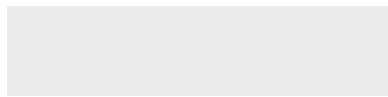


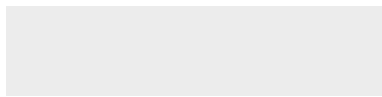


MATREX SINGLE™

FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE

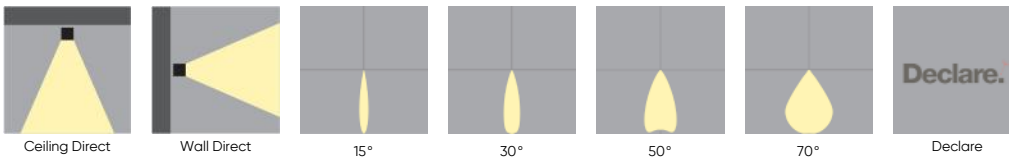


QUANTITIES

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.

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



6 HOW TO ORDER

1. LUMINAIRE

MATF1P01 Direct, 9200 lms

All data shown at max output and nominal values.

2. LUMENS

LMA0230 2300 LMA0460 4600 LMA0690 6900 LMA0920 9200

* Max lumen values shown, refer to IES files for the different snoot and beam options.

3. CRI

CR80 CRI 80+ CR90 CRI 90+

4. CCT

CTA27 2700K ¹ CTA30 3000K CTA35 3500K CTA40 4000K

¹ 2700K is only available with CRI 80+

5. BEAM ANGLE

BA15 15° BA30 30° BA50 50° BA70 70°
BA80 50°x80° ¹

¹ For use with NT8 Ladder Louver only.

6. VOLTAGE

V1 120/277V V2 240V ¹ V3 347V ²

¹ Not available in North America. ² Only available with DA01 dimming.

7. 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.

8. 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

9. 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.

10. EMERGENCY

E0 Emergency system not required	E2 Emergency system – Remote ¹
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¹ Not available with V3. Integral not available.

7 TECHNICAL DATA

LUMINAIRE

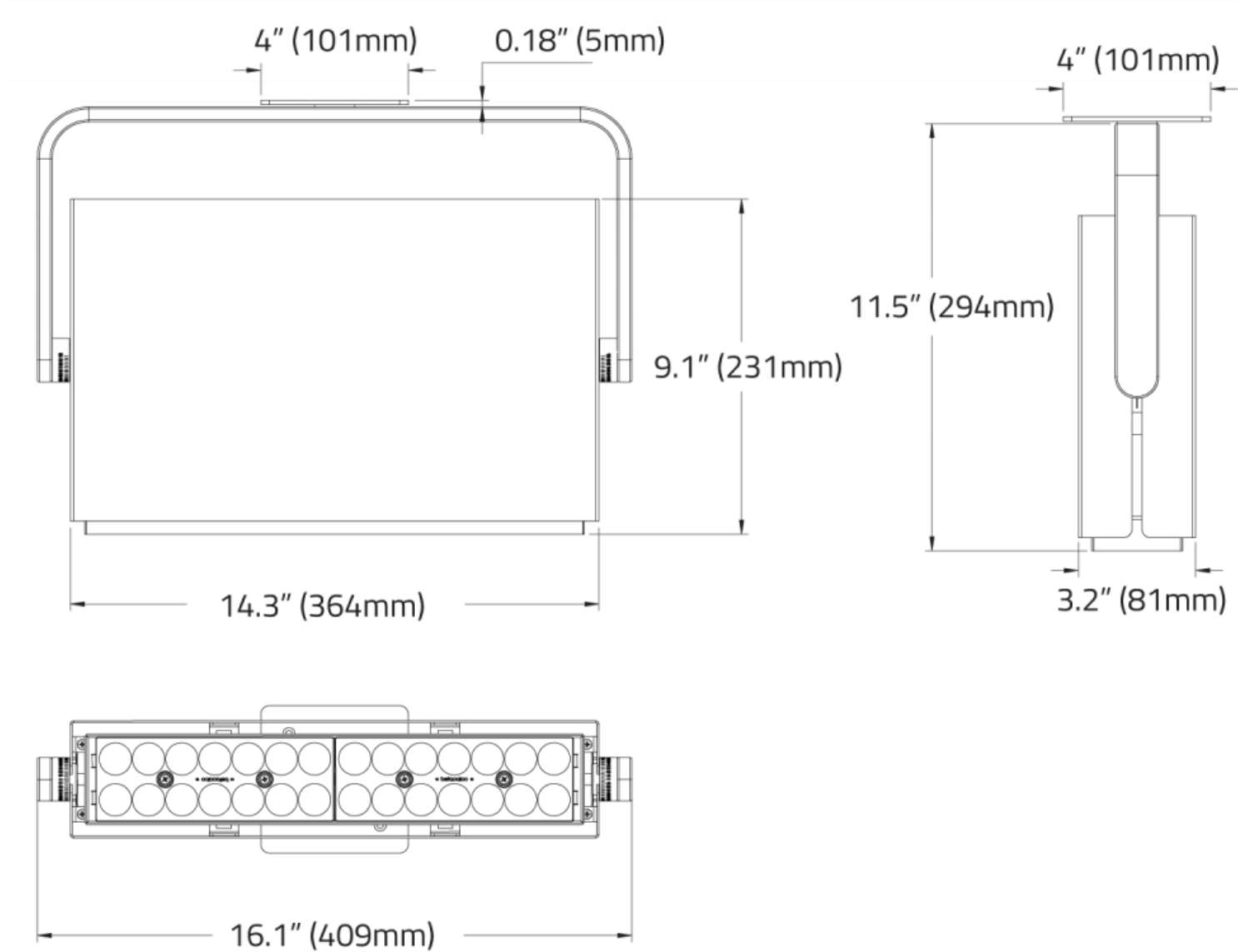
All data shown at max output and nominal values.

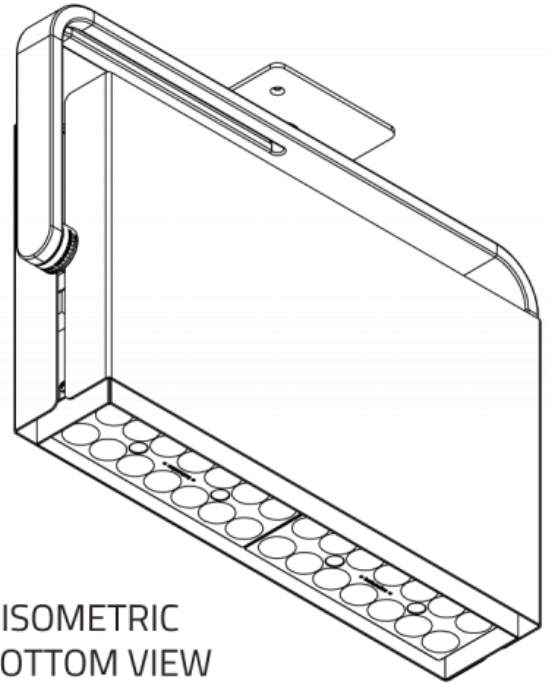
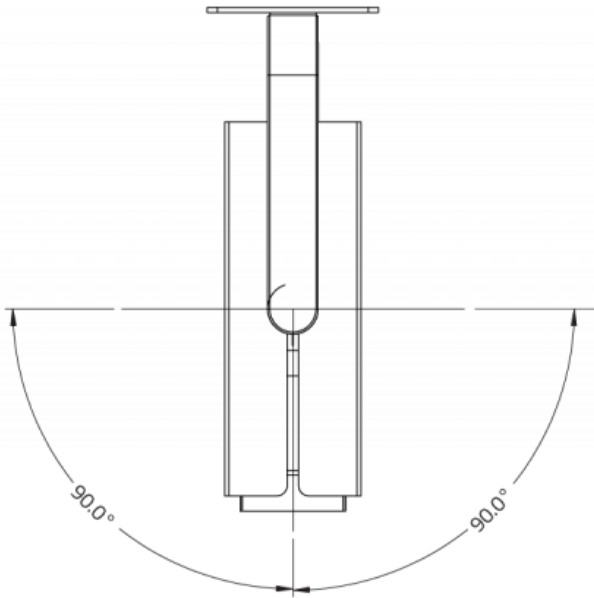
Code	MATF1P01
Light Direction	Direct
Wattage	82
Delivered lms	9200
LPW	130

8
PERFORMANCE DATA

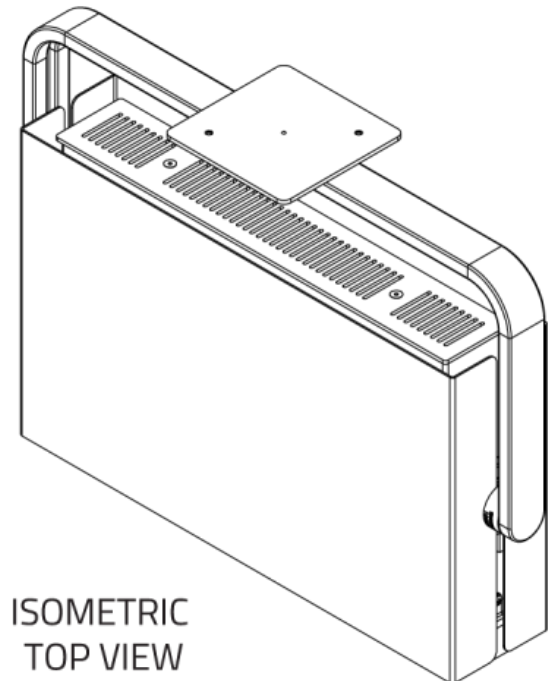
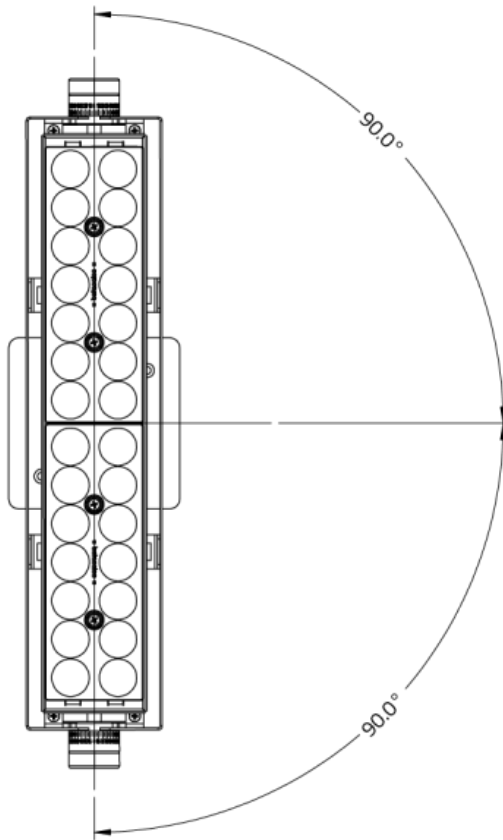
DIRECT 15° BEAM ANGLE	WATTS	LUMENS	LPW	DIRECT 30° BEAM ANGLE	WATTS	LUMENS	LPW
	16	2300	138		16	2300	140
	36	4500	127		36	4600	130
	57	6800	118		57	6900	120
	82	9000	110		82	9200	112
DIRECT 50° BEAM ANGLE	WATTS	LUMENS	LPW	DIRECT 70° BEAM ANGLE	WATTS	LUMENS	LPW
	16	2200	133		16	2200	134
	36	4400	123		36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

9 DIMENSIONAL DIAGRAMS





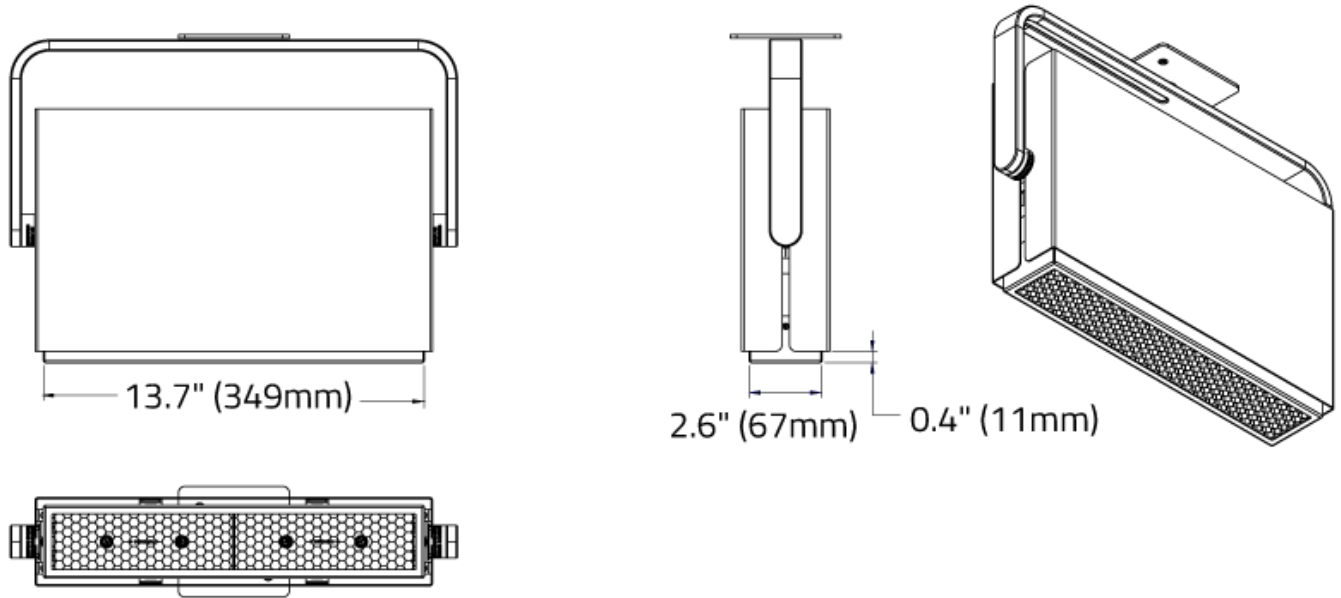
ISOMETRIC
BOTTOM VIEW



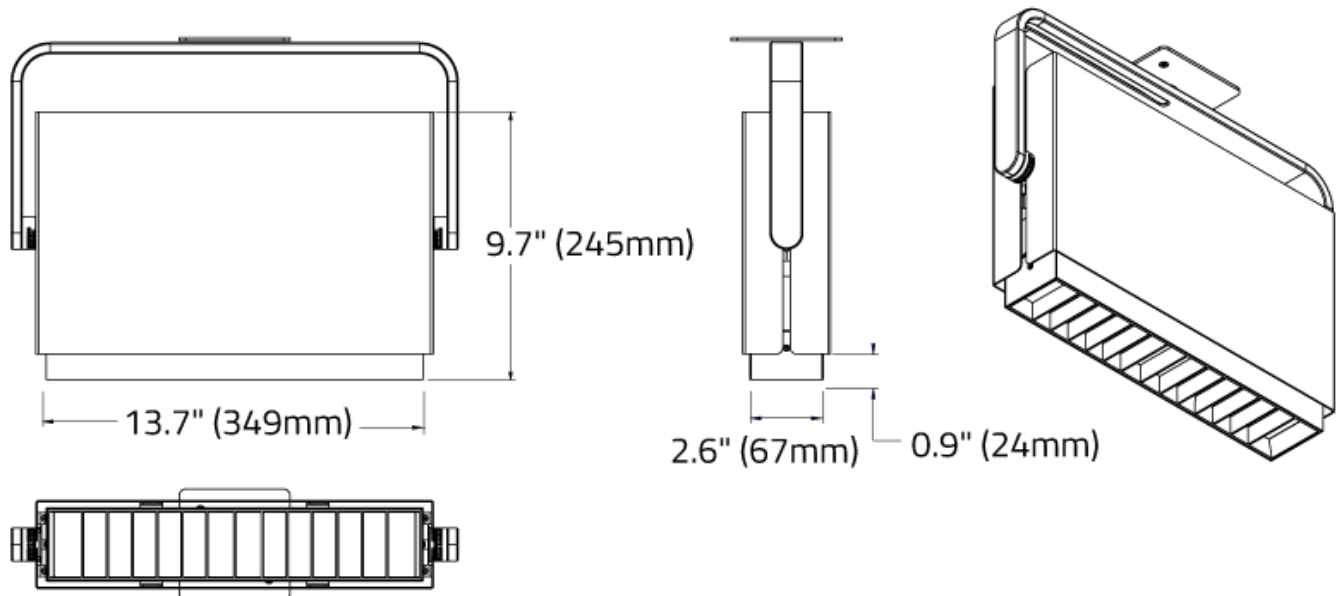
ISOMETRIC
TOP VIEW

LOUVRES

HEX CELL LOUVRE

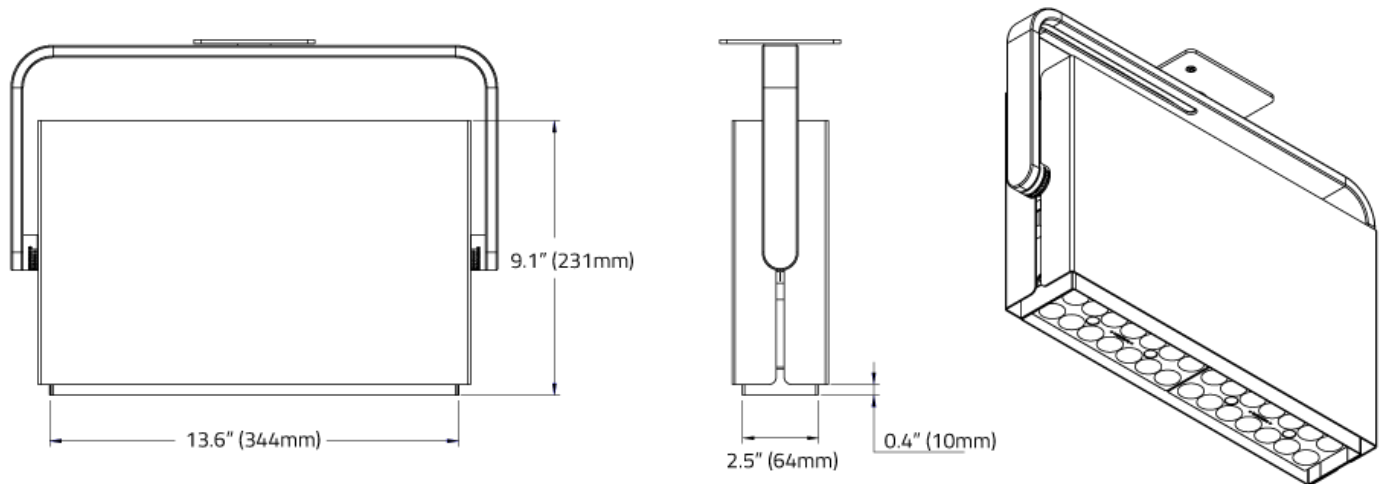


LADDER LOUVRE



SNOOTS

STANDARD SNOOT



LONG SNOOT

