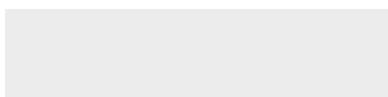


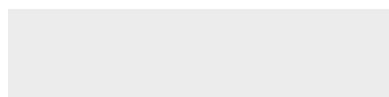


MATREX SINGLE™

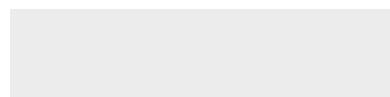
FULL SPECIFICATION SHEET



Fixture Type



Fixture Code

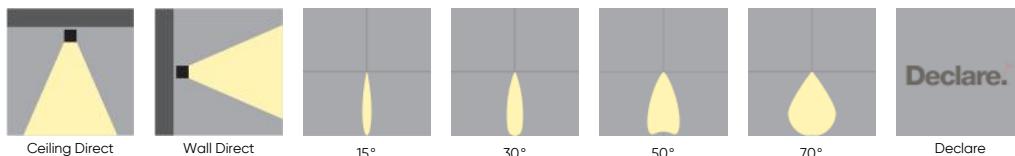


Quantities

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 & lpw 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** 2700K¹**CTA30** 3000K**CTA35** 3500K**CTA40** 4000K¹ 2700K is only available with CRI 80+**5. BEAM ANGLE****BA15** 15°**BA30** 30°**BA50** 50°**BA70** 70°**BA80** 50°x80°¹¹ For use with NT8 Ladder Louver only.**6. VOLTAGE****V1** 120/277V**V2** 240V¹**V3** 347V²¹ 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

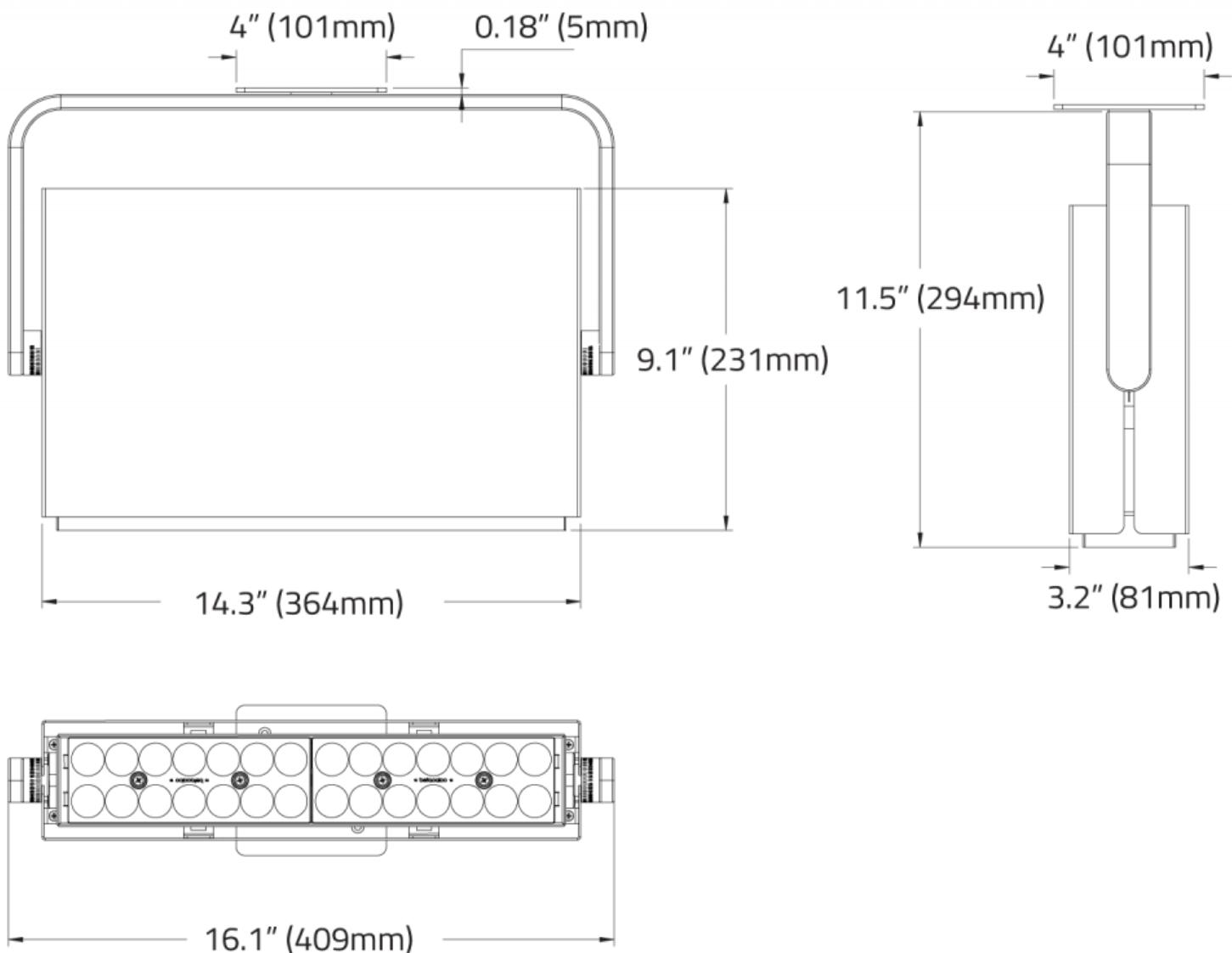
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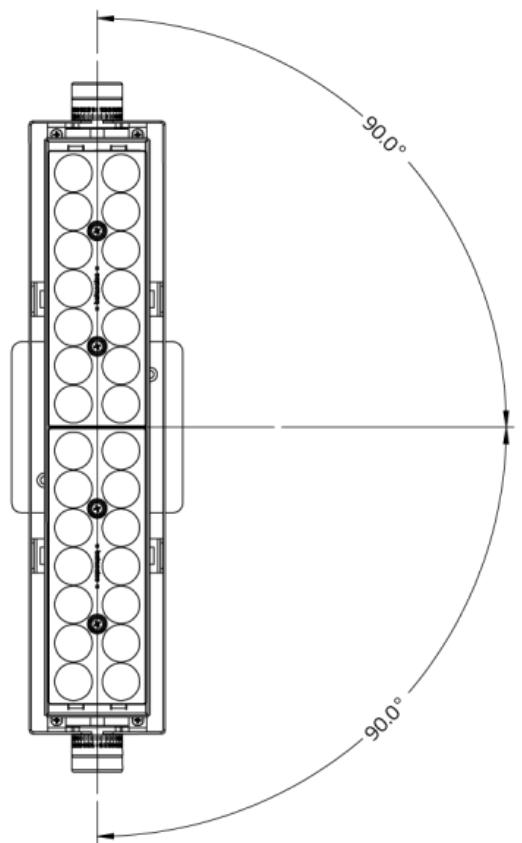
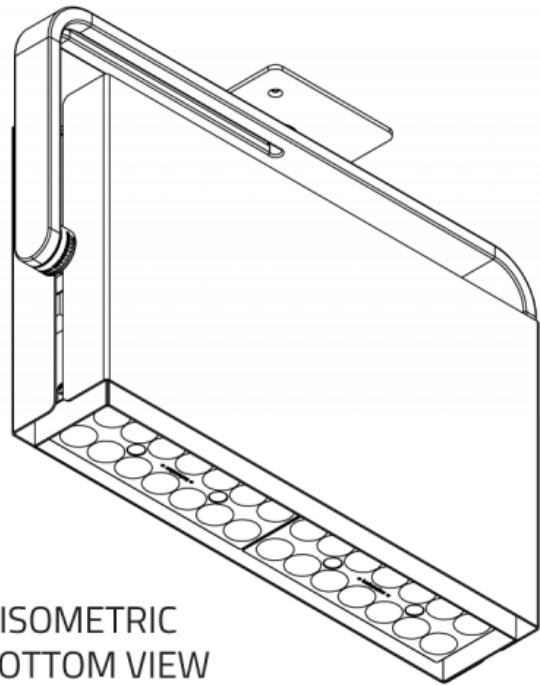
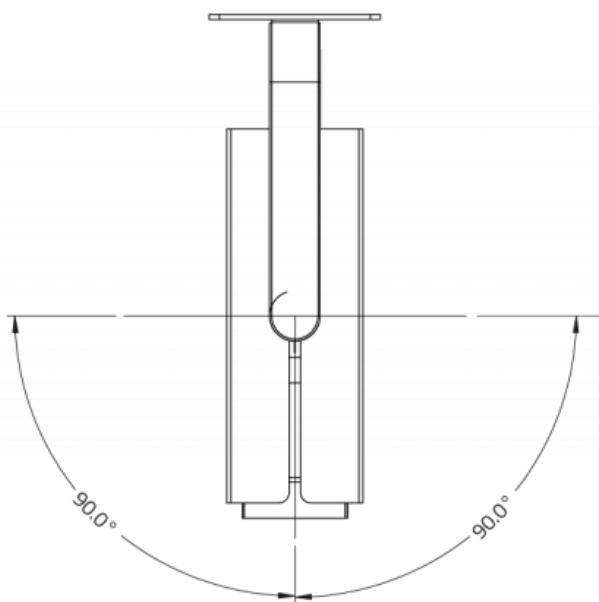
Code	MATF1P01
Light Direction	Direct
Wattage	82
Delivered lms	9200
LPW	130

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
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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

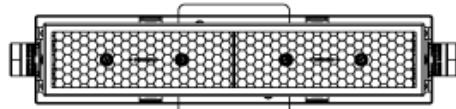
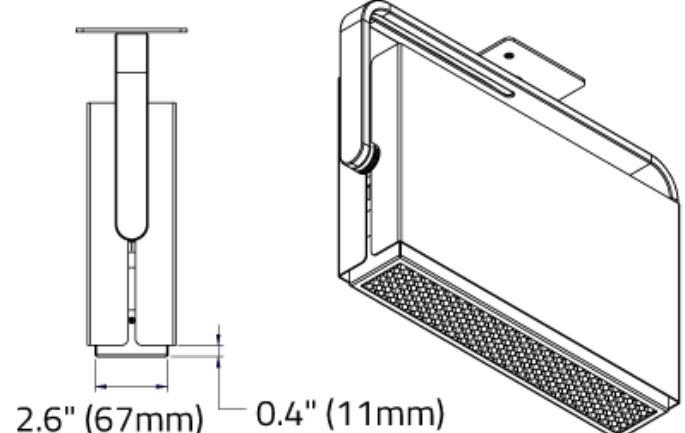
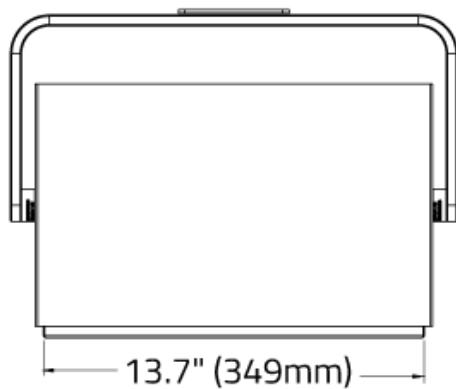
9 DIMENSIONAL DIAGRAMS



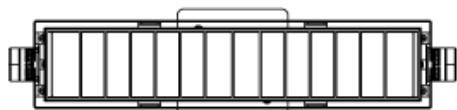
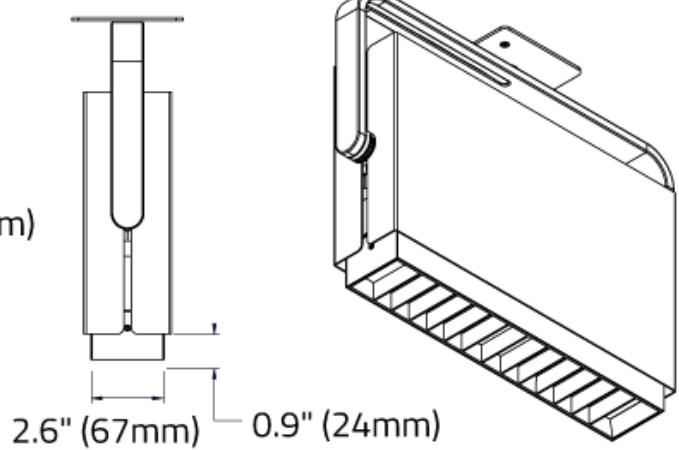
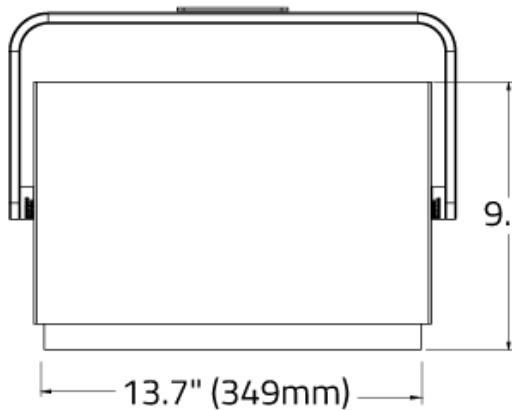


LOUVRES

HEX CELL LOUVRE

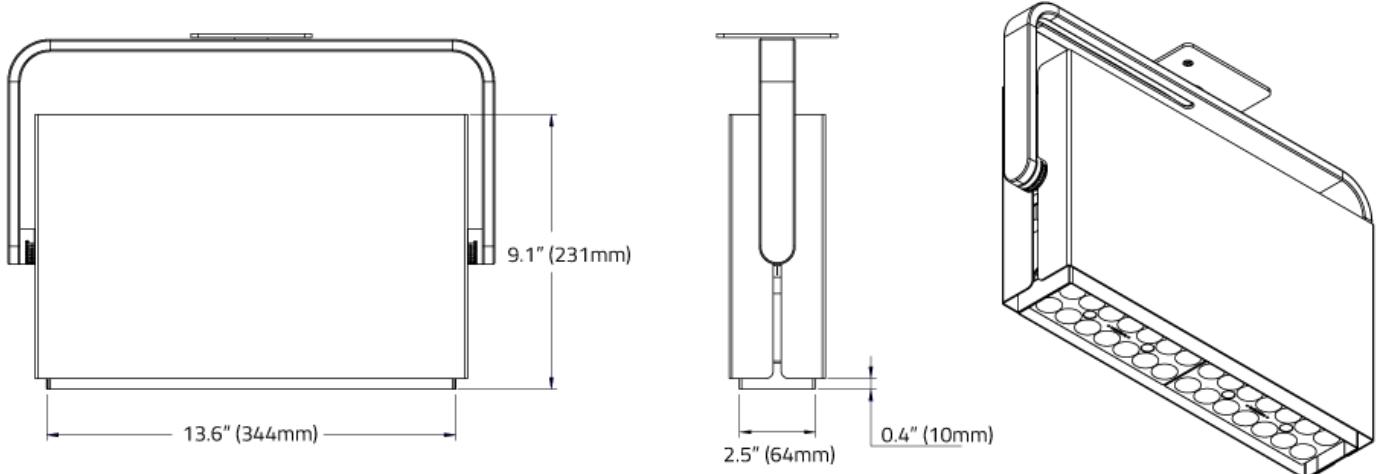


LADDER LOUVRE



SNOOTS

STANDARD SNOOT



LONG SNOOT

