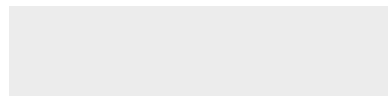


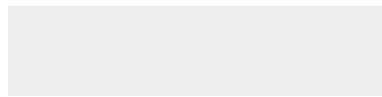


MATREX RD SINGLE™

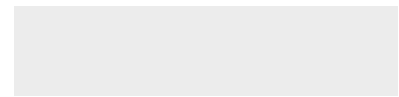
FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE

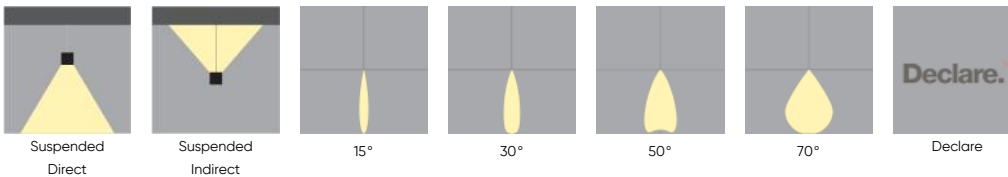


QUANTITIES

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 & lpm 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

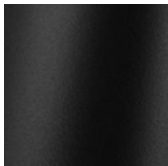
Designed for on-site LED board, driver, and optic replacement. Contact the factory for maintenance documentation.

5 DESIGN OPTIONS

FINISH - FIXTURE



White



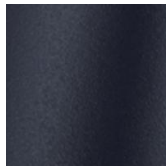
Black
Metallic -
Textured



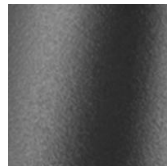
Silver
Metallic -
Textured



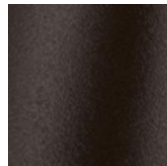
Gold Metallic
- Textured



Midnight
Blue Metallic
- Textured



Charcoal
Metallic -
Textured

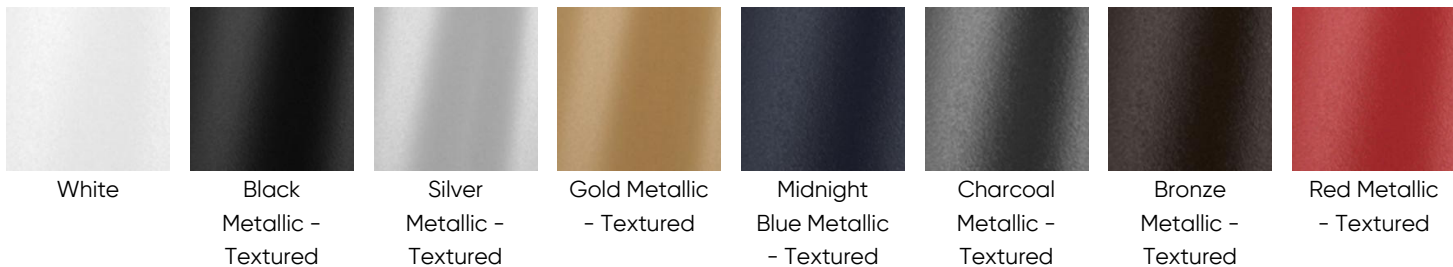


Bronze
Metallic -
Textured



Red Metallic
- Textured

FINISH – CANOPY



6 HOW TO ORDER

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 All data shown at max output and nominal values.		LUMENS LMA0250 2500 LMA0500 5025 LMA0750 7500 ¹ LMA1000 10050 ¹ ¹ Not available with COB / Reflector. [*] Max lumen values shown, refer to IES files for the different snoot and beam options.		CRI CR80 CRI 80+ CR90 CRI 90+ ¹ ¹ Not available with COB / Reflector.	
CCT/CRI CTA27 2700K ¹ CTA30 3000K CTA35 3500K CTA40 4000K ¹ 2700K is only available with CRI 80+ and LEDs / Multi-Array Optics.		BEAM ANGLE BA15 15° ¹ BA30 30° ¹ BA50 50° BA70 70° ¹ ¹ 15°, 30°, and 70° are not available with COB / Reflector.		VOLTAGE V1 120/277V V2 240V ¹ V3 347V ² ¹ Not available in North America. ² Only available with DA01 dimming.	
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		CANOPY CN1 Canopy A ¹ CN2 Canopy B ¹ CN3 Canopy C ^{1 2} CN4 Canopy D ^{1 3} ¹ Fits over a standard j-box (provided by others). ² Use with V2 only. ³ Ordered with E1 (Emergency Integral) or DA40 (DMX Dimming).		CANOPY FINISH CF01 White CF02 Black Metallic – Textured CF20 Silver Metallic – Textured CF25 Gold Metallic – Textured CF44 Midnight Blue Metallic – Textured CF46 Charcoal Metallic – Textured CF47 Bronze Metallic – Textured CF53 Red Metallic – Textured	
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} DA40 DMX Dimming ^{1 3} ¹ Not available with 347V. ² Not available in North America. ³ Must be used with CN4 canopy.					

SNOUTS AND LOUVER

- NT1 Standard Snoot – Black ¹
- NT2 Standard Snoot – White ¹
- NT3 Long Snoot – Black ^{1 2}
- NT4 Long Snoot – White ^{1 2}
- NT5 Half Snoot – Black ^{1 2}
- NT6 Half 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 and louvers may decrease overall efficacy. For COB/Reflector, the bezel finish matches the snoot finish.

¹ Snoot must be picked at time of order, if not ordering a louver. ²

Unavailable with COB / Reflector.

³ Unavailable with BA70 beam angle. Available with Direct only.

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.

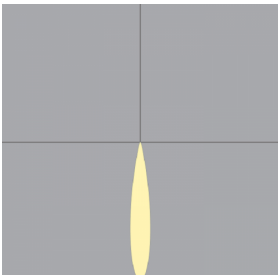
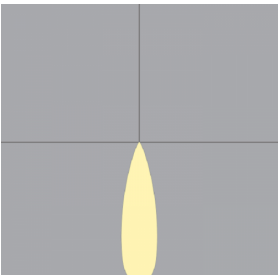
7 TECHNICAL DATA

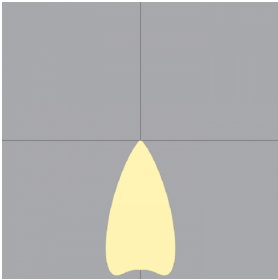
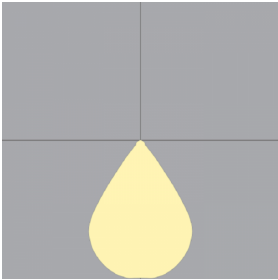
LUMINAIRE

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

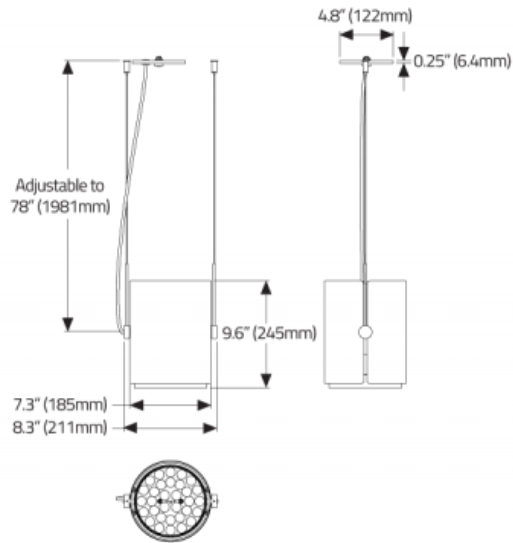
8 PERFORMANCE DATA

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

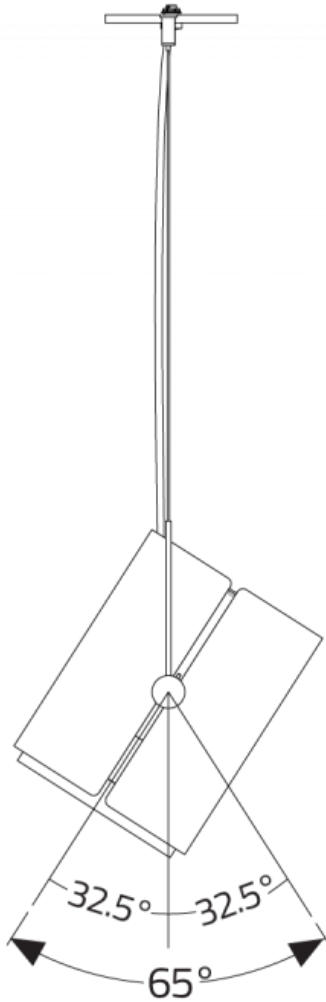
DIRECT 50° BEAM ANGLE	WATTS	LUMENS	LPW	DIRECT 70° BEAM ANGLE	WATTS	LUMENS	LPW
	19	2400	128		19	2400	129
	41	4800	117		41	4800	118
	65	7100	110		65	7200	111
	93	9500	102		93	9600	103

9 DIMENSIONAL DIAGRAMS

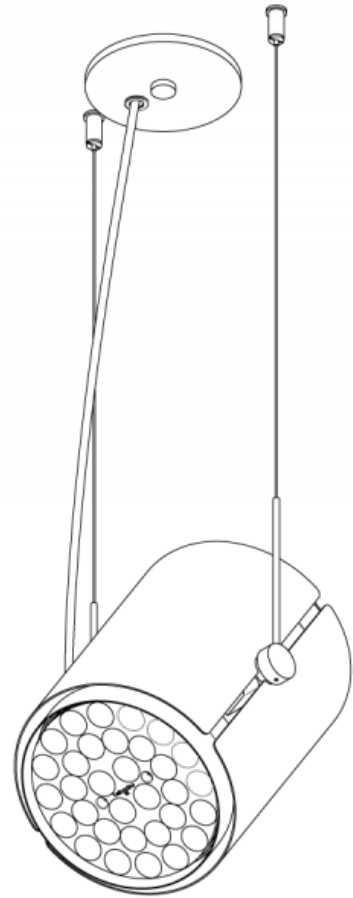
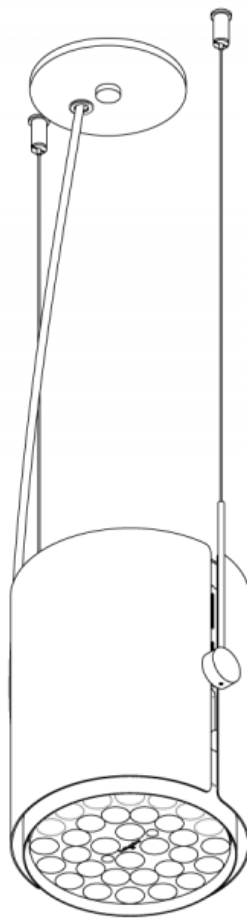
FIXTURE PROFILE



DIRECT

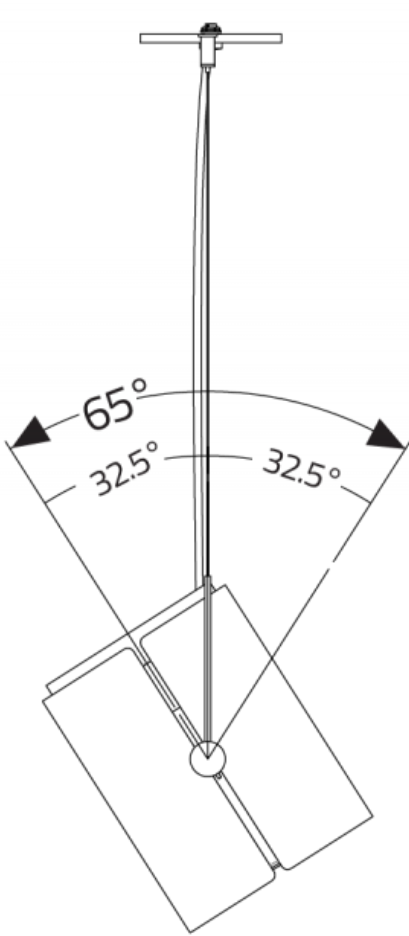


ISOMETRIC BOTTOM VIEW
(STRAIGHT)

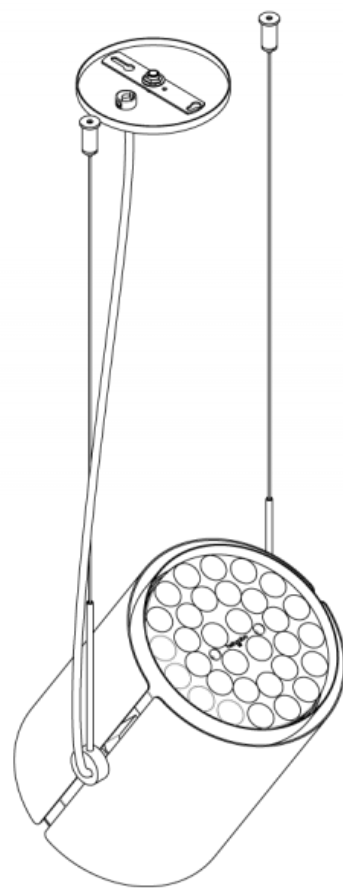
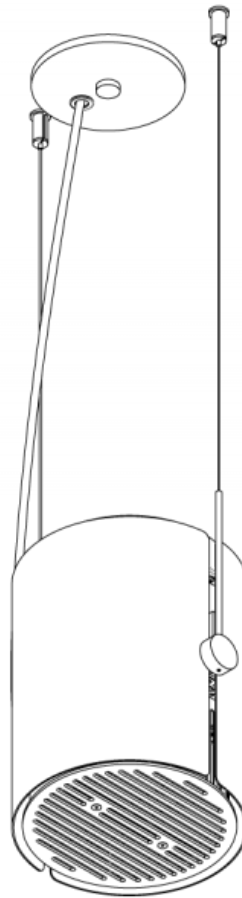


ISOMETRIC VIEW
(ANGLED)

INDIRECT



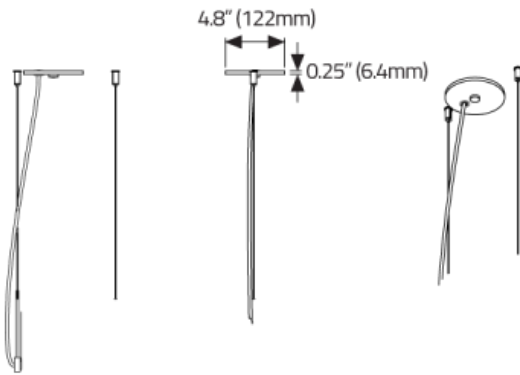
ISOMETRIC BOTTOM VIEW
(STRAIGHT)



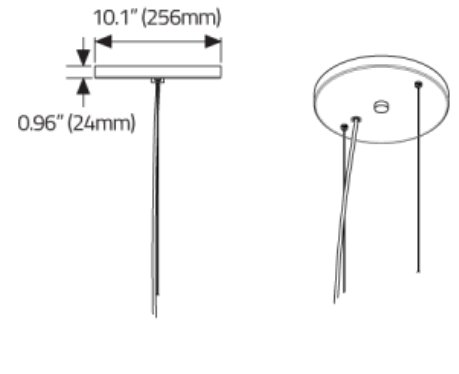
ISOMETRIC VIEW
(ANGLED)

CANOPIES

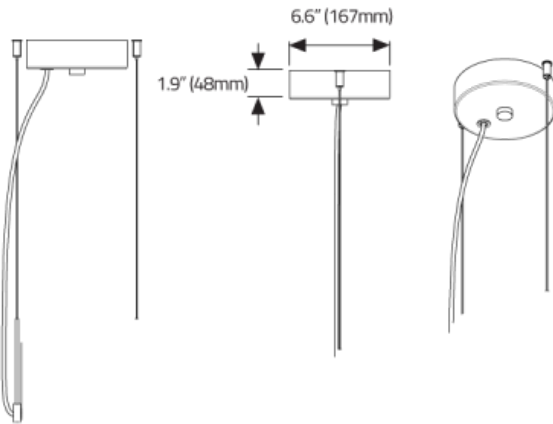
CANOPY A



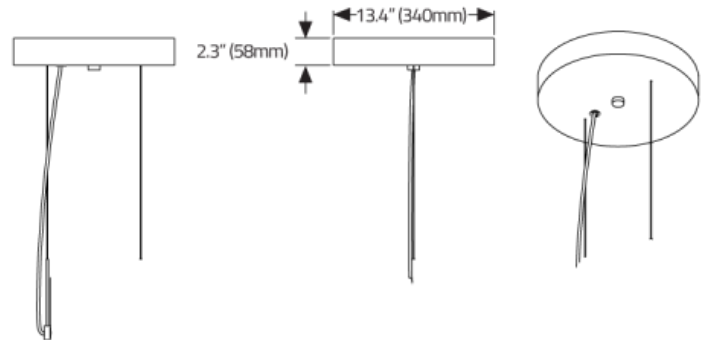
CANOPY B



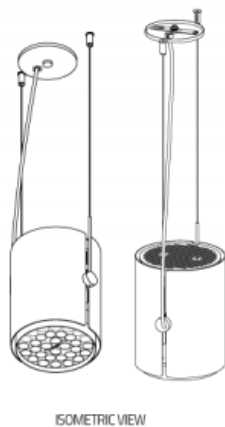
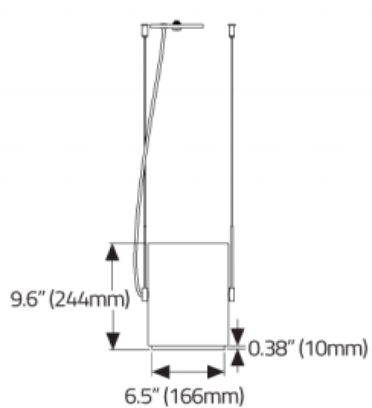
CANOPY C



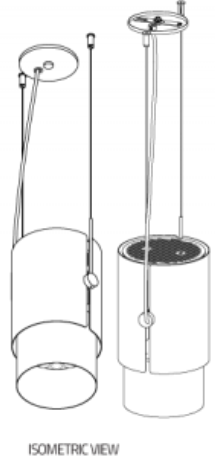
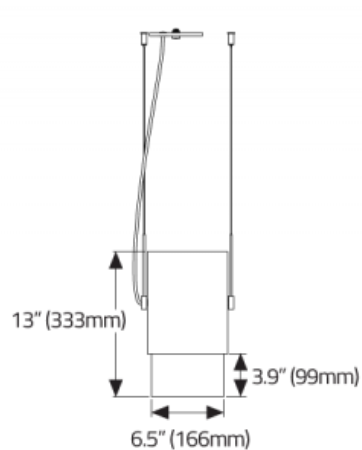
CANOPY D



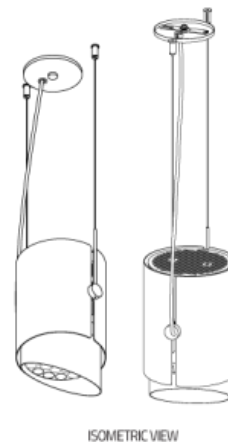
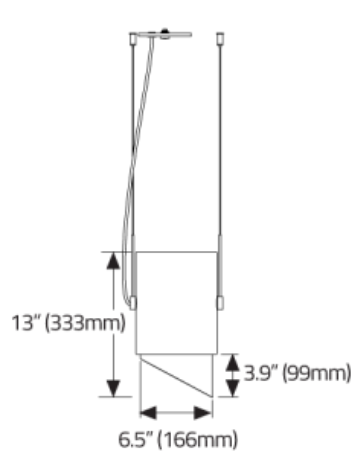
SNOOTS



STANDARD SNOOT



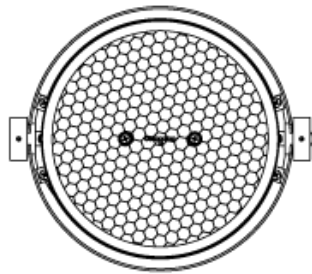
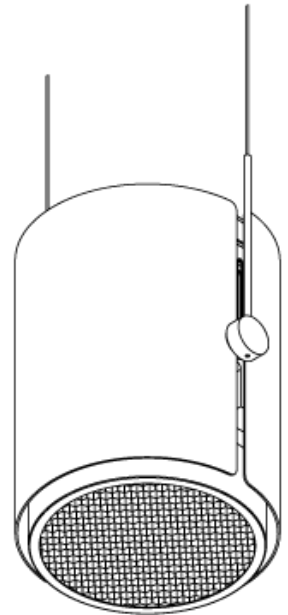
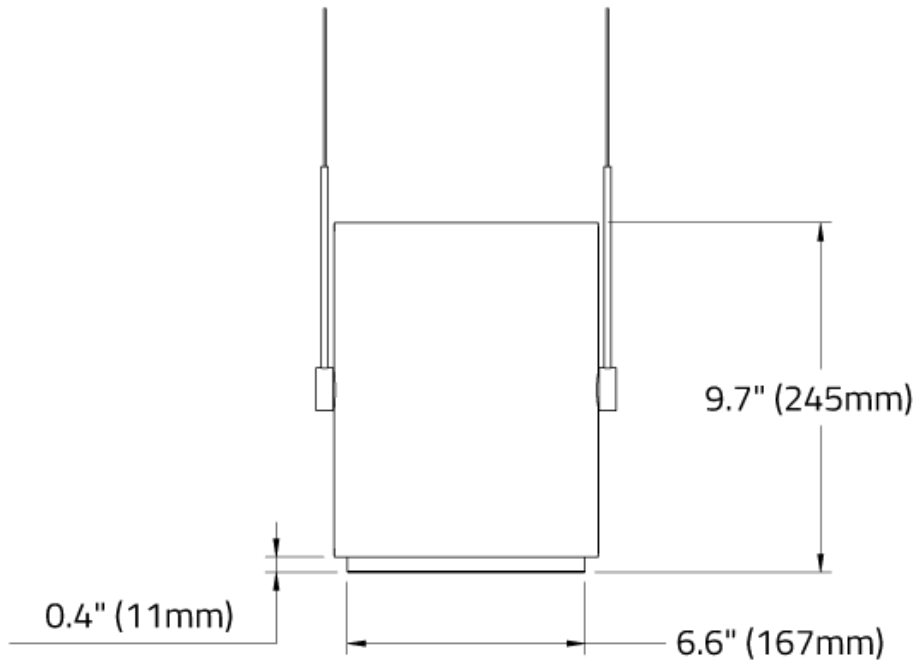
LONG SNOOT



HALF SNOOT

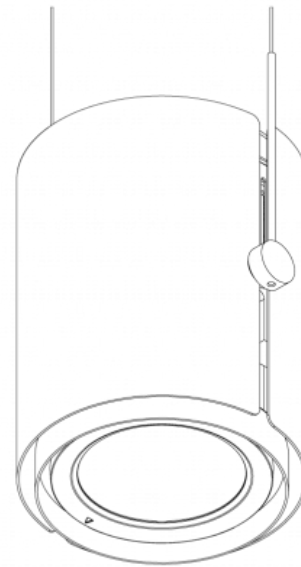
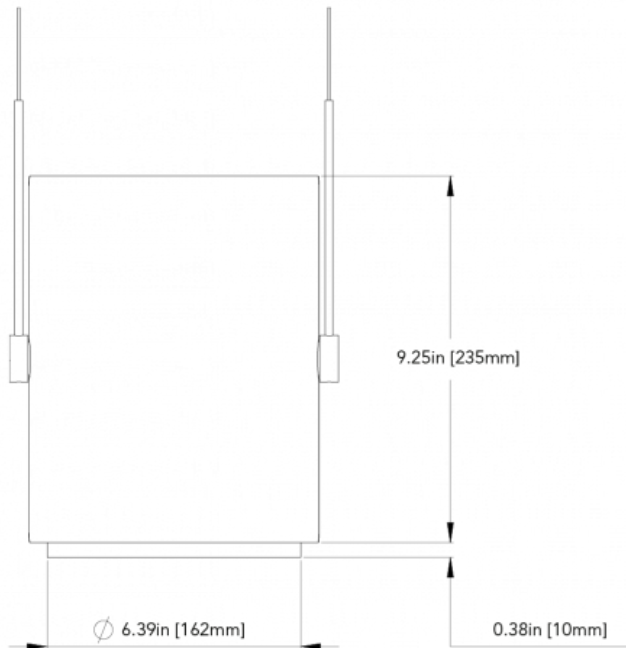
LOUVRE

HEX CELL LOUVRE



Matrex Round PD - COB

Matrex RD PD - COB



Isometric View

