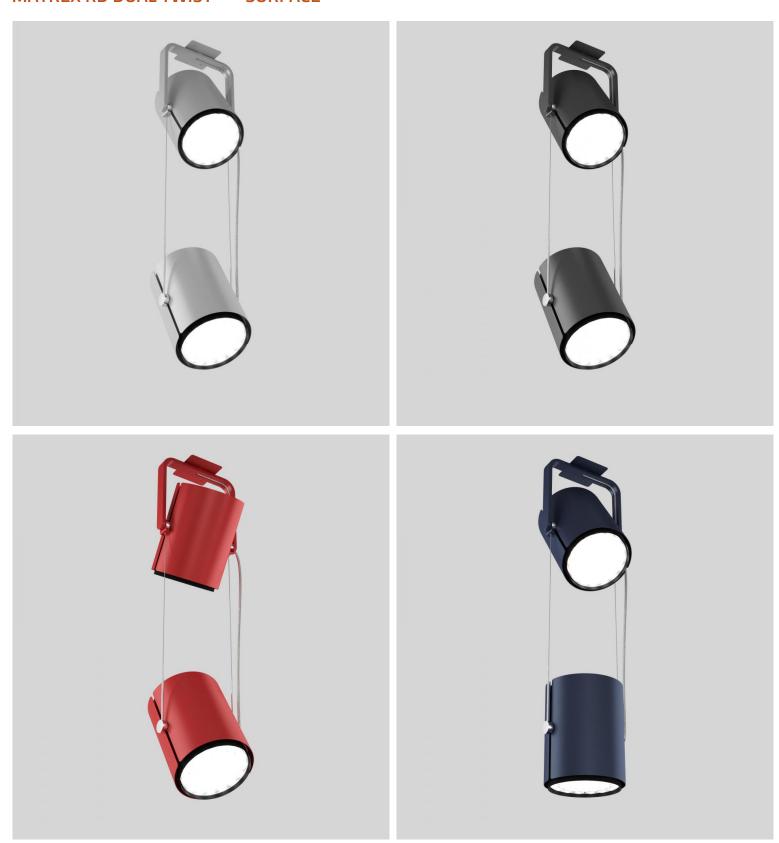
Project Name: Fixture Type:

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.

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



Suspended Direct/Indirect



Ceiling Direct



Suspended



Indirect



15°



30°



50°





Declare

HOW TO ORDER

A. LUMINAIRE

MRDT1P01 Double Down, LEDs / Multi- MRDT2P01 Direct/Indirect, LEDs / Array Optics, 20100 lms

Multi-Array Optics, 20100 lms

MRDT1P02 Double Down, COB / Reflector, 10050 lms

MRDT2P02 Direct/Indirect, COB / Reflector, 10050 lms

All data shown at max output and nominal values.

For MRDT2P01 and MRDT2P02 (Direct/Indirect) the upper module will be direct and the lower module will be indirect.

B. LUMENS (UPPER MODULE)

LMA0250 2500 **LMA0500** 5025 LMA0750 7500 ¹

LMA1000 10050 1

For MRDT2P01 and MRDT2P02 (Direct/Indirect) the upper module will be direct and the lower module will be indirect.

C. LUMENS (LOWER MODULE)

LMB0500 5025 LMB0250 2500

LMB0750 7500¹

LMB1000 10050 1

For MRDT2P01 and MRDT2P02 (Direct/Indirect) the upper module will be direct and the lower module will be indirect.

D. CRI

CR80 CRI 80+

CR90 CRI 90+1

E. CCT

CTA27 2700K 1

CTA30 3000K

CTA35 3500K

CTA40 4000K

F. BEAM ANGLE (UPPER MODULE)

BA15 15° 1

BA30 30° 1

BA50 50°

BA70 70° 1

G. BEAM ANGLE (LOWER MODULE)

BB15 15° ¹

BB30 30° ¹

BB50 50°

BB70 70° 1

H. VOLTAGE

V1 120/277V

V2 240V 1

V3 347V 2

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.

^{*} 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+

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

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

¹ Not available in North America

² Only available with DA01 dimming

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

J. FIXTURE FINISH

FA01 White FA02 Black Metallic - Textured FA20 Silver Metallic - Textured FA44 Midnight Blue Metallic - Textured

FA46 Charcoal Metallic - Textured FA53 Red Metallic - Textured FA53 Red Metallic - Textured

K. SNOOTS AND LOUVER (UPPER MODULE)

NT1 Standard Snoot - Black ¹ NT2 Standard Snoot - White ¹ NT3 Long Snoot - Black ¹² NT4 Long Snoot - White ¹²

NT9 Hex Louver - Black 23

For precise beam angle and lumen output, please refer to the IES files. Note that using snoots 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.

L. SNOOTS AND LOUVER (LOWER MODULE)

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

NU9 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 Not available with V3.

² Not available in North America.

² Not available with COB / Reflector.

³ Not available with BA70 beam angle. Available with Double Down version only.

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

² Not available with BB70 beam angle. Available with Double Down version only.

TECHNICAL DATA

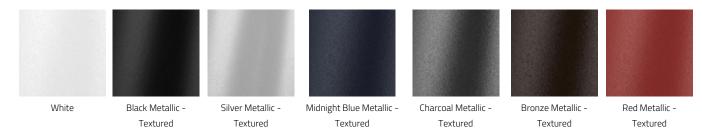
LUMINAIRE

All data shown at max output and nominal values.

For MRDT2P01 and MRDT2P02 (Direct/Indirect) the upper module will be direct and the lower module will be indirect.

Code	MRDT1P01	MRDT2P01	MRDT1P02	MRDT2P02
Light Direction	Double Down	Direct/Indirect	Double Down	Direct/Indirect
Max Wattage	186W	186W	88W	88W
Max Delivered Ims	20100	20100	10050	10050
Max LPW	124	124	111	111

FINISH - FIXTURE



APPROVALS













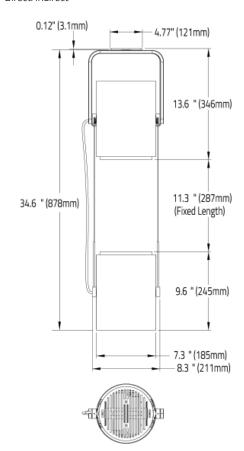
PERFORMANCE DATA

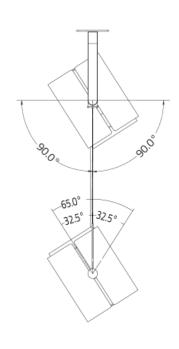
DIRECT 15° BEAM ANGLE	WATTS	LUMENS	LPW
	38	5000	132
	82	9800	121
	130	14800	114
	186	20000	106
DIRECT 30° BEAM ANGLE	WATTS	LUMENS	LPW
	38	5000	135
	82	10050	124
	130	15000	116
	186	20100	108
DIRECT 50° BEAM ANGLE	WATTS	LUMENS	LPW
	38	4800	128
	82	9600	117
	130	14200	110
	186	19000	102

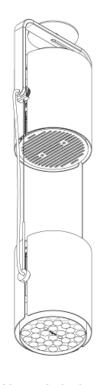
DIRECT 70° BEAM ANGLE	WATTS	LUMENS	LPW
	38	4800	129
	82	9600	118
	130	14400	111
	186	19200	103

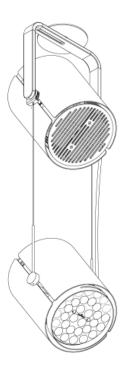
DIMENSIONAL DIAGRAMS

Direct/Indirect





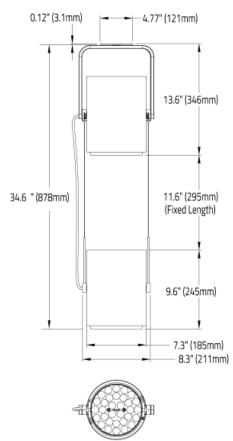


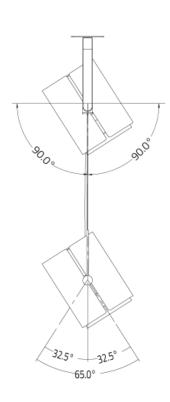


ISOMETRIC BOTTOM VIEW STRAIGHT

ISOMETRIC VIEW ANGLED

Double Down









ISOMETRIC BOTTOM VIEW STRAIGHT

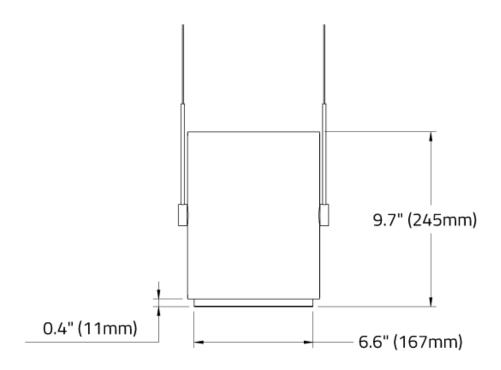
ISOMETRIC VIEW ANGLED

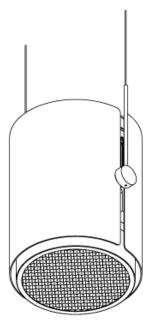
Snoots

STANDARD SNOOT LONG SNOOT 9.6" (244mm) 0.38" (10mm) ISOMETRIC VIEW ISOMETRIC VIEW

LOUVRE

HEX CELL LOUVRE

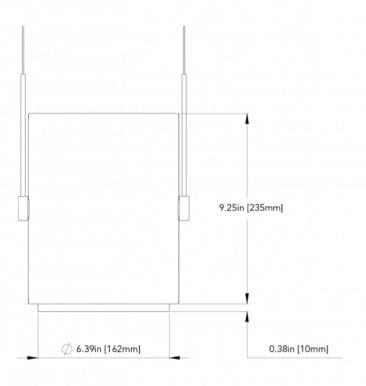


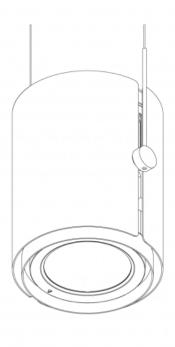




Matrex Round PD - COB

Matrex RD PD - COB





Isometric View

