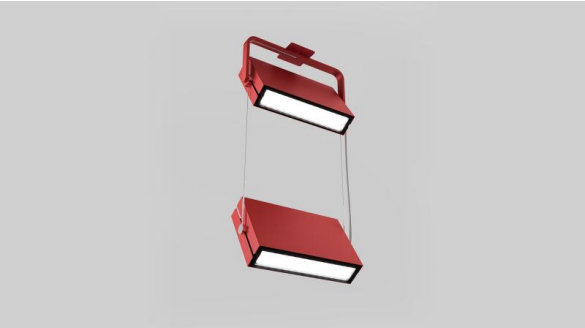
MATREX DUAL TWIST™

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

Suspended Direct | Suspended Direct/Indirect | Ceiling Direct | Suspended Indirect | 15° | 30° | 50° | 70° | Declare

3 APPROVALS

Intertek | CE | DAMP LOCATION | F | IP20

4 GENERAL SPECIFICATION

BODY AND TRIM

Steel and aluminum.

FINISH

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

SUSPENSION
Steel cables.

POWER CABLE
Silver braided.

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

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

DELIVERED LUMENS
Delivered lumens & lpw based on 4000K, CRI 80+.

SENSORS
Consult factory regarding sensor compatibility.

REPORTED L70 @25°C (77°F)
> 60,000 hrs.

ESTIMATED L70 @25°C (77°F)
> 171,000 hrs.

APPROVALS
Damp Rated.

DESIGNED BY
Serge Cornelissen.

DESIGNED
US Pat. No. D917,765.

5 DESIGN OPTIONS

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

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.

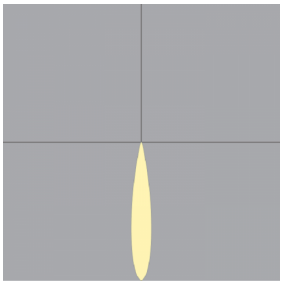
7 TECHNICAL DATA

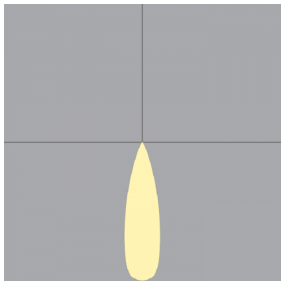
LUMINAIRE

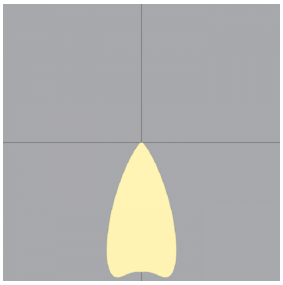
All data shown at max output and nominal values. For MXDT2P01 (Direct/Indirect) the upper module will be direct and lower module will be indirect.

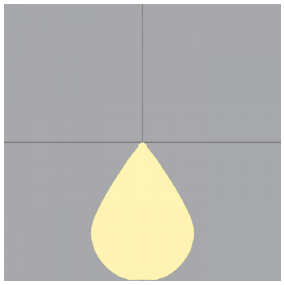
Code	**MXDT1P01**	**MXDT2P01**
Light Direction	Double Down	Direct/Indirect
Max Wattage	164	164
Max Delivered lms	18400	18400
Max LPW	130	130

8 PERFORMANCE DATA

DIRECT, 15° BEAM ANGLE	WATTS	LUMENS	LPW
	32	4600	138
	72	9000	127
	114	13600	118
	164	18000	110

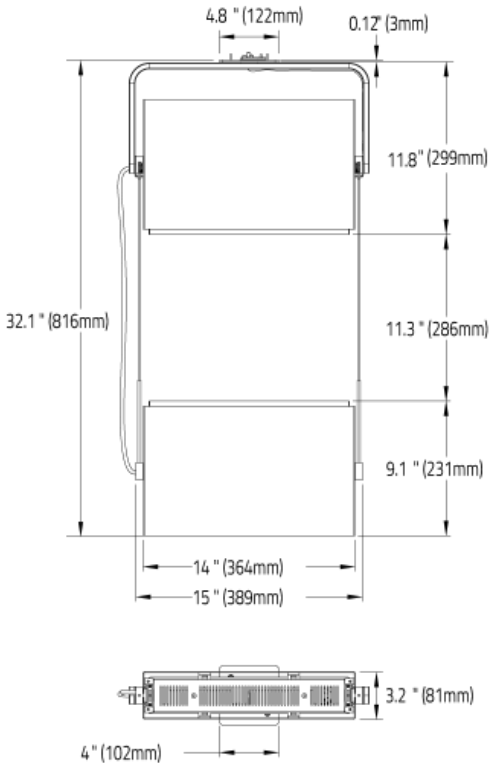
DIRECT, 30° BEAM ANGLE	WATTS	LUMENS	LPW
	32	4600	140
	72	8800	130
	114	13000	120
	164	17400	112

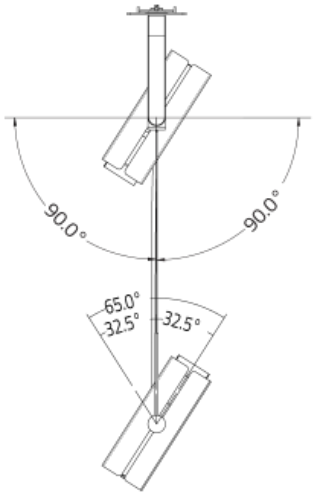
DIRECT, 50° BEAM ANGLE	WATTS	LUMENS	LPW
	32	4400	133
	72	8800	123
	114	13000	114
	164	17400	107

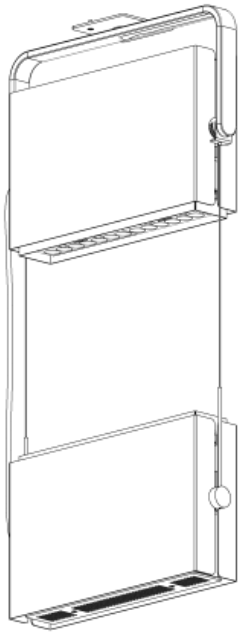
DIRECT, 70° BEAM ANGLE	WATTS	LUMENS	LPW
	32	4400	134
	72	8800	123
	114	13200	115
	164	17600	107

9 DIMENSIONAL DIAGRAMS

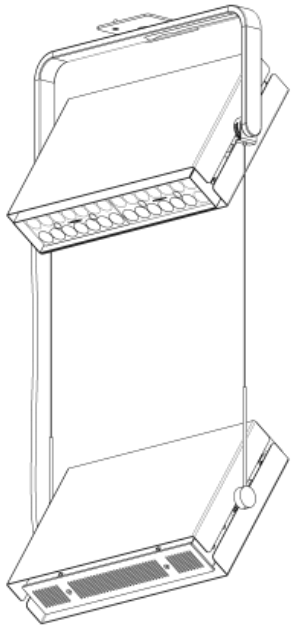
Direct Indirect





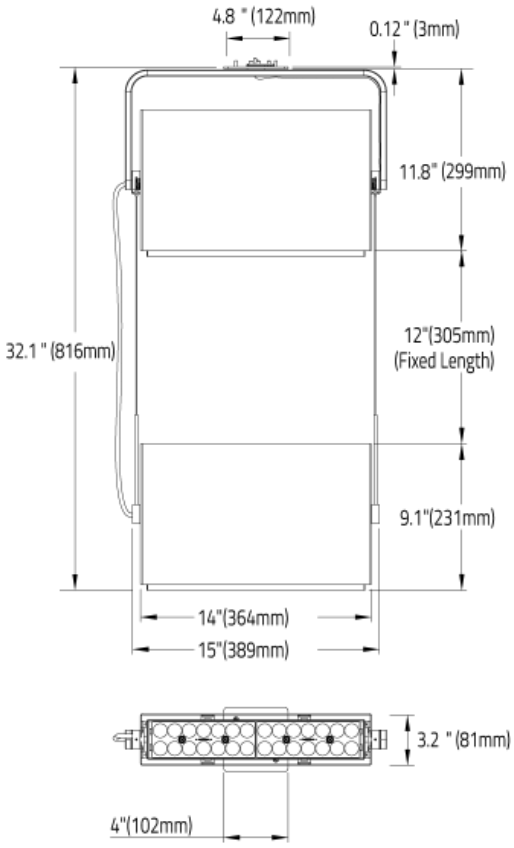


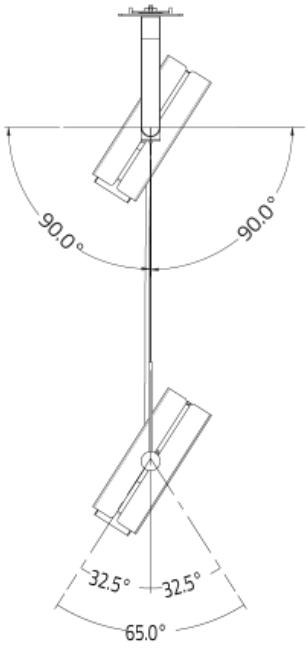
ISOMETRIC BOTTOM VIEW
STRAIGHT

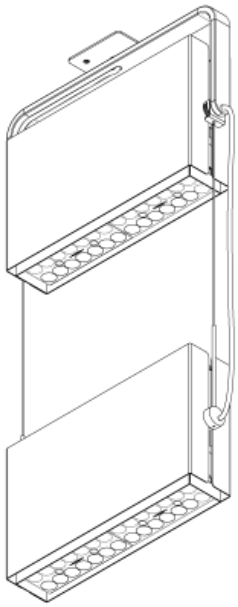


ISOMETRIC VIEW
ANGLED

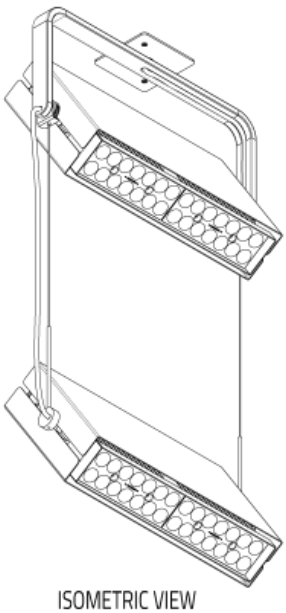
Double Down







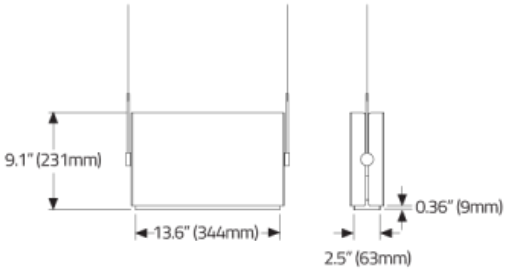
ISOMETRIC BOTTOM VIEW
STRAIGHT

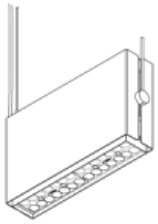


ISOMETRIC VIEW
ANGLED

Snoots

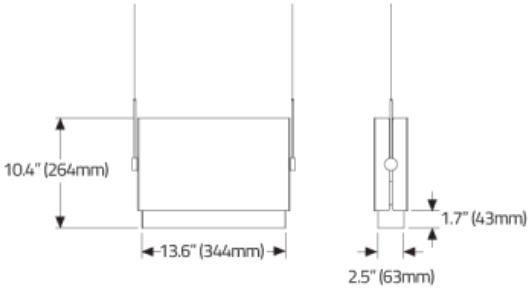
STANDARD SNOOT

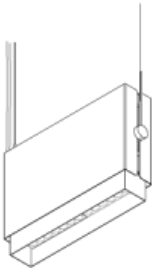




ISOMETRIC BOTTOM VIEW
(STANDARD SNOOT)

LONG SNOOT

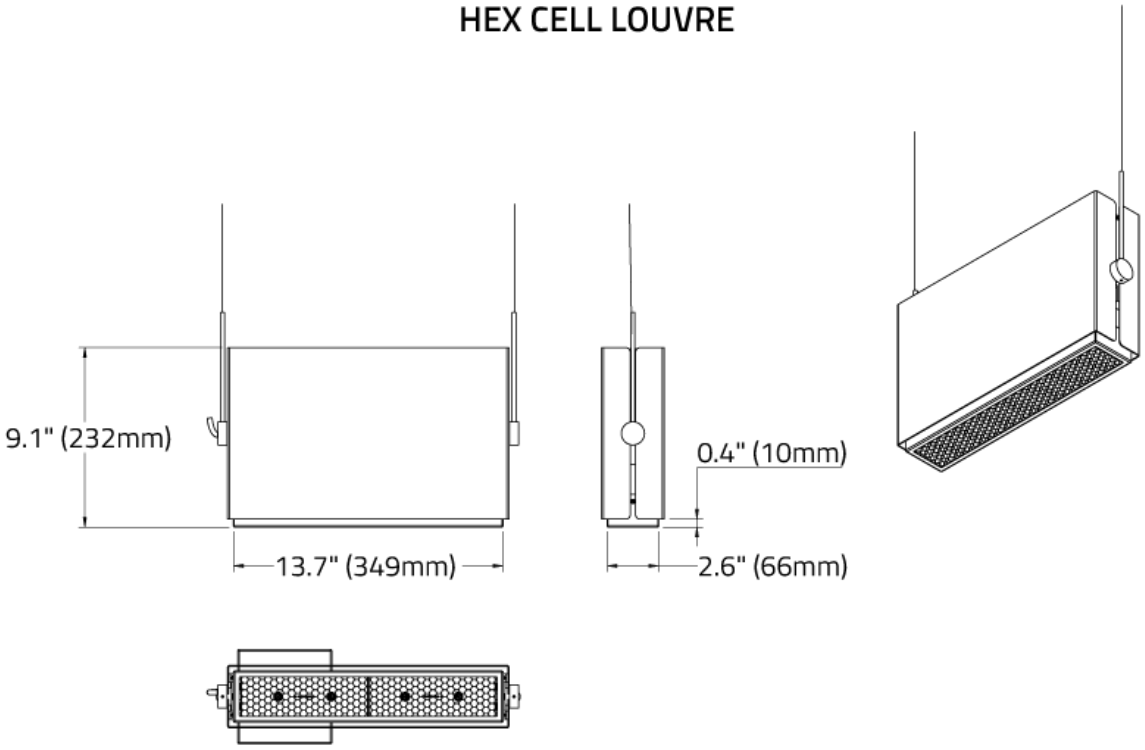




ISOMETRIC BOTTOM VIEW
(LONG SNOOT)

LOUVRES

HEX CELL LOUVRE



LADDER LOUVRE