

MATREX RD DUAL TWIST™ - SURFACE

Project Name:

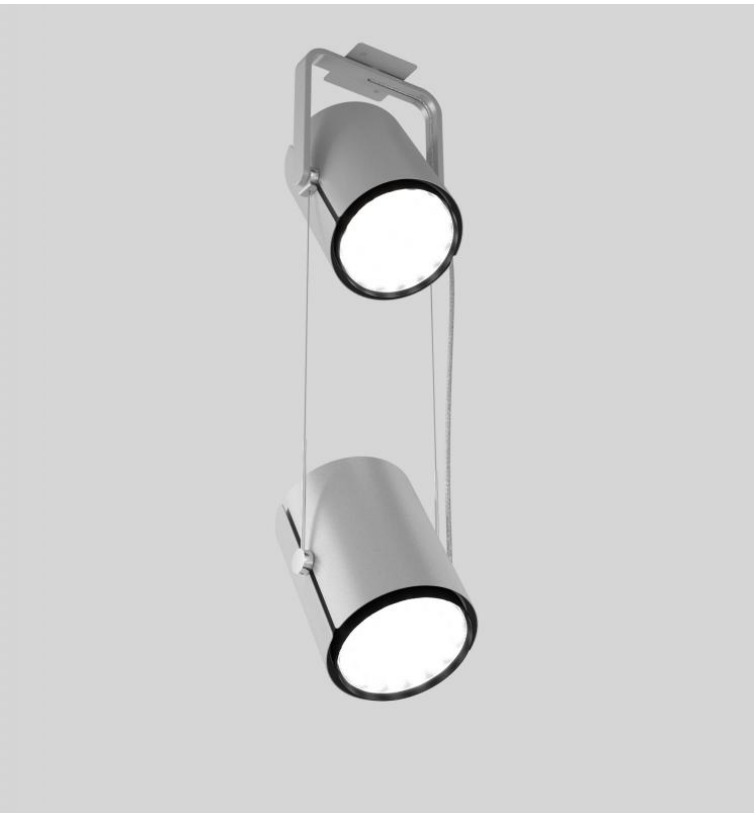
Fixture Type:

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.

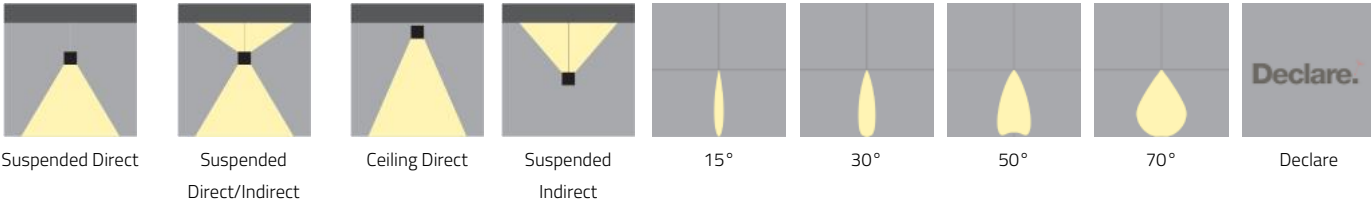
Estimated L70 @25°C (77°F)

> 171,000 hrs.

Designed by

Serge Cornelissen.

MOUNTING & OPTICS



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

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 7500¹

LMA1000 10050¹

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 7500¹

LMB1000 10050¹

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

¹ Not available with COB / Reflector.

E. CCT

CTA27 2700K¹

CTA30 3000K

CTA35 3500K

CTA40 4000K

¹ 2700K is only available with CRI 80+

F. BEAM ANGLE (UPPER MODULE)

BA15 15°¹

BA30 30°¹

BA50 50°

BA70 70°¹

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

¹ 15°, 30°, and 70° are not available with COB / Reflector.

H. VOLTAGE

V1 120/277V

V2 240V¹

V3 347V²

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 - Black¹

NT2 Standard Snoot - White¹

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 - Black¹

NU2 Standard Snoot - White¹

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

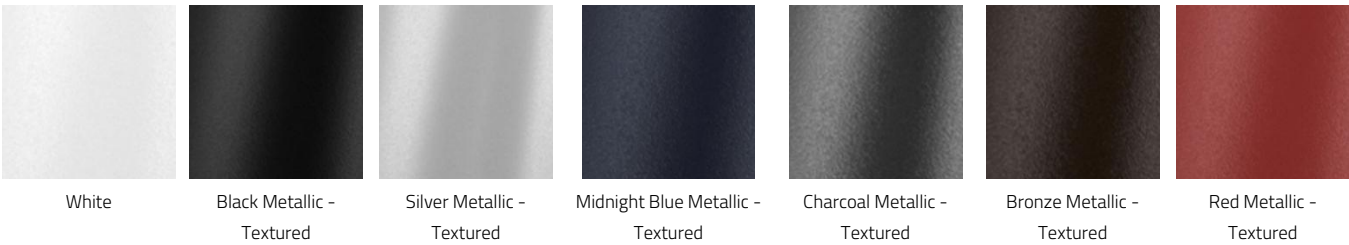
LUMINAIRE

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



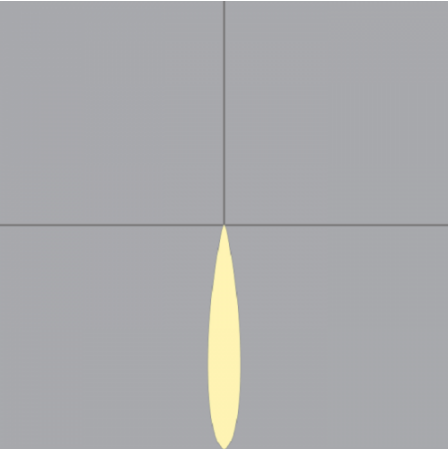
APPROVALS



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PERFORMANCE DATA

DIRECT 15° BEAM ANGLE

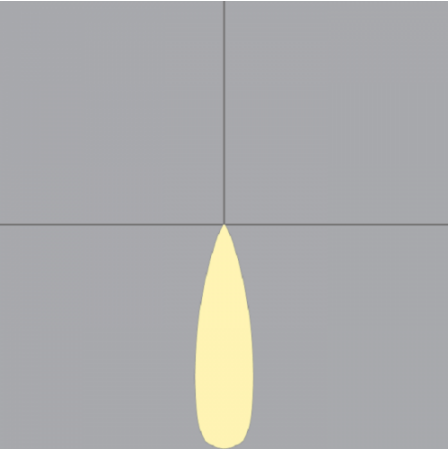


WATTS
38
82
130
186

LUMENS
5000
9800
14800
20000

LPW
132
121
114
106

DIRECT 30° BEAM ANGLE

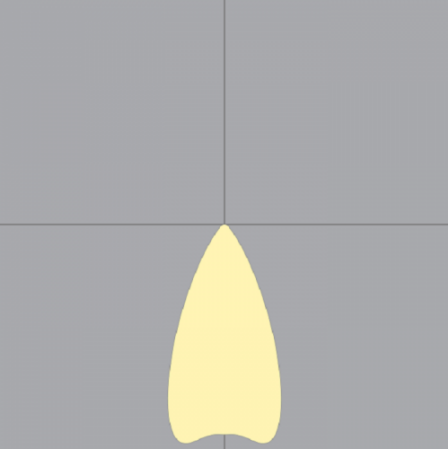


WATTS
38
82
130
186

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

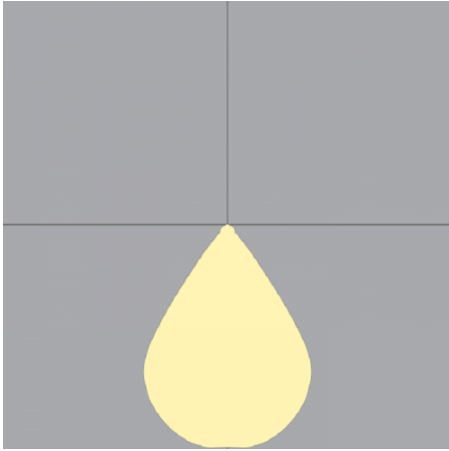
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DIRECT 70° BEAM ANGLE

WATTS

LUMENS

LPW



38
82
130
186

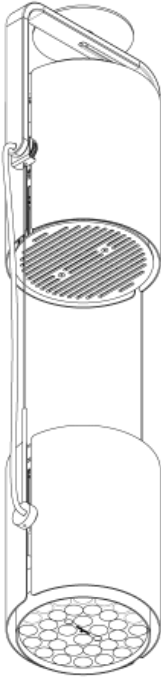
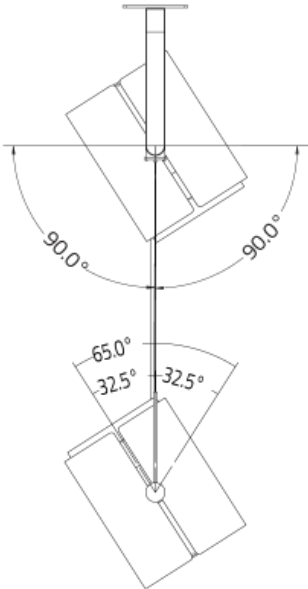
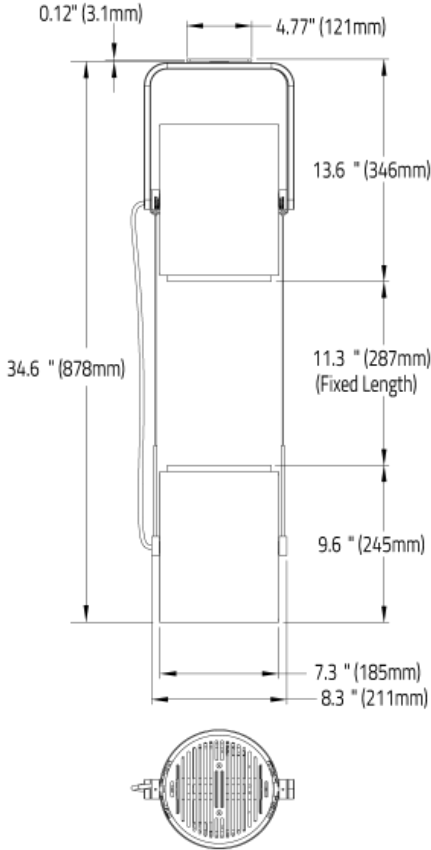
4800
9600
14400
19200

129
118
111
103

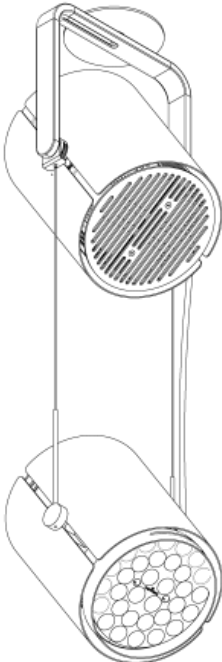
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DIMENSIONAL DIAGRAMS

Direct/Indirect



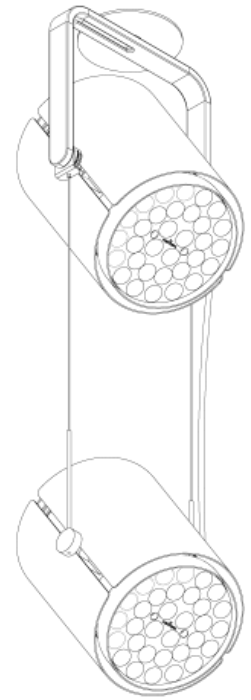
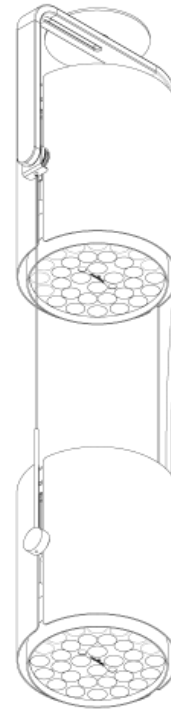
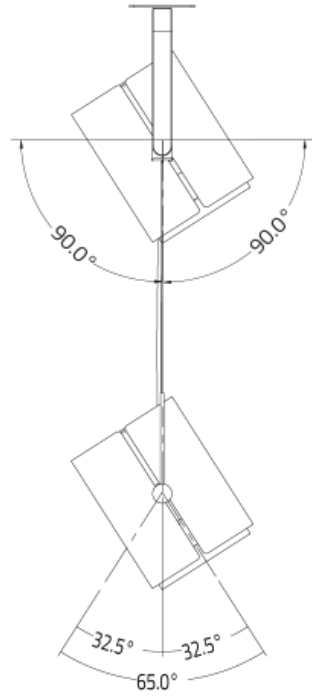
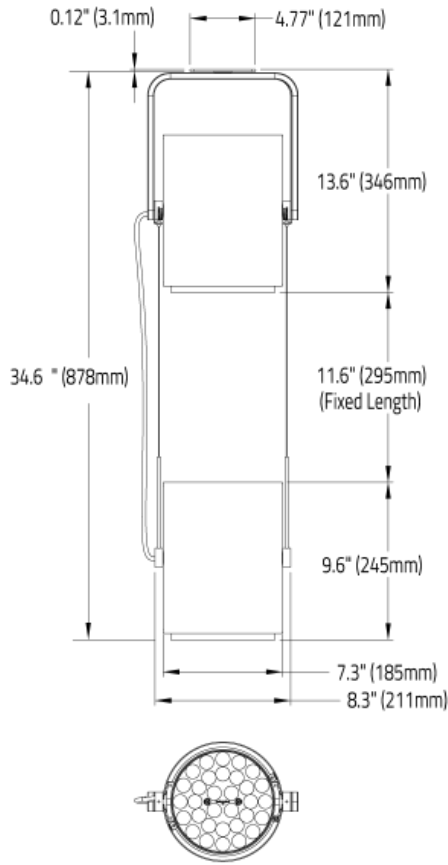
ISOMETRIC BOTTOM VIEW STRAIGHT



ISOMETRIC VIEW ANGLED

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Double Down

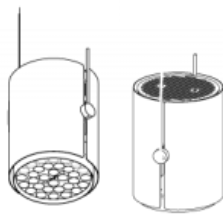
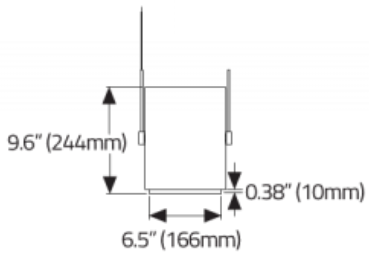


ISOMETRIC BOTTOM VIEW STRAIGHT

ISOMETRIC VIEW ANGLED

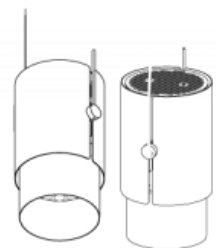
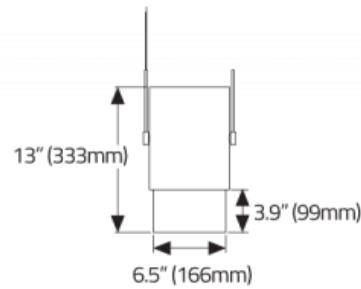
Snoots

STANDARD SNOOT



ISOMETRIC VIEW

LONG SNOOT

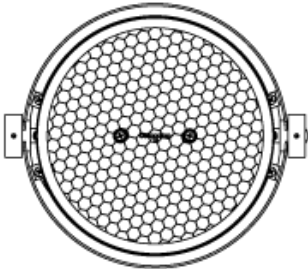
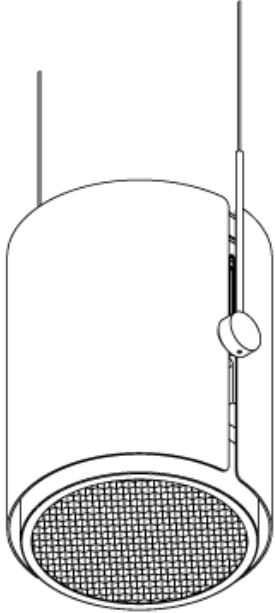
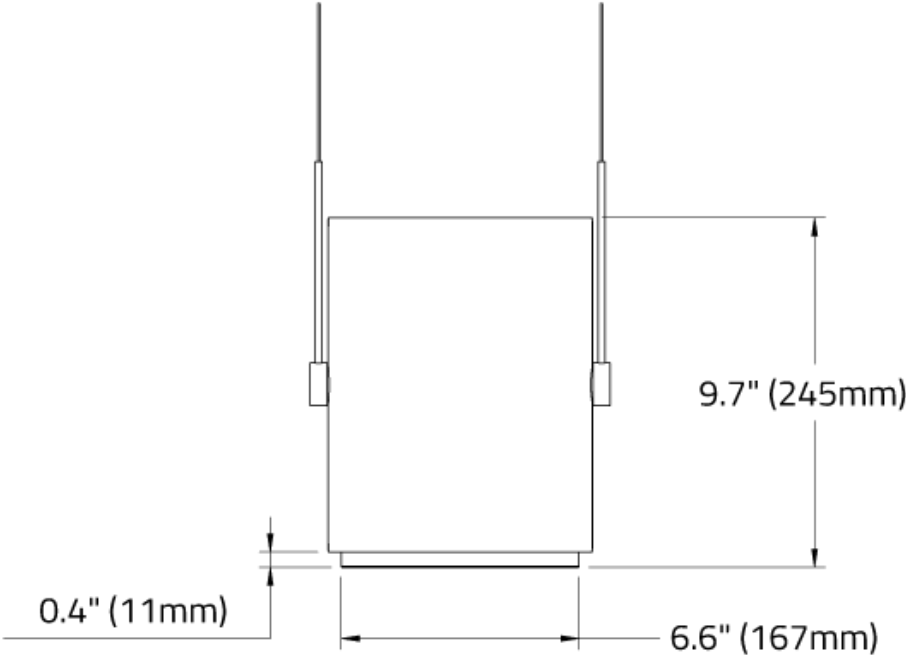


ISOMETRIC VIEW

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LOUVRE

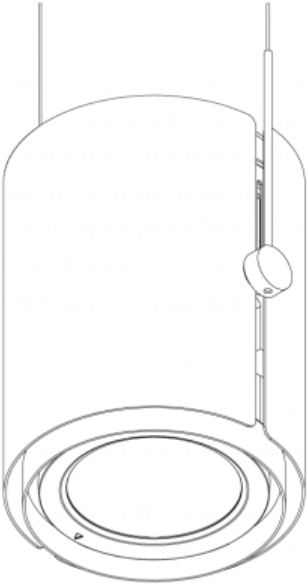
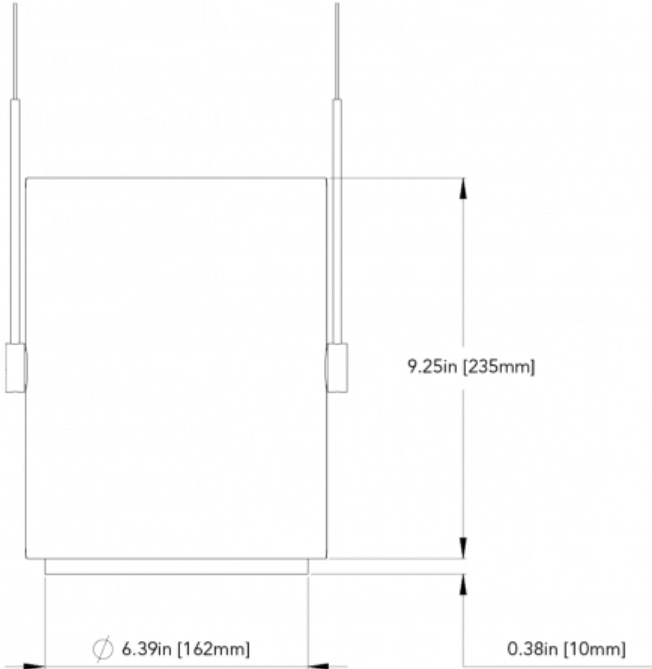
HEX CELL LOUVRE



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Matrex Round PD - COB

Matrex RD PD - COB



Isometric View

