

MATREX DUAL TWIST™ - SURFACE

Project Name:	Fixture Type:
Fixture Code:	Quantities:



MATREX DUAL TWIST™ - SURFACE



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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 & lpm 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.

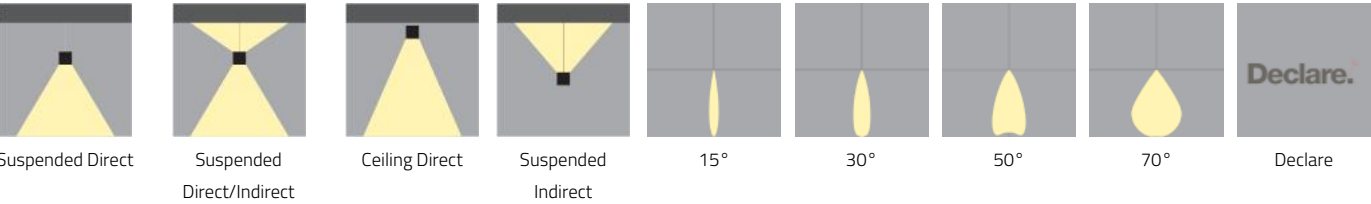
Estimated L70 @25°C (77°F)

> 171,000 hrs.

Designed by

Serge Cornelissen.

OPTICS & FEATURES



MATREX DUAL TWIST™ - SURFACE

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

¹ 2700K is only available with CRI 80+

F. BEAM ANGLE (UPPER MODULE)

BA15 15° **BA30** 30° **BA50** 50° **BA70** 70°
BA80 50°x80° ¹

¹ Available with Double Down luminaire only.

G. BEAM ANGLE (LOWER MODULE)

BB15 15° **BB30** 30° **BB50** 50° **BB70** 70°
BB80 50°x80° ¹

H. VOLTAGE

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

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 ^{1 2}

¹ Not available with V3.
² Not available in North America.

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J. 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

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.

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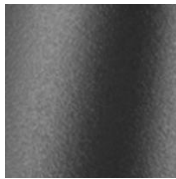
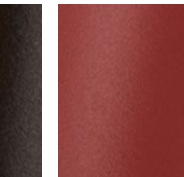
TECHNICAL DATA

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 lms	18400	18400
Max LPW	130	130

FINISH - FIXTURE

							
White	Black Metallic - Textured	Silver Metallic - Textured	Gold Metallic - Textured	Midnight Blue Metallic - Textured	Charcoal Metallic - Textured	Bronze Metallic - Textured	Red Metallic - Textured

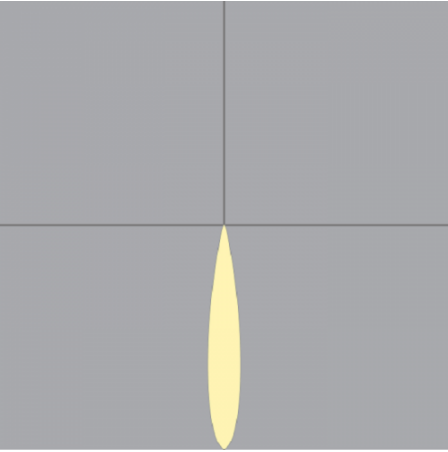
APPROVALS



MATREX DUAL TWIST™ - SURFACE

PERFORMANCE DATA

DIRECT, 15° BEAM ANGLE

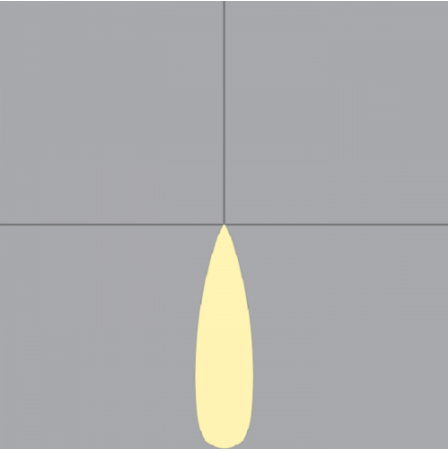


WATTS
32
72
114
164

LUMENS
4600
9000
13600
18000

LPW
138
127
118
110

DIRECT, 30° BEAM ANGLE

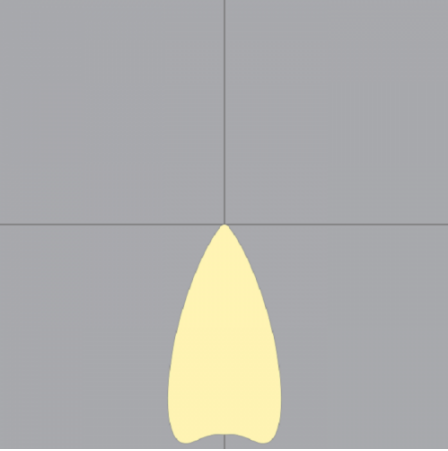


WATTS
32
72
114
164

LUMENS
4600
8800
13000
17400

LPW
140
130
120
112

DIRECT, 50° BEAM ANGLE



WATTS
32
72
114
164

LUMENS
4400
8800
13000
17400

LPW
133
123
114
107

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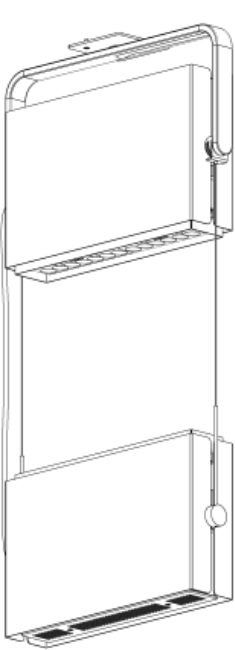
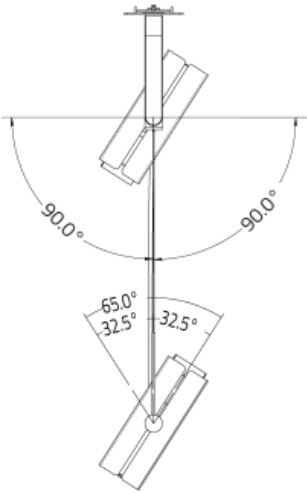
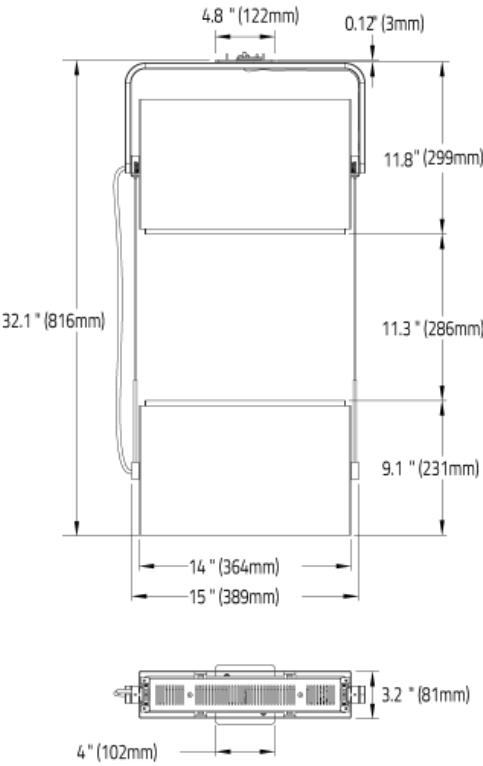
DIRECT, 70° BEAM ANGLE

	WATTS	LUMENS	LPW
	32	4400	134
	72	8800	123
	114	13200	115
	164	17600	107

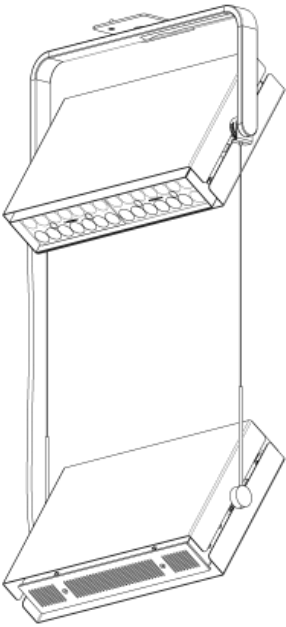
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DIMENSIONAL DIAGRAMS

Direct Indirect



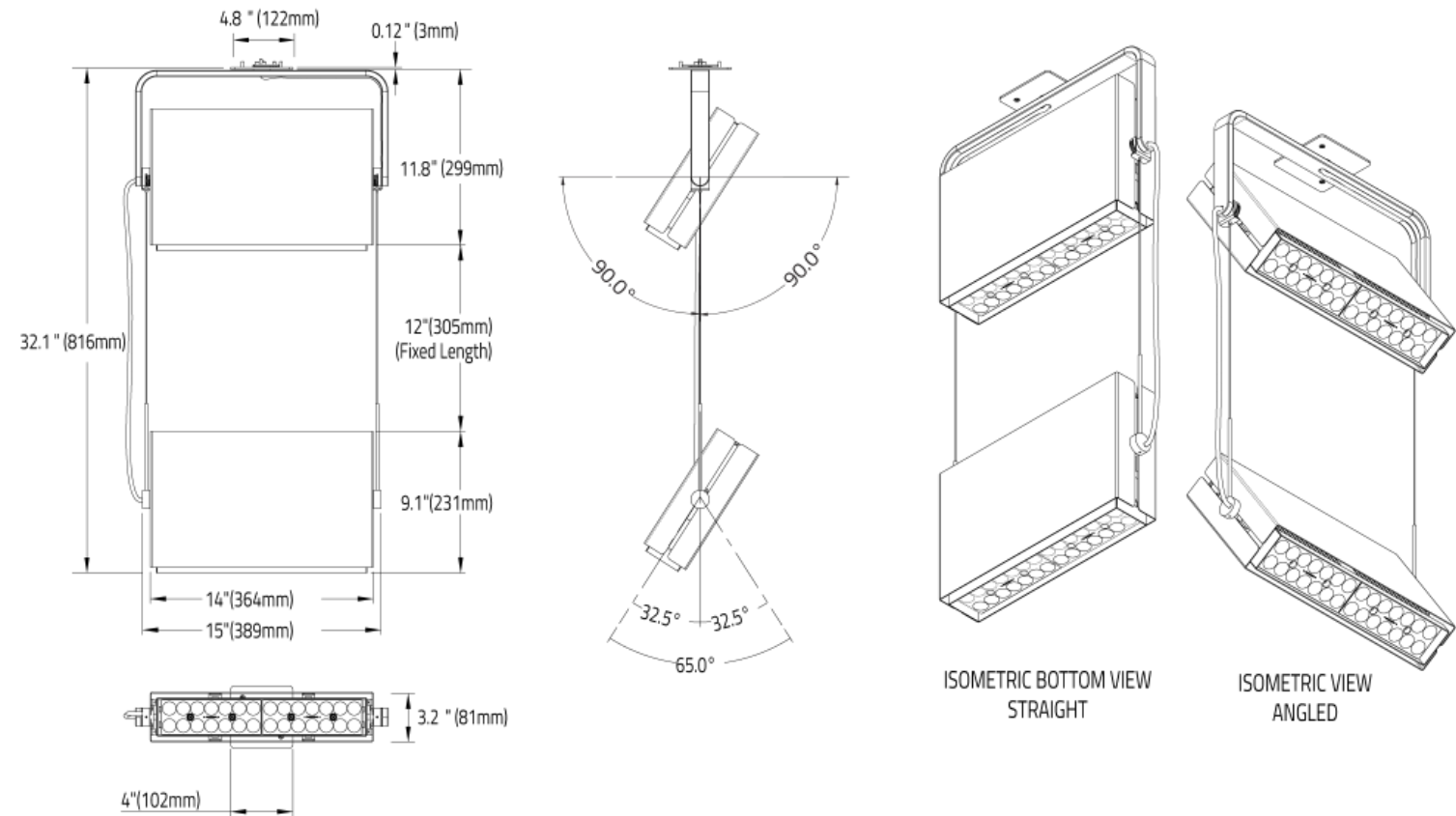
ISOMETRIC BOTTOM VIEW
STRAIGHT



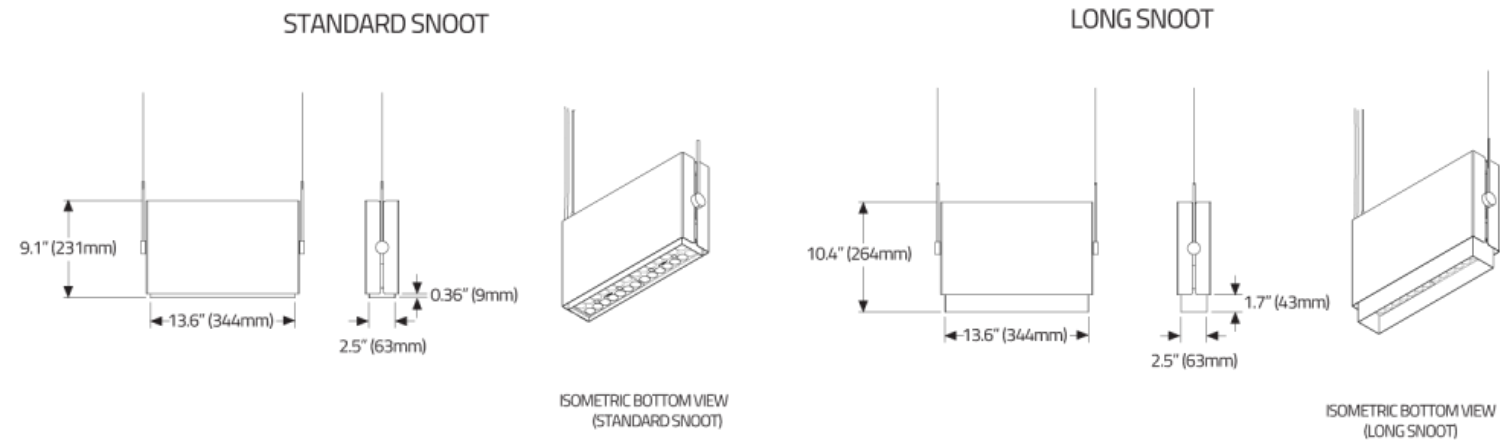
ISOMETRIC VIEW
ANGLED

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Double Down



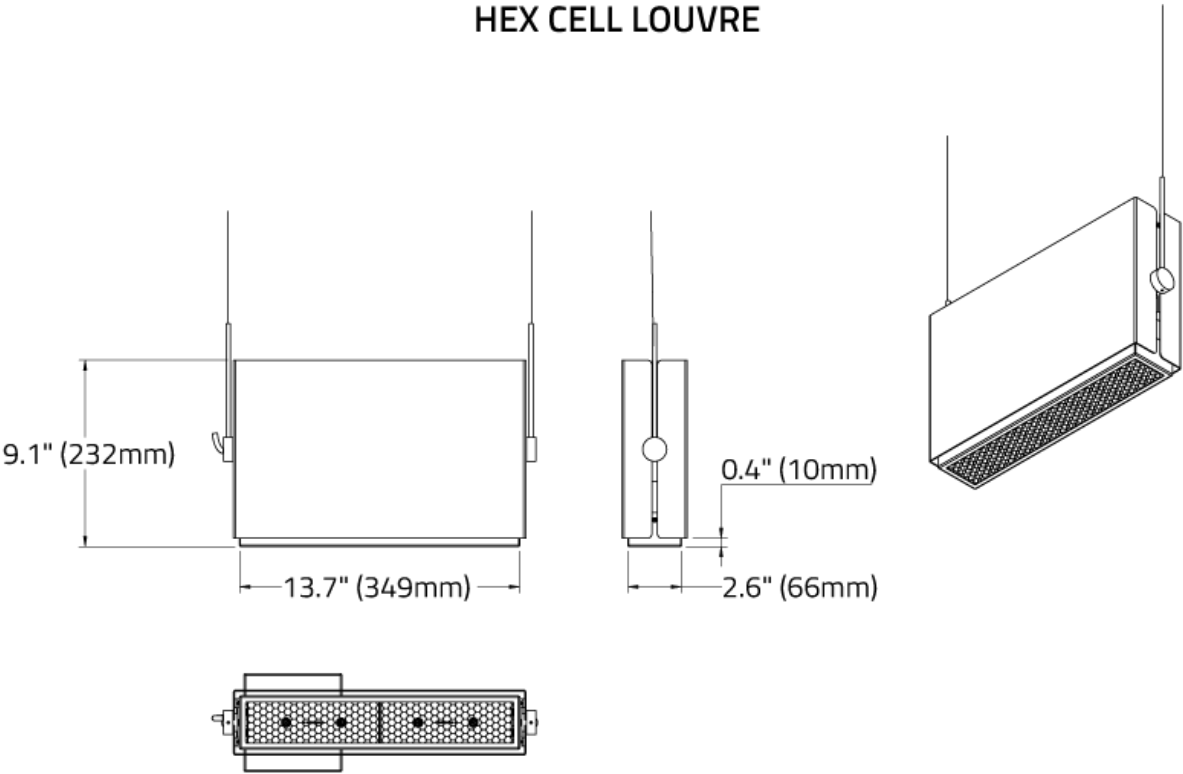
Snoots



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LOUVRES

HEX CELL LOUVRE



LADDER LOUVRE

