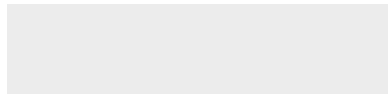


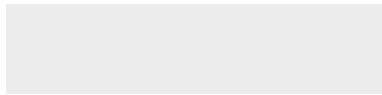


MATREX SINGLE™

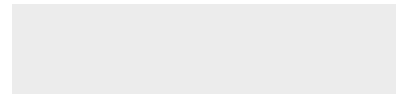
FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE

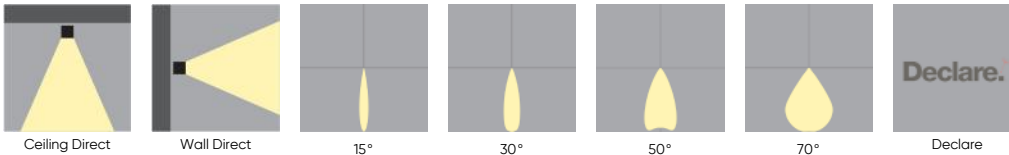


QUANTITIES

1 DESCRIPTION

MATREX is a family of spotlights packed with power for projecting light at great distances. With best-in-class thermal management and hidden heat sinks, **MATREX's** form factor is significantly smaller than traditional spotlights. Multiple mounting systems are available, providing a variety of functions that work in a range of applications, especially those with multiple ceiling heights. 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.

DRIVERS

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

REMOTE EMERGENCY SYSTEM (NORTH AMERICA ONLY)

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

REPORTED L70 @25°C (77°F)

> 60,000 hrs.

SENSORS

Consult factory regarding sensor compatibility.

DESIGNED BY

Serge Cornelissen.

SUSTAINABILITY

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

FINISH

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

DELIVERED LUMENS

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

MECHANICAL

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

ESTIMATED L70 @25°C (77°F)

> 171,000 hrs.

APPROVALS

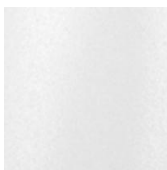
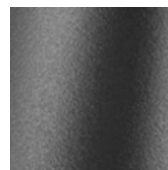
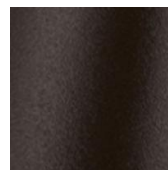
Damp Rated.

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 MATF1P01 Direct, 9200 lms All data shown at max output and nominal values.	LUMENS LMA0230 2300 LMA0460 4600 LMA0690 6900 LMA0920 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 BA15 15° BA30 30° BA50 50° BA70 70° BA80 50°x80° ¹ ¹ For use with NT8 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.	FIXTURE 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 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 not ordering a louver. ² Unavailable with BA70 beam angle. ³ Available with BA80 beam angle and 2300 lumens.	EMERGENCY E0 Emergency system not required E2 Emergency system – Remote ¹ ¹ Not available with V3. Integral not available.		

7 TECHNICAL DATA

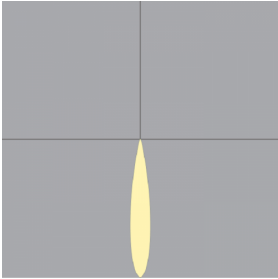
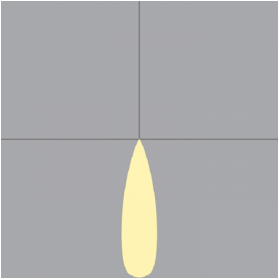
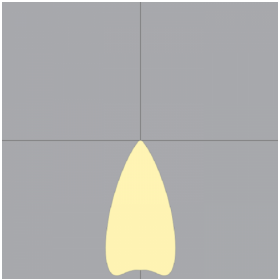
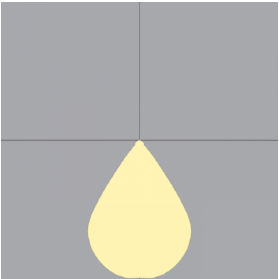
LUMINAIRE

All data shown at max output and nominal values.

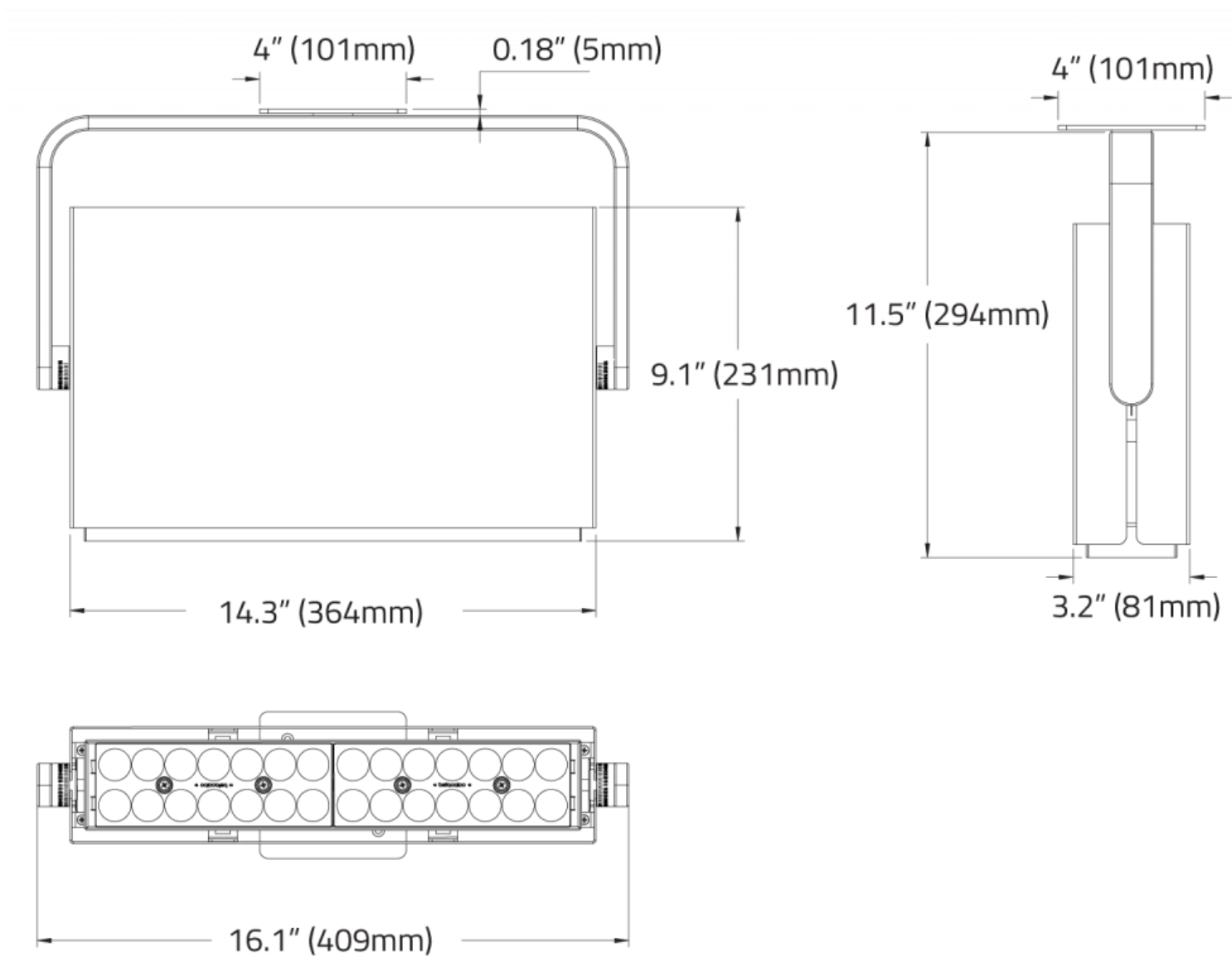
Code	MATF1P01
Light Direction	Direct
Wattage	82
Delivered lms	9200
LPW	130

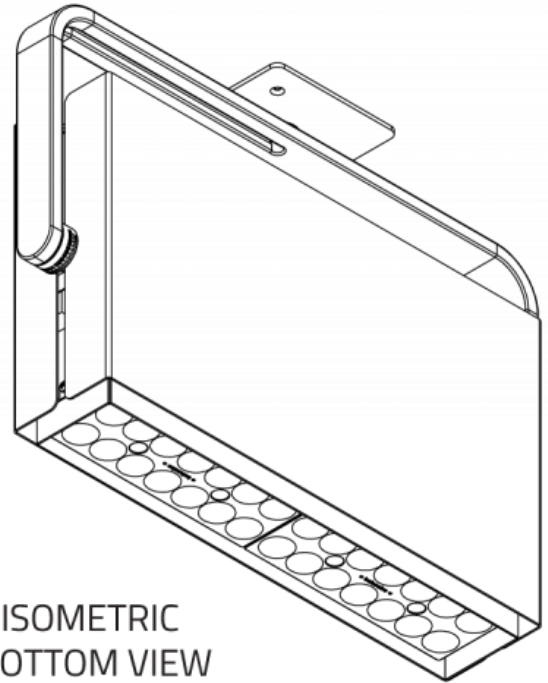
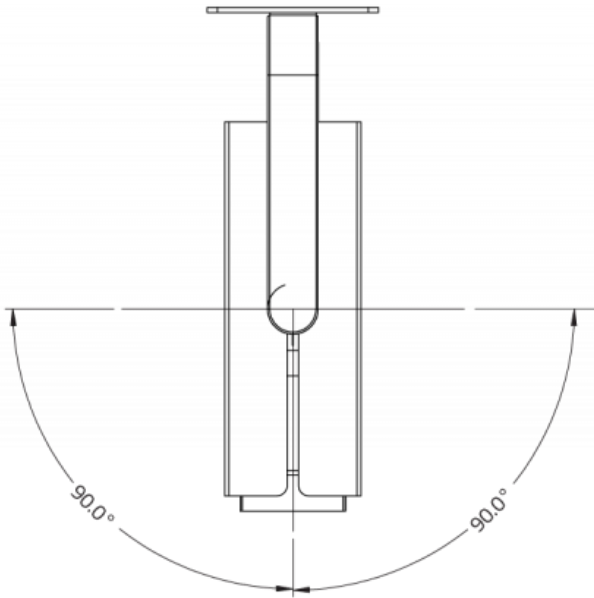
8

PERFORMANCE DATA

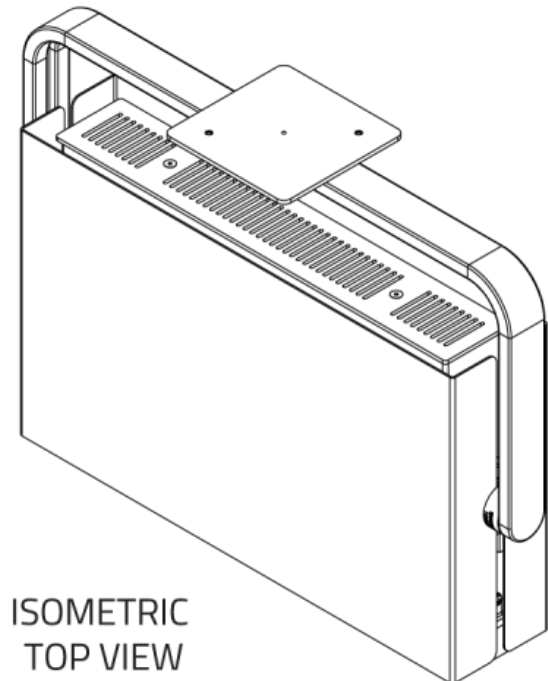
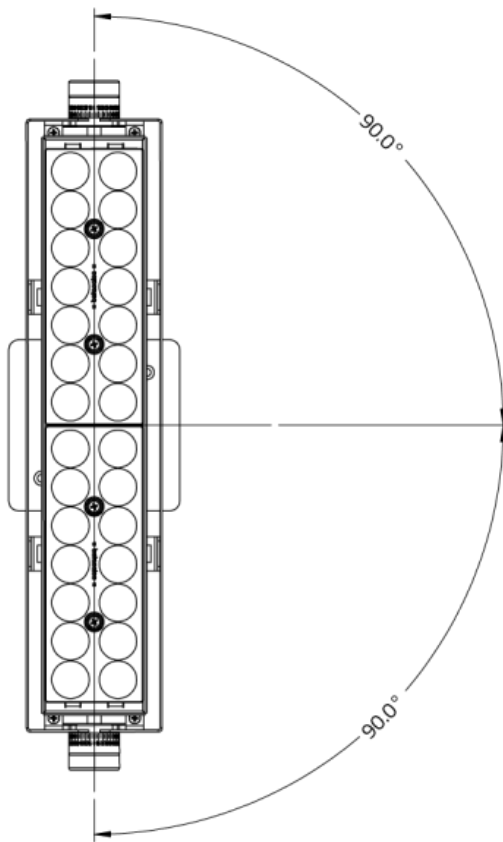
DIRECT 15° BEAM ANGLE	WATTS	LUMENS	LPW	DIRECT 30° BEAM ANGLE	WATTS	LUMENS	LPW
	16 36 57 82	2300 4500 6800 9000	138 127 118 110		16 36 57 82	2300 4600 6900 9200	140 130 120 112
DIRECT 50° BEAM ANGLE	WATTS	LUMENS	LPW	DIRECT 70° BEAM ANGLE	WATTS	LUMENS	LPW
	16 36 57 82	2200 4400 6500 8700	133 123 114 107		16 36 57 82	2200 4400 6600 8800	134 123 115 107

9 DIMENSIONAL DIAGRAMS





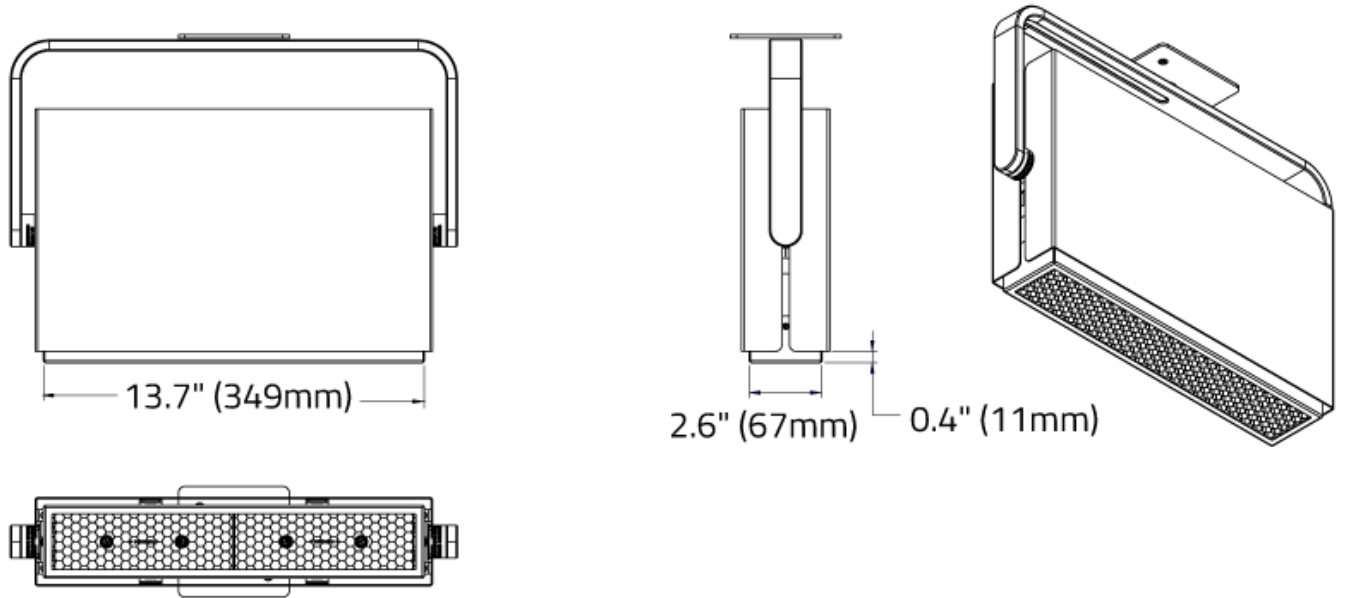
ISOMETRIC
BOTTOM VIEW



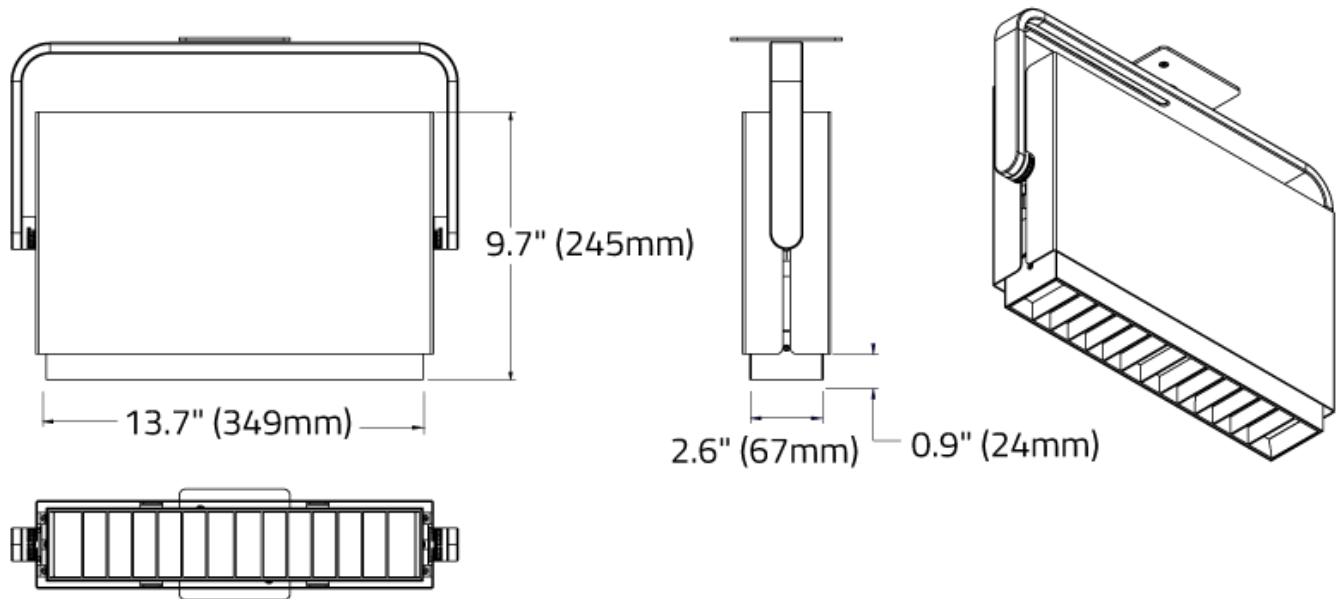
ISOMETRIC
TOP VIEW

LOUVRES

HEX CELL LOUVRE

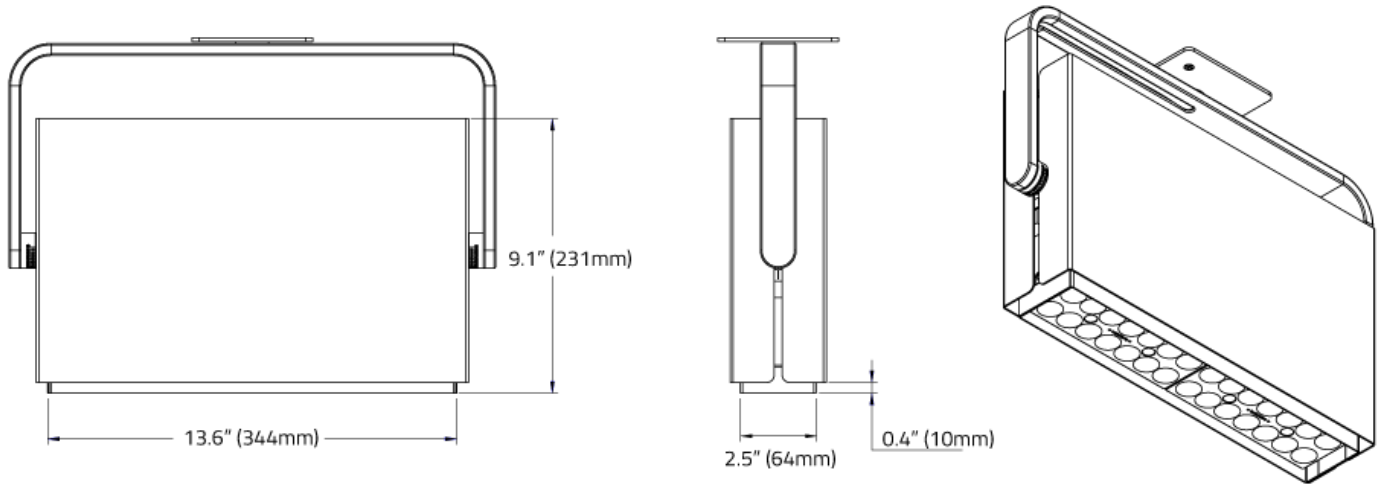


LADDER LOUVRE



SNOOTS

STANDARD SNOOT



LONG SNOOT

