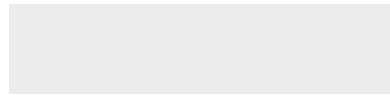
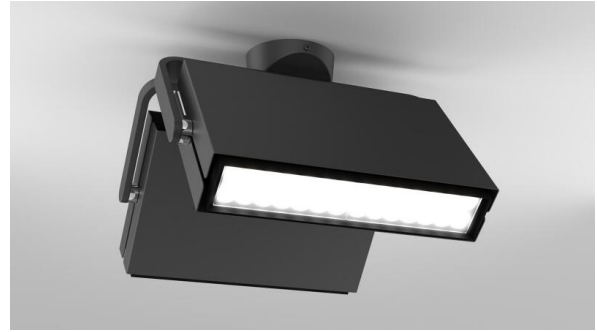


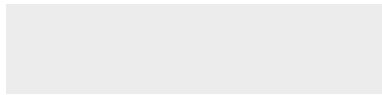


MATREX DUAL™

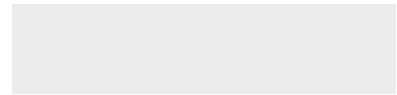
FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE

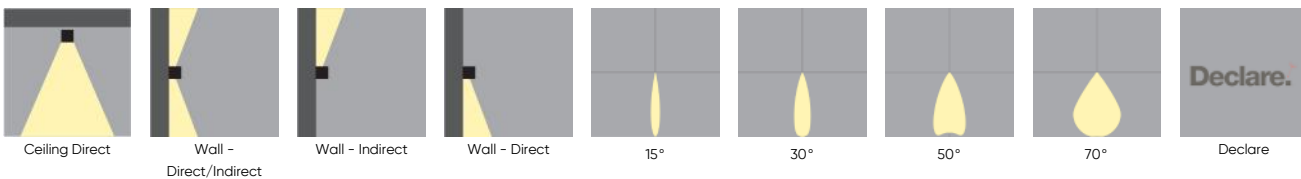


QUANTITIES

1 DESCRIPTION

MATREX Surface brings more mounting flexibility and fixture adjustability to the **MATREX** family, lauded for its compact form factor, unique mounting system, and high lumen output with optics designed for precision. **MATREX** is ideally suited for spaces with multiple ceiling heights, such as atriums. The revolutionary design delivers industry-leading performance from a significantly reduced form factor. The snoots are effective in controlling light spill and reducing glare.

2 OPTICS & FEATURES



3 APPROVALS



4 GENERAL SPECIFICATION

BODY AND TRIM

Steel and aluminum.

FINISH

Powder coated as specified. Custom paint finishes available to special order.

DRIVERS

HPF, electronic, 120-277V, 347V (EU-240V). The driver is integral to the fixture housing.

REMOTE EMERGENCY SYSTEM

Emergency option provides a 1.5 hour (3 hours for EU) emergency lighting facility. The remote system includes the inverter module, NiCad batteries and a remote wall/ceiling LED charge indicator and test switch (NA only) Maximum distance between wall/ceiling plate and luminaire is 15' (4.5m). Test switch fits a single gang box (not supplied).

DELIVERED LUMENS

Delivered lumens & lpw based on 4000K, CRI 80+.

REPORTED L70 @25°C (77°F)

> 60,000 hrs.

DESIGNED BY

Serge Cornelissen.

SUSTAINABILITY

Designed for on-site LED board, driver, and optic replacement.
Contact the factory for maintenance documentation.

SENSORS

Consult factory regarding sensor compatibility.

MECHANICAL

Luminaires mount to a junction box or switch box (by others – North America only), depending on canopy selection.

APPROVALS

Damp Rated.

ESTIMATED L70 @25°C (77°F)

>171,000 hrs.

DESIGN

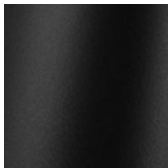
US Pat. No. D917,765.

5 DESIGN OPTIONS

FINISH - FIXTURE



White



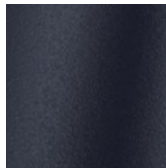
Black
Metallic –
Textured



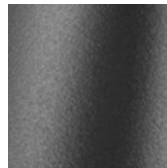
Silver
Metallic –
Textured



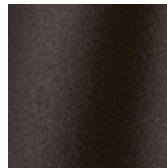
Gold Metallic
– Textured



Midnight
Blue Metallic
– Textured



Charcoal
Metallic –
Textured



Bronze
Metallic –
Textured



Red Metallic
– Textured

6 HOW TO ORDER

LUMINAIRE MXDF1P01 Direct, 18400 lms All data shown at max output and nominal values.	LUMENS (HEAD A) LMA0230 2300 LMA0460 4600 LMA0690 6900 LMA0920 9200 * Max lumen values shown, refer to IES files for the different snoot and beam options.	LUMENS (HEAD B) LMB0230 2300 LMB0460 4600 LMB0690 6900 LMB0920 9200 * Max lumen values shown, refer to IES files for the different snoot and beam options.	CRI CR80 CRI 80+ CR90 CRI 90+
CCT CTA27 2700K ¹ CTA30 3000K CTA35 3500K CTA40 4000K ¹ 2700K is only available with CRI 80+	BEAM ANGLE (HEAD A) BA15 15° BA30 30° BA50 50° BA70 70° BA80 50°x80° ¹ ¹ Available with NT8 Ladder Louver only.	BEAM ANGLE (HEAD B) BB15 15° BB30 30° BB50 50° BB70 70° BB80 50°x80° ¹ ¹ Available with NU8 Ladder Louver only.	VOLTAGE V1 120/277V V2 240V ¹ V3 347V ² ¹ Not available in North America. ² Only available with DA01 dimming.
DIMMING DA01 0-10V Dimming 1.0% DA02 0-10V Dimming 0.1% ¹ DA20 DALI Dimming 0.1% ¹ DA21 DALI Dimming 1.0% ¹ DA30 DSI/switchDim ^{1 2} ¹ Not available with V3. ² Not available in North America.	FINISH FA01 White FA02 Black Metallic – Textured FA20 Silver Metallic – Textured FA25 Gold Metallic – Textured FA44 Midnight Blue Metallic – Textured FA46 Charcoal Metallic – Textured FA47 Bronze Metallic – Textured FA53 Red Metallic – Textured	SNOOTS AND LOUVERS (HEAD A) NT1 Standard Snoot – Black ¹ NT2 Standard Snoot – White ¹ NT3 Long Snoot – Black ¹ NT4 Long Snoot – White ¹ NT7 Hex Louver – Black ² NT8 Ladder Louver – Black ³ For precise beam angle and lumen output, please refer to the IES files. Note that using snoots and louvers may decrease overall efficacy. ¹ Snoot must be picked at time of order, if ordering a louver. ² Not available with BA70 beam angle. ³ Available with BA80 beam angle and 2300 lumens only.	
SNOOTS AND LOUVERS (HEAD B) NU1 Standard Snoot – Black ¹ NU2 Standard Snoot – White ¹ NU3 Long Snoot – Black ¹ NU4 Long Snoot – White ¹ NU7 Hex Louver – Black ² NU8 Ladder Louver – Black ³ For precise beam angle and lumen output, please refer to the IES files. Note that using snoots and louvers may decrease overall efficacy. ¹ Snoot must be picked at time of order, if not ordering a louver. ² Not available with BB70 beam angle. ³ Available with BB80 beam angle and 2300 lumens only.	EMERGENCY E0 Emergency system not required E2 Emergency system – Remote ¹ ¹ Remote emergency in the lower module only. Not available with V3. Integral is not available.	SEPARATE SWITCHING CS1 Single circuit CS2 Separate switching	

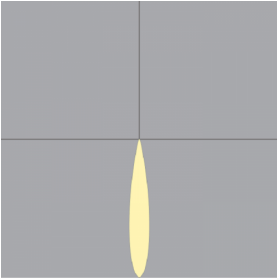
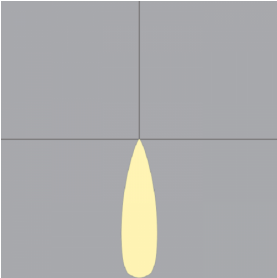
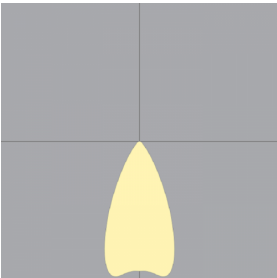
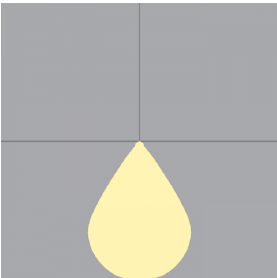
7 TECHNICAL DATA

LUMINAIRE

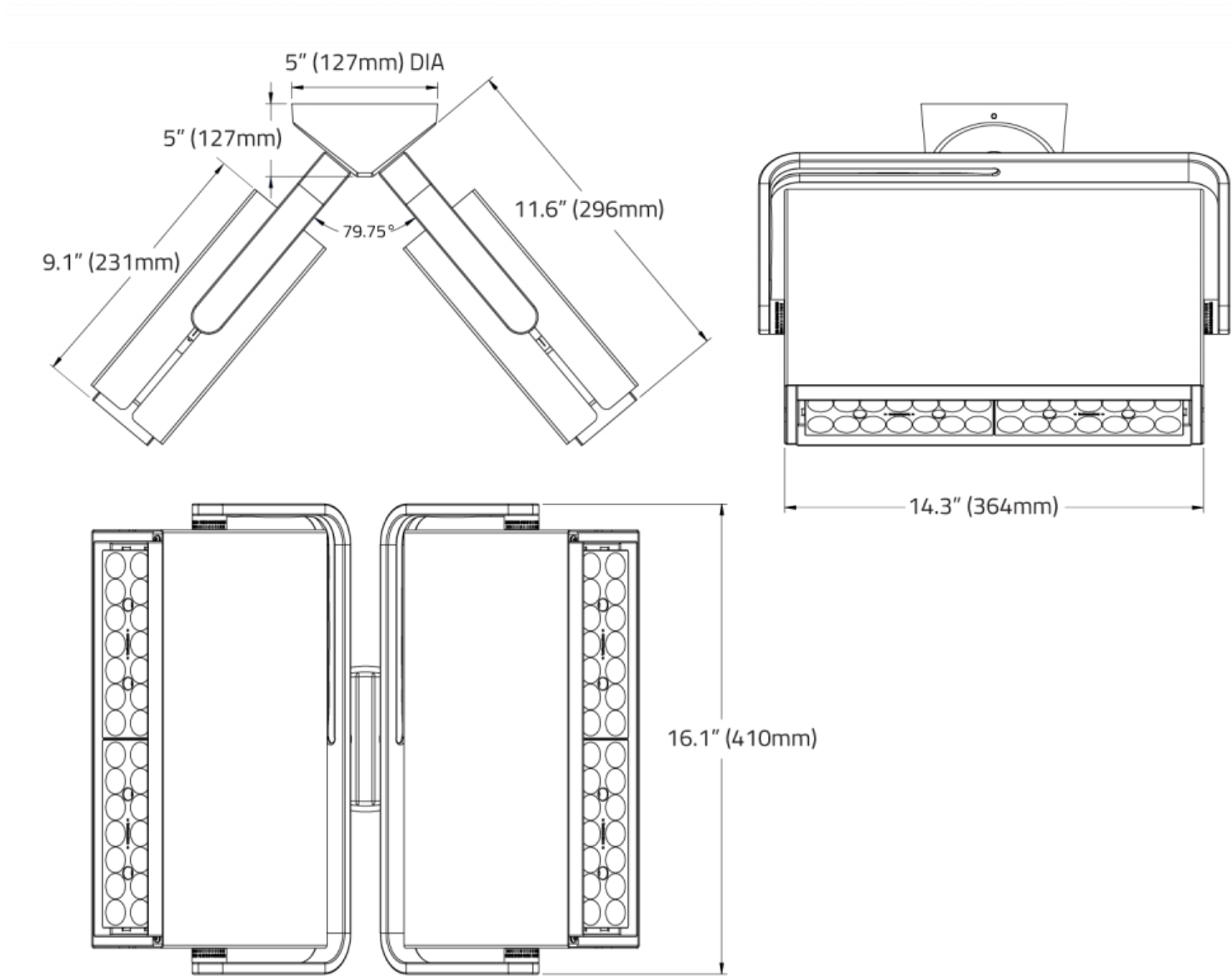
All data shown at max output and nominal values.

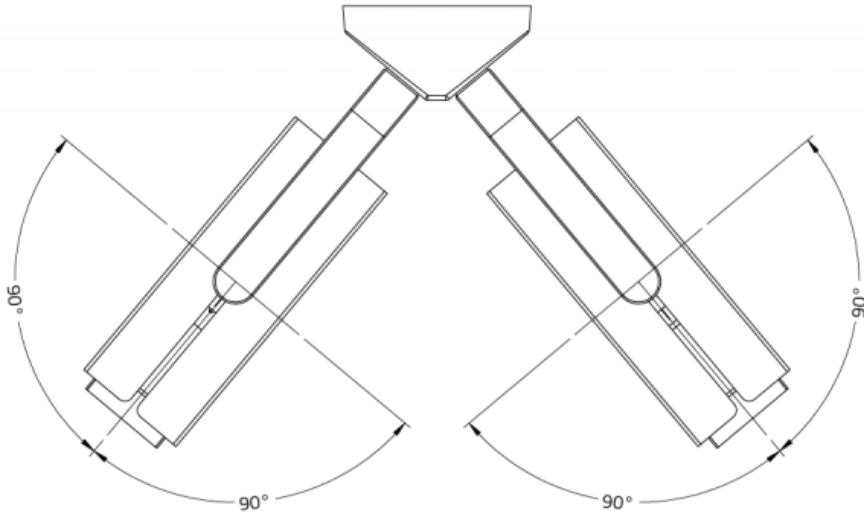
Code	MXDF1P01
Light Direction	Direct
Wattage	164
Delivered lms	18400
LPW	130

8 PERFORMANCE DATA

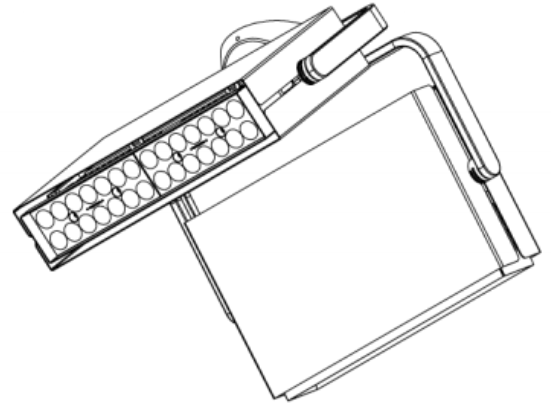
DIRECT 15° BEAM ANGLE	WATTS	LUMENS	LPW	DIRECT 30° BEAM ANGLE	WATTS	LUMENS	LPW
	32	4600	138		32	4600	140
	72	9000	127		72	8800	130
	114	13600	118		114	13000	120
	164	18000	110		164	17400	112
DIRECT 50° BEAM ANGLE	WATTS	LUMENS	LPW	DIRECT 70° BEAM ANGLE	WATTS	LUMENS	LPW
	32	4400	133		32	4400	134
	72	8800	123		72	8800	123
	114	13000	114		114	13200	115
	164	17400	107		164	17600	107

9 DIMENSIONAL DIAGRAMS

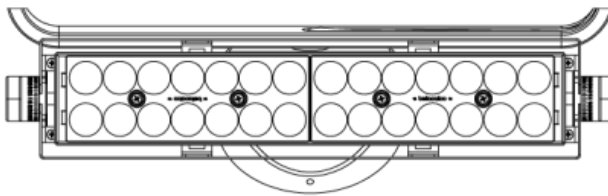




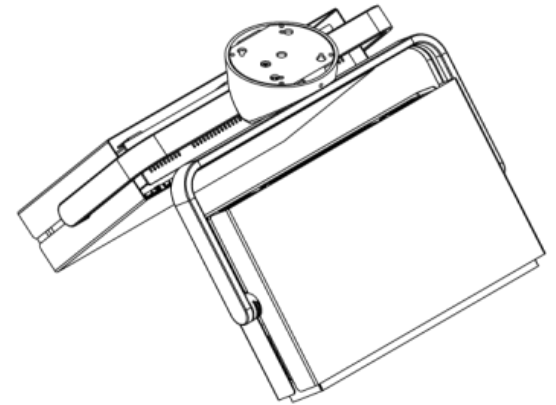
ISOMETRIC
BOTTOM VIEW



FIXED
YOKE

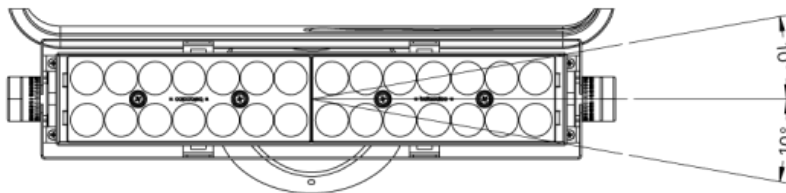


VIEW NORMAL TO YOKE



ISOMTERIC
TOP VIEW

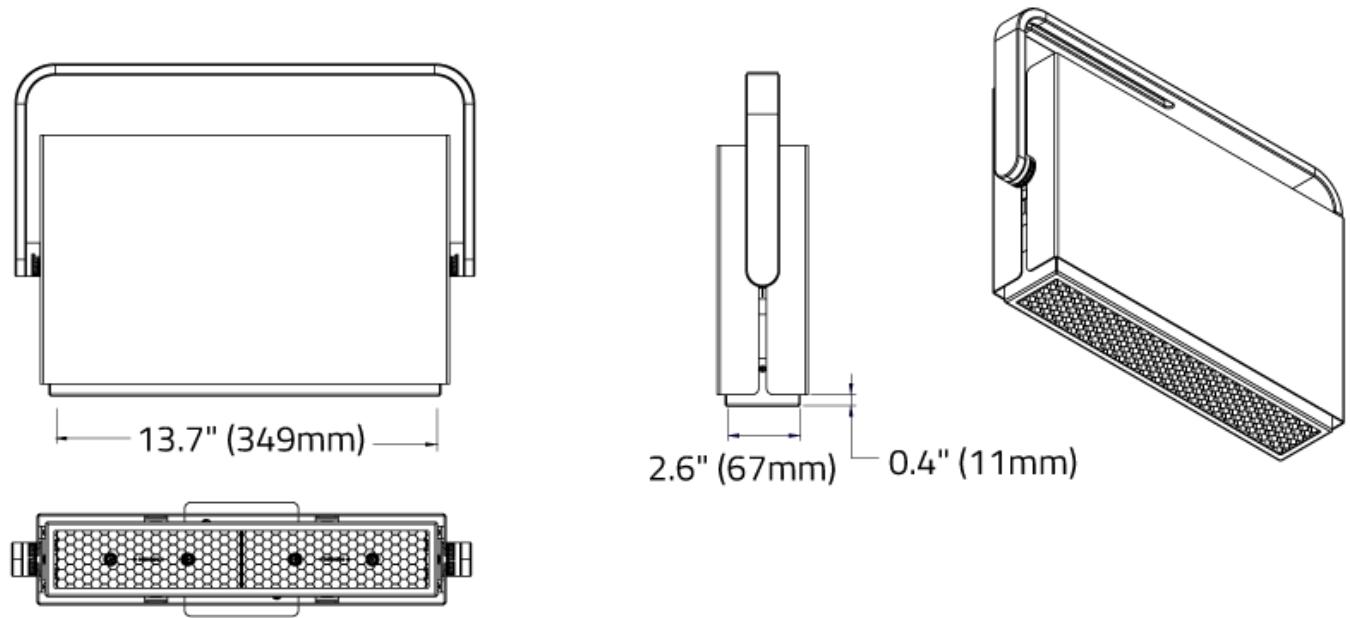
ROTATING
YOKE



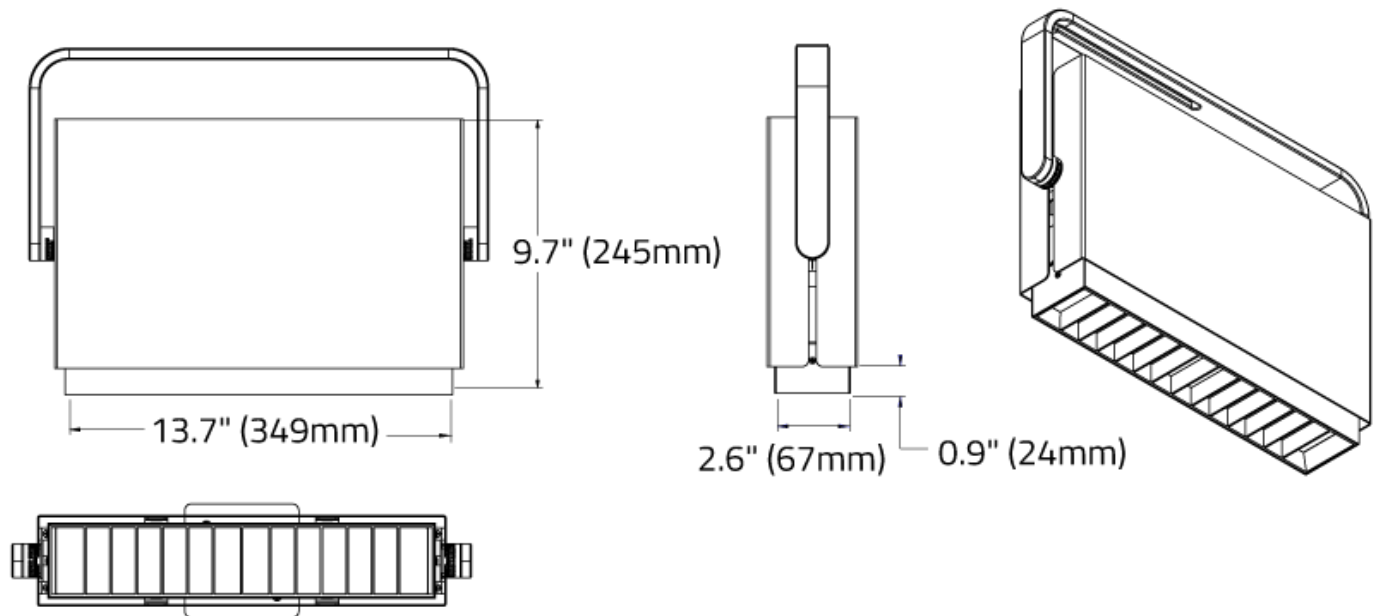
VIEW NORMAL TO YOKE

LOUVRES

HEX CELL LOUVRE

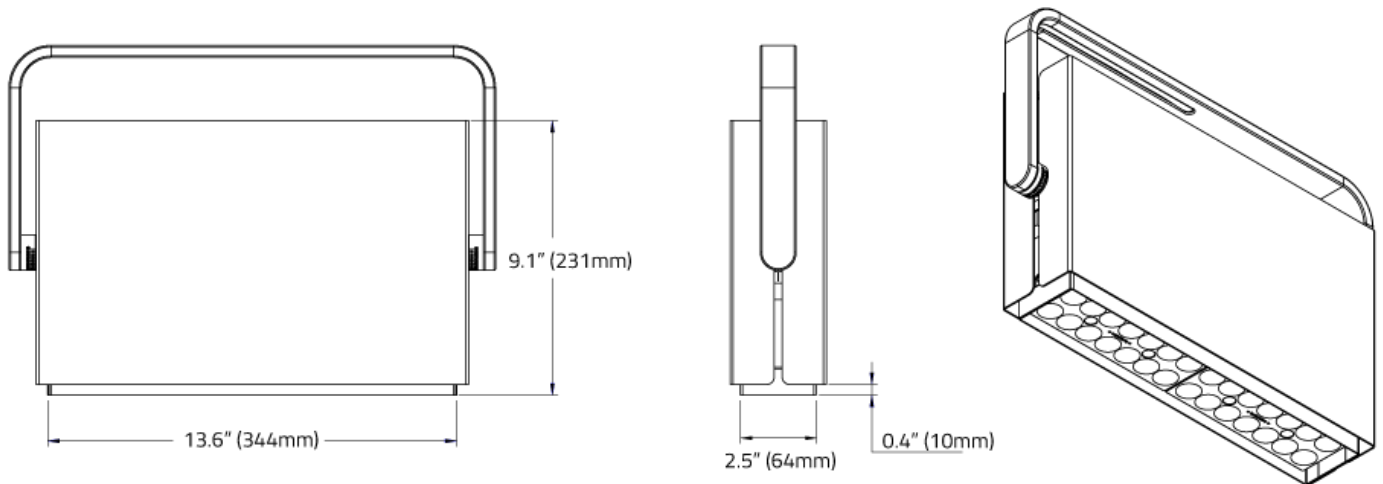


LADDER LOUVRE



SNOOTS

STANDARD SNOOT



LONG SNOOT

