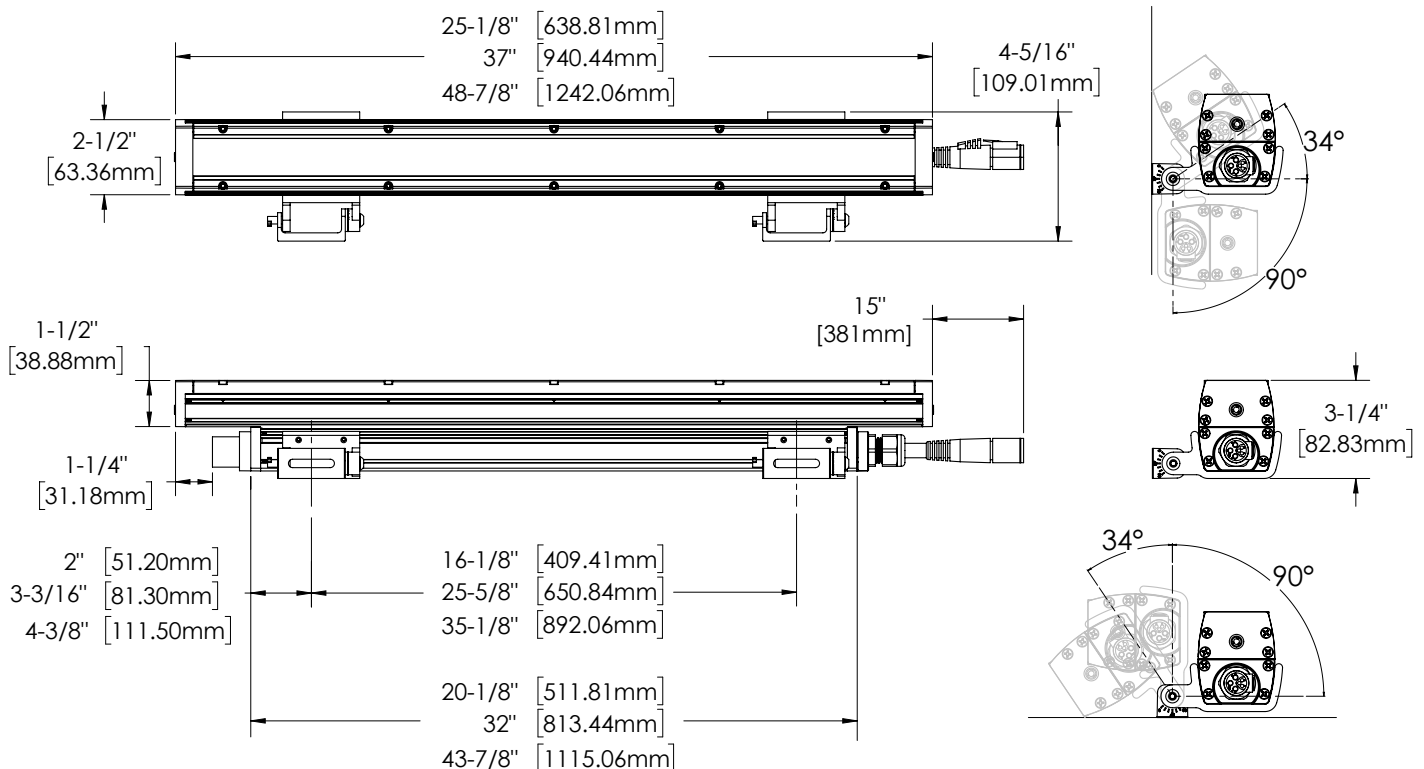
Reference Additional Accessory Details section for dimensions

**DRAWING DETAILS**

**M500ADJC1 - Adjustable Mount Center Axis**



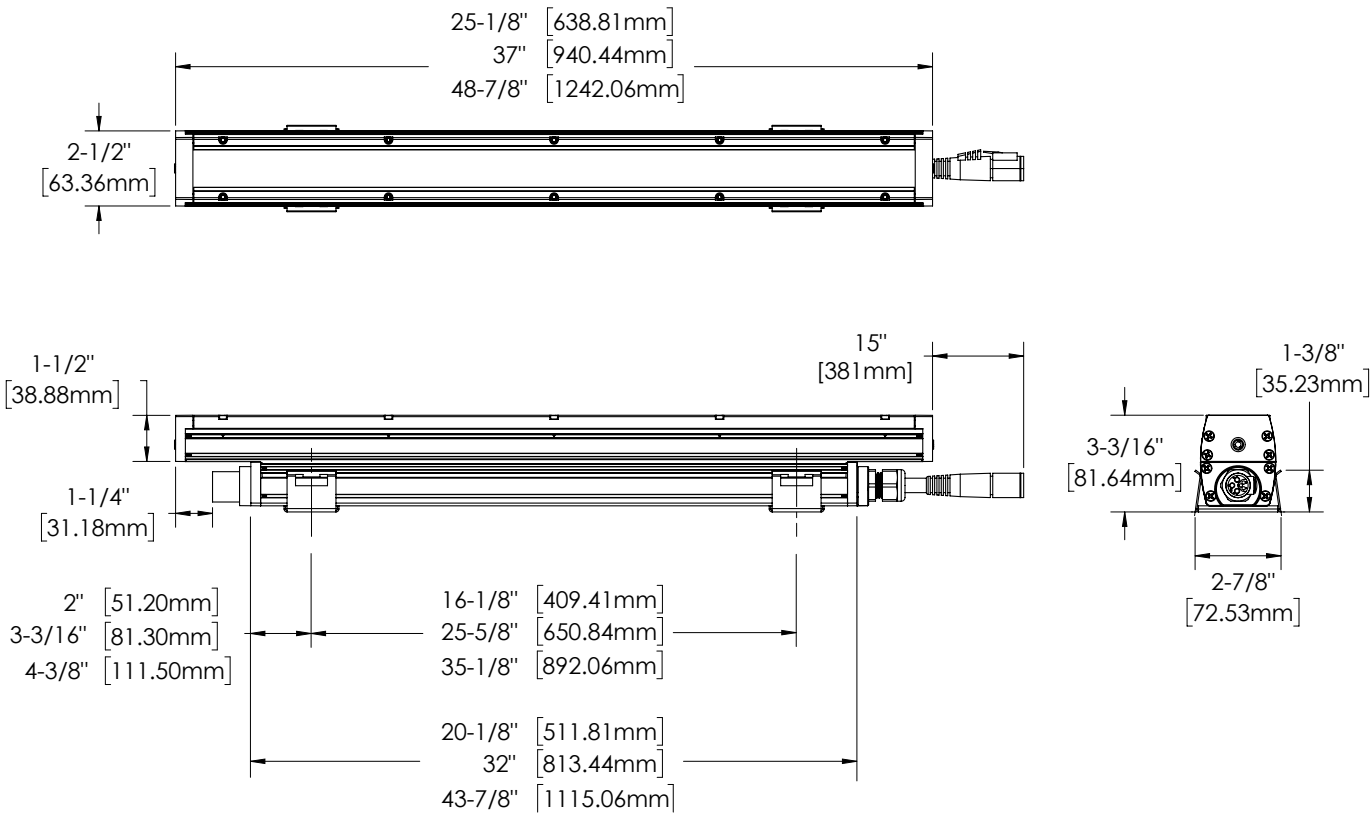
**M500ADJH2 - Adjustable Mount Side Hinge**



**MARKLINE**  
Surface Tunable White & Warm Dimming  
Wet Location

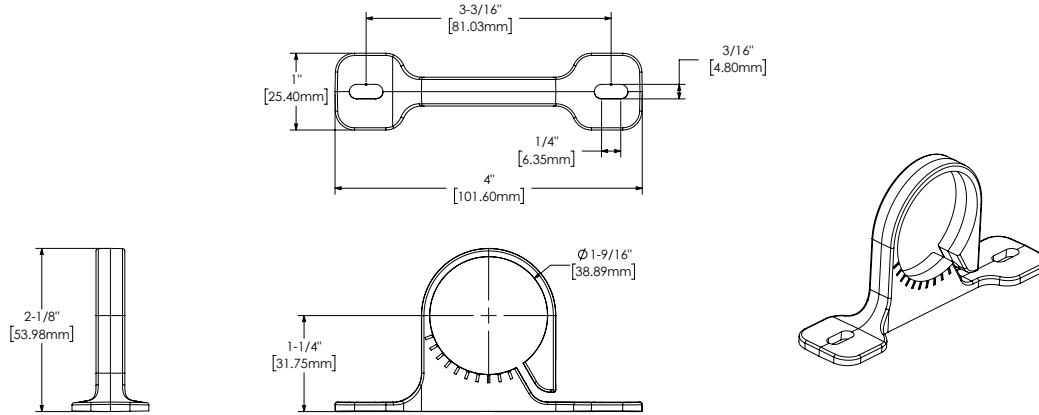
**DRAWING DETAILS (CONTINUED)**

**M500FMC - Fixed Mount**

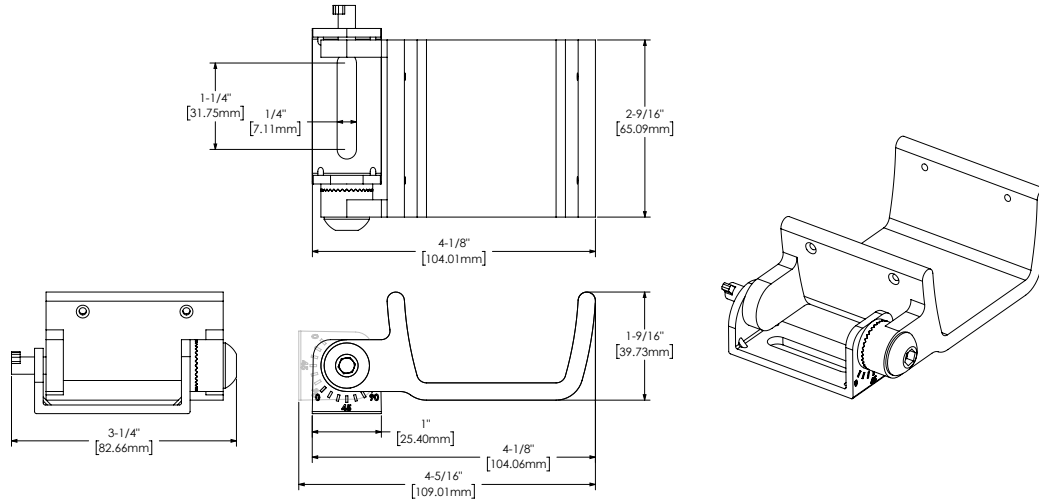


**DRAWING DETAILS (CONTINUED)**

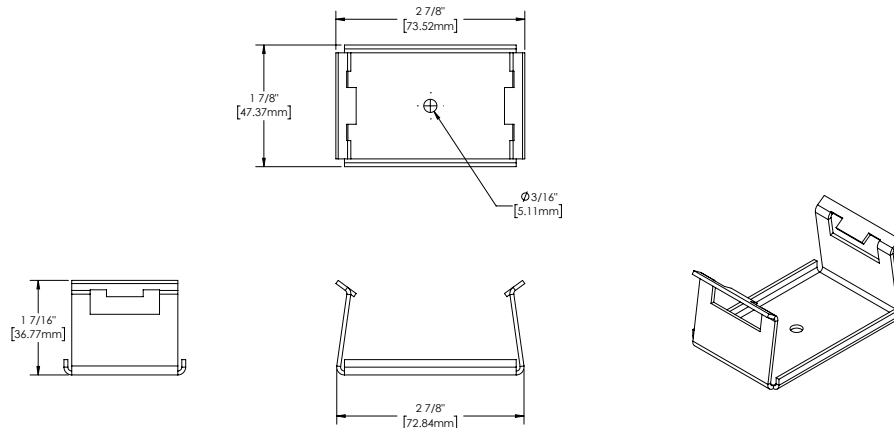
**M500ADJC1 - Adjustable Mount Center Axis Detail**



**M500ADJH2 - Adjustable Mount Side Hinge Detail**



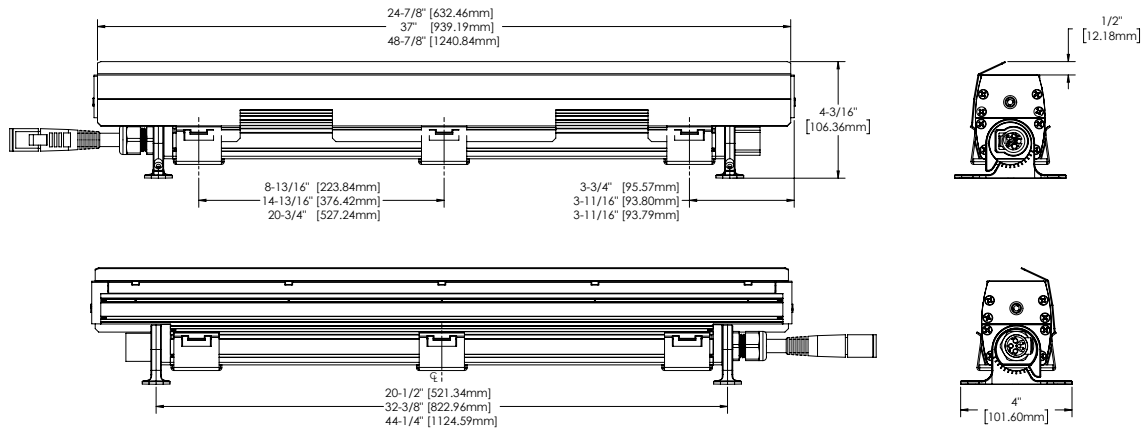
**M500FMC - Fixed Mount Detail**



**DRAWING DETAILS (CONTINUED)**

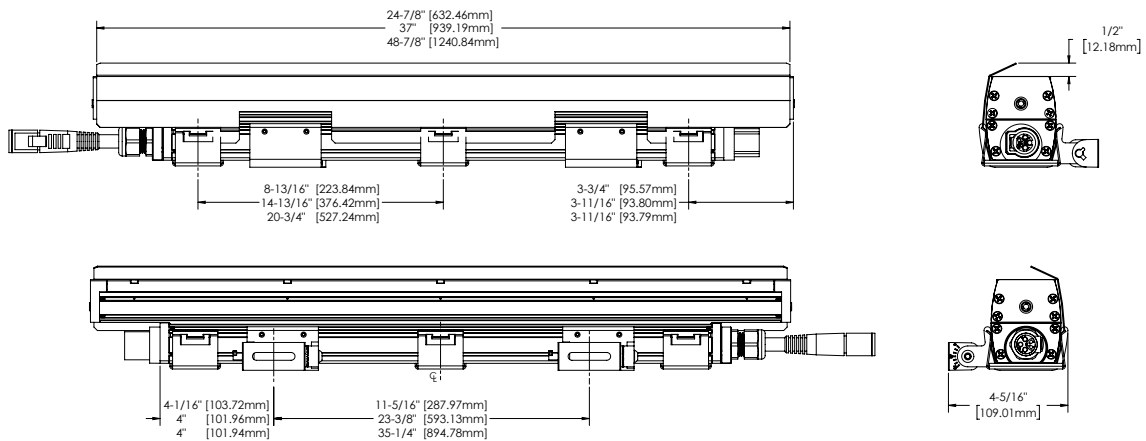
**WW Asymmetric Glare Visor with M500ADJC1 Mount**

\*Automatically included when WW distribution is ordered.\*



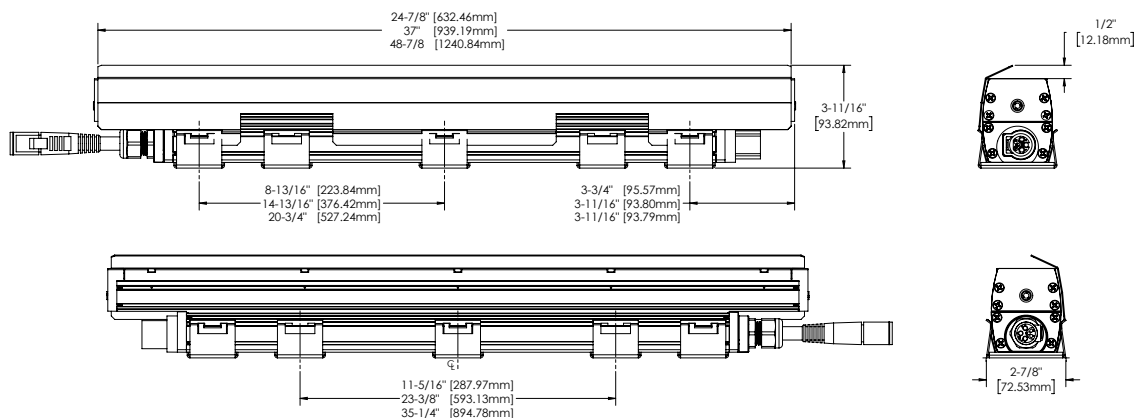
**WW Asymmetric Glare Visor with M500ADJH2 Mount**

\*Automatically included when WW distribution is ordered.\*



**WW Asymmetric Glare Visor with M500FMC Mount**

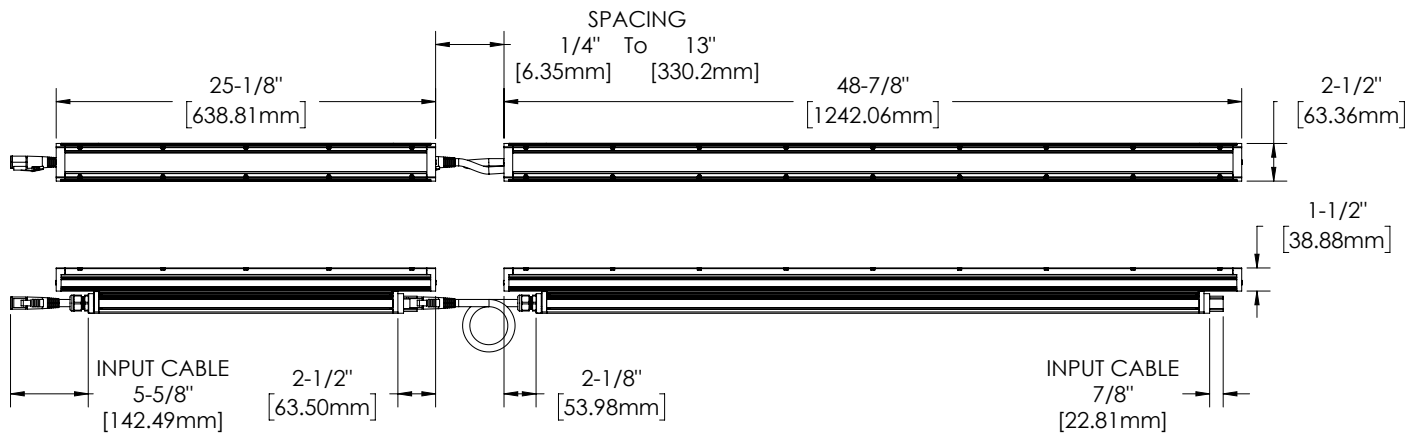
\*Automatically included when WW distribution is ordered.\*





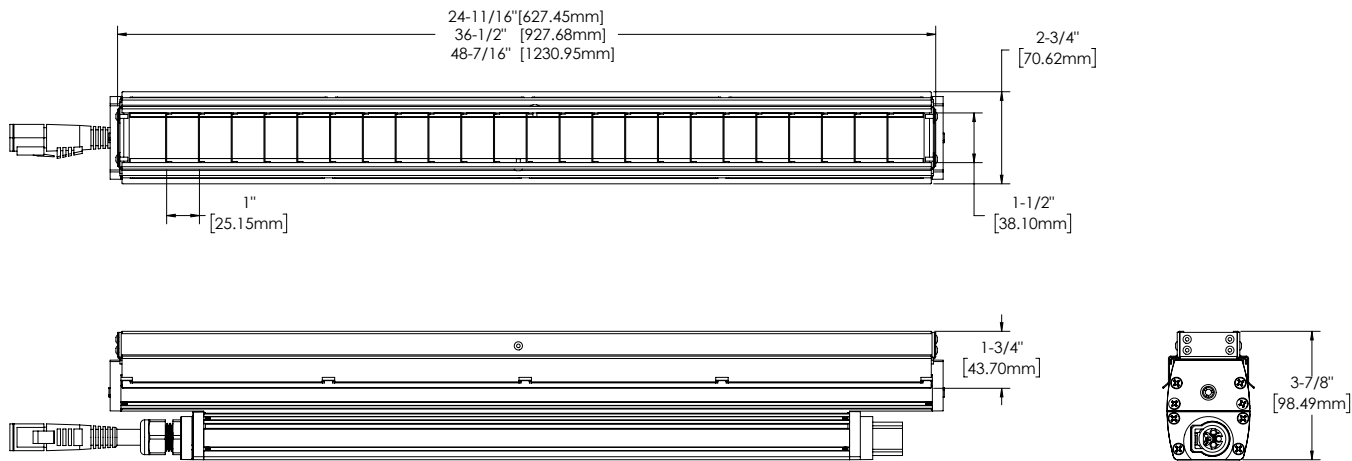
**DRAWING DETAILS (CONTINUED)**

**MKS501 Series Typical End-To-End Run Configuration**



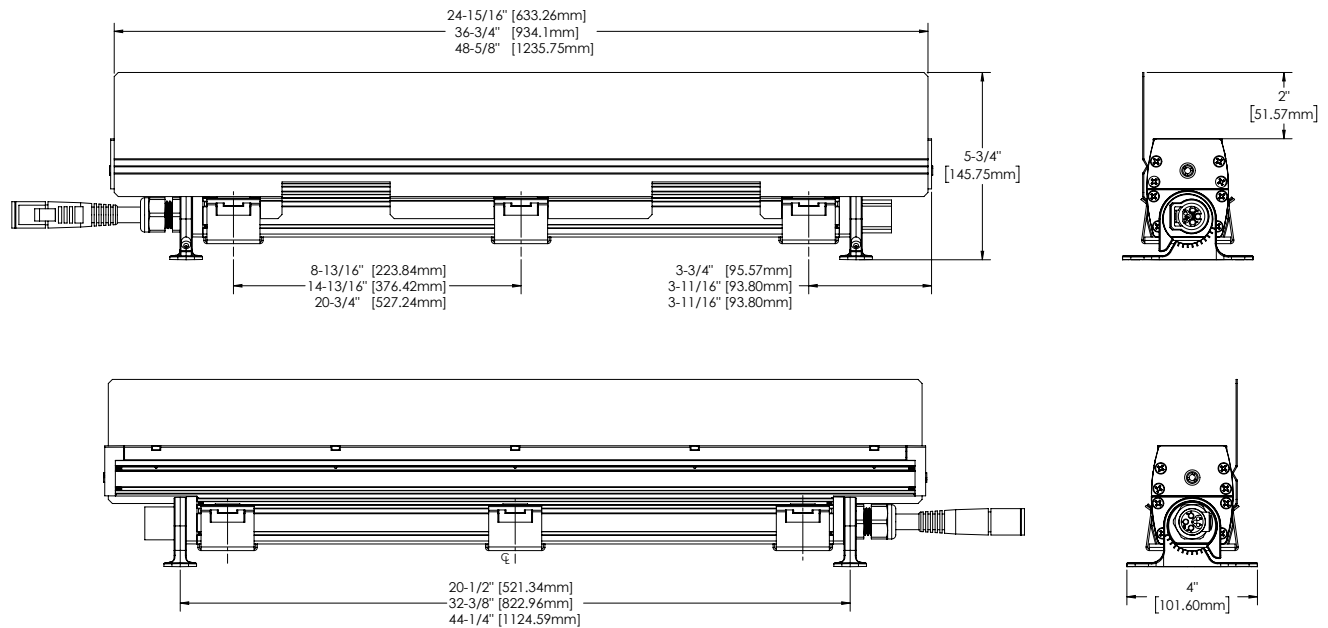
**ADDITIONAL ACCESSORY DETAILS**

**Baffle Linear Surface**

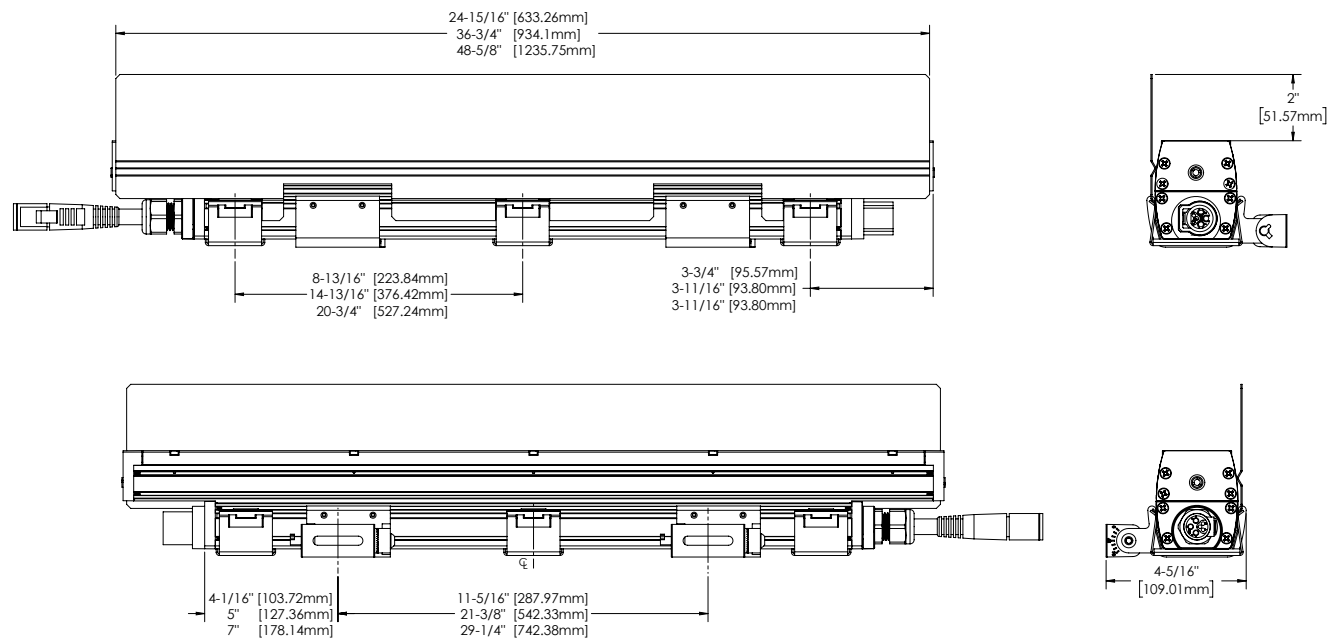


**ADDITIONAL ACCESSORY DETAILS (CONTINUED)**

**Glare Visor with M500ADJC1 Mount**

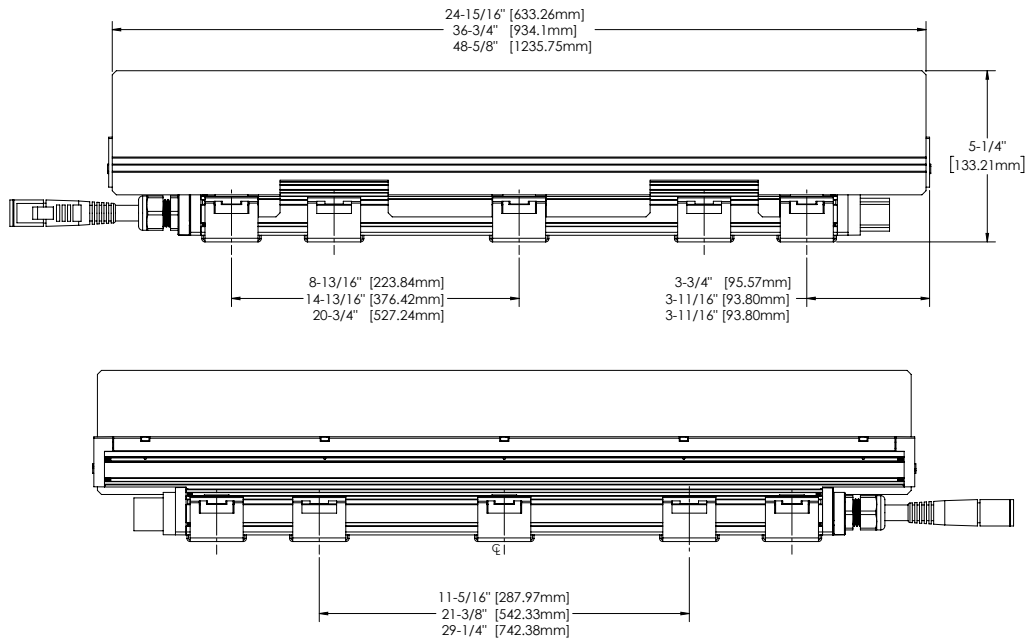


**Glare Visor with M500ADJH2 Mount**

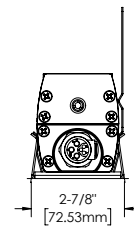
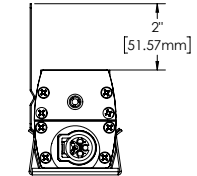


**ADDITIONAL ACCESSORY DETAILS (CONTINUED)**

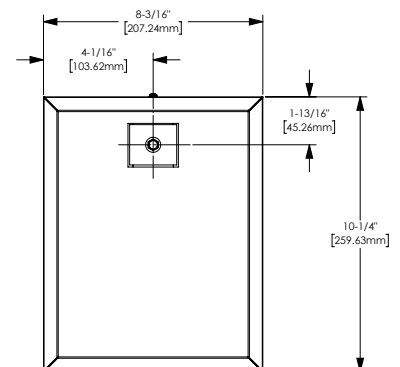
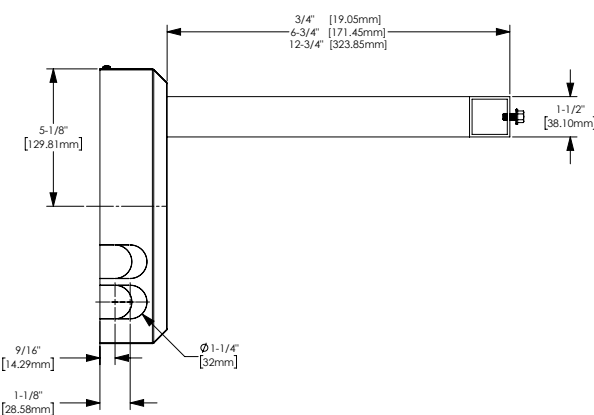
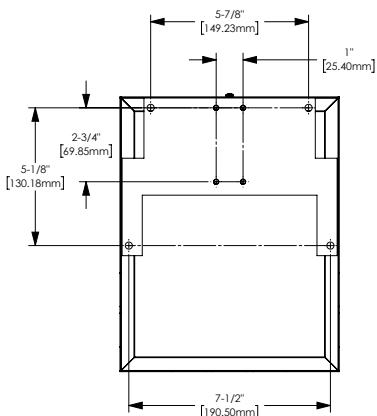
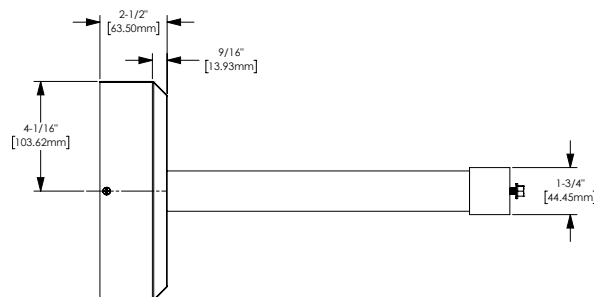
**Glare Visor with M500FMC Mount**



\*The (3) visor clips can also be used for mounting fixture to surface.

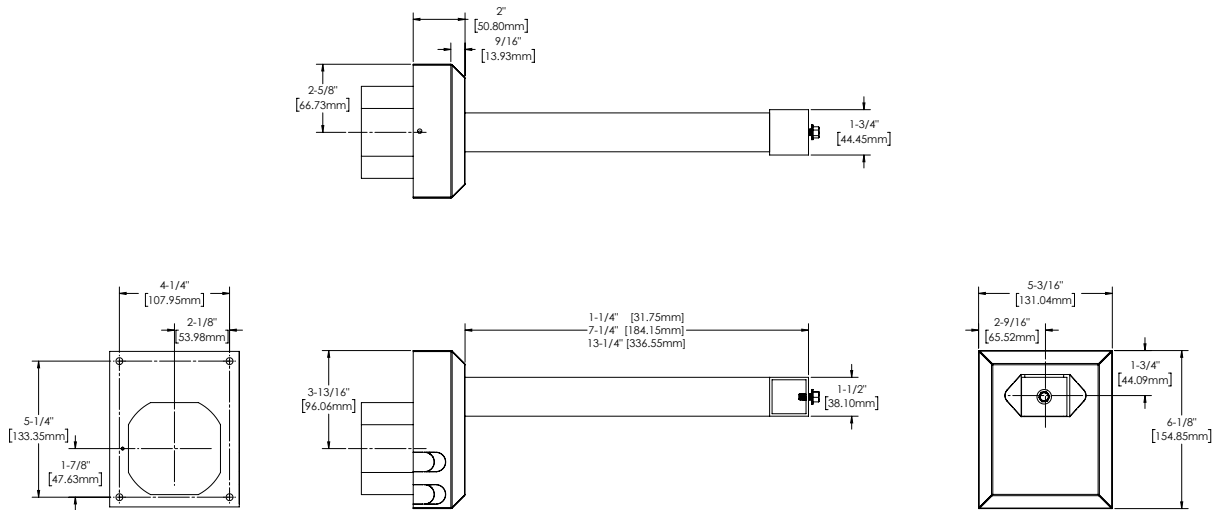


**Cantilever Bracket Large Detail**

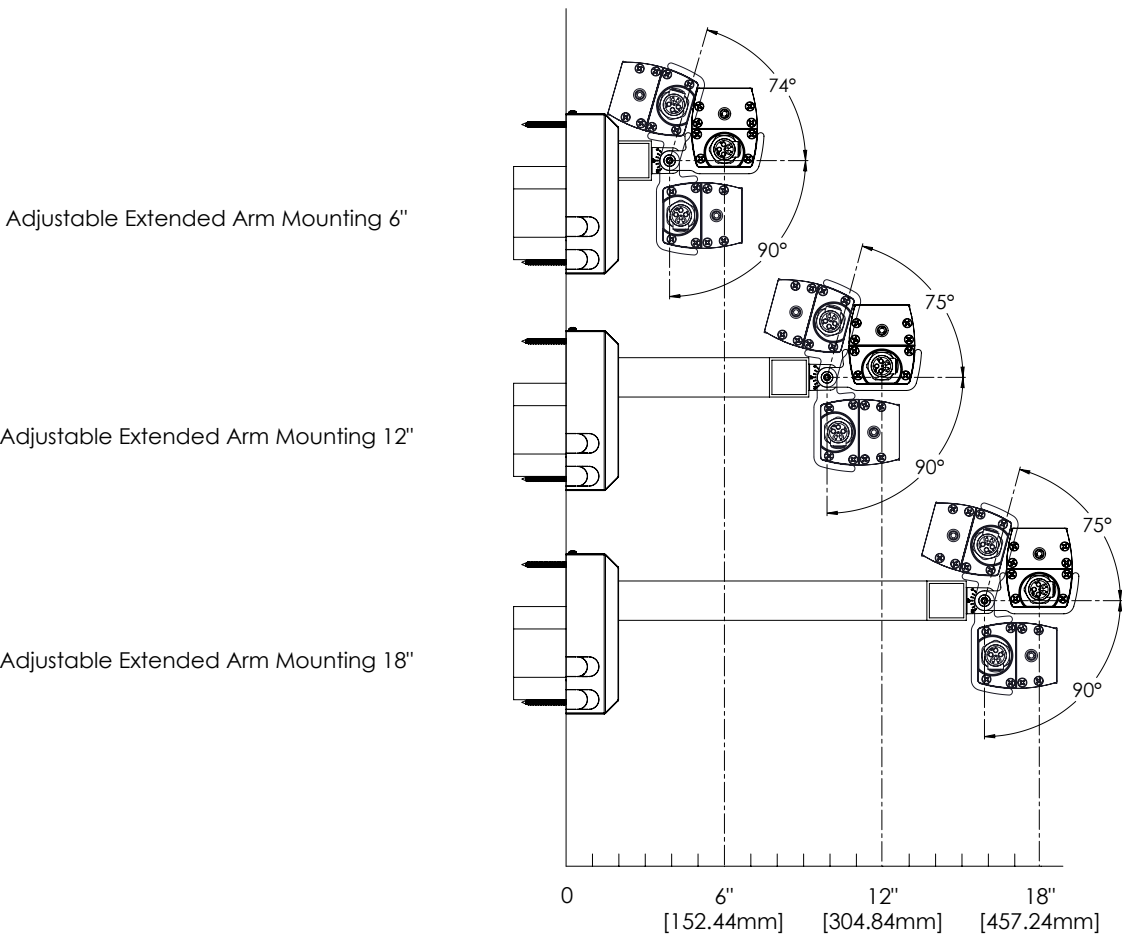


**ADDITIONAL ACCESSORY DETAILS (CONTINUED)**

**Cantilever Bracket Detail**

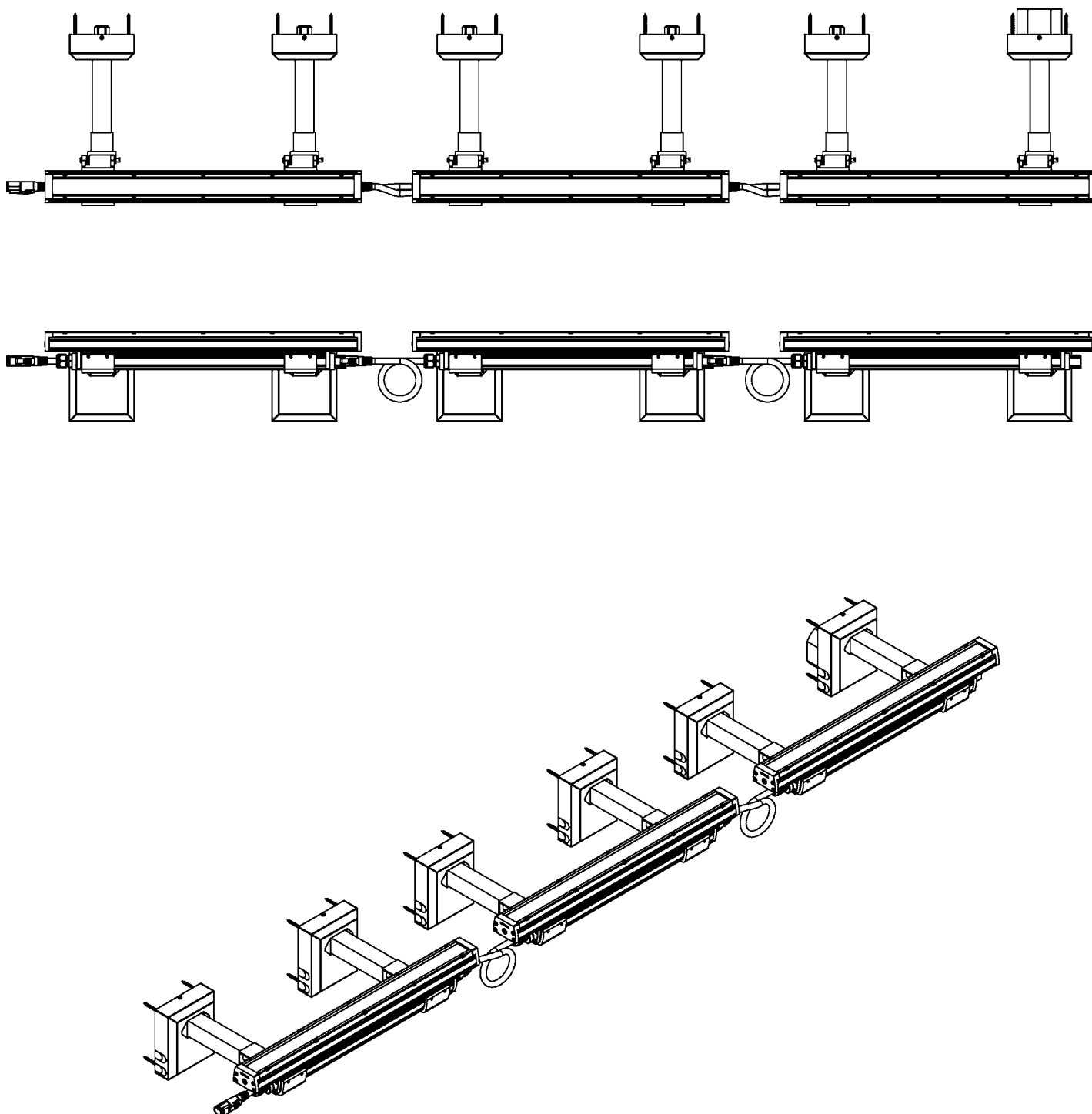


**Cantilever Bracket Detail with M500ADJH2 and Fixture**



**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)**



## Surface Tunable White & Warm Dimming Wet Location

### 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 WPT & SIT finishes

**Lens Material:** Extruded acrylic

**Lumen Maintenance:** RHYR (9° x 9°, 10° x 60°): 60,000 hours L70 @ +120deg C. LAYR (9° x 9°, 10° x 60°): 120,000 hours L70 @ +55deg C RHYR & LAYR (15° x 30°, 30° x 60°, 40° x 60°, 60° x 60°, WWD): 120,000 hours L70 @ +55deg C. (9° x 9°, 10° x 60°, 15° x 30°, 30° x 60°, 40° x 60°, 60° x 60°, WWD): 60,000 hours L70 @ +120deg 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:** TUWH: Fresco DMX512 controller. WDIM: 0-10V dimmer control

**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](http://www.acuitybrands.com/resources/buy-american) for additional information.

**Warranty:** 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** 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