Project Name: Fixture Type:

Fixture Code: Quantities:











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.

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

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.

Finish

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

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.

OPTICS & FEATURES



















Ceiling Direct

Wall - Direct/Indirect Wall - Indirect

Wall - Direct

Declare

HOW TO ORDER

A. LUMINAIRE

MXDF1P01 Direct, 18400 lms

All data shown at max output and nominal values.

B. LUMENS (HEAD A)

LMA0230 2300 **LMA0460** 4600 **LMA0690** 6900 **LMA0920** 9200

C. LUMENS (HEAD B)

LMB0230 2300 **LMB0460** 4600 **LMB0690** 6900 **LMB0920** 9200

D. CRI

CR80 CRI 80+ **CR90** CRI 90+

E. CCT

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

F. BEAM ANGLE (HEAD A)

BA15 15° **BA30** 30° **BA50** 50° **BA70** 70°

BA80 50°x80° 1

G. BEAM ANGLE (HEAD B)

BB15 15° **BB30** 30° **BB50** 50° **BB70** 70°

BB80 50°x80° ¹

H. VOLTAGE

V1 120/277V **V2** 240V ¹ **V3** 347V ²

I. DIMMING

DA01 0-10V Dimming 1.0% **DA02** 0-10V Dimming 0.1% **DA20** DALI Dimming 0.1% **DA21** DALI Dimming 1.0% **DA21** DALI Dimming 1.0%

DA30 DSI/switchDim ^{1 2}

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

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

¹ 2700K is only available with CRI 80+

¹ Available with NT8 Ladder Louver only.

¹ Not available in North America.

² Only available with DA01 dimming.

¹ Not available with V3.

² Not available in North America.

J. FINISH

FA01 White FA02 Black Metallic - Textured FA20 Silver Metallic - Textured FA44 Midnight Blue Metallic - Textured FA46 Charcoal Metallic - Textured FA47 Bronze Metallic - Textured FA53 Red Metallic - Textured

K. SNOOTS AND LOUVERS (HEAD A)

NT1 Standard Snoot - Black ' NT2 Standard Snoot - White ' NT3 Long Snoot - Black ' NT4 Long Snoot - White '

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 A snoot must be picked at time of order, if you are not ordering a louver.
- ² Not available with BA70 beam angle.
- ³ Available with BA80 beam angle and 2300 lumens only.

L. SNOOTS AND LOUVERS (HEAD B)

NU1 Standard Snoot - Black NU2 Standard Snoot - White NU3 Long Snoot - Black NU4 Long Snoot - White NU3 Long Snoot - Black NU4 Long Snoot - White NU3 Long Snoot - Black NU4 Long Snoot - White NU3 Long Snoot - Black NU4 Long Snoot - White NU3 Long Snoot - Black NU4 Long Snoot - White NU3 Long Snoot - Black NU4 Long Snoot - White Nu3 Long Snoot - Black NU4 Long Snoot - White Nu3 Long Snoot - Black Nu4 Long Snoot - White Nu4 Long Snoot

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 A snoot must be picked at time of order, if you are not ordering a louver.
- ² Not available with BB70 beam angle.

M. EMERGENCY

E0 Emergency system not required **E2** Emergency system - Remote ¹

N. SEPARATE SWITCHING

CS1 Single circuit **CS2** Separate switching

³ Available with BB80 beam angle and 2300 lumens only.

¹ Remote emergency in the lower module only. Not available with V3. Integral is not available.

TECHNICAL DATA

LUMINAIRE

All data shown at max output and nominal values.

MXDF1P01 Code **Light Direction** Direct Wattage 164 **Delivered Ims** 18400 LPW 130

FINISH - FIXTURE



APPROVALS











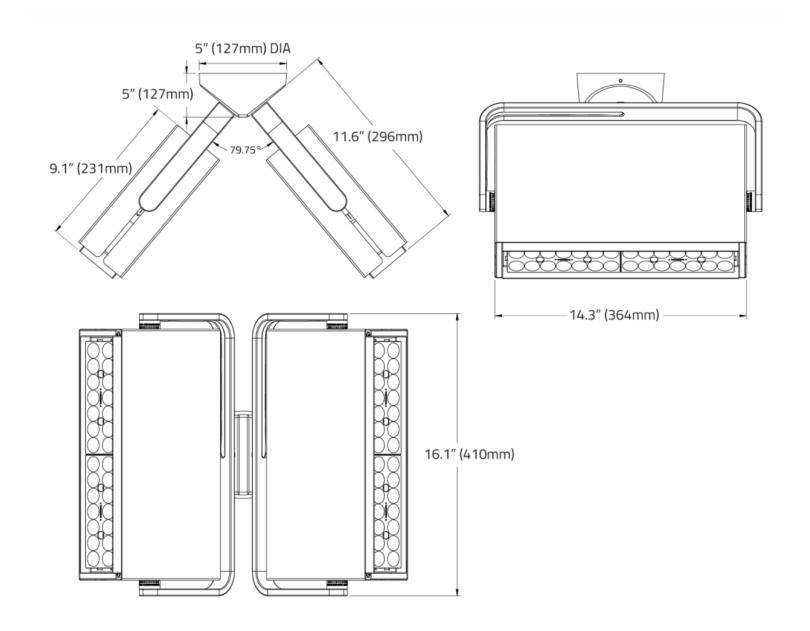


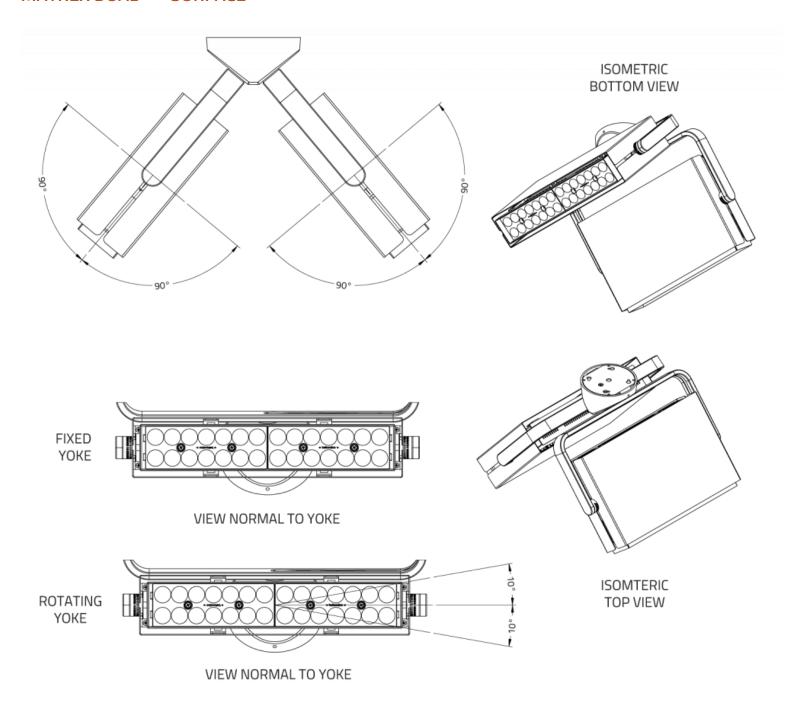
PERFORMANCE DATA

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

DIRECT 70° BEAM ANGLE	WATTS	LUMENS	LPW
	32	4400	134
	72	8800	123
	114	13200	115
	164	17600	107

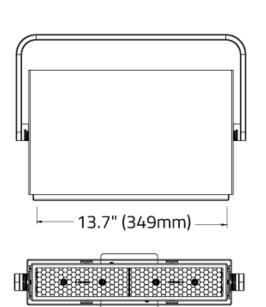
DIMENSIONAL DIAGRAMS

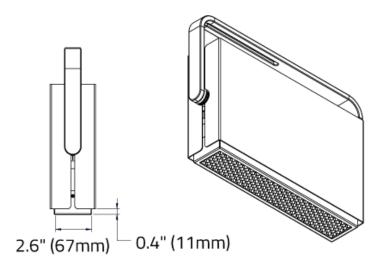




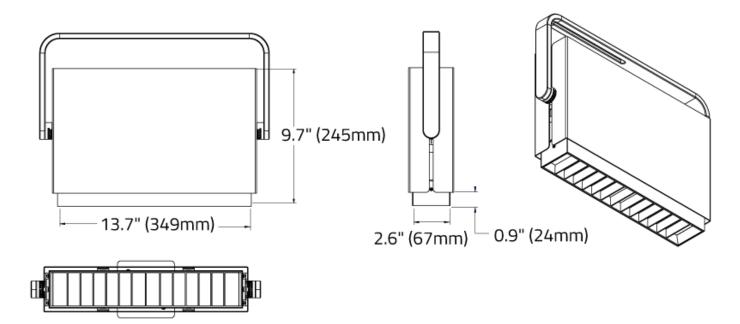
LOUVRES

HEX CELL LOUVRE



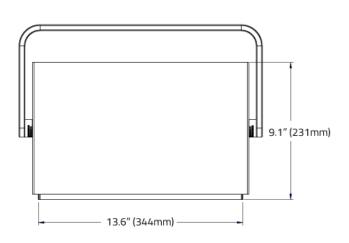


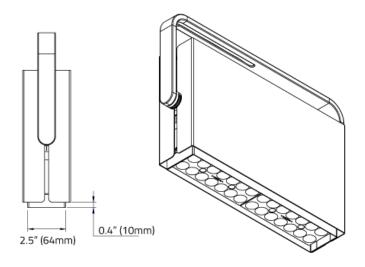
LADDER LOUVRE



SNOOTS

STANDARD SNOOT





LONG SNOOT

