



MATREX RD SINGLE™

FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE

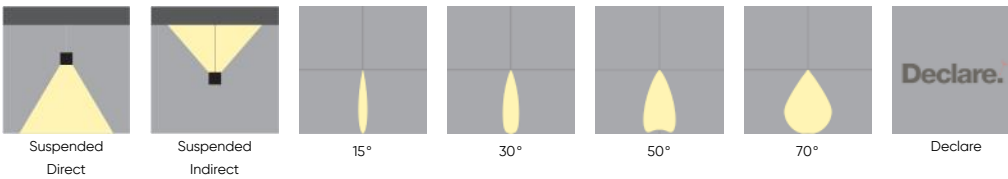


QUANTITIES

1 DESCRIPTION

MATREX is a family of spotlights 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. Suspension points originate from the sides allowing for unobstructed uplight. 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.

INTEGRAL EMERGENCY SYSTEM

Emergency option provides a 1.5 hour (3 hours for EU) emergency lighting facility. The self contained system includes the inverter module, NiCad batteries, LED charge indicator and test switch (NA only). Integral emergency EU luminaires have a 17" (434mm) x 8.3" (210mm) x 2.3" (58mm) canopy with LED charge indicator. Not available with a 347V supply. Drivers are in the canopy.

MECHANICAL

Luminaires mount to a junction box (by others - North America only).

DELIVERED LUMENS

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

REPORTED L70 @25°C (77°F)

> 60,000 hrs.

DESIGNED BY

Serge Cornelissen.

POWER CABLE

Silver braided.

DRIVERS

HPF, electronic, 120-277V, 347V (EU-240V). The driver is integral to the fixture housing, except when ordering emergency and then the driver is integral in the canopy.

SENSORS

Consult factory regarding sensor compatibility.

APPROVALS

Damp Rated.

ESTIMATED L70 @25°C (77°F)

> 171,000 hrs.

SUSTAINABILITY

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

5 DESIGN OPTIONS

FINISH - FIXTURE



FINISH - CANOPY



6 HOW TO ORDER

1. LUMINAIRE

MTRP1P01 Direct, LEDs / Multi-Array Optics, 10050 lms	MTRP2P01 Indirect, LEDs / Multi-Array Optics, 10050 lms	MTRP1P02 Direct, COB / Reflector, 5025 lms	MTRP2P02 Indirect, COB / Reflector, 5025 lms
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All data shown at max output and nominal values.

2. LUMENS

LMA0250 2500	LMA0500 5025	LMA0750 7500 ¹	LMA1000 10050 ¹
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¹ Not available with COB / Reflector.

* Max lumen values shown, refer to IES files for the different snoot and beam options.

3. CRI

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

4. CCT/CRI

CTA27 2700K ¹	CTA30 3000K	CTA35 3500K	CTA40 4000K
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¹ 2700K is only available with CRI 80+ and LEDs / Multi-Array Optics.

5. BEAM ANGLE

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.

12. EMERGENCY

E0 Emergency system not required **E1** Emergency system – Integral ¹
₂

¹ Not available with 347V. Two power cables will be supplied. ² CN4 canopy only used when ordering emergency or DMX.

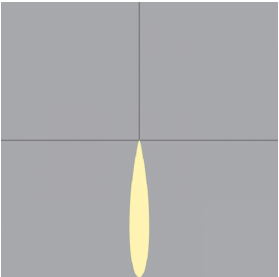
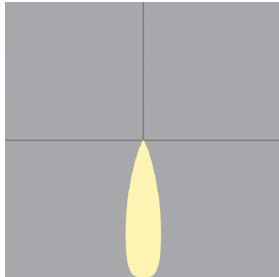
7 TECHNICAL DATA

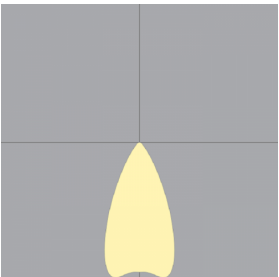
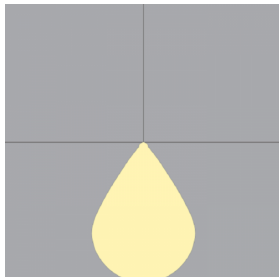
LUMINAIRE

All data shown at max output and nominal values.

Code	MTRP1P01	MTRP2P01	MTRP1P02	MTRP2P02
Light Direction	Direct	Indirect	Direct	Indirect
Max Wattage	93W	93W	44W	44W
Max Delivered lms	10050	10050	5025	5025
Max LPW	124	124	111	111

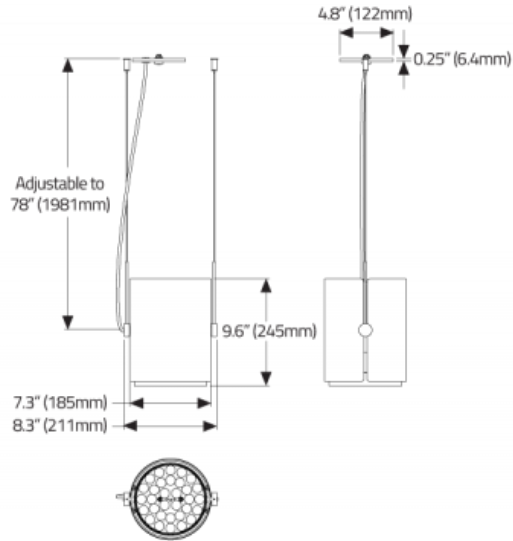
8 PERFORMANCE DATA

DIRECT 15° BEAM ANGLE	WATTS	LUMENS	LPW	DIRECT 30° BEAM ANGLE	WATTS	LUMENS	LPW
	19 41 65 93	2500 4900 7400 10000	132 121 114 106		19 41 65 93	2500 5025 7500 10050	135 124 116 108

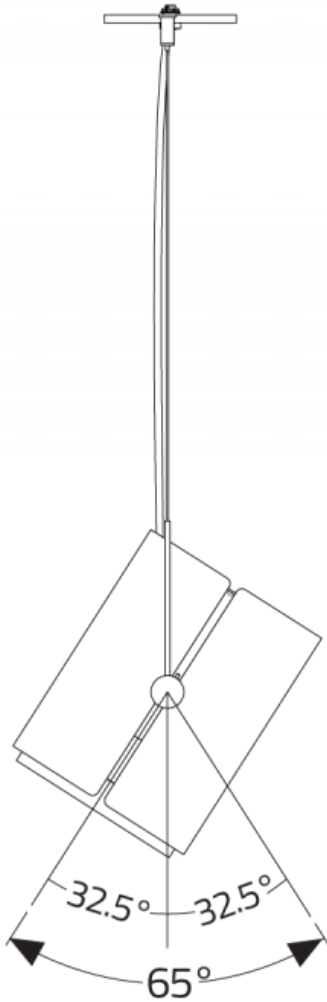
DIRECT 50° BEAM ANGLE	WATTS	LUMENS	LPW	DIRECT 70° BEAM ANGLE	WATTS	LUMENS	LPW
	19 41 65 93	2400 4800 7100 9500	128 117 110 102		19 41 65 93	2400 4800 7200 9600	129 118 111 103

9 DIMENSIONAL DIAGRAMS

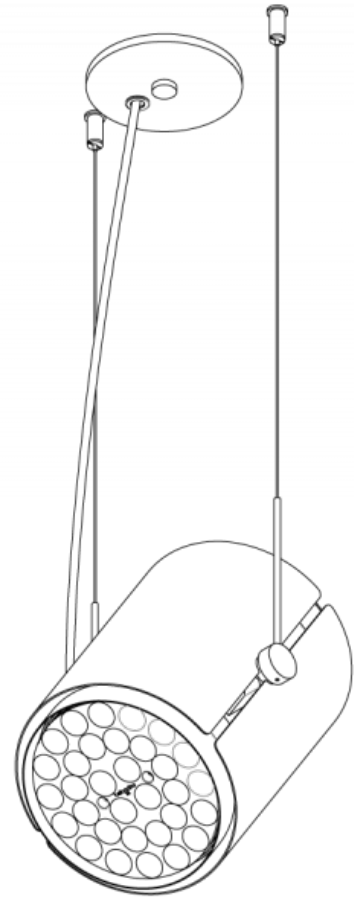
FIXTURE PROFILE



DIRECT

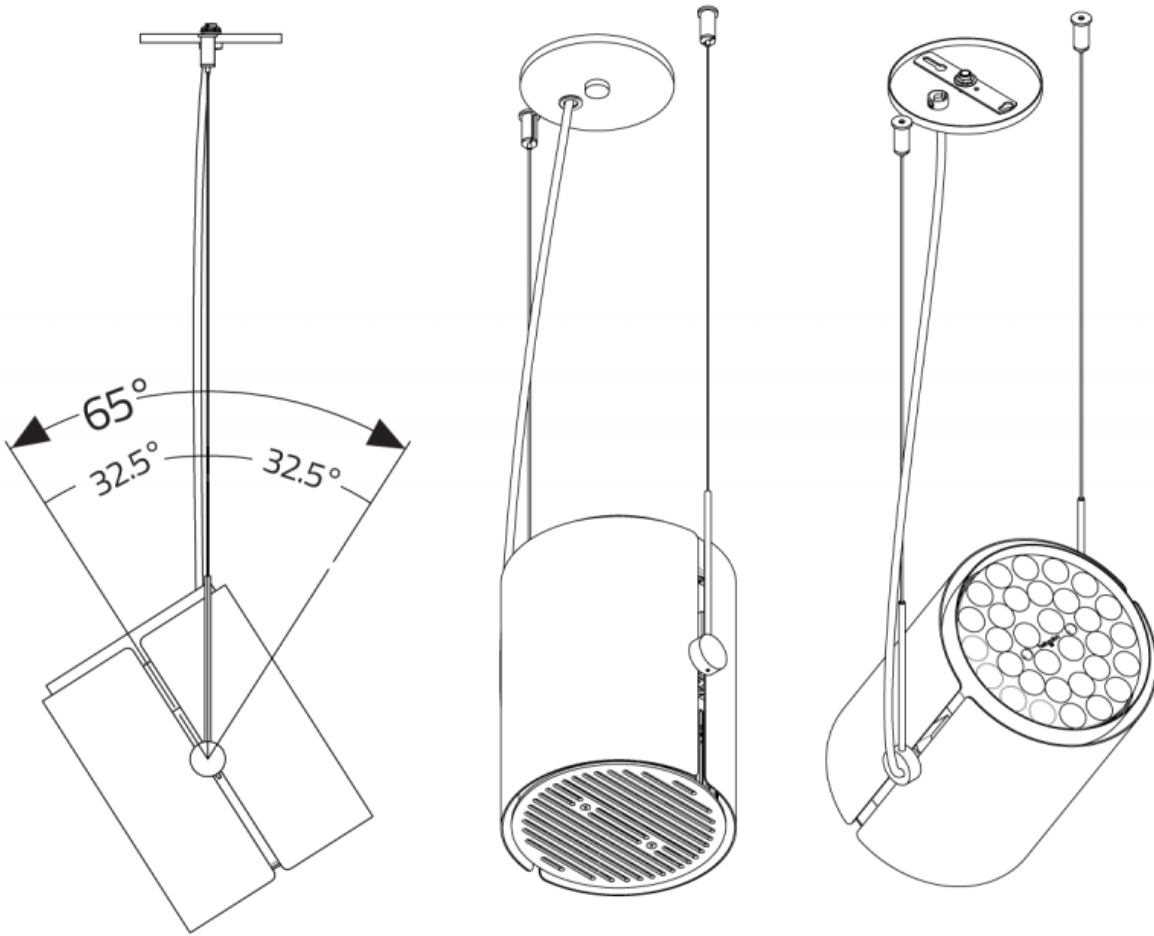


ISOMETRIC BOTTOM VIEW
(STRAIGHT)



ISOMETRIC VIEW
(ANGLED)

INDIRECT

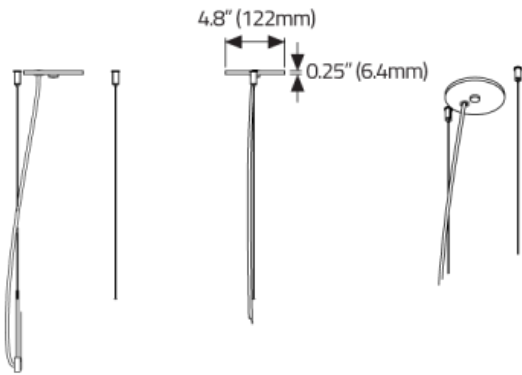


ISOMETRIC BOTTOM VIEW
(STRAIGHT)

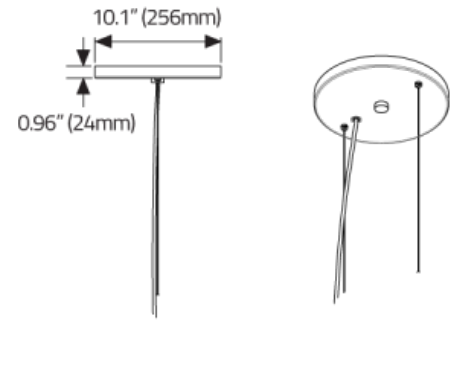
ISOMETRIC VIEW
(ANGLED)

CANOPIES

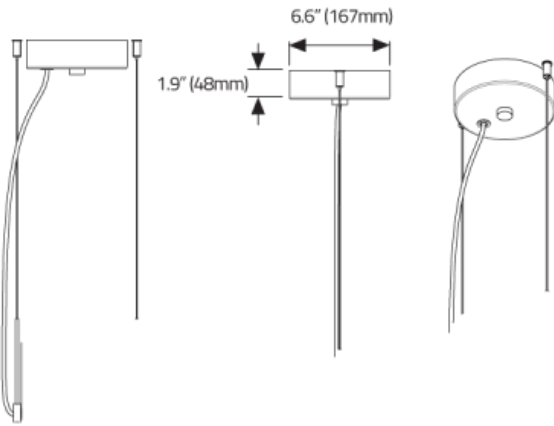
CANOPY A



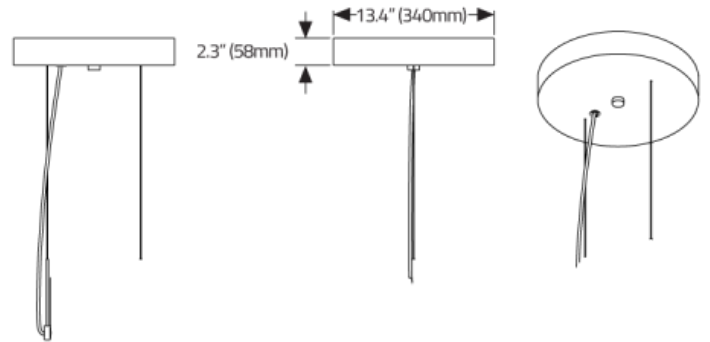
CANOPY B



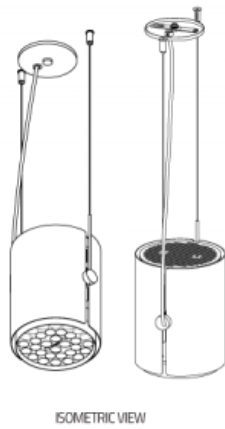
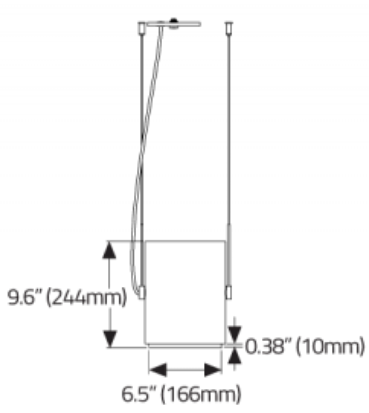
CANOPY C



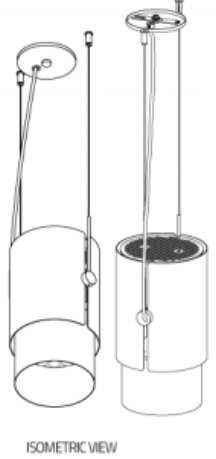
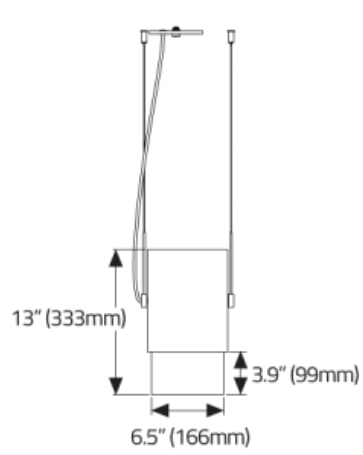
CANOPY D



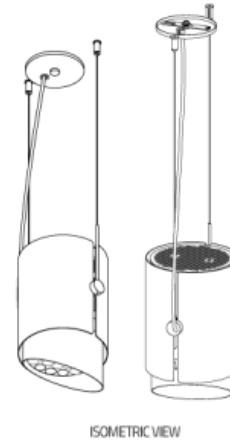
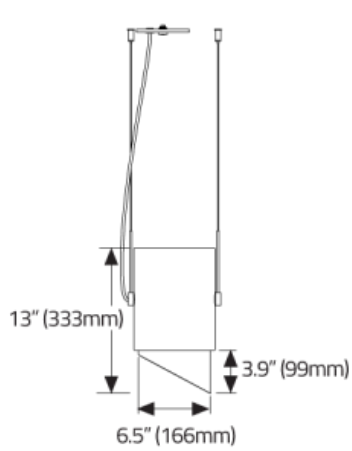
SNOOTS



STANDARD SNOOT



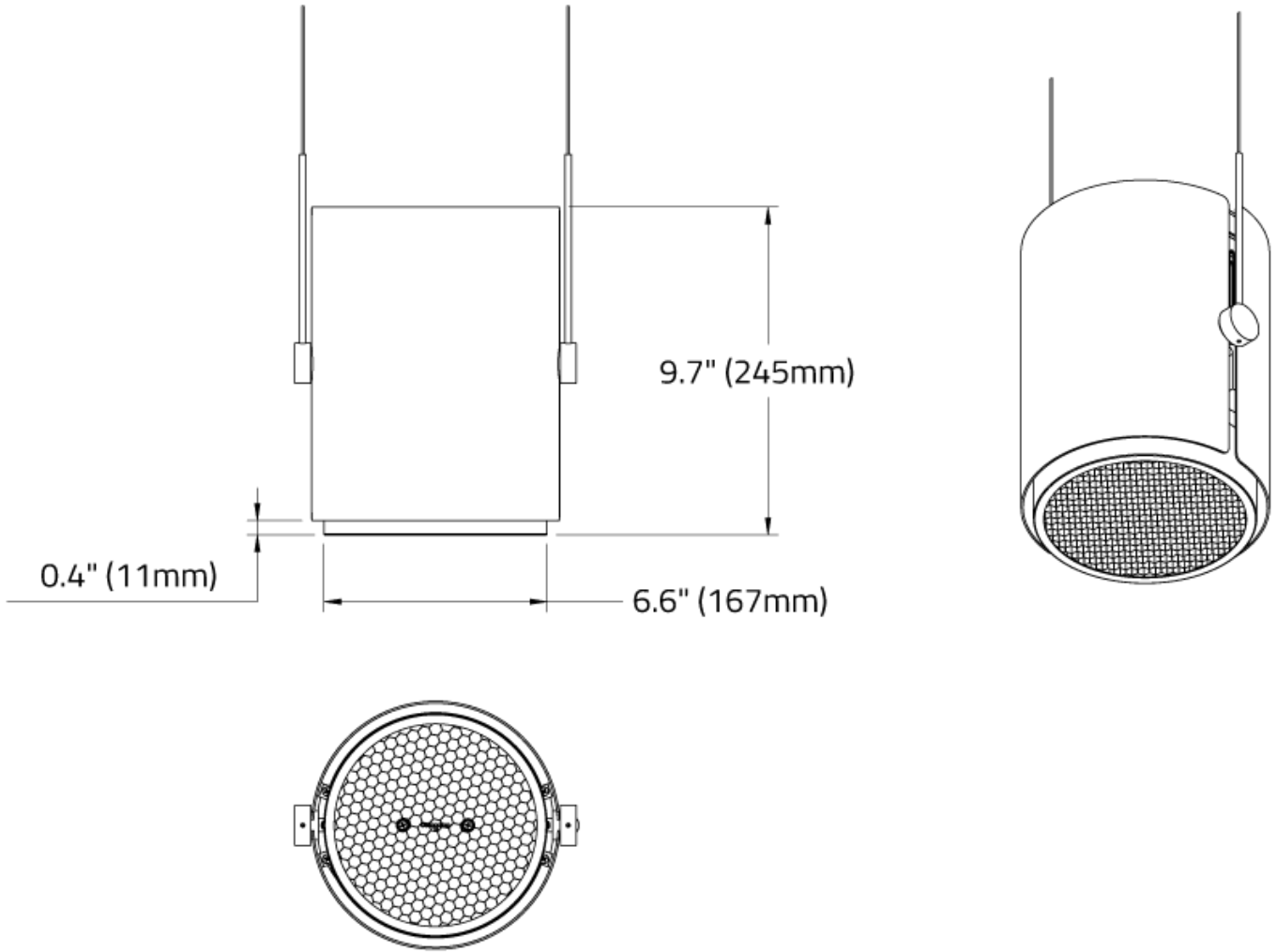
LONG SNOOT



HALF SNOOT

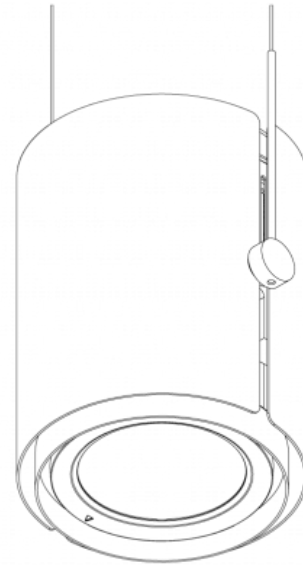
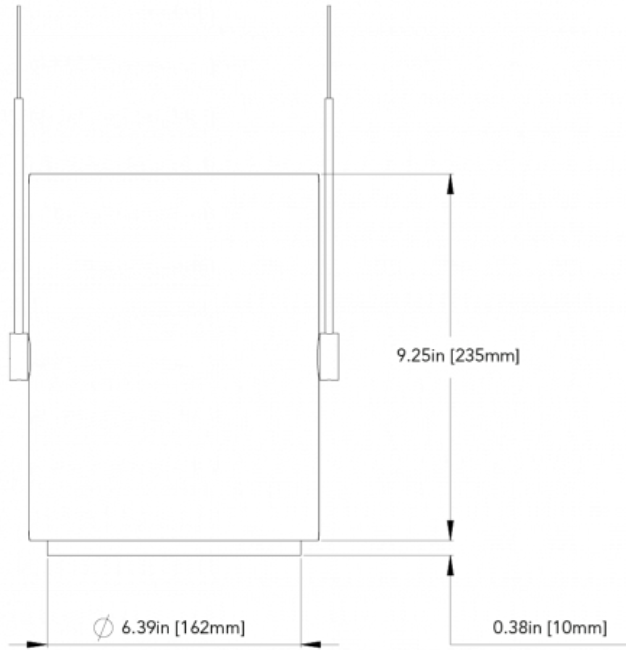
LOUVRE

HEX CELL LOUVRE



Matrex Round PD - COB

Matrex RD PD - COB



Isometric View

