



MATREX DUAL TWIST™

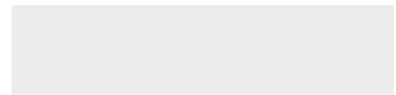
FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE

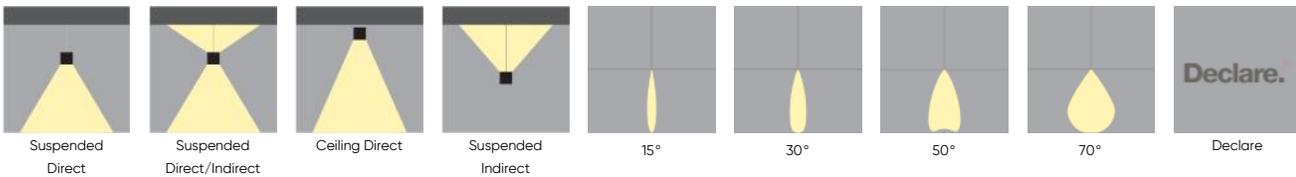


QUANTITIES

1 DESCRIPTION

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. The revolutionary design delivers industry-leading performance from a significantly reduced form factor. The snouts are effective in controlling light spill and reducing glare.

2 OPTICS & FEATURES



3 APPROVALS



4 GENERAL SPECIFICATION

BODY AND TRIM

Steel and aluminum.

FINISH

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

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 & lpw based on 4000K, CRI 80+.

REPORTED L70 @25°C (77°F)

> 60,000 hrs.

APPROVALS

Damp Rated.

DESIGNED

US Pat. No. D917,765.

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.

SUSTAINABILITY

Designed for on-site LED board, driver, and optic replacement. Contact the factory for maintenance documentation.

5 DESIGN OPTIONS

FINISH - FIXTURE



6 HOW TO ORDER

1. 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.

2. 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.

3. 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.

4. CRI

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

5. CCT

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

¹ 2700K is only available with CRI 80+

6. BEAM ANGLE (UPPER MODULE)

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

¹ Available with Double Down luminaire only.

7. BEAM ANGLE (LOWER MODULE)

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

8. VOLTAGE

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

¹ Not available in North America. ² Only available with DA01 dimming.

9. 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.

10. 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

11. 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 Snoot must be picked at time of order, if 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.

12. 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 Snoot must be picked at time of order, if 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.

7 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

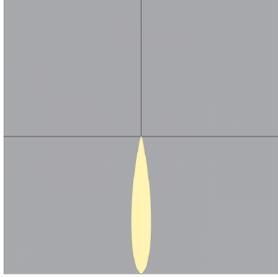
8 PERFORMANCE DATA

DIRECT, 15° BEAM ANGLE

WATTS

LUMENS

LPW



32
72
114
164

4600
9000
13600
18000

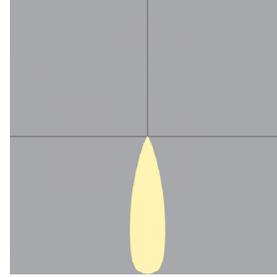
138
127
118
110

DIRECT, 30° BEAM ANGLE

WATTS

LUMENS

LPW



32
72
114
164

4600
8800
13000
17400

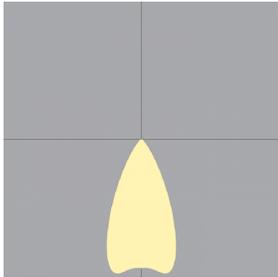
140
130
120
112

DIRECT, 50° BEAM ANGLE

WATTS

LUMENS

LPW



32
72
114
164

4400
8800
13000
17400

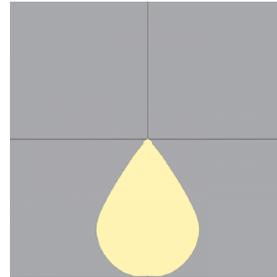
133
123
114
107

DIRECT, 70° BEAM ANGLE

WATTS

LUMENS

LPW



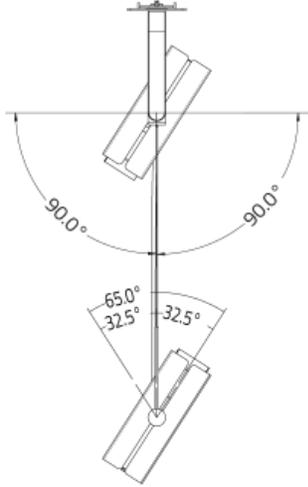
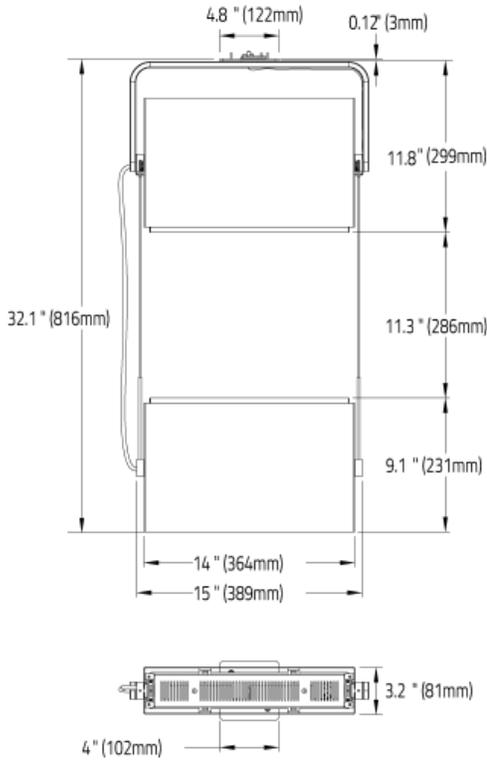
32
72
114
164

4400
8800
13200
17600

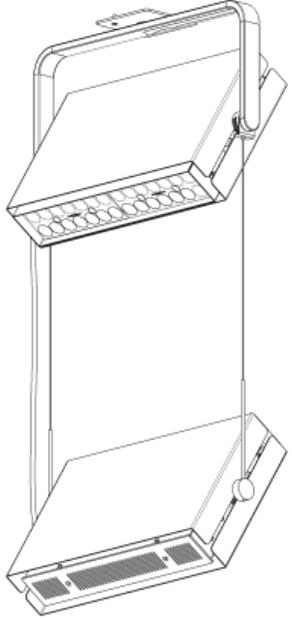
134
123
115
107

9 DIMENSIONAL DIAGRAMS

Direct Indirect



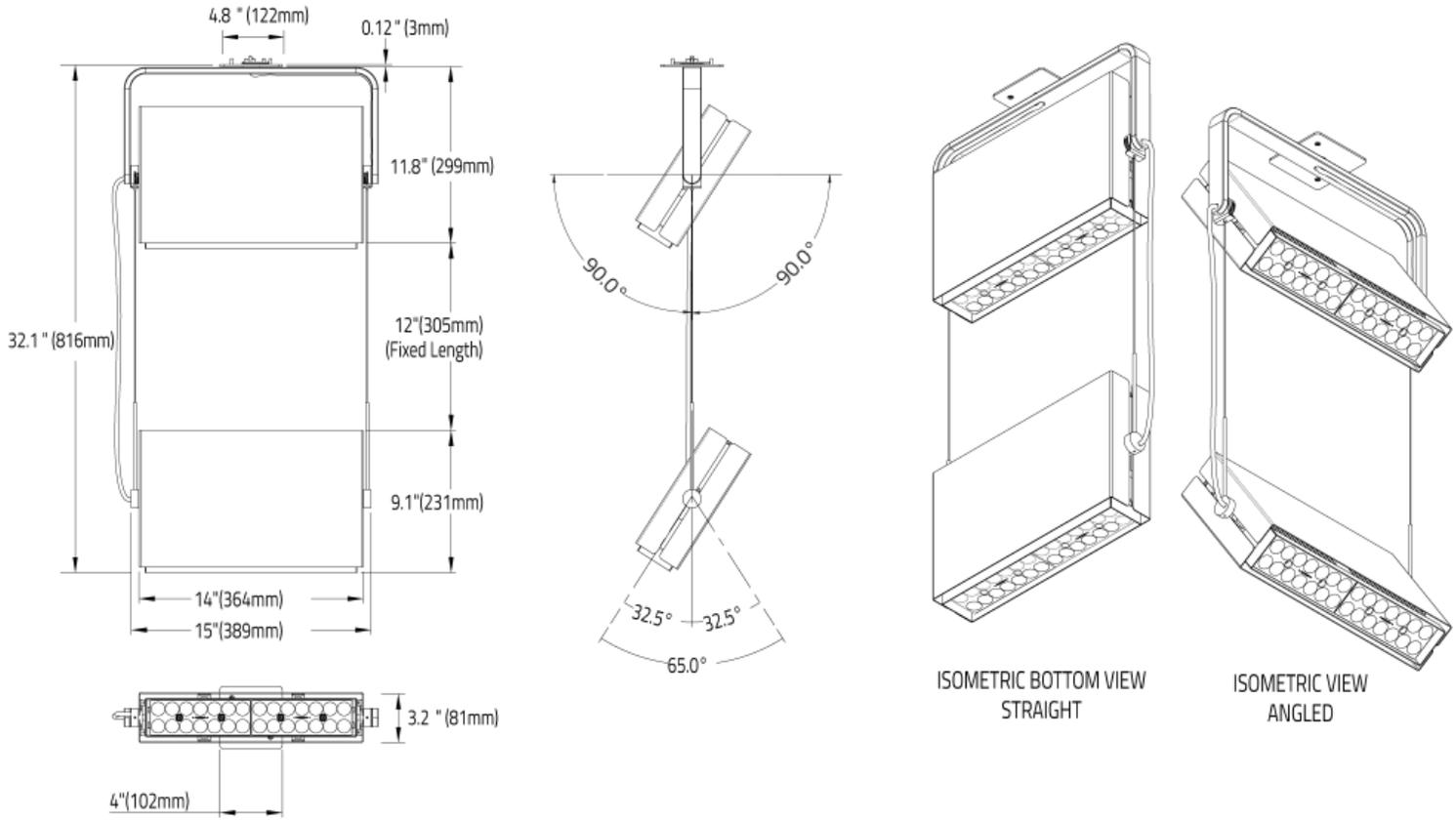
ISOMETRIC BOTTOM VIEW
 STRAIGHT



ISOMETRIC VIEW
 ANGLED

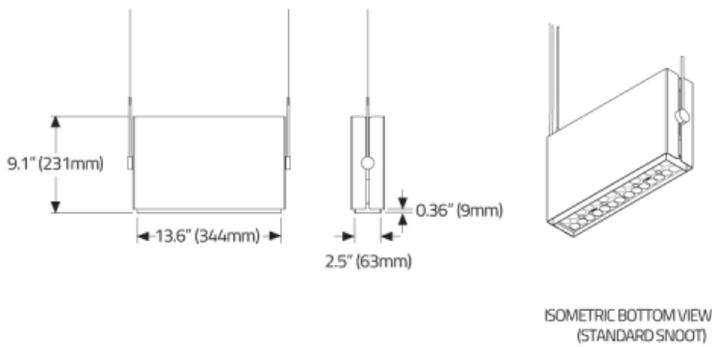
b MATREX DUAL TWIST™ - SURFACE
FULL SPECIFICATION SHEET

Double Down

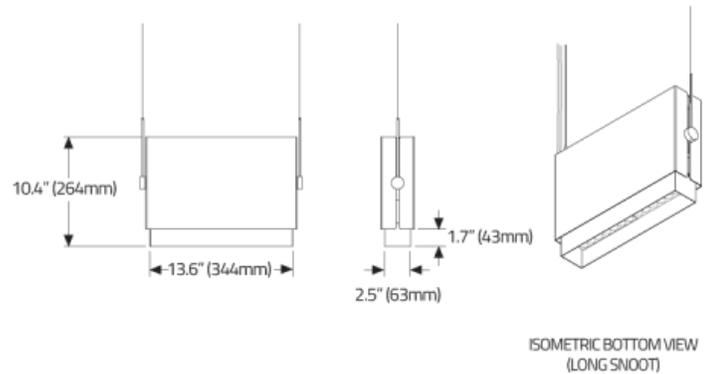


Snoots

STANDARD SNOOT

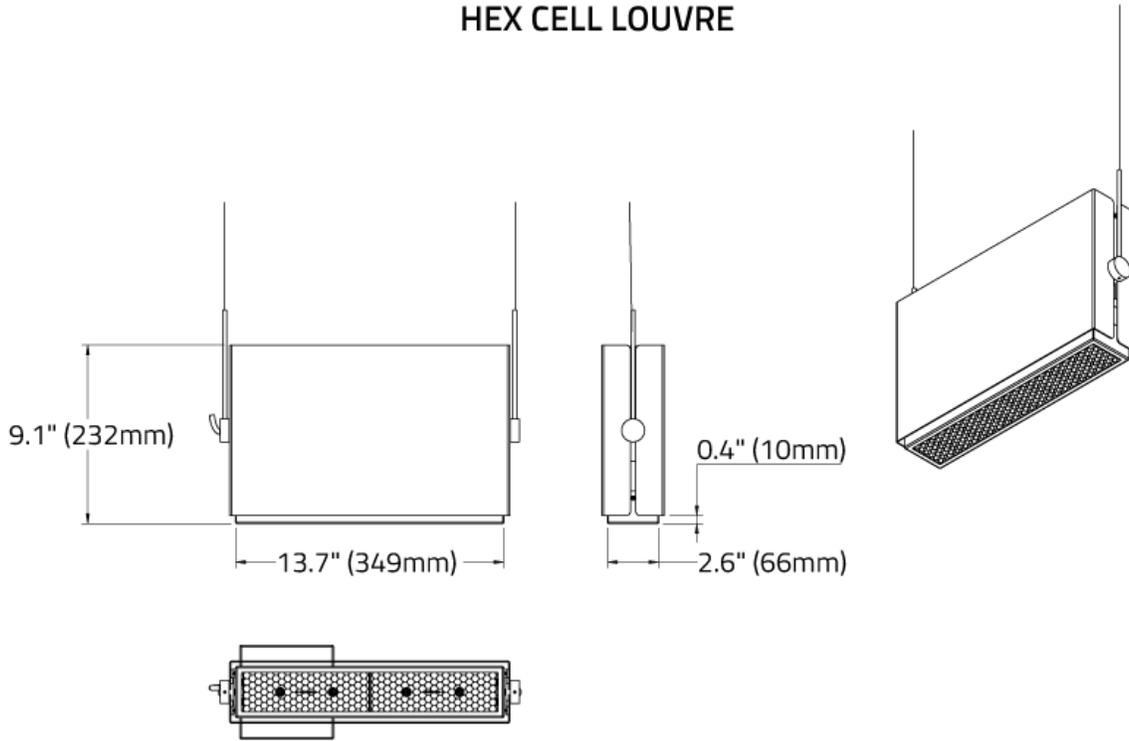


LONG SNOOT



LOUVRES

HEX CELL LOUVRE



LADDER LOUVRE

