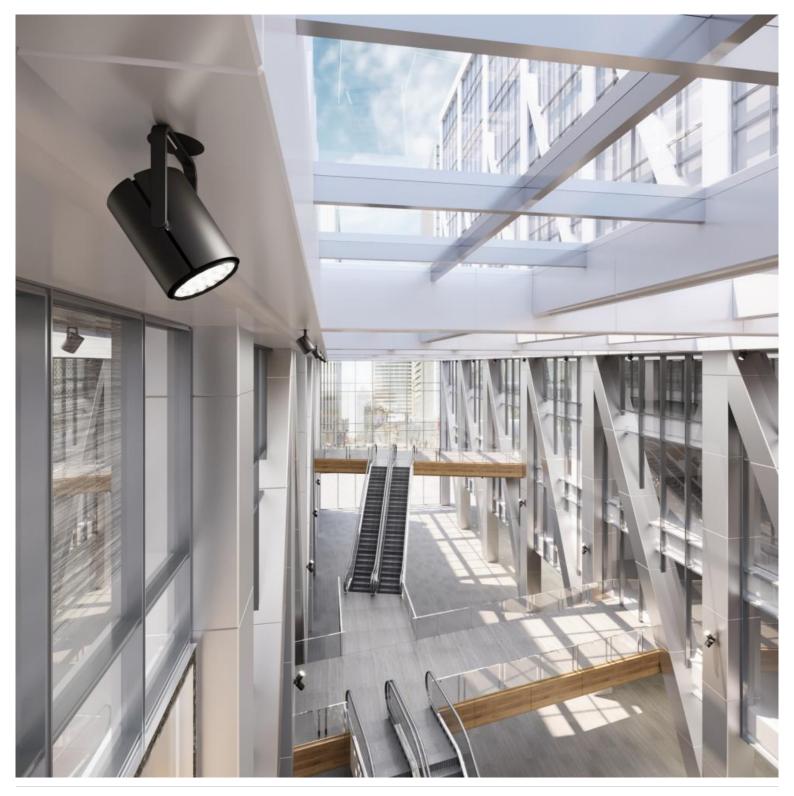
Project Name: Fixture Type:

Fixture Code: Quantities:











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.

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).

Sensors

Consult factory regarding sensor compatibility.

Approvals

Damp Rated.

Finish

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

Mechanical

Luminaires mount to a junction box (by others - North America only).

Reported L70 @25°C (77°F)

> 60,000 hrs.

Estimated L70 @25°C (77°F)

> 171,000 hrs.

Delivered lumens

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

Designed by

Serge Cornelissen.

OPTICS & FEATURES



Ceiling Direct













HOW TO ORDER

A. LUMINAIRE

MTRF1P01 Direct, LEDs / Multi-Array Optics, 10050 lms

MTRF1P02 Direct, COB / Reflector,

5025 lms

All data shown at max output and nominal values.

B. LUMENS

LMA0250 2500 **LMA0500** 5025 **LMA0750** 7500 1 **LMA1000** 10050 1

C. CRI

CR80 CRI 80+

CR90 CRI 90+ 1

D. CCT

CTA27 2700K ¹

CTA30 3000K

CTA35 3500K

CTA40 4000K

E. BEAM ANGLE

BA15 15° ¹

BA30 30° 1

BA50 50°

BA70 70° 1

F. VOLTAGE

V1 120/277V

V2 240V ¹

V3 347V ²

G. DIMMING

DA01 0-10V Dimming 1.0% **DA30** DSI/switchDim¹²

DA02 0-10V Dimming 0.1% ¹

DA20 DALI Dimming 0.1% 1

DA21 DALI Dimming 1.0% 1

H. FINISH

FA01 White

FA02 Black Metallic - Textured

FA20 Silver Metallic - Textured

FA25 Gold Metallic - Textured

FA44 Midnight Blue Metallic - Textured

FA46 Charcoal Metallic - Textured

¹ Not available with COB / Reflector.

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

¹ Not available with COB / Reflector.

¹ 2700K is only available with CRI 80+ and LEDs / Multi-Array Optics.

¹ 15°, 30°, and 70° are not available with COB / Reflector.

¹ Not available in North America.

² Only available with DA01 dimming.

¹ Not available with V3.

² Not available in North America.

I. SNOOTS AND LOUVER

NT1 Standard Snoot - Black ¹

NT2 Standard Snoot - White 1

NT3 Long Snoot - Black 12

NT4 Long Snoot - White 12

NT5 Half Snoot - Black 12

NT6 Half Snoot - White 12

NT9 Hex Louver - Black 2 3

For precise beam angle and lumen output, please refer to the IES files. Note that using snoots and louvers may decrease overall efficacy. For COB/Reflector, the bezel finish matches the snoot finish.

¹ A snoot must be picked at time of order, if you are not ordering a louver.

J. EMERGENCY

EO Emergency system not required

E2 Emergency system - Remote ¹

² Not available with COB / Reflector.

³ Not available with BA70 beam angle.

¹ Not available with V3. Integral not available.

TECHNICAL DATA

LUMINAIRE

All data shown at max output and nominal values.

Code	MTRF1P01	MTRF1P02
Light Direction	Direct	Direct
Wattage	93W	44W
Delivered Ims	10050	5025
LPW	124	111

FINISH - FIXTURE



APPROVALS











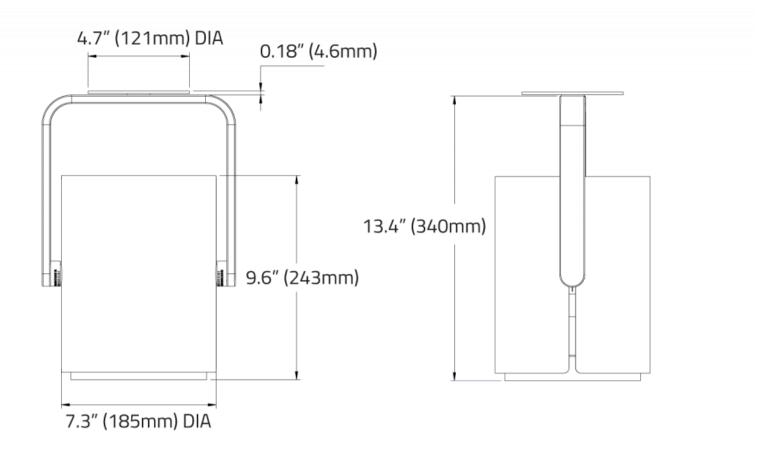


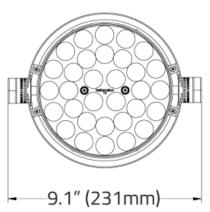
PERFORMANCE DATA

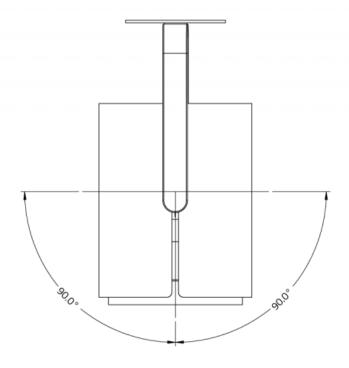
DIRECT 15° BEAM ANGLE	WATTS	LUMENS	LPW
	19	2500	132
	41	4900	121
	65	7400	114
	93	10000	106
DIRECT 30° BEAM ANGLE	WATTS	LUMENS	LPW
	19	2500	135
	41	5025	124
	65	7500	116
	93	10050	108
DIRECT 50° BEAM ANGLE	WATTS	LUMENS	LPW
	19	2400	128
	41	4800	117
	65	7100	110
	93	9500	102

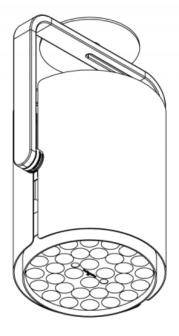
DIRECT 70° BEAM ANGLE	WATTS	LUMENS	LPW
	19	2400	129
	41	4800	118
	65	7200	111
	93	9600	103

DIMENSIONAL DIAGRAMS

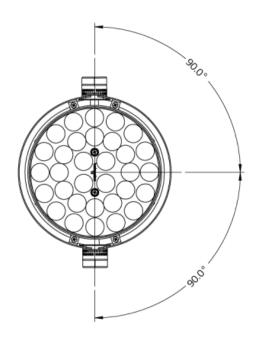


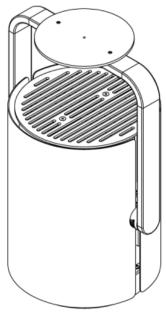






ISOMETRIC BOTTOM VIEW

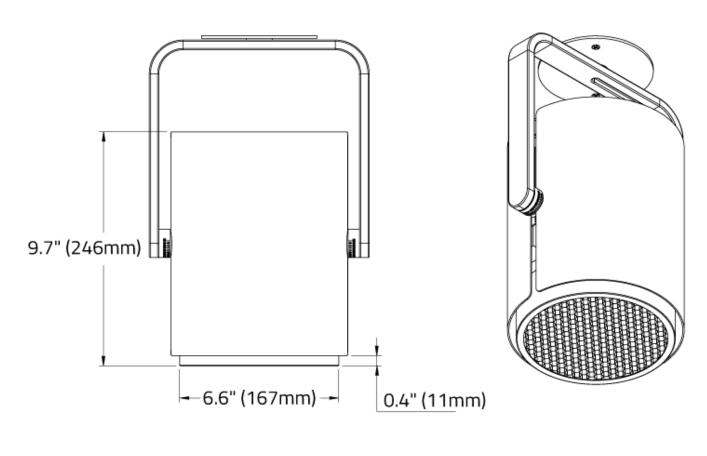


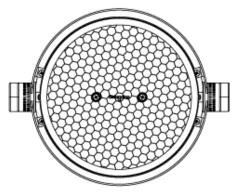


ISOMETRIC TOP VIEW

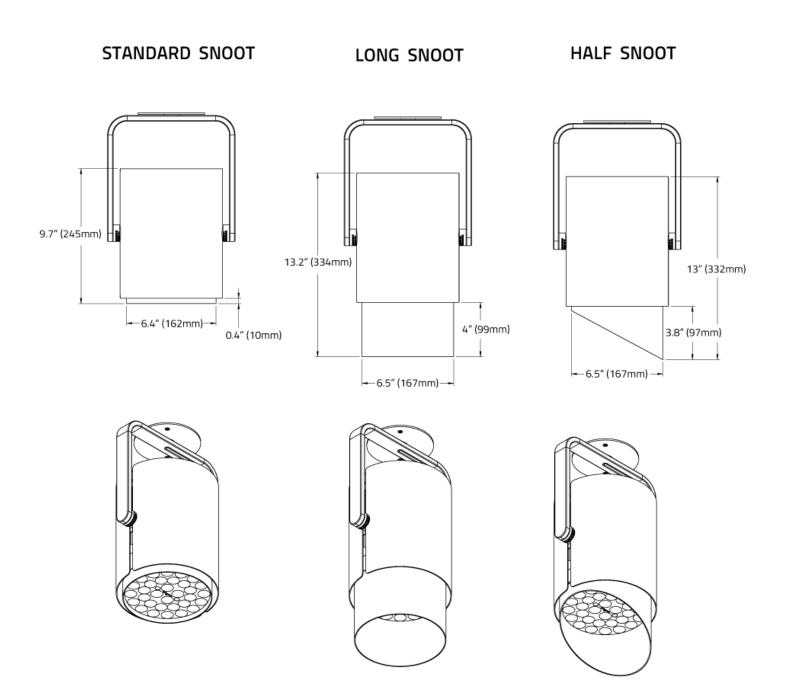
LOUVRE

HEX CELL LOUVRE

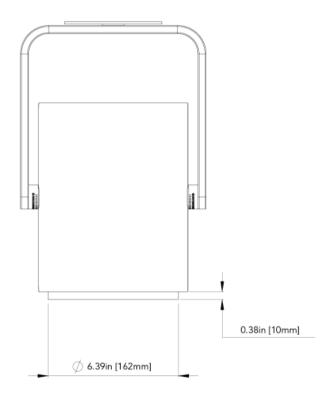


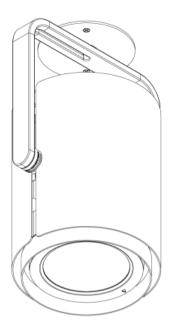


SNOOTS



Matrex RD Single - COB





Isometric View

