MATREX SINGLE™

FULL SPECIFICATION SHEET



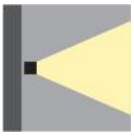
FIXTURE TYPE	FIXTURE CODE	QUANTITIES

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


Surface Direct


Wall Direct


15°


30°


50°


70°



Declare

3 APPROVALS



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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.

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

REMOTE EMERGENCY SYSTEM (E2) - NORTH AMERICA ONLY
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. Maximum distance between wall/ceiling plate and luminaire is 15' (4.5m). Test switch fits a single gang box (not supplied). Refer to the Emergency option notes below for wattage, configuration and regional details.

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

REPORTED L70 @25°C (77°F)
> 60,000 hrs.

ESTIMATED L70 @25°C (77°F)
> 171,000 hrs.

SENSORS
Consult factory regarding sensor compatibility.

APPROVALS
Damp Rated.

DESIGNED BY
Serge Cornelissen.

DESIGN
US Pat. No. D917,765.

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

5 DESIGN OPTIONS

FINISH - FIXTURE

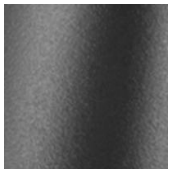
White


Black Metallic - Textured


Silver Metallic - Textured


Gold Metallic - Textured


Midnight Blue Metallic - Textured


Charcoal Metallic - Textured


Bronze Metallic - Textured


Red Metallic - Textured

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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] [2]

[1] Not available with V3. Integral not available.
[2] For North America, the minimum emergency system wattage is 7.5W. Refer to the fixture's lumens per watt to estimate emergency light output. The emergency system typically powers only a portion of the fixture, depending on the fixture configuration and number of drivers. Consult factory for emergency system configuration and illuminated section details.
For Europe, the emergency system wattage and configuration may vary. Consult factory for details.

7 TECHNICAL DATA

LUMINAIRE

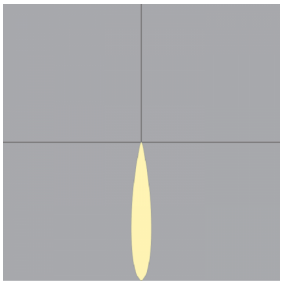
All data shown at max output and nominal values.

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

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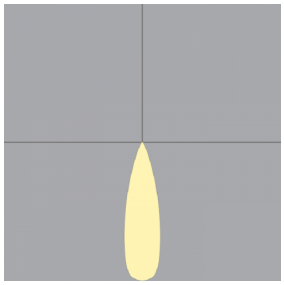
8 PERFORMANCE DATA

DIRECT 15° BEAM ANGLE



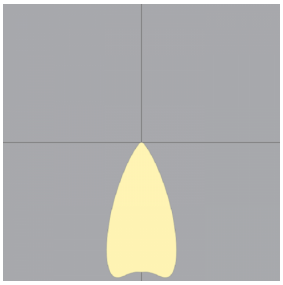
WATTS	LUMENS	LPW
16	2300	138
36	4500	127
57	6800	118
82	9000	110

DIRECT 30° BEAM ANGLE



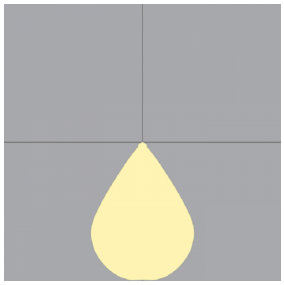
WATTS	LUMENS	LPW
16	2300	140
36	4600	130
57	6900	120
82	9200	112

DIRECT 50° BEAM ANGLE



WATTS	LUMENS	LPW
16	2200	133
36	4400	123
57	6500	114
82	8700	107

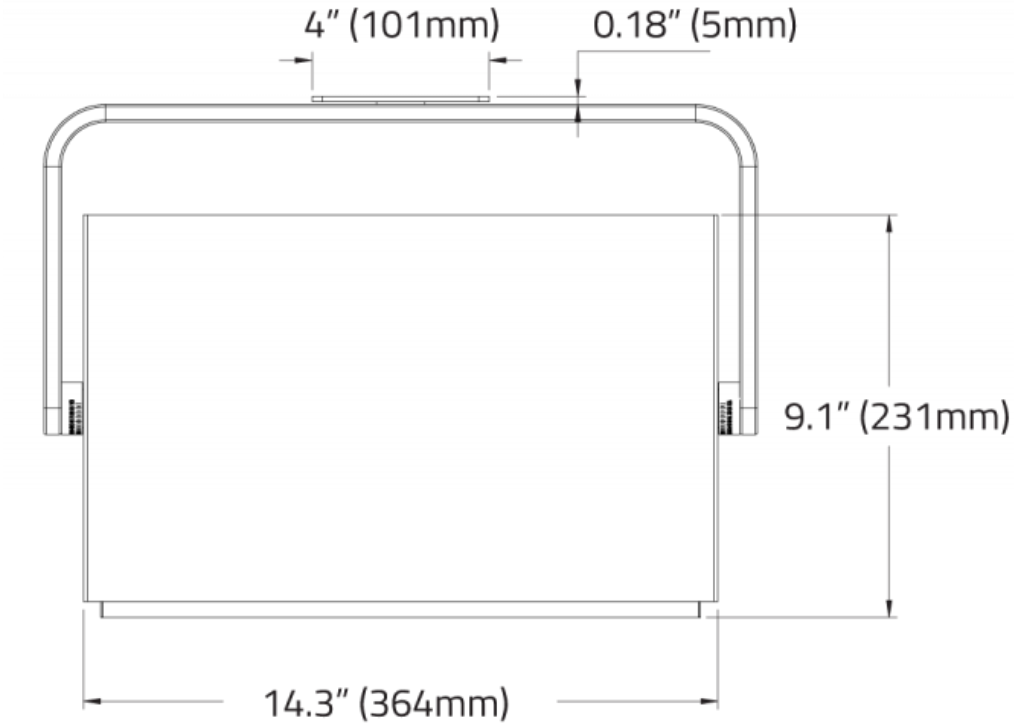
DIRECT 70° BEAM ANGLE

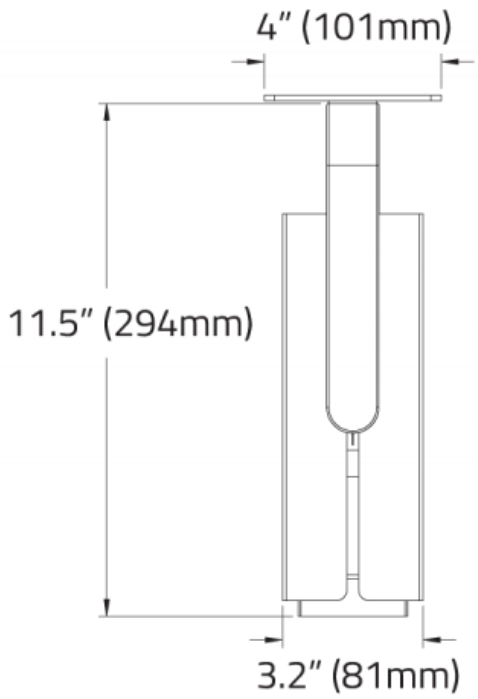


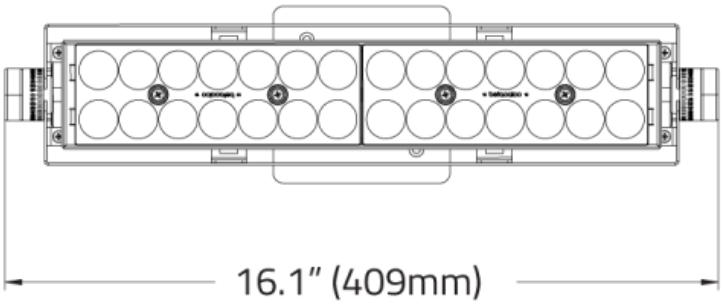
WATTS	LUMENS	LPW
16	2200	134
36	4400	123
57	6600	115
82	8800	107

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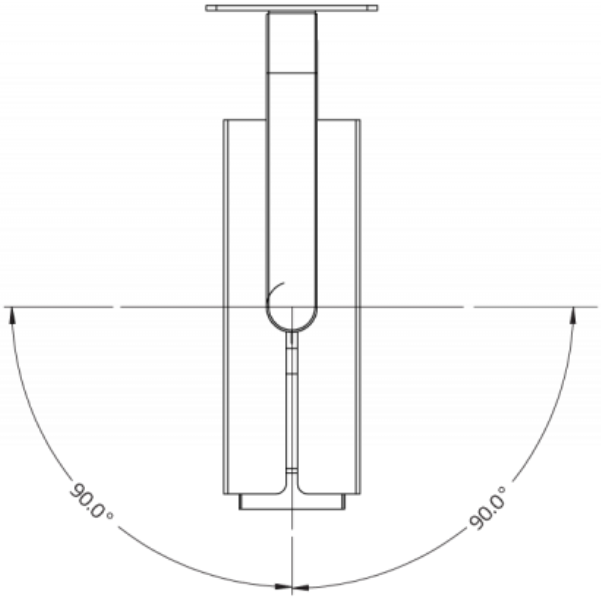
9 DIMENSIONAL DIAGRAMS

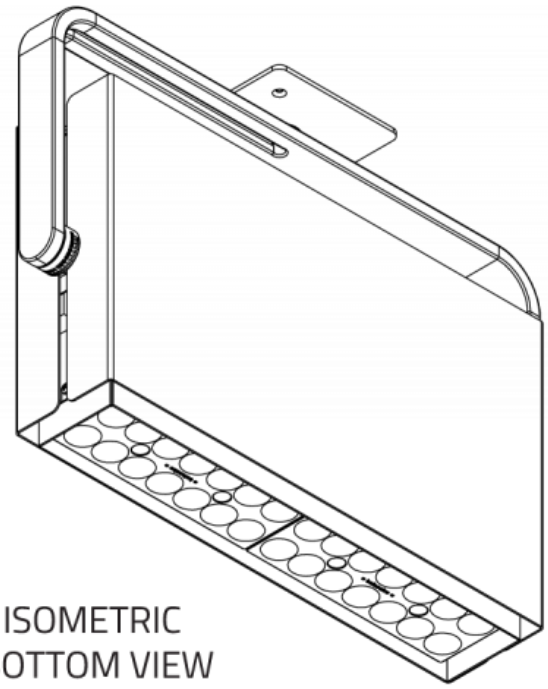




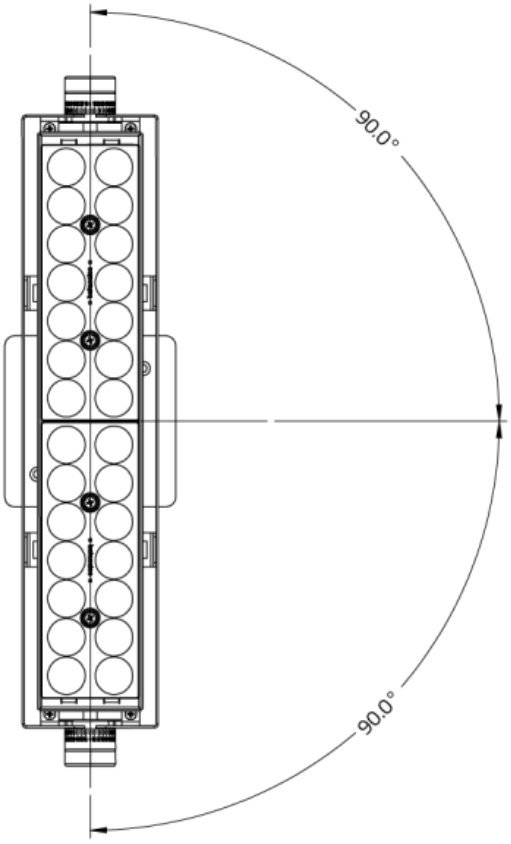


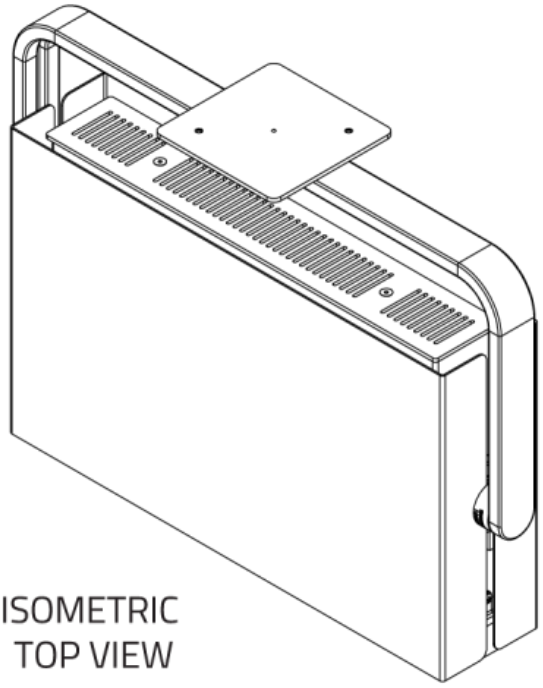
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ISOMETRIC
BOTTOM VIEW



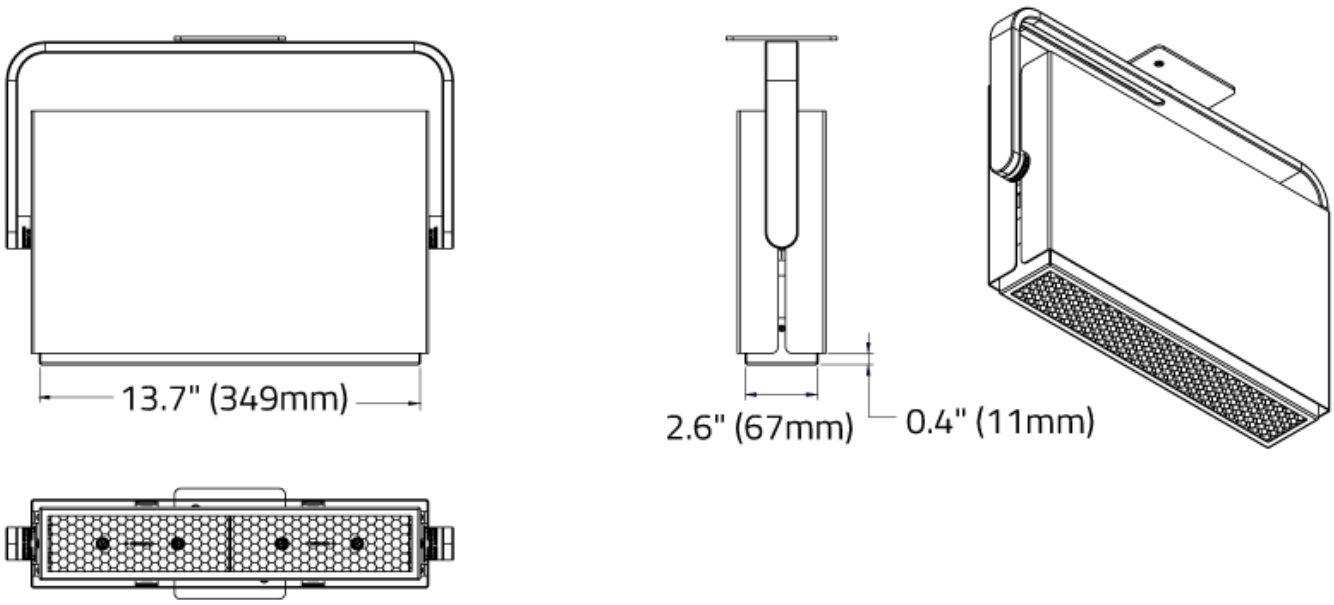


ISOMETRIC
TOP VIEW

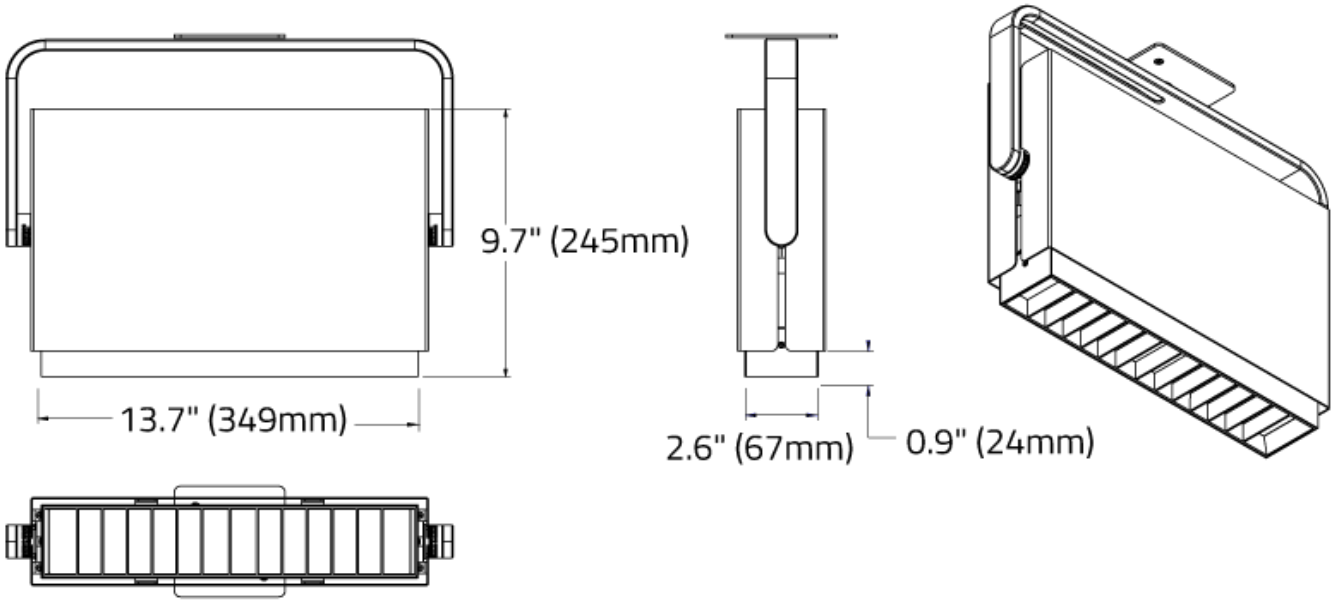
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LOUVRES

HEX CELL LOUVRE



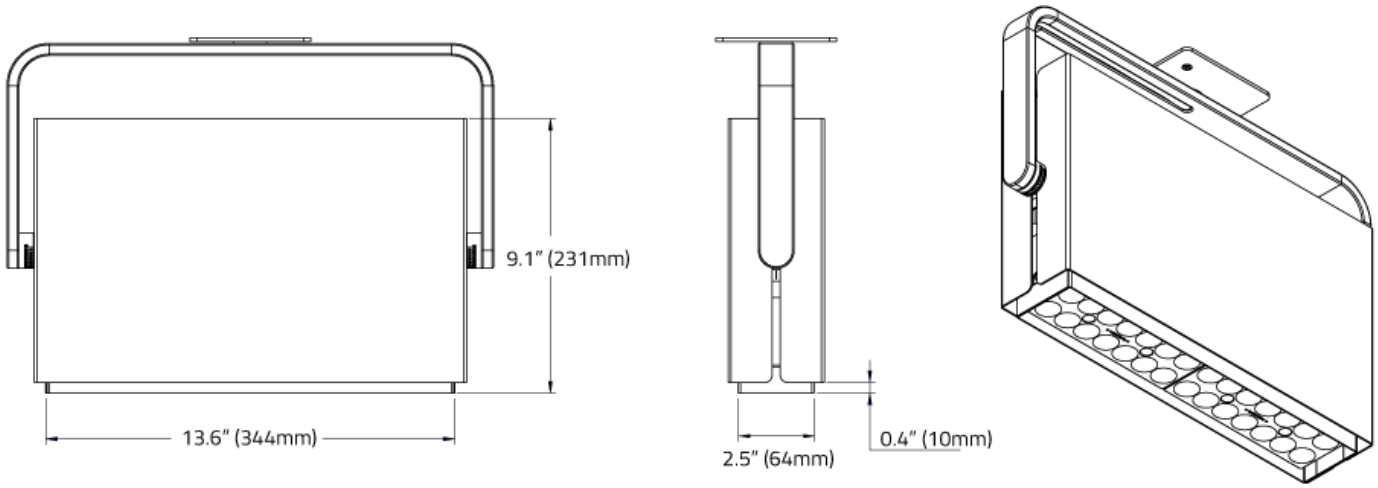
LADDER LOUVRE



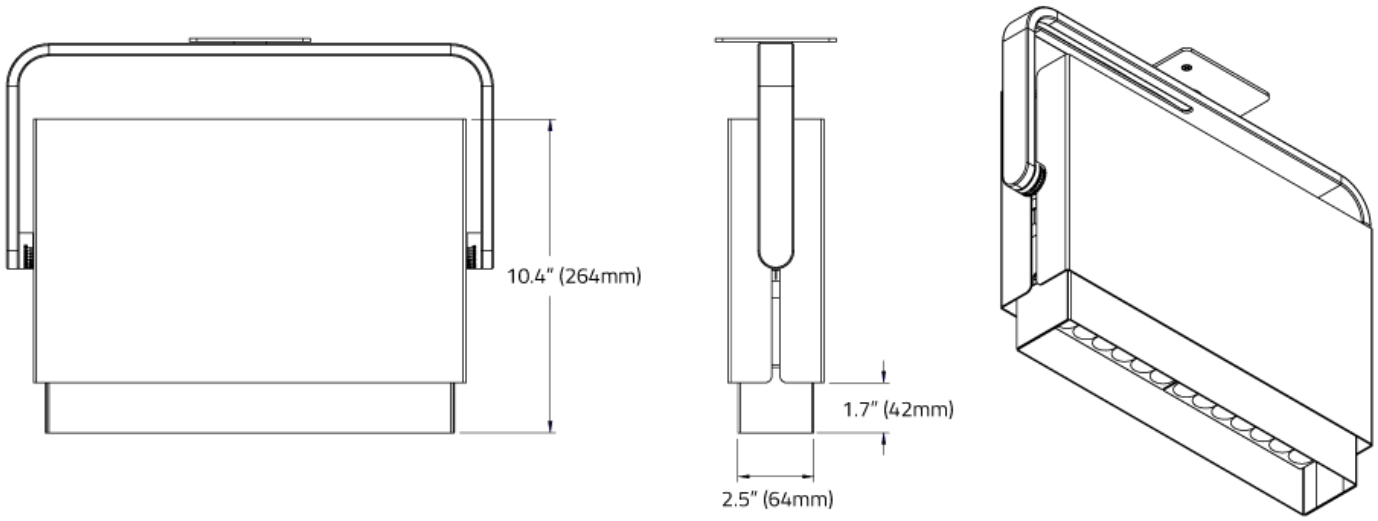
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SNOOTS

STANDARD SNOOT



LONG SNOOT



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