



HLF501

Linear Flood

Dynamic Color RGBW

HIGHLIGHTS

- Surface mount luminaire designed to graze or wash architectural features or facades with theatrical lighting
- One-piece extruded aluminum housing lending both high quality and longevity.
- IP66 rated per IEC60598
- Available in 2ft, 3ft, or 4ft lengths with wide open distribution, placing the light where it is required.
- DMX controllable with Remote Device Management (RDM) capability
- 3G vibration rated per ANSI C136.31

5
YEAR
warranty

ARCHITAINMENT
COLOR

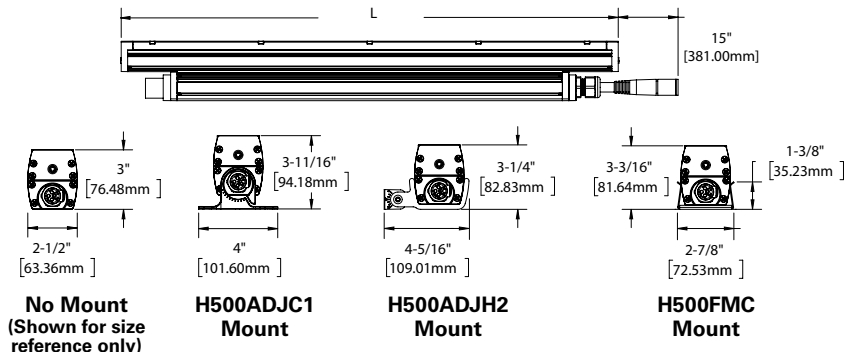
66
IP RATED


Buy American

Specifications

Model	Length	Weight
HLF501	25 - 1.8" (639mm)	7.5 lbs (3.40kg)
	37" (941mm)	11 lbs (4.98kg)
	48 - 7/8" (1242mm)	13 lbs (5.90kg)

DIMENSIONS



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

ORDERING INFORMATION

EXAMPLE: HLF501 LCB 2FT MSL2 650LMF ARTC RGBW MVOLT 9x9DEG FCA H500ADJH2 CWM6 HVSR DARK FCCSL100D DMX BKT

Series*		Linear Plan*		Total Run Length*		Maximum Fixture Length*		LED Output*		Dynamic Feature*		
HLF501	Hydrel Linear Flood	LCB	Linear Center Balance	#FT	Total Run Length offered in 1FT increments starting at 2FT. See page 5 for maximum run lengths	MSL2	2FT Section Length	650LMF	650 Nominal Lumens Per Foot	ARTC	Architainment Color	
		LLP	Linear Longest Possible			MSL3	3FT Section Length	750LMF	750 Nominal Lumens Per Foot			
		LSL	Linear Same Length			MSL4	4FT Section Length					
Color Temperature*		Voltage*		Distribution*		Lens*		Mounting*				
RGBW	Dynamic Color Red Green Blue + White	MVOLT	120V-277V	9X9DEG	9 x 9 Degrees	FCA	Frosted Clear Acrylic	H500ADJC1	Adjustable Mount Center Axis			
				10X60DEG	10 x 60 Degrees			H500ADJH2	Adjustable Mount Side Hinge			
				15X30DEG	15 x 30 Degrees			H500FMC	Fixed Mount			
				30X60DEG	30 x 60 Degrees							
				40X60DEG	40 x 60 Degrees							
				60X60DEG	60 x 60 Degrees							
		WWD	Wall Wash (Asymmetric)									
				**WWD option supplied with a snap-on visor								
Mounting Accessories Optional		Extra Shielding Optional		Dimming*		Cord Set Length*		Control Input*		Finish*		
CWM6	Cantilever Wall Mount 6" Projection	HBFL	Baffle Linear Surface (Matte Black Finish)	DARK	Constant Current, Dimming to <1%	FCCSL100D	100FT Feed Cable Wet Location with DMX Plug	DMX	DMX	BKT	Black Textured Paint	
CWM12	Cantilever Wall Mount 12" Projection	HVSR	Glare Visor Linear Surface (Finish to match housing)			FCCSL10D	10FT Feed Cable Wet Location with DMX Plug			SIT	Silver Textured Paint	
CWM18	Cantilever Wall Mount 18" Projection					FCCSL25D	25FT Feed Cable Wet Location DMX Plug			WHT	White Textured Paint	
CWML6	Cantilever Wall Mount Large 6" Projection					FCCSL50D	50FT Feed Cable Wet Location DMX Plug			CF	Custom Painted Finish	
CWML12	Cantilever Wall Mount Large 12" Projection					NOFCL	No Power Feed Cable			RAL TBD RAL Paint Finish RAL TBD for pricing only, replace with applicable RAL call out when ready to order. See the Architectural RAL Color brochure for available options.		
CWML18	Cantilever Wall Mount Large 18" Projection											
Note: Must have 500ADJH2 mounting selected												

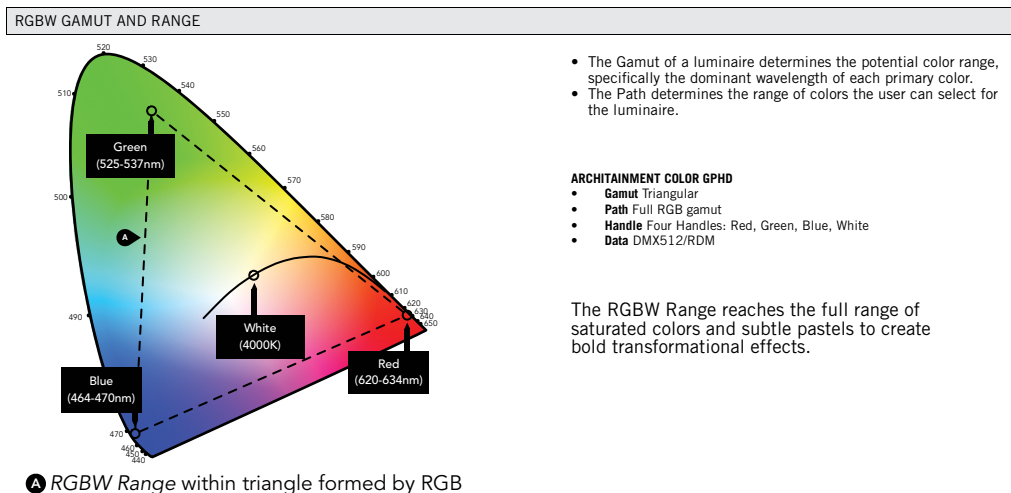
Note: * is a required field

Accessories

Controller (Fresco Control System)	See page 6-8
Controller (Easy™ Solo / Touch / Pro)	See page 6-8
DMX-Power Integrator (required for installation)	See page 6-8
Feed Cable (required for installation)	See page 6-8
Jumper Cable	See page 6-8
Liquid-Tight Cord Grip	See page 6-8
Glare Visor	See page 6-8
Baffle	See page 6-8
Brackets	See page 6-8

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	
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	

IES data is available at www.winona-lighting.com. Refer to website for the latest IES file updates.

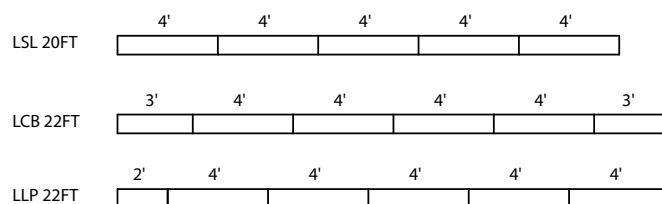


Linear Plan

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

LSL Linear 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 Linear Center Balanced:

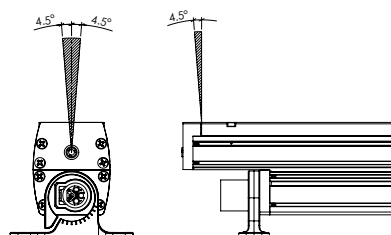
This configuration incorporates the longest center segment(s) along with any additional lengths required to fill located at each end.

Example: 22FT row would have (2) 3FT segments (one at each end) and (4) 4FT intermediate segments located in between.

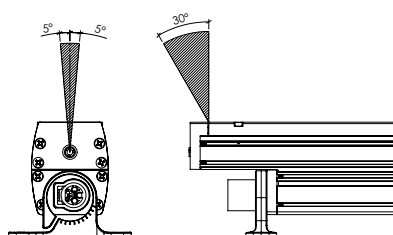
LLP Linear Longest Possible:

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.

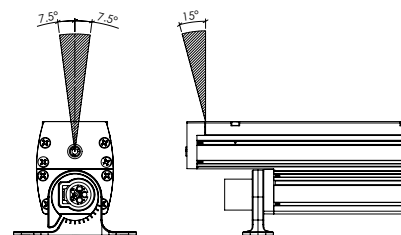
DISTRIBUTION



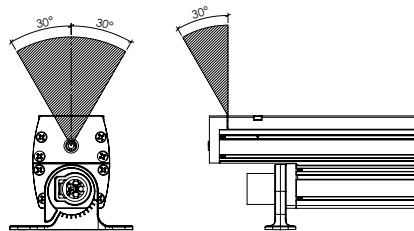
9x9 Degree



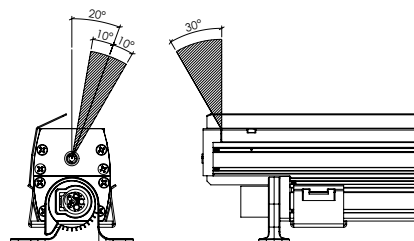
10x60 Degree



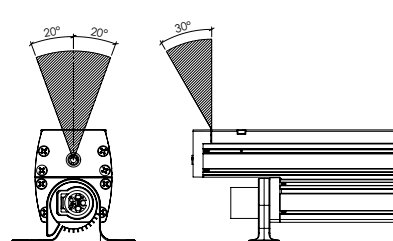
15x30 Degree



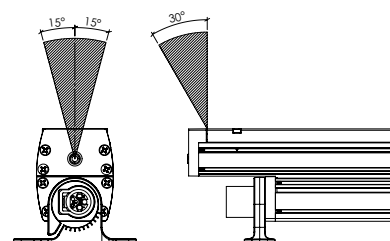
60x60 Degree


WWD Wall Wash
(Asymmetric)

*Shown with supplied snap-on visor



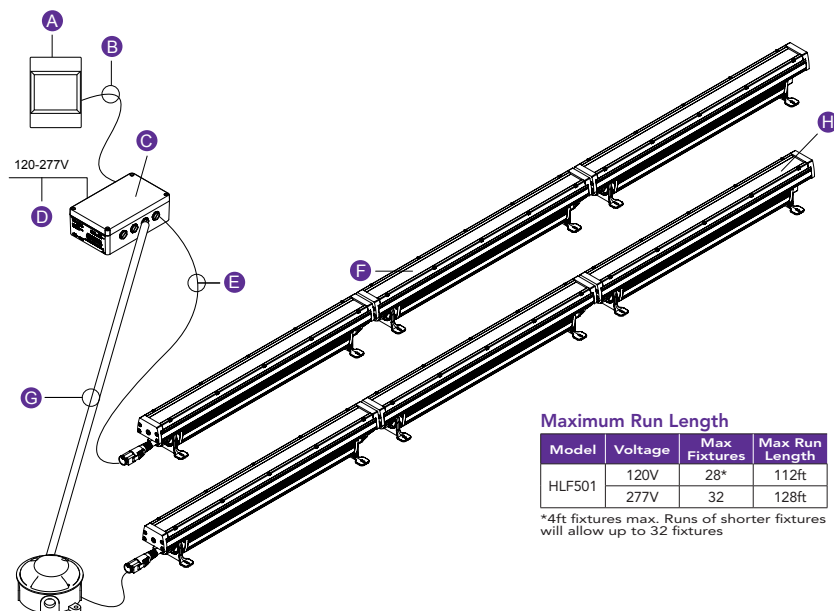
40x60 Degree



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 HLF501 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.

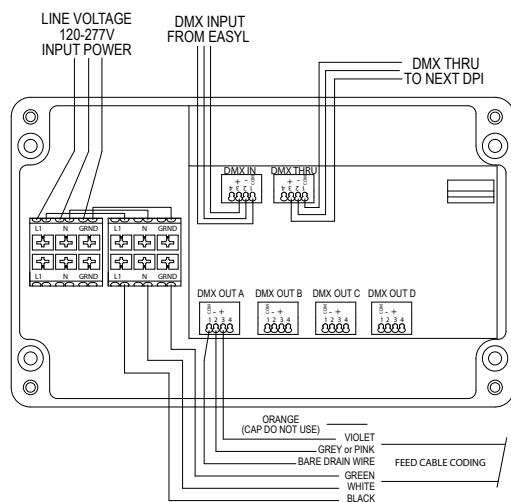


Maximum Run Length

Model	Voltage	Max Fixtures	Max Run Length
HLF501	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 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:

EasyL

- 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 HLF501 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.

EasyL 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)

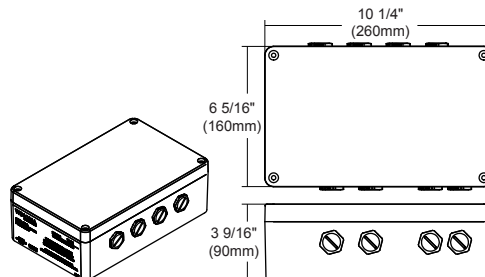
Series	Voltage	Finish
EZSOLO Easy! Solo EZTOUCH Easy! Touch EZPRO Easy! Pro	MVOLT 120V-277V VAC, 50/60 Hz	BK Black WH White



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

DMX / Power Integrator

Model
DPI4WHYD DPI4WHYD- 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.

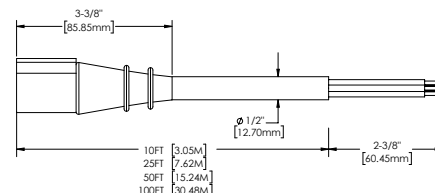
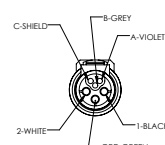
Environmental Information

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, left or right, required per installation

Model
FCCSL100D 100FT Feed Cable Wet Location with DMX Plug
FCCSL10D 10FT Feed Cable Wet Location with DMX Plug
FCCSL25D 25FT Feed Cable Wet Location DMX Plug
FCCSL50D 50FT Feed Cable Wet Location DMX Plug
NOFCL No Power Feed Cable



Carries DMX signal and 120-277 line voltage power to right end of first fixture in run.

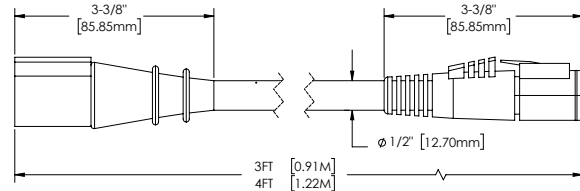
Supplied with termination/sealing cap.
Use one feed cable per run only.

ACCESSORY OPTIONS (CONTINUED)

Jumper Cable EXTERIOR (Linear) *Optional*

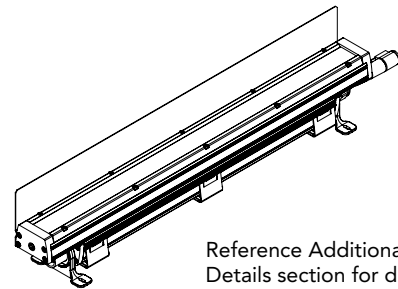
Model	
HJCLW3L	3FT Jumper Cable Exterior Location (Black)
HJCLW4L	4FT Jumper Cable Exterior Location (Black)

Standard fixture is supplied with 15" cable to connect from one fixture to the other 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*

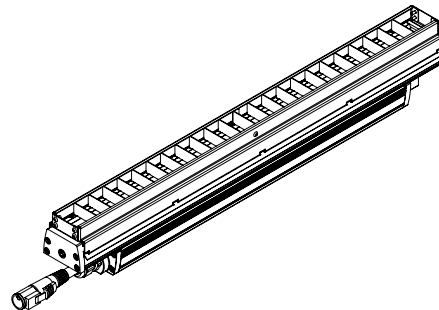
Model		Fixture Section		Finish	
HVSRS	Glare Visor Linear Surface	U2	2FT Length Unit	BKT	Black Textured Paint
		U3	3FT Length Unit	SIT	Silver Textured Paint
		U4	4FT Length Unit	WHT	White Textured Paint
				RALTBD	RAL Paint Finish
				CF	Custom Painted Finish



Reference Additional Accessory Details section for dimensions

Baffle (Linear) *Optional*

Model		Fixture Section	
HBFL5	Baffle Linear Surface (Available in matte black finish only)	U2	2FT Length Unit
		U3	3FT Length Unit
		U4	4FT Length Unit

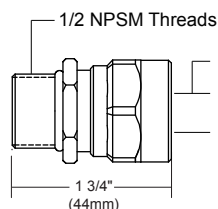
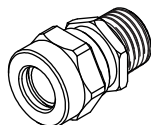


Reference Additional Accessory Details section for dimensions

ACCESSORY OPTIONS (CONTINUED)

Liquid-Tight Cord Grip *Optional*

Model	
HCORDGP2	Liquid-Tight Cord Grip (Use to secure and seal feed cord to DPI Box)

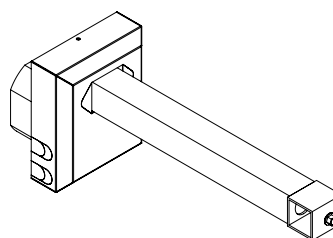


Connector to secures and seal feed cord to DPI Box.

Cable Diameter Range
.44 - .50 diameter

Brackets *Optional*

Series		Finish	
CWM12	Cantilever Wall Mount 12" Projection	BKT	Black Textured Paint
CWM18	Cantilever Wall Mount 18" Projection	SIT	Silver Textured Paint
		WHT	White Textured Paint
CWM6	Cantilever Wall Mount 6" Projection	RALBD	RAL Paint Finish
		CF	Custom Painted Finish

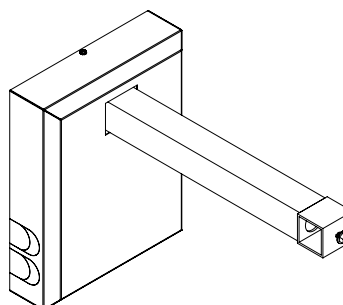


For use with recessed or remote junction box locations. Junction box (by others).

Reference Additional Accessory Details section for dimensions

Brackets *Optional*

Series		Finish	
CWML12	Cantilever Wall Mount Large 12" projection	BKT	Black Textured Paint
CWML18	Cantilever Wall Mount Large 18" projection	SIT	Silver Textured Paint
		WHT	White Textured Paint
CWML6	Cantilever Wall Mount Large 6" projection	RALBD	RAL Paint Finish
		CF	Custom Painted Finish

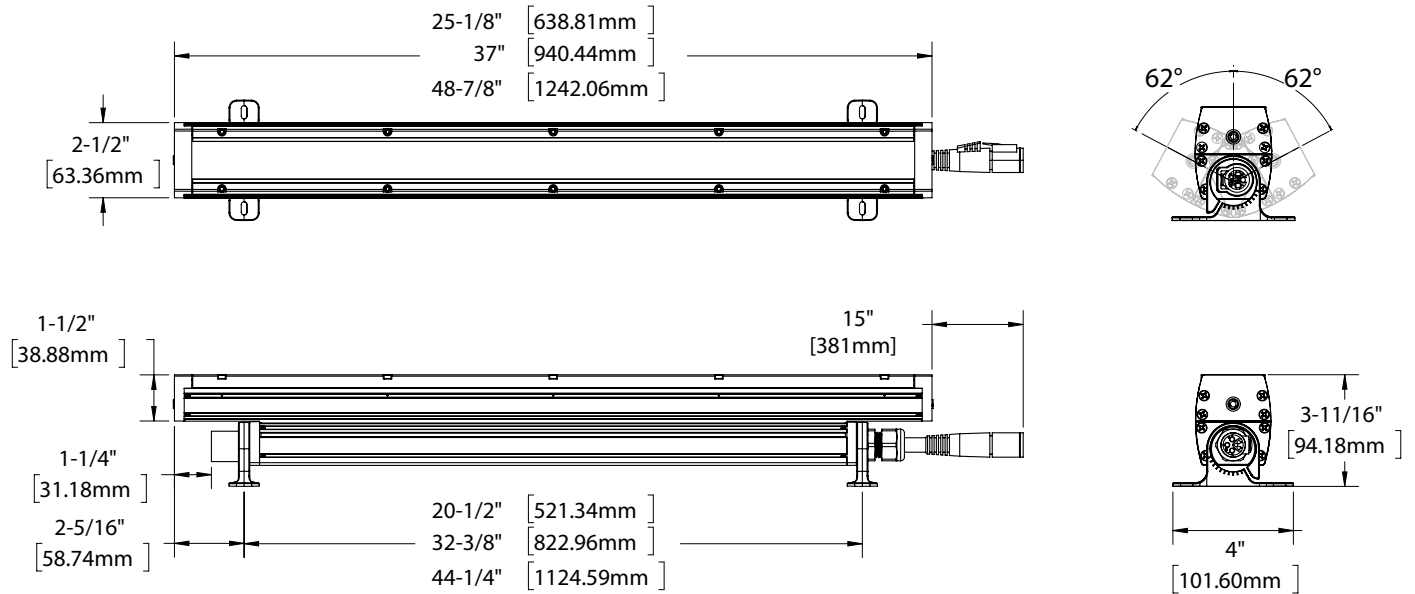


For use with surface mount junction box (by others) and surface mounted conduit (by others).

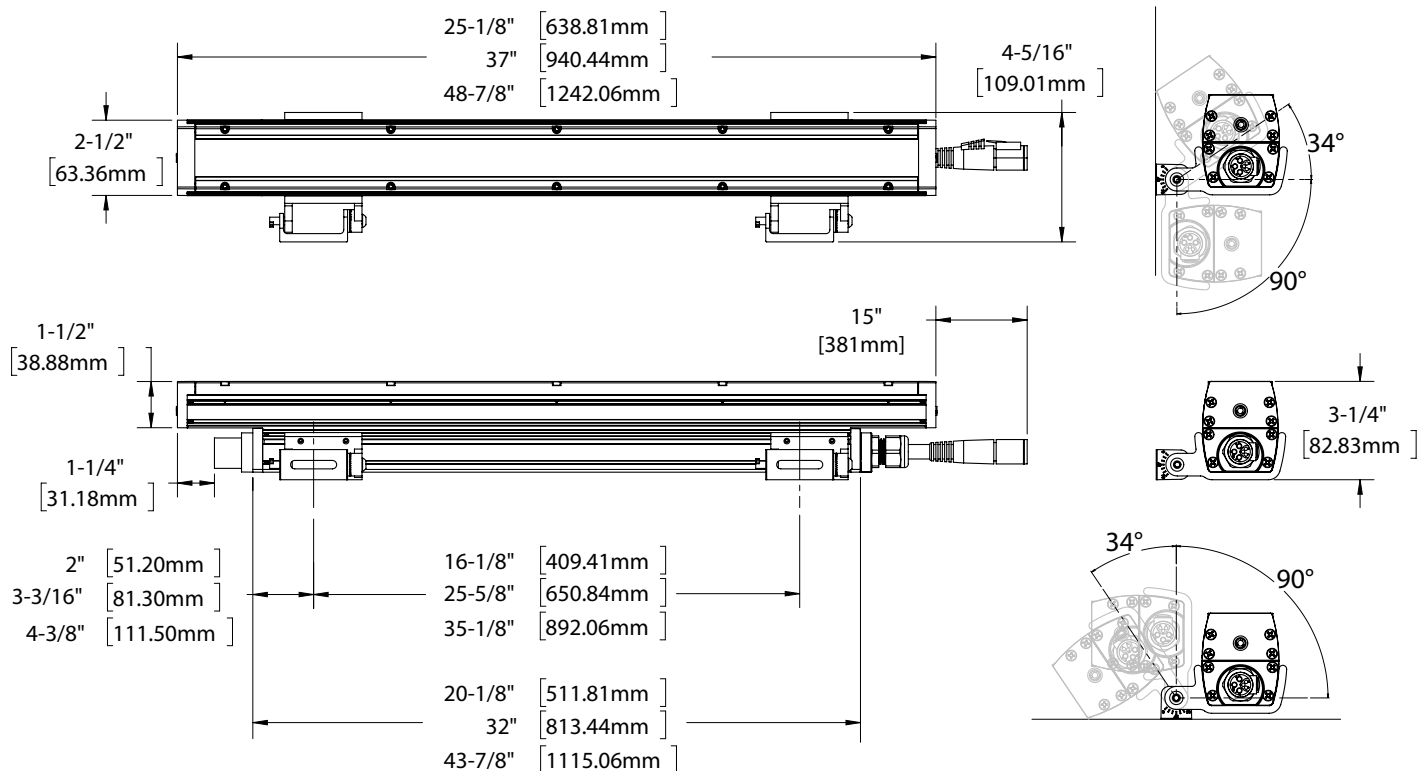
Reference Additional Accessory Details section for dimensions

DIMENSIONS & MOUNTING

H500ADJC1 - Adjustable Mount Center Axis

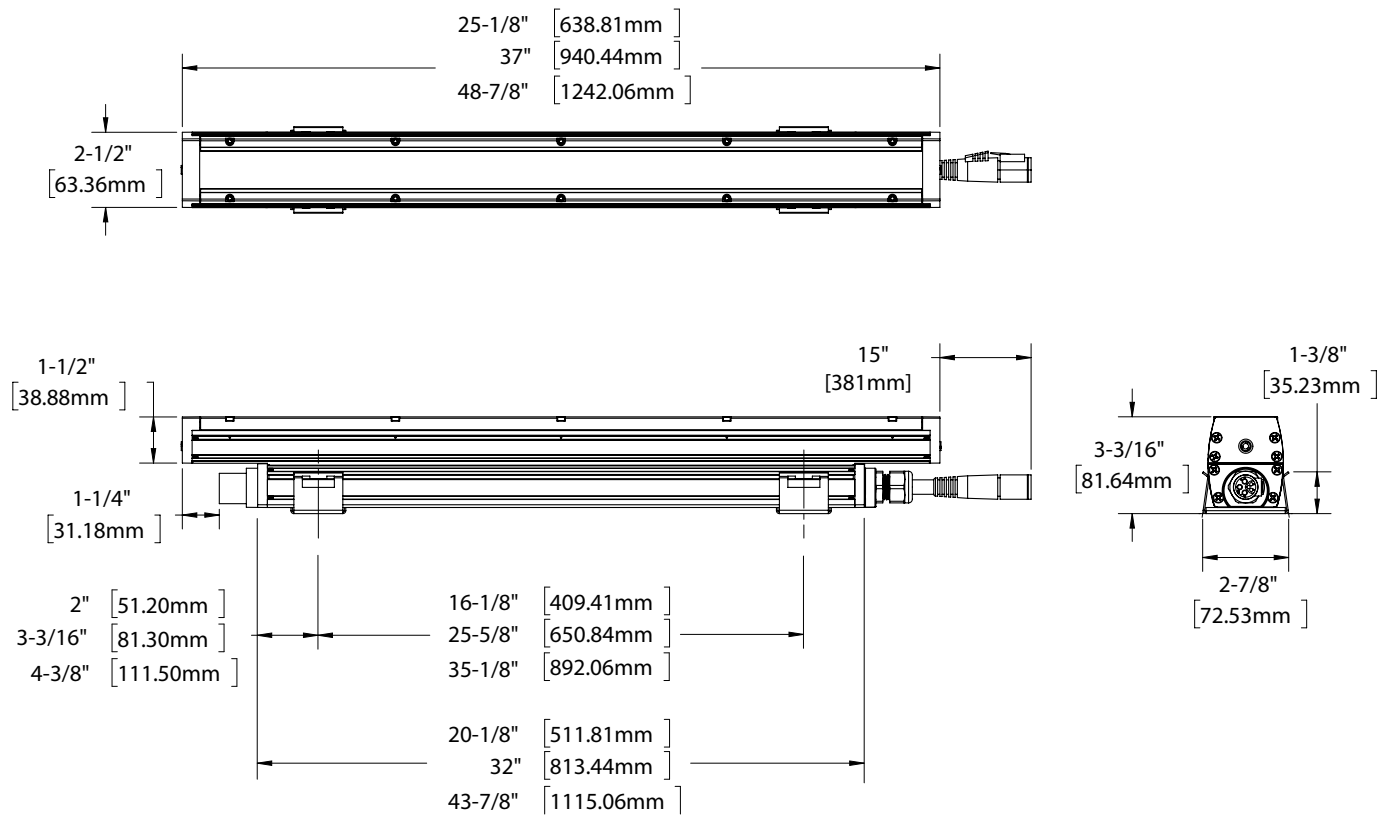


H500ADJH2 - Adjustable Mount Side Hinge



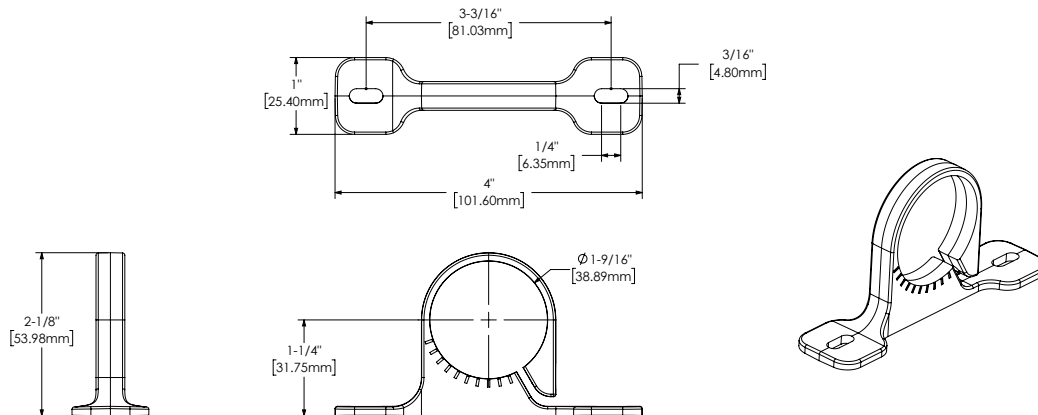
DIMENSIONS & MOUNTING

HM500FMC - Fixed Mount

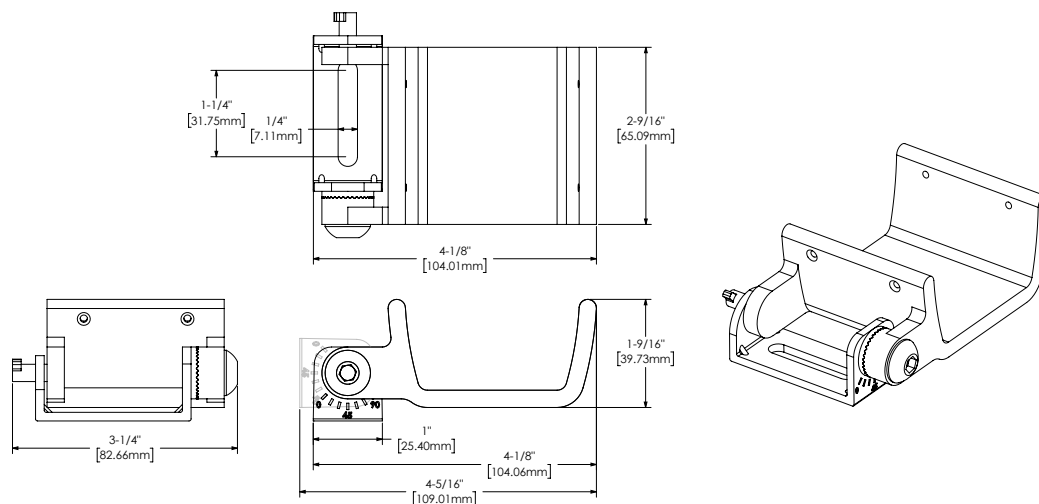


DIMENSIONS & MOUNTING (CONTINUED)

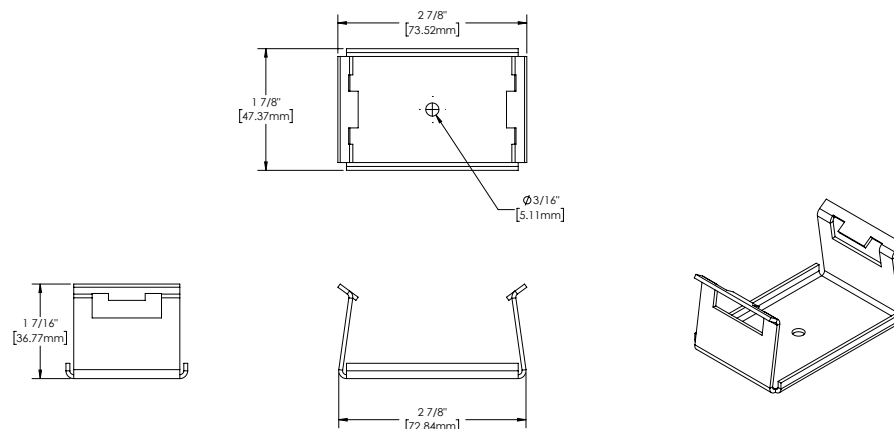
H500ADJC1 - Adjustable Mount Center Axis Detail



H500ADJH2 - Adjustable Mount Side Hinge Detail



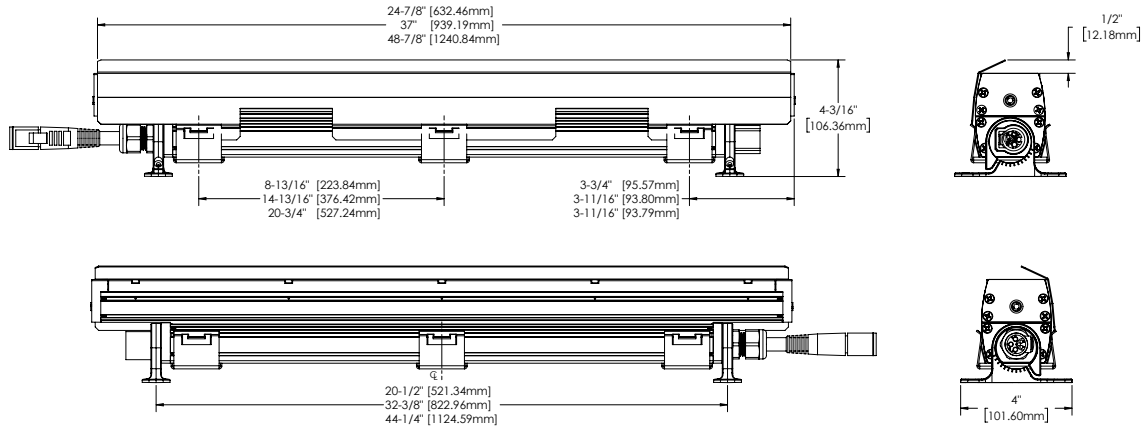
H500FMC - Fixed Mount Detail



DIMENSIONS & MOUNTING

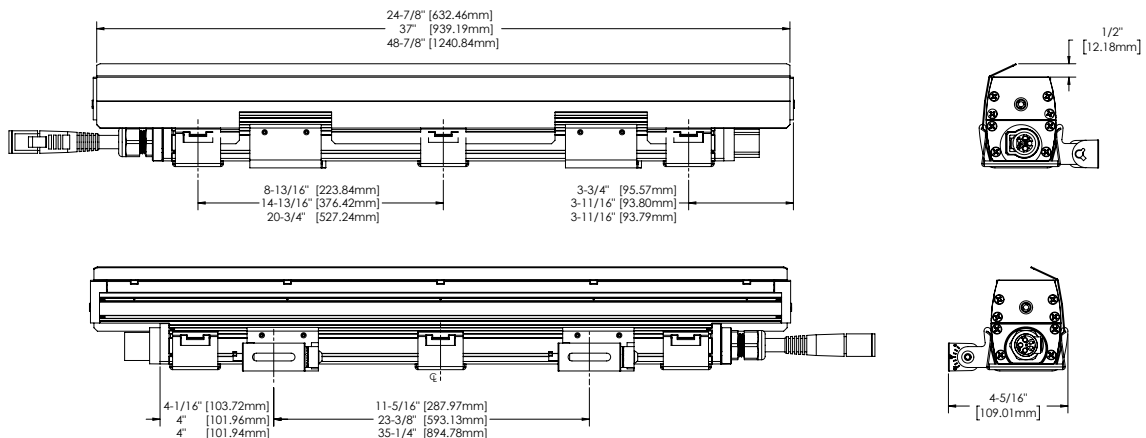
WWD Asymmetric Glare Visor with H500ADJC1 Mount

Automatically included when WWD distribution is ordered.



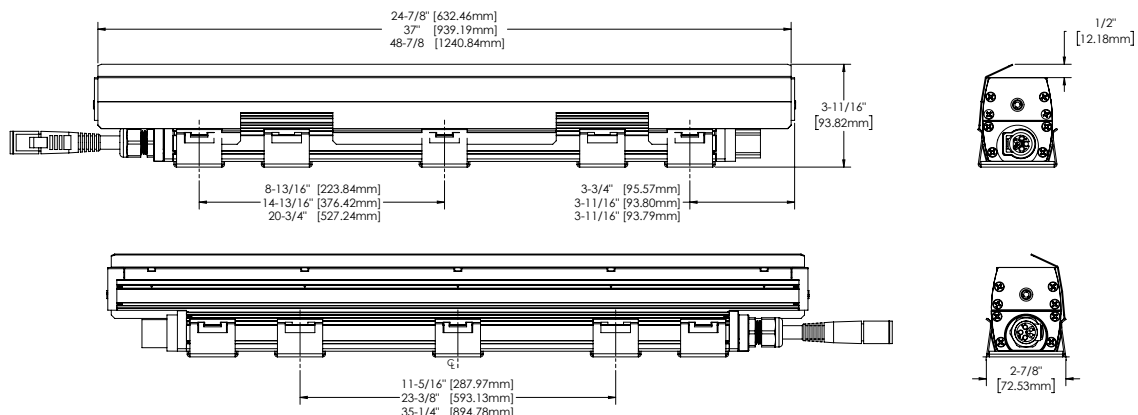
WWD Asymmetric Glare Visor with H500ADJH2 Mount

Automatically included when WWD distribution is ordered.



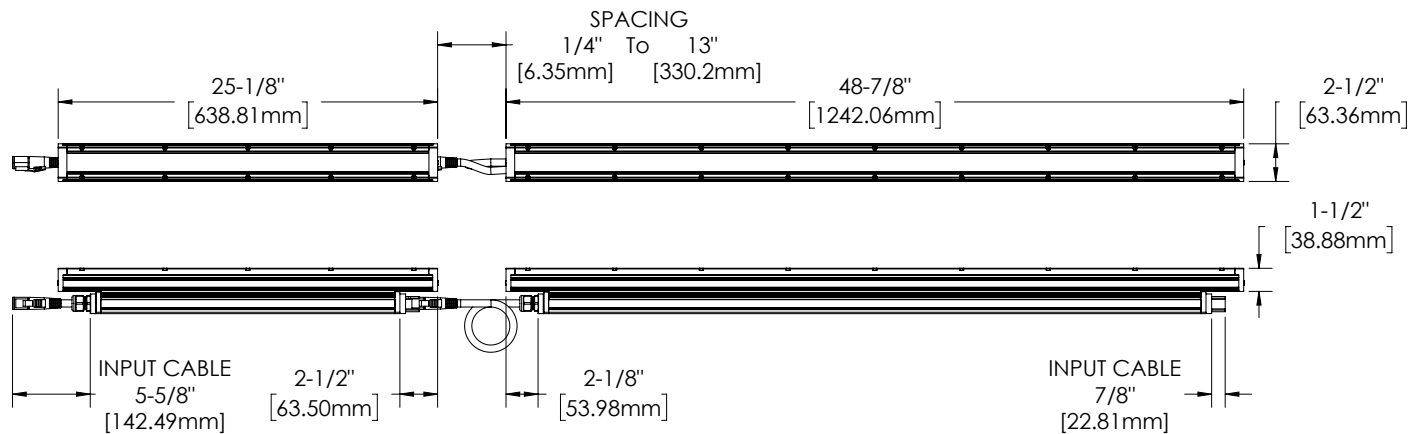
WWD Asymmetric Glare Visor with H500FMC Mount

Automatically included when WWD distribution is ordered.



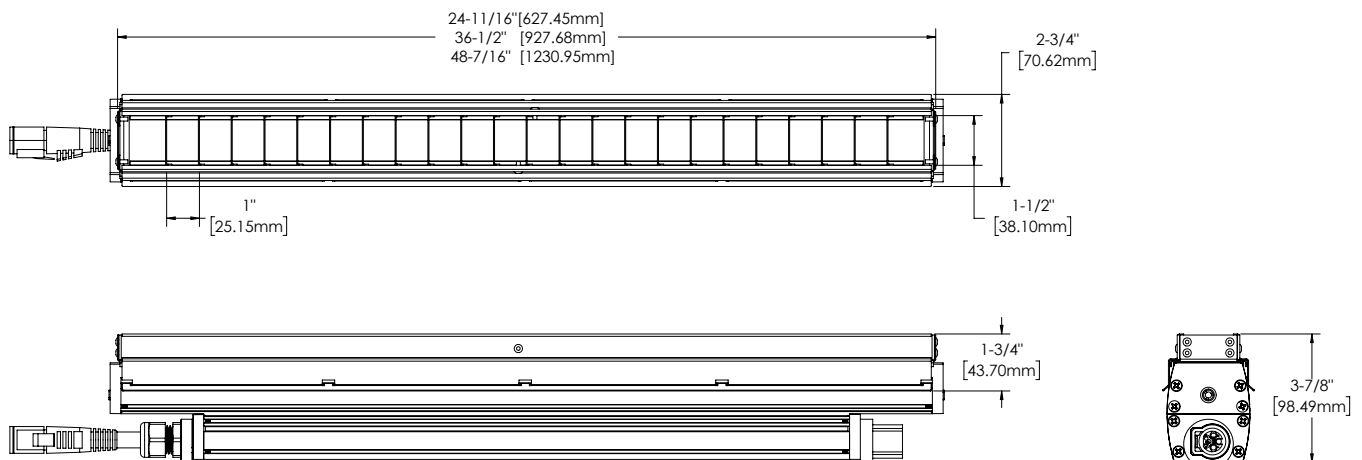
DIMENSIONS & MOUNTING (CONTINUED)

HLF501 Series Typical End-To-End Run Configuration



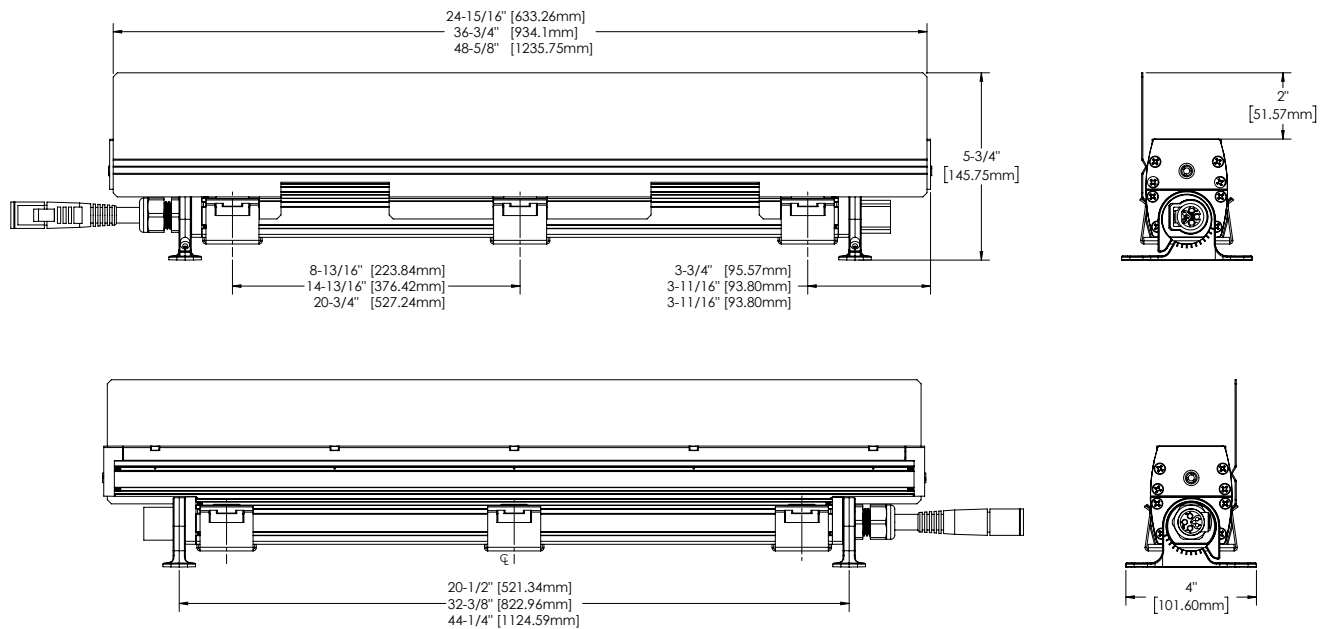
ADDITIONAL ACCESSORY DETAILS

Baffle Linear Surface

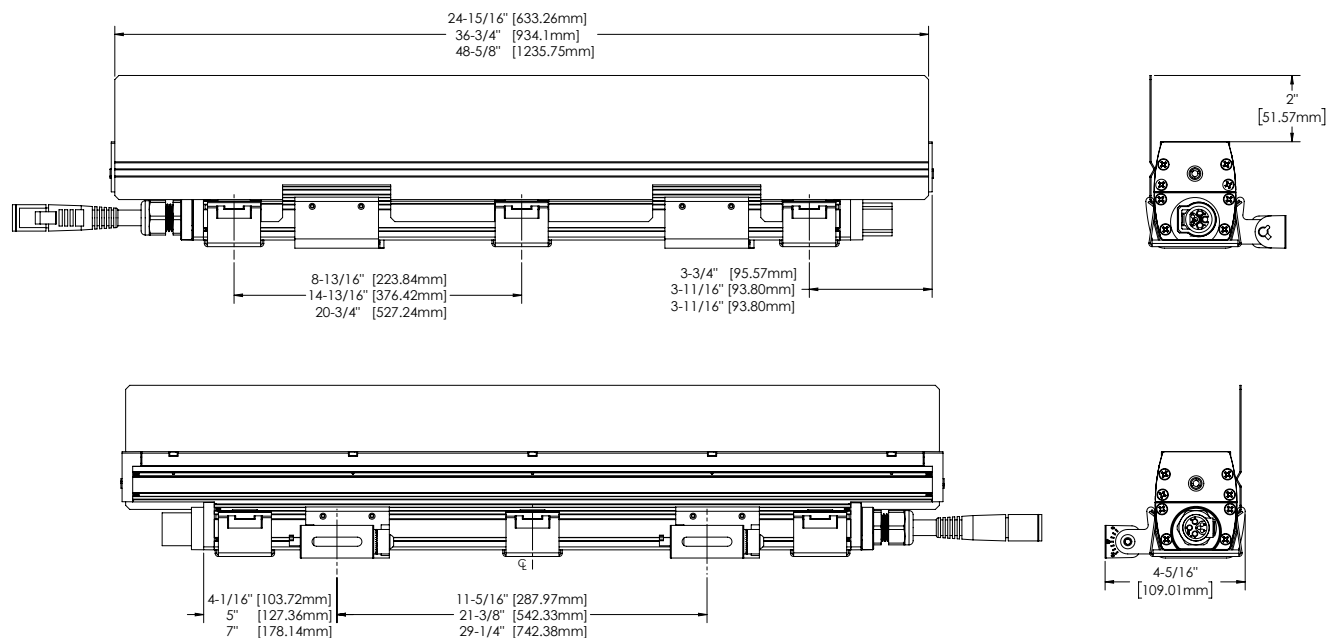


ADDITIONAL ACCESSORY DETAILS (CONTINUED)

Glare Visor with H500ADJC1 Mount

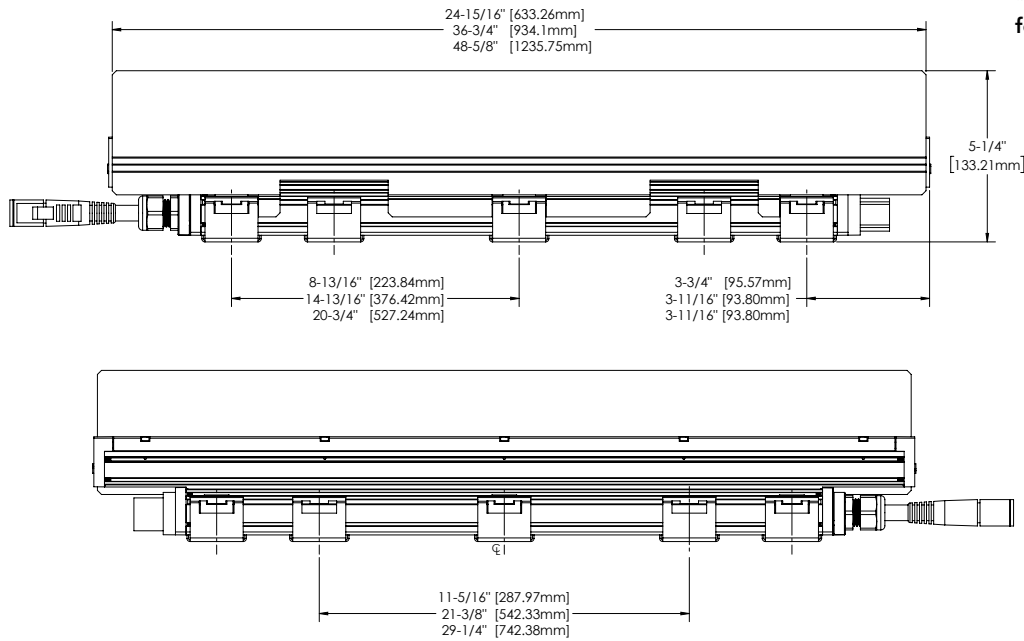


Glare Visor with H500ADJH2 Mount

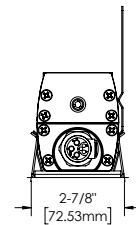
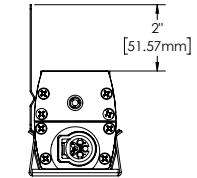


ADDITIONAL ACCESSORY DETAILS (CONTINUED)

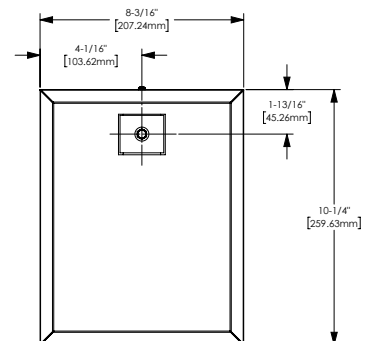
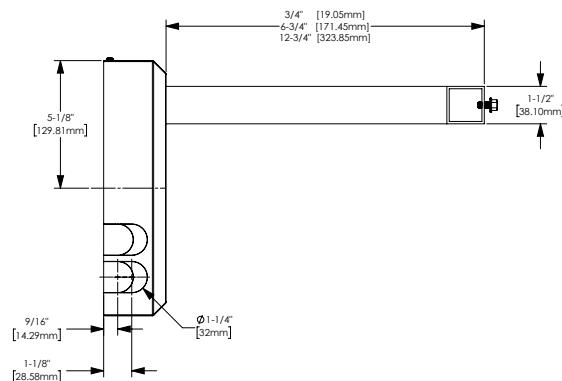
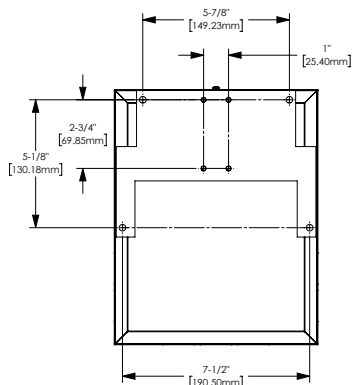
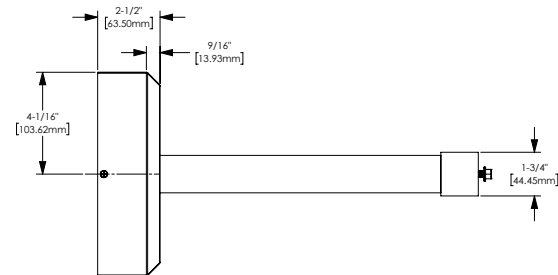
Glare Visor with H500FMC Mount



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

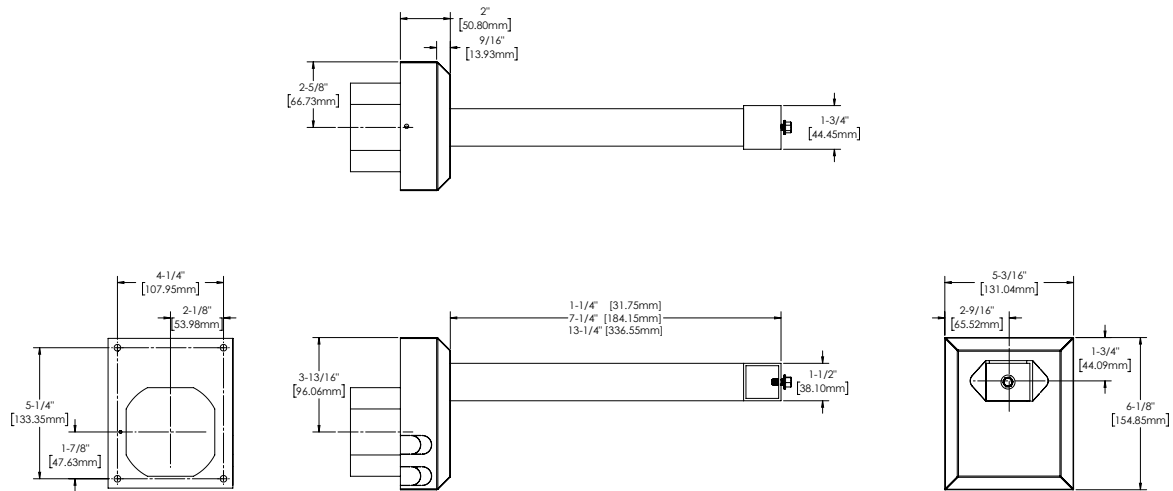


Cantilever Wall Mount Bracket Large Detail

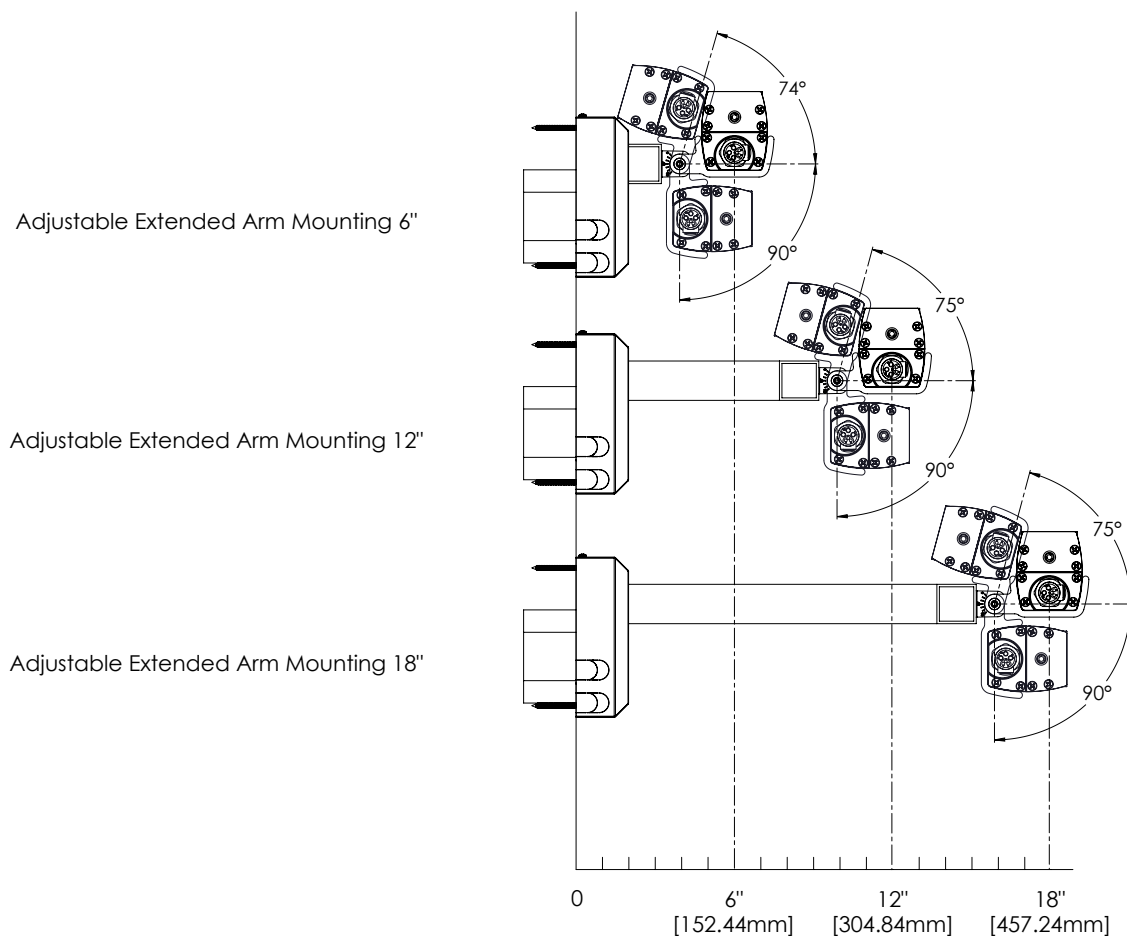


ADDITIONAL ACCESSORY DETAILS (CONTINUED)

Cantilever Wall Mount Bracket Detail

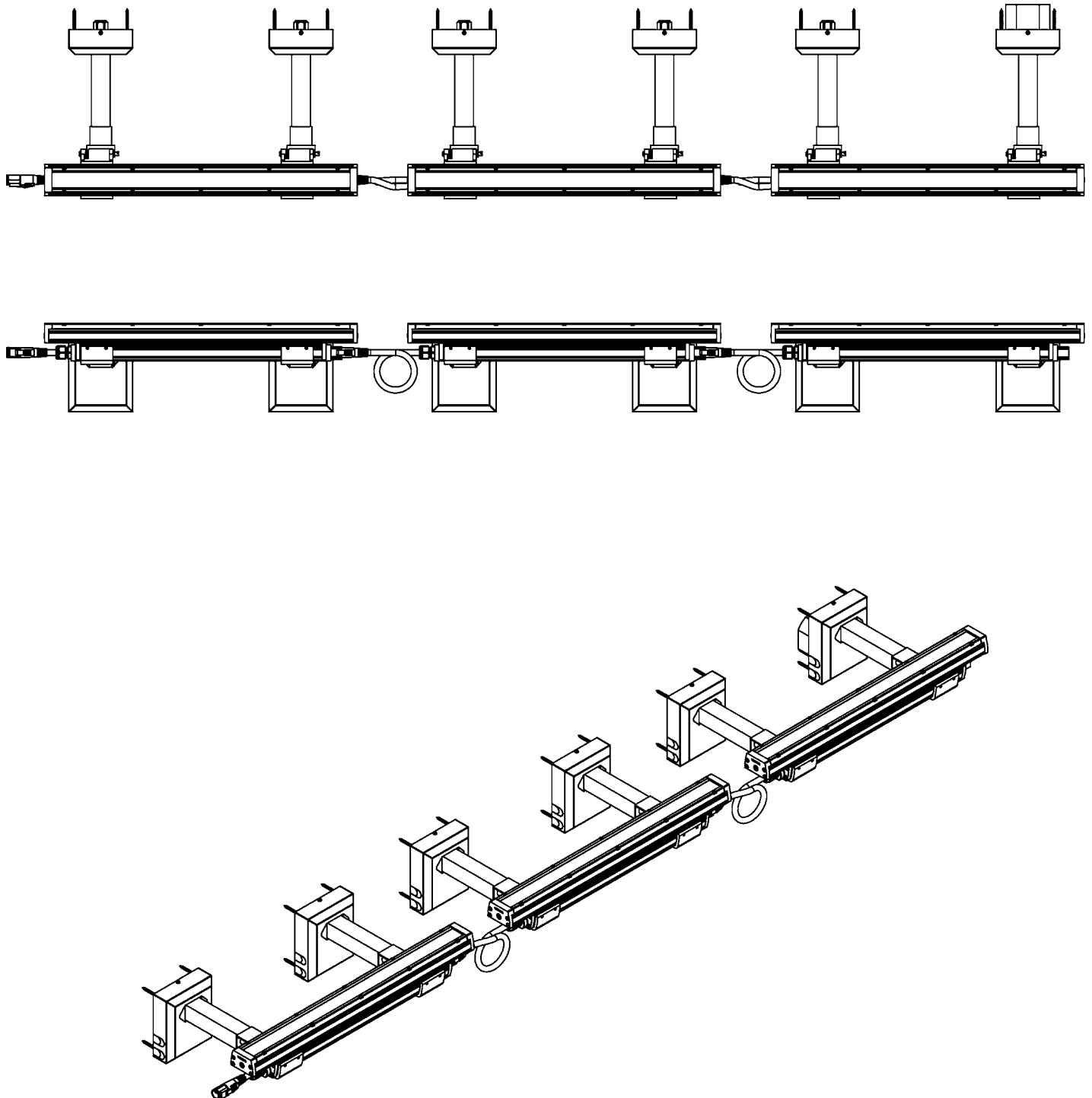


Cantilever Wall Mount Bracket Detail with 500ADJH2 and Fixture



ADDITIONAL ACCESSORY DETAILS (CONTINUED)

HLF501 Series Typical End-To-End Run Configuration with Cantilever Wall Mount
(Showing 6-foot run of (3) 2-foot units with CWM12 wall mount accessory)



SPECIFICATIONS & FEATURES

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 one-piece construction with fasteners

Finish: Polyester powder coat painted finish. Black oxide fastener color with BKT finish and natural stainless steel fastener color with WHT & 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)

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

Control System: EasyL or Fresco DMX512 controller

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

Mounting: Side hinge, Center axis, and fixed mounting brackets available for installation flexibility and luminaire aiming. Suitable for outdoor wet location applications

Ingress Protection Rating: IP66 rated per IEC60598

Vibration: 3G vibration rated per ANSI C136.31

Buy American: Hydrel products are assembled in the USA. Our products meet the Buy America(n) government procurement requirements under FAR, DFARS, and DOT. Please refer to www.acuitybrands.com/buy-america

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 (3.40kg) / 36" - 11 lbs (4.98kg) / 48" - 13 lbs (5.90 kg)

Warranty: 5-year limited warranty. Complete warranty terms located at: 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.