

MATREX RD DUAL TWIST™ - SURFACE

Project Name:	Fixture Type:
Fixture Code:	Quantities:



MATREX RD 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 & lpw 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.

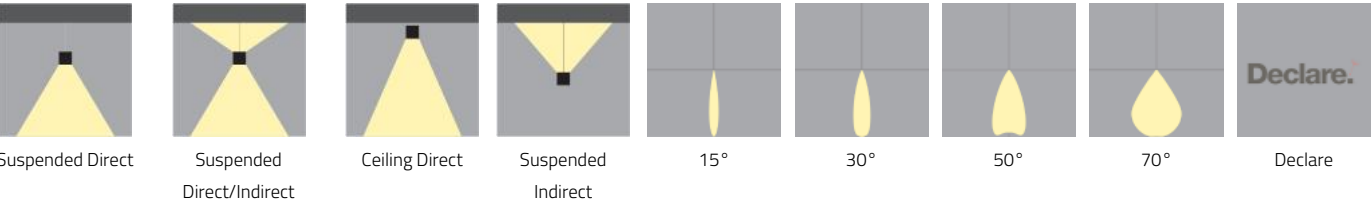
Estimated L70 @25°C (77°F)

> 171,000 hrs.

Designed by

Serge Cornelissen.

OPTICS & FEATURES



MATREX RD DUAL TWIST™ - SURFACE

HOW TO ORDER

A. LUMINAIRE

MRDT1P01 Double Down, LEDs / Multi-Array Optics, 20100 lms	MRDT2P01 Direct/Indirect, LEDs / Multi-Array Optics, 20100 lms	MRDT1P02 Double Down, COB / Reflector, 10050 lms	MRDT2P02 Direct/Indirect, COB / Reflector, 10050 lms
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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
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For MRDT2P01 and MRDT2P02 (Direct/Indirect) the upper module will be direct and the lower module will be indirect.
¹ Not available with COB / Reflector.
* Max lumen values shown, refer to IES files for the different snoot and beam options.

C. LUMENS (LOWER MODULE)

LMB0250 2500	LMB0500 5025	LMB0750 7500 ¹	LMB1000 10050 ¹
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For MRDT2P01 and MRDT2P02 (Direct/Indirect) the upper module will be direct and the lower module will be indirect.
¹ Not available with COB / Reflector.
* Max lumen values shown, refer to IES files for the different snoot and beam options.

D. CRI

CR80 CRI 80+	CR90 CRI 90+ ¹
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¹ Not available with COB / Reflector.

E. CCT

CTA27 2700K ¹	CTA30 3000K	CTA35 3500K	CTA40 4000K
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¹ 2700K is only available with CRI 80+

F. BEAM ANGLE (UPPER MODULE)

BA15 15° ¹	BA30 30° ¹	BA50 50°	BA70 70° ¹
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¹ 15°, 30°, and 70° are not available with COB / Reflector.

G. BEAM ANGLE (LOWER MODULE)

BB15 15° ¹	BB30 30° ¹	BB50 50°	BB70 70° ¹
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¹ 15°, 30°, and 70° are not available with COB / Reflector.

H. VOLTAGE

V1 120/277V	V2 240V ¹	V3 347V ²
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¹ Not available in North America
² Only available with DA01 dimming

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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.

J. FIXTURE FINISH

FA01 White	FA02 Black Metallic - Textured	FA20 Silver Metallic - Textured	FA44 Midnight Blue Metallic - Textured
FA46 Charcoal Metallic - Textured	FA47 Bronze 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 ^{1 2}	NT4 Long Snoot - White ^{1 2}
NT9 Hex Louver - Black ^{2 3}			

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.
² Not available with COB / Reflector.
³ Not available with BA70 beam angle. Available with Double Down version only.

L. SNOOTS AND LOUVER (LOWER MODULE)

NU1 Standard Snoot - Black ¹	NU2 Standard Snoot - White ¹	NU3 Long Snoot - Black ^{1 2}	NU4 Long Snoot - White ^{1 2}
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 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.

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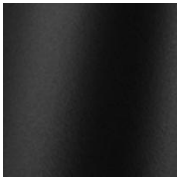
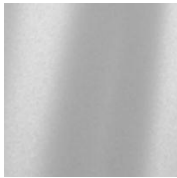

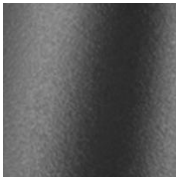


TECHNICAL DATA

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 lms	20100	20100	10050	10050
Max LPW	124	124	111	111

FINISH - FIXTURE

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

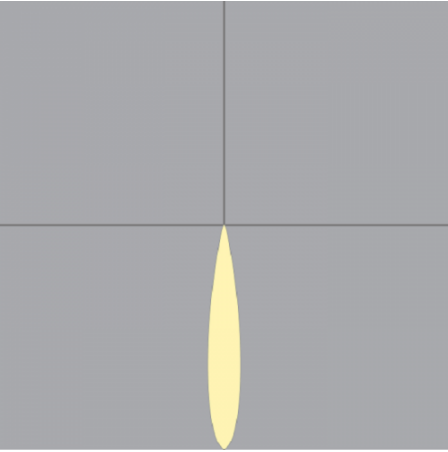
APPROVALS



MATREX RD DUAL TWIST™ - SURFACE

PERFORMANCE DATA

DIRECT 15° BEAM ANGLE

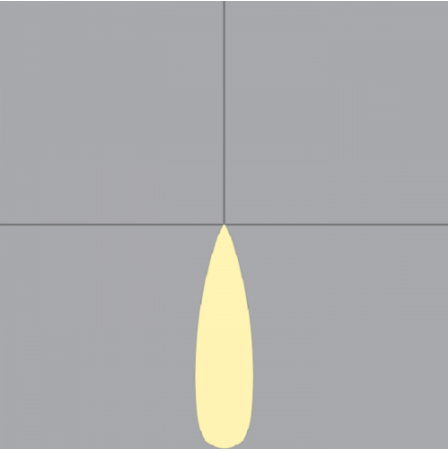


WATTS
38
82
130
186

LUMENS
5000
9800
14800
20000

LPW
132
121
114
106

DIRECT 30° BEAM ANGLE

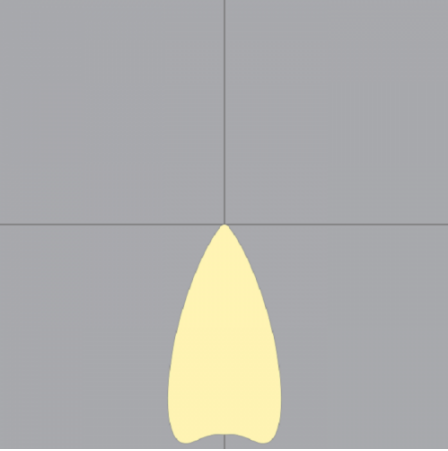


WATTS
38
82
130
186

LUMENS
5000
10050
15000
20100

LPW
135
124
116
108

DIRECT 50° BEAM ANGLE



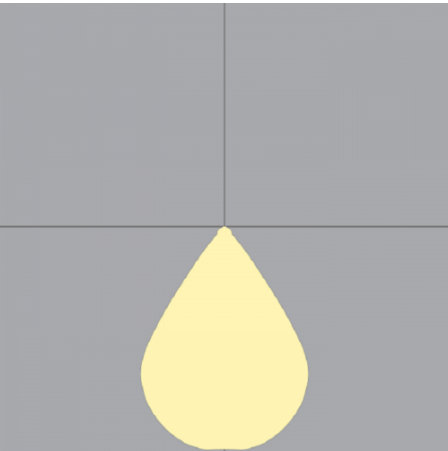
WATTS
38
82
130
186

LUMENS
4800
9600
14200
19000

LPW
128
117
110
102

MATREX RD DUAL TWIST™ - SURFACE

DIRECT 70° BEAM ANGLE



WATTS
38
82
130
186

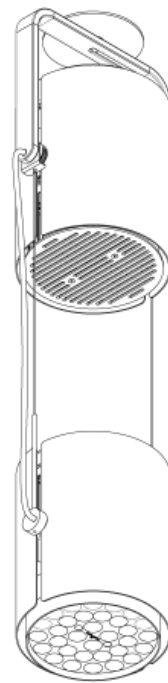
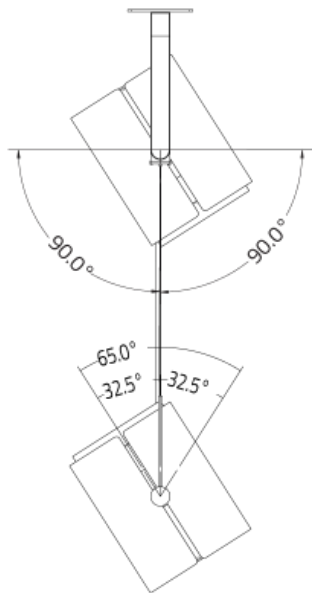
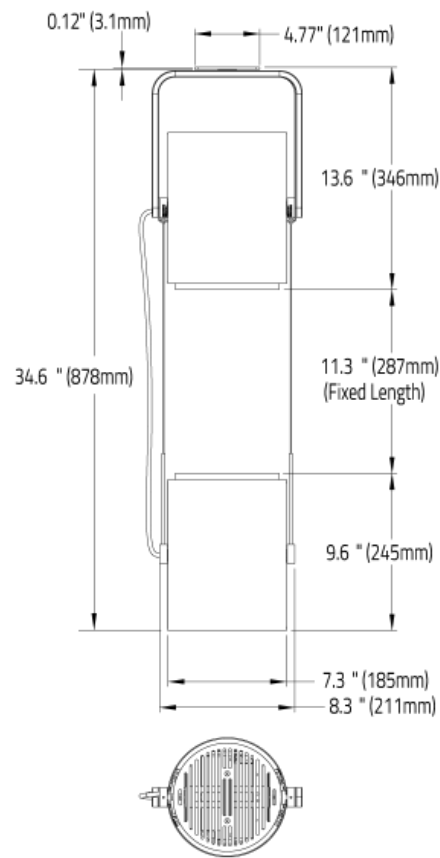
LUMENS
4800
9600
14400
19200

LPW
129
118
111
103

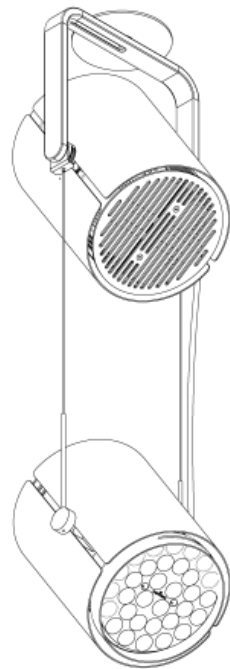
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DIMENSIONAL DIAGRAMS

Direct/Indirect



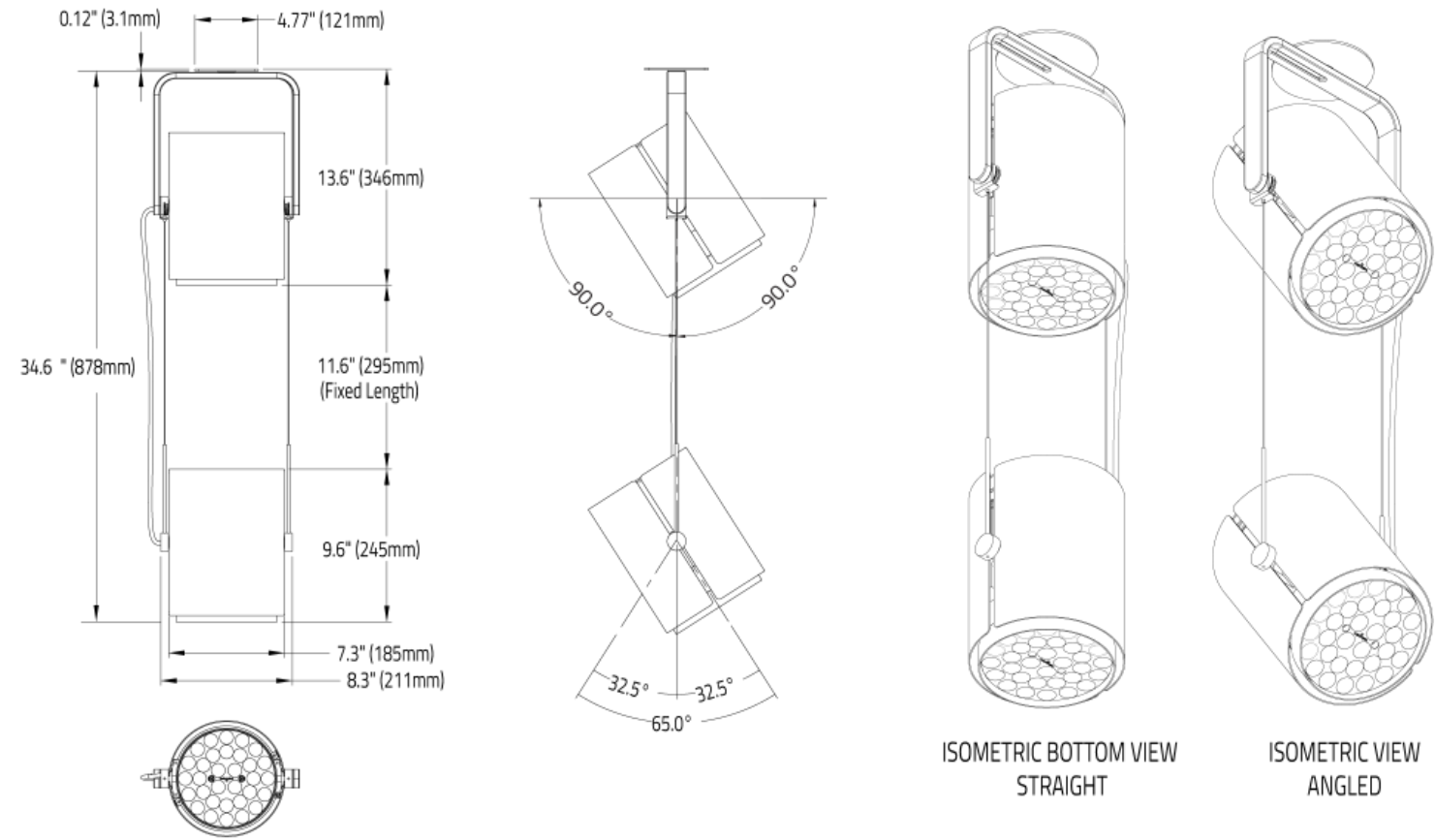
ISOMETRIC BOTTOM VIEW
STRAIGHT



ISOMETRIC VIEW
ANGLED

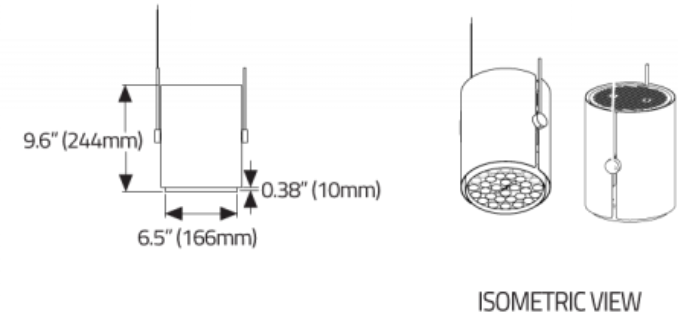
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Double Down

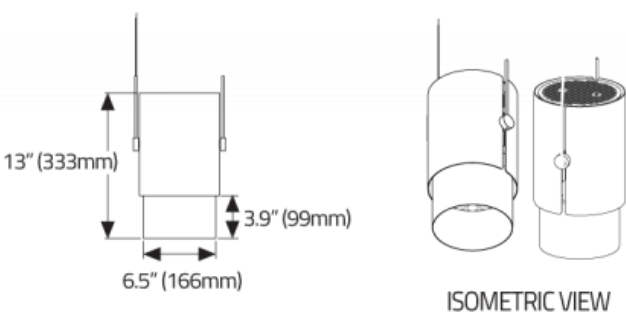


Snoots

STANDARD SNOOT



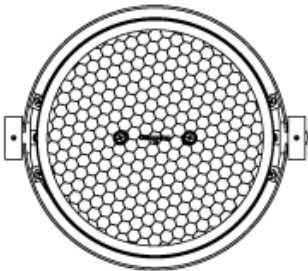
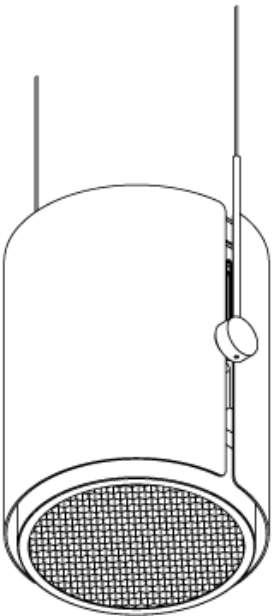
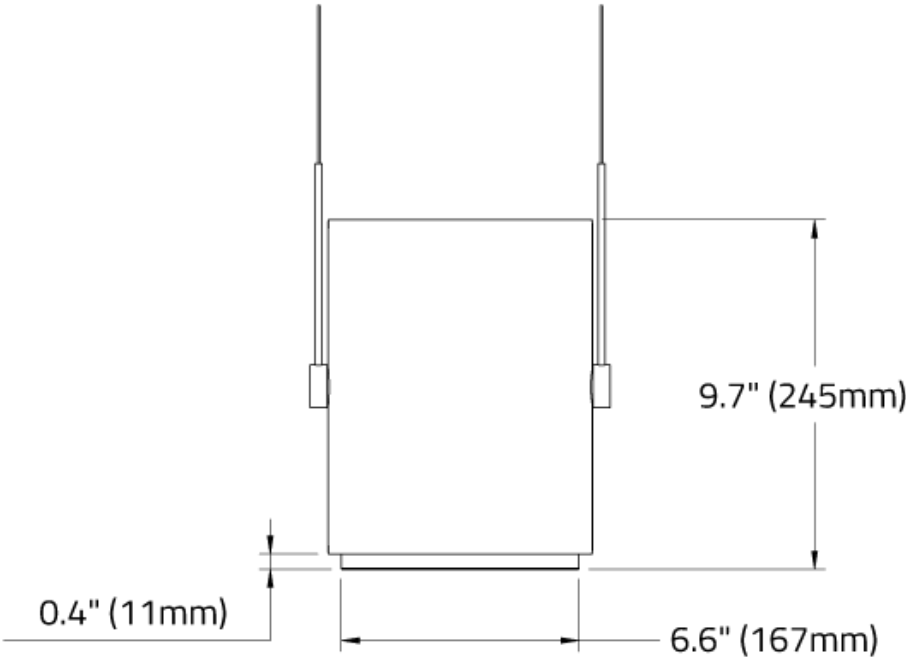
LONG SNOOT



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LOUVRE

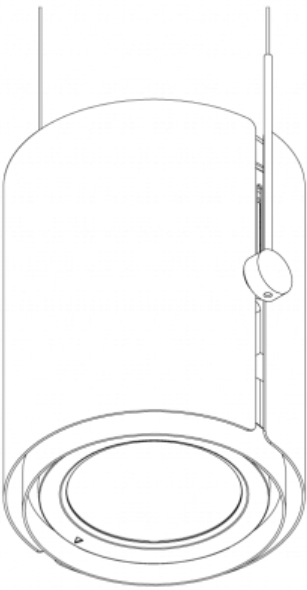
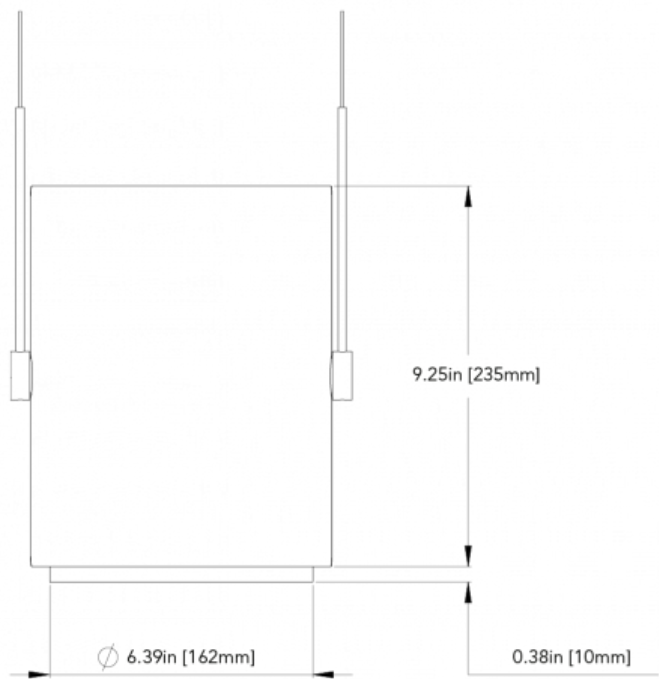
HEX CELL LOUVRE



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Matrex Round PD - COB

Matrex RD PD - COB



Isometric View

