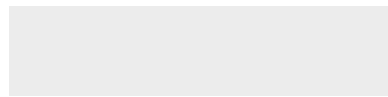


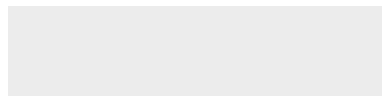


MATREX DUAL TWIST™

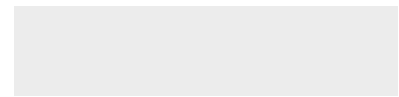
FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE

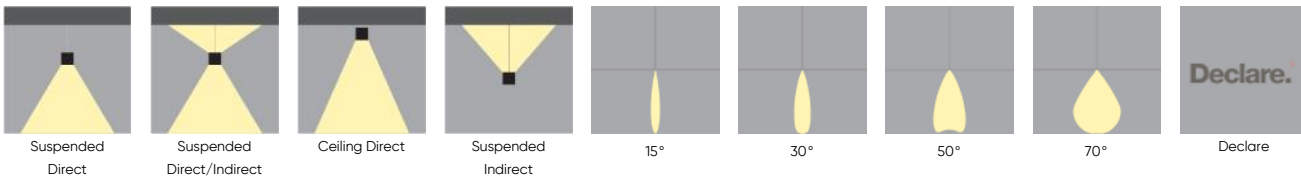


QUANTITIES

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 snoots 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

LUMINAIRE	LUMENS (UPPER MODULE)	LUMENS (LOWER MODULE)	CRI
MXDTIP01 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.	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.	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.	CR80 CRI 80+ CR90 CRI 90+

CCT CTA27 2700K ¹ CTA30 3000K CTA35 3500K CTA40 4000K ¹ 2700K is only available with CRI 80+	BEAM ANGLE (UPPER MODULE) BA15 15° BA30 30° BA50 50° BA70 70° BA80 50°x80° ¹ ¹ Available with Double Down luminaire only.	BEAM ANGLE (LOWER MODULE) BB15 15° BB30 30° BB50 50° BB70 70° BB80 50°x80° ¹
VOLTAGE V1 120/277V V2 240V ¹ V3 347V ² ¹ Not available in North America. ² Only available with DA01 dimming.	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.	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
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.	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

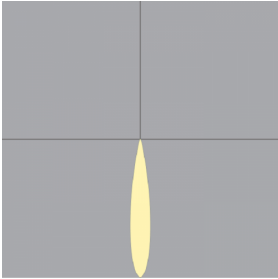
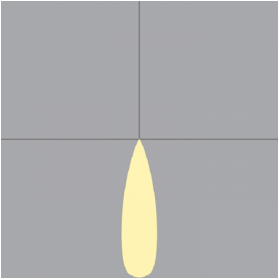
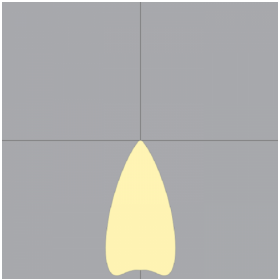
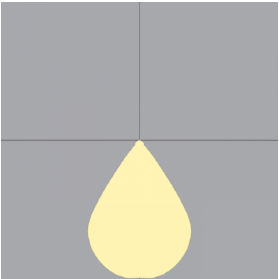
LUMINAIRE

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

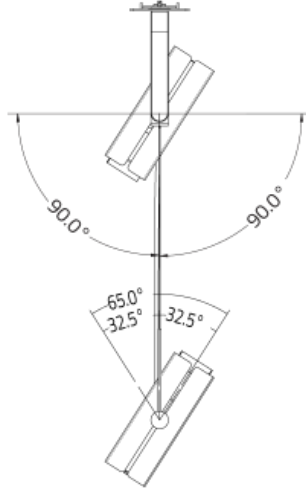
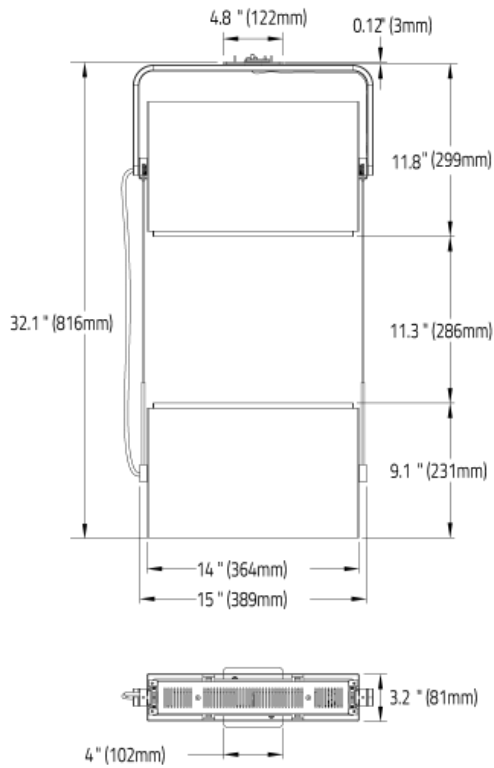
8

PERFORMANCE DATA

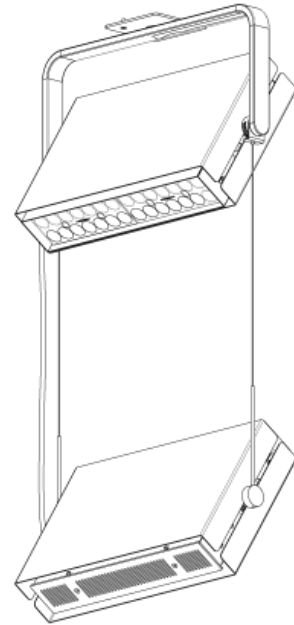
DIRECT, 15° BEAM ANGLE	WATTS	LUMENS	LPW	DIRECT, 30° BEAM ANGLE	WATTS	LUMENS	LPW
	32 72 114 164	4600 9000 13600 18000	138 127 118 110		32 72 114 164	4600 8800 13000 17400	140 130 120 112
DIRECT, 50° BEAM ANGLE	WATTS	LUMENS	LPW	DIRECT, 70° BEAM ANGLE	WATTS	LUMENS	LPW
	32 72 114 164	4400 8800 13000 17400	133 123 114 107		32 72 114 164	4400 8800 13200 17600	134 123 115 107

9 DIMENSIONAL DIAGRAMS

Direct Indirect



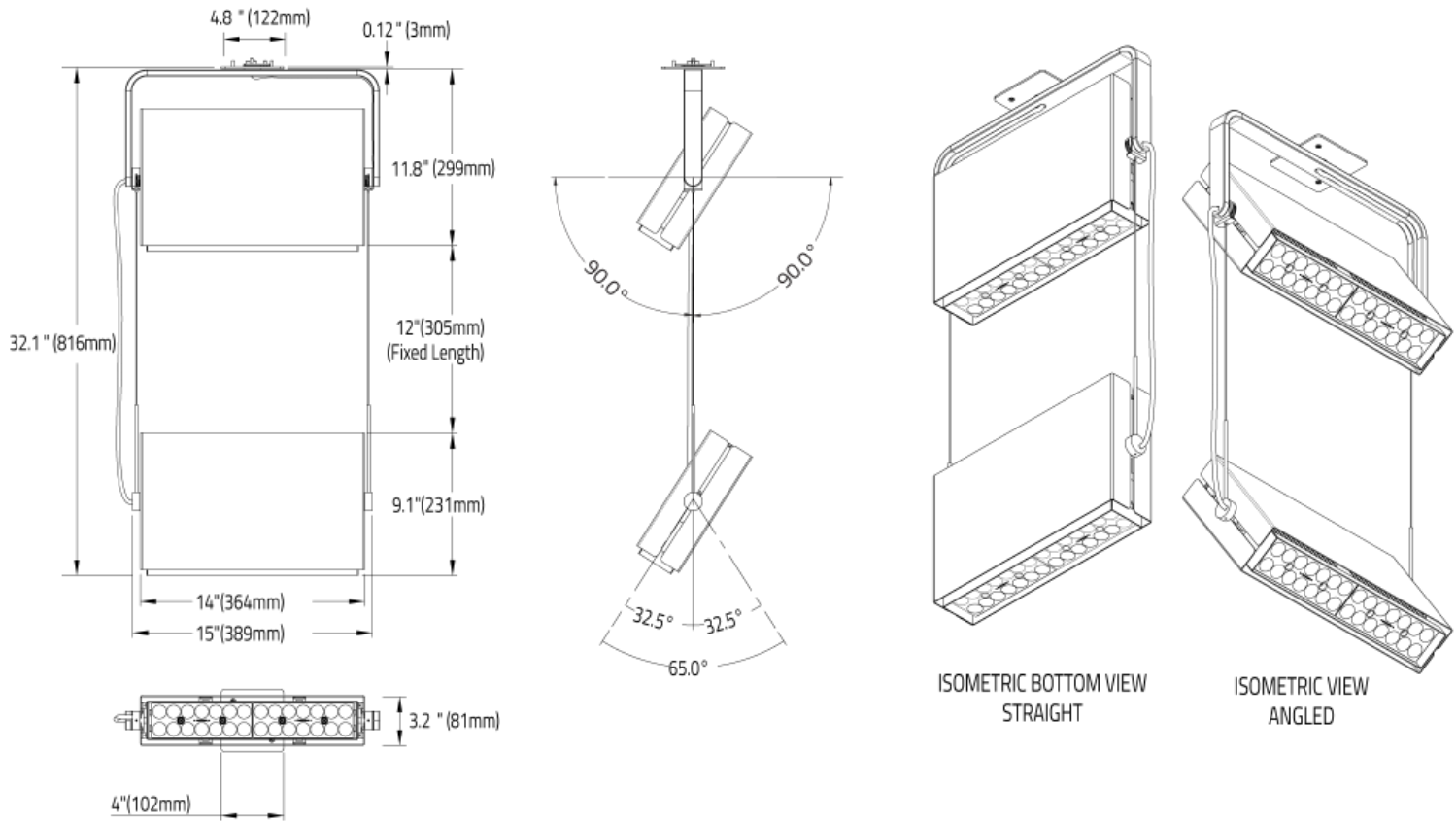
ISOMETRIC BOTTOM VIEW
STRAIGHT



ISOMETRIC VIEW
ANGLED

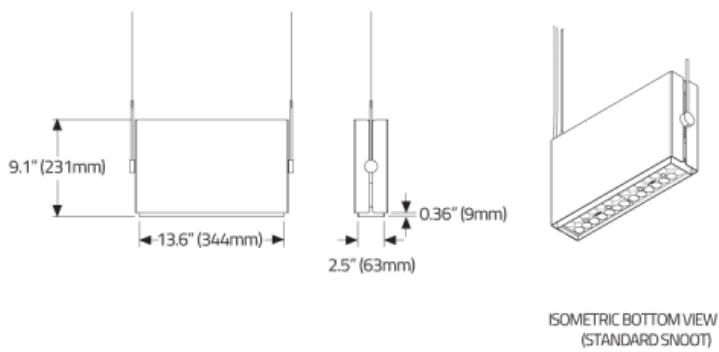
MATREX DUAL TWIST™ – SURFACE FULL SPECIFICATION SHEET

Double Down

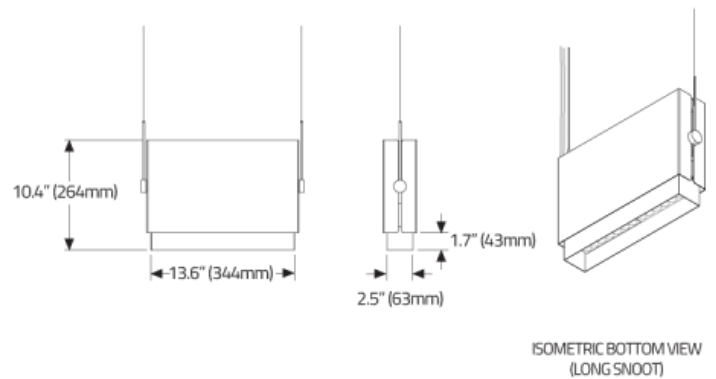


Snoots

STANDARD SNOOT

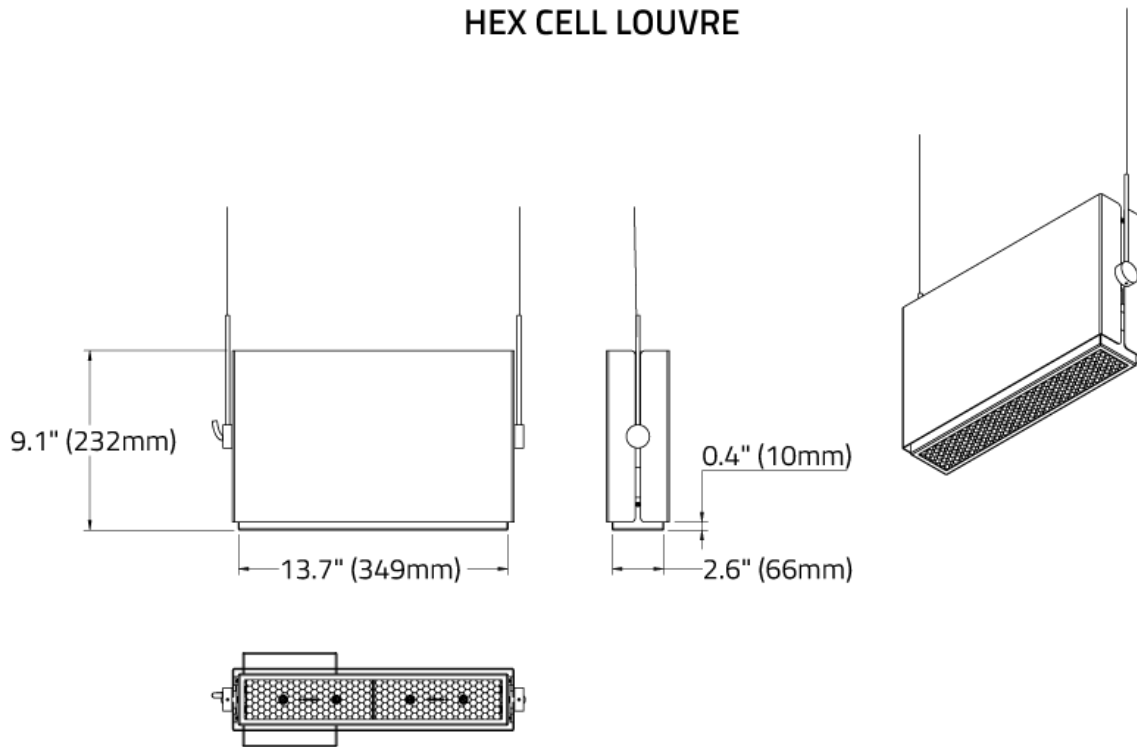


LONG SNOOT



LOUVRES

HEX CELL LOUVRE



LADDER LOUVRE

