Project Name: Fixture Type:

Fixture Code: Quantities:





MATREX TWIST is a hybrid surface and pendant mount with a horizontal rotation of 180 degrees. The MATREX family of spotlights is 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.

Suspension

Steel cables.

Mechanical

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

Delivered lumens

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

Reported L70 @25°C (77°F)

> 60,000 hrs.

Approvals

Damp Rated.

Designed

US Pat. No. D917,765.

Finish

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

Power cable

Silver braided.

Drivers

HPF, electronic, 120-277V, 347V (EU-240V). The driver is integral to the fixture housing.

Sensors

Consult factory regarding sensor compatibility.

Estimated L70 @25°C (77°F)

> 171,000 hrs.

Designed by

Serge Cornelissen.

OPTICS & FEATURES



Suspended Direct



Direct/Indirect



Ceiling Direct



Suspended Indirect



15°



50°





Declare

HOW TO ORDER

A. LUMINAIRE

MXDT1P01 Double Down, 18400 lms MXDT2P01 Direct/Indirect, 18400 lms

All data shown at max output and nominal values.

For MXDT2P01 (Direct/Indirect) the upper module will be direct and lower module will be indirect.

B. LUMENS (UPPER MODULE)

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

For MXDT2P01 (Direct/Indirect) the upper module will be direct and lower module will be indirect.

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

C. LUMENS (LOWER MODULE)

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

For MXDT2P01 (Direct/Indirect) the upper module will be direct and lower module will be indirect.

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

D. CRI

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

E. CCT

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

F. BEAM ANGLE (UPPER MODULE)

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

BA80 50°x80° 1

G. BEAM ANGLE (LOWER MODULE)

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

BB80 50°x80° 1

H. VOLTAGE

V1 120/277V **V2** 240V¹ **V3** 347V²

I. 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 12

² Not available in North America.



¹ 2700K is only available with CRI 80+

¹ Available with Double Down luminaire only.

¹ Not available in North America

² Only available with DA01 dimming

¹ Not available with V3.

J. FIXTURE 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. SNOOT (UPPER MODULE)

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

L. SNOOT (LOWER MODULE)

NU1 Standard Snoot - Black 1 NU2 Standard Snoot - White 1 NU3 Long Snoot - Black 1 NU4 Long Snoot - White 1

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 Direct/Indirect (Indirect only), BA70 beam angle.
- ³ Available with Double Down and Direct/Indirect (Direct only), BA80 beam angle and 2300 lumens only.

TECHNICAL DATA

LUMINAIRE

All data shown at max output and nominal values.

For MXDT2P01 (Direct/Indirect) the upper module will be direct and lower module will be indirect.

Code	MXDT1P01	MXDT2P01
Light Direction	Double Down	Direct/Indirect
Max Wattage	164	164
Max Delivered Ims	18400	18400
Max LPW	130	130

FINISH - FIXTURE



APPROVALS













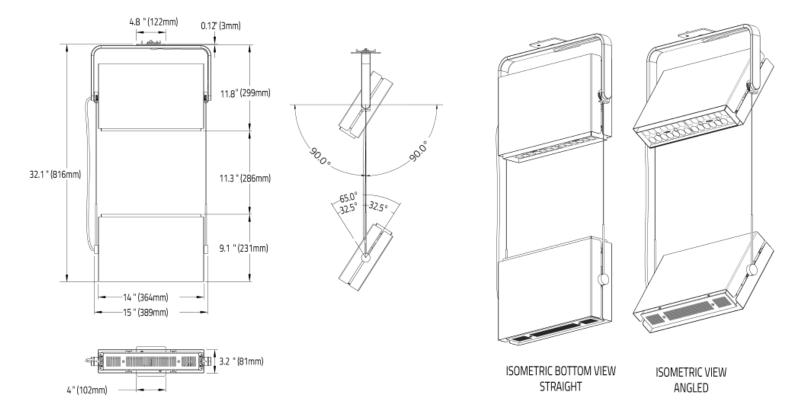
PERFORMANCE DATA

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

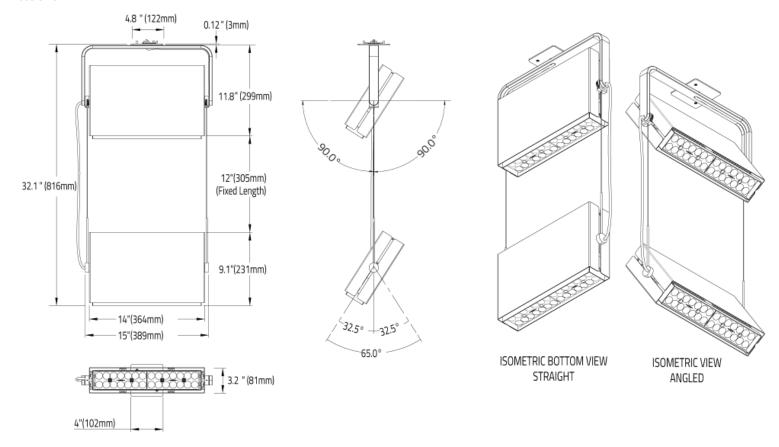
DIRECT, 70° BEAM ANGLE	WATTS	LUMENS	LPW
	32	4400	134
	72	8800	123
	114	13200	115
	164	17600	107

DIMENSIONAL DIAGRAMS

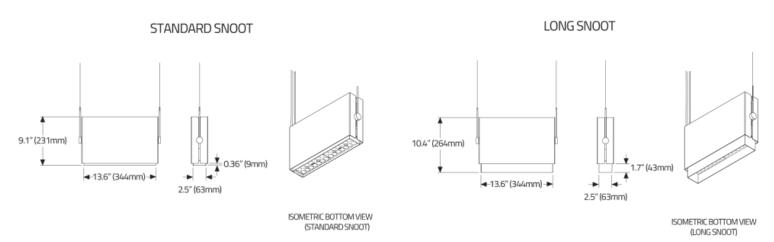
Direct Indirect



Double Down



Snoots



LOUVRES

