

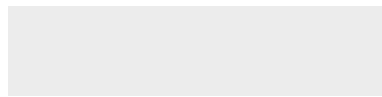


MATREX RD SINGLE™

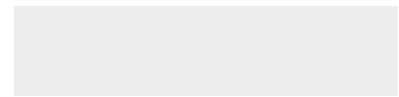
FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE

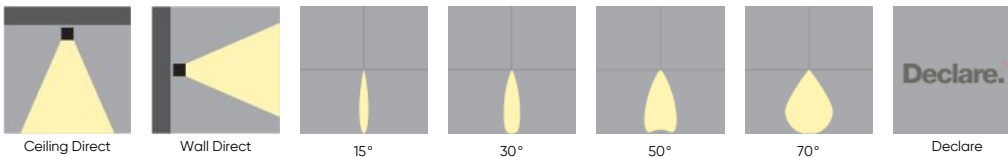


QUANTITIES

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. 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.

DRIVERS

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

REMOTE EMERGENCY SYSTEM (NORTH AMERICA ONLY)

Emergency option provides a 1.5 hour emergency lighting facility. The remote system includes the inverter module, NiCad batteries and a remote wall/ceiling LED charge indicator and test switch (maximum distance between wall/ceiling plate and luminaire is 4.5m/15'). Test switch fits a single gang box (not supplied).

SENSORS

Consult factory regarding sensor compatibility.

APPROVALS

Damp Rated.

MECHANICAL

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

REPORTED L70 @25°C (77°F)

> 60,000 hrs.

Estimated L70 @25°C (77°F)

> 171,000 hrs.

DELIVERED LUMENS

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

DESIGNED BY

Serge Cornelissen.

5 DESIGN OPTIONS

FINISH - FIXTURE



6 HOW TO ORDER

1. LUMINAIRE

MTRF1P01 Direct, LEDs / Multi-
Array Optics, 10050 lms

MTRF1P02 Direct, COB /
Reflector, 5025 lms

All data shown at max output and nominal values.

2. 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.

3. CRI

CR80 CRI 80+

CR90 CRI 90+ ¹

¹ Not available with COB / Reflector.

4. CCT

CTA27 2700K ¹

CTA30 3000K

CTA35 3500K

CTA40 4000K

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

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

6. VOLTAGE

V1 120/277V

V2 240V ¹

V3 347V ²

¹ Not available in North America. ² Only available with DA01 dimming.

7. 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.

8. 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

9. SNOOTS 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.

10. EMERGENCY

E0 Emergency system not required

E2 Emergency system – Remote ¹

¹ Not available with V3. Integral not available.

7 TECHNICAL DATA

LUMINAIRE

All data shown at max output and nominal values.

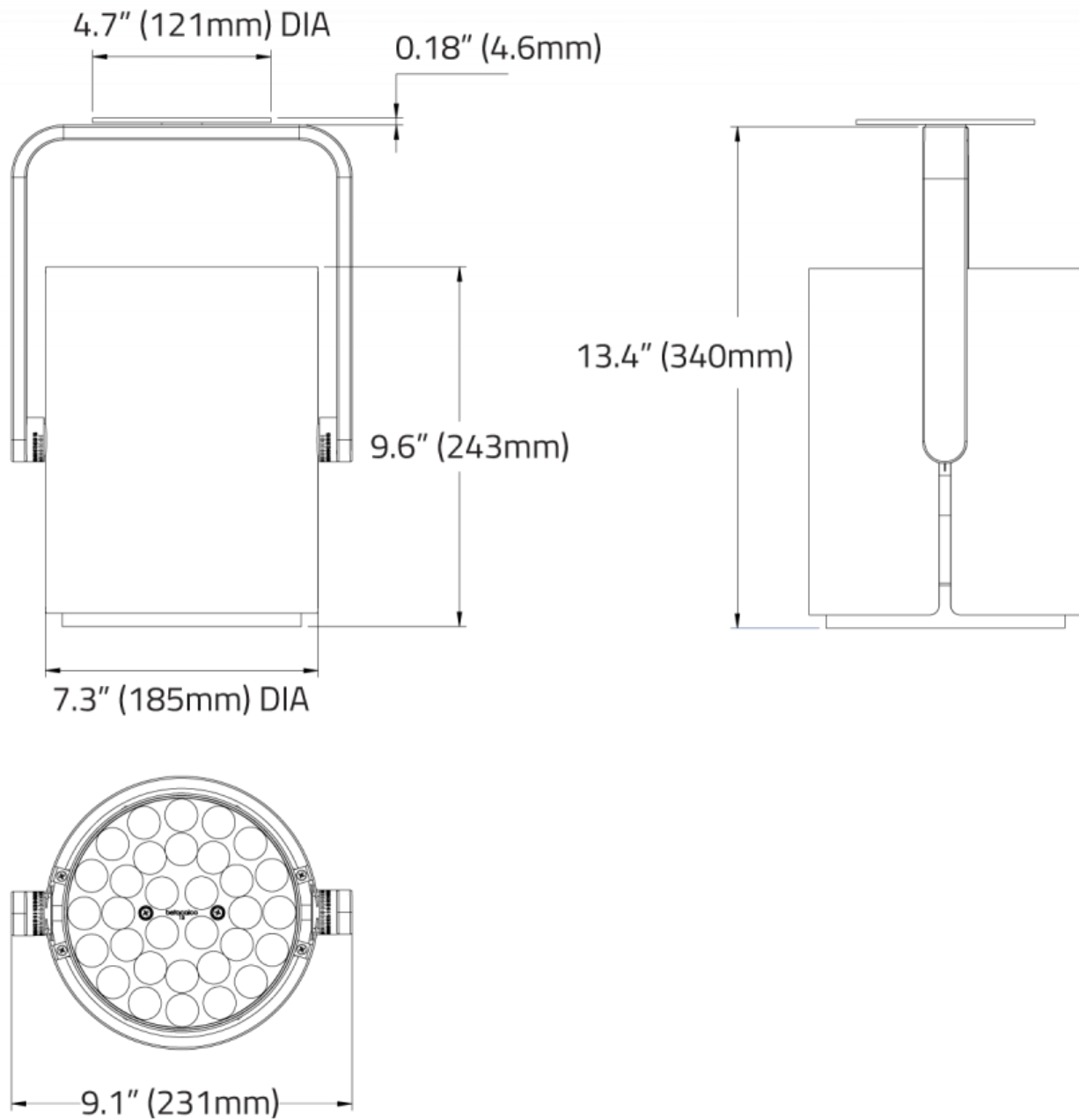
Code	MTRF1P01	MTRF1P02
Light Direction	Direct	Direct
Wattage	93W	44W
Delivered lms	10050	5025
LPW	124	111

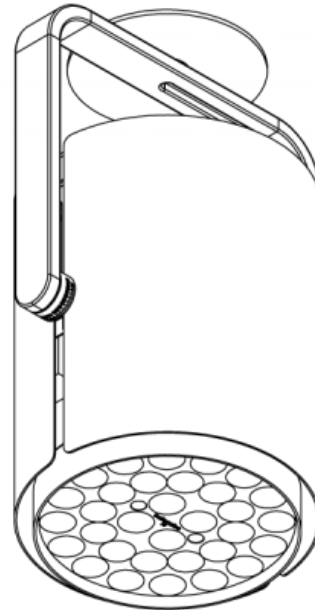
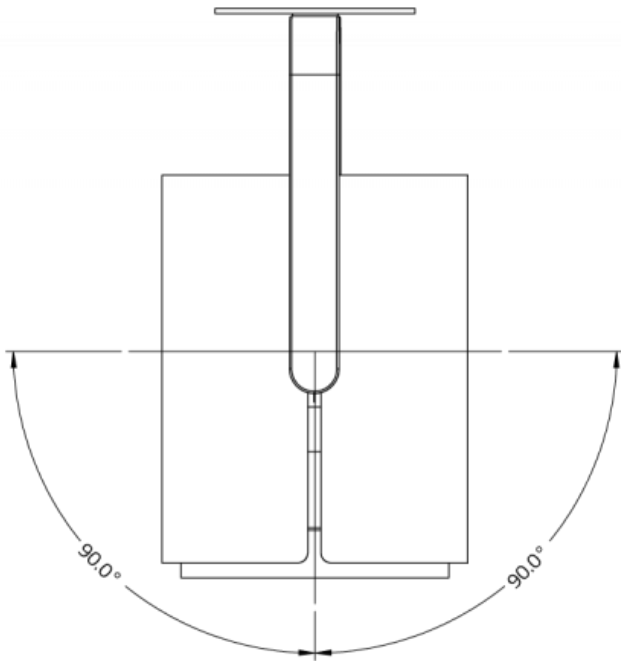
8

PERFORMANCE DATA

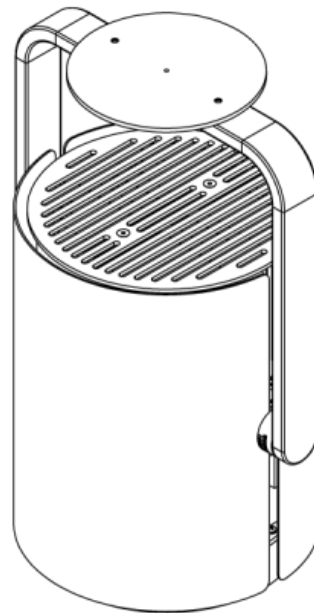
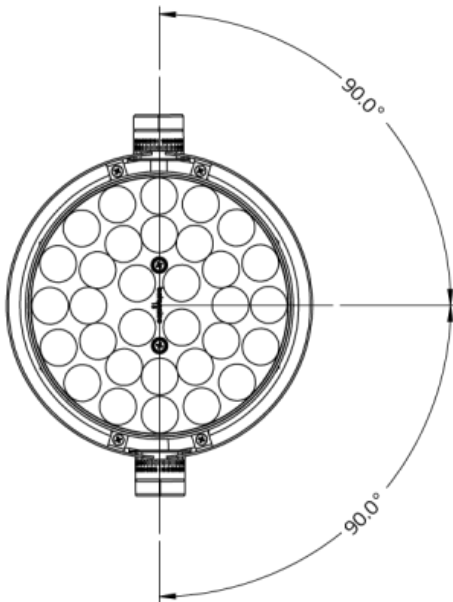
DIRECT 15° BEAM ANGLE	WATTS	LUMENS	LPW	DIRECT 30° BEAM ANGLE	WATTS	LUMENS	LPW
	19 41 65 93	2500 4900 7400 10000	132 121 114 106		19 41 65 93	2500 5025 7500 10050	135 124 116 108
DIRECT 50° BEAM ANGLE	WATTS	LUMENS	LPW	DIRECT 70° BEAM ANGLE	WATTS	LUMENS	LPW
	19 41 65 93	2400 4800 7100 9500	128 117 110 102		19 41 65 93	2400 4800 7200 9600	129 118 111 103

9 DIMENSIONAL DIAGRAMS





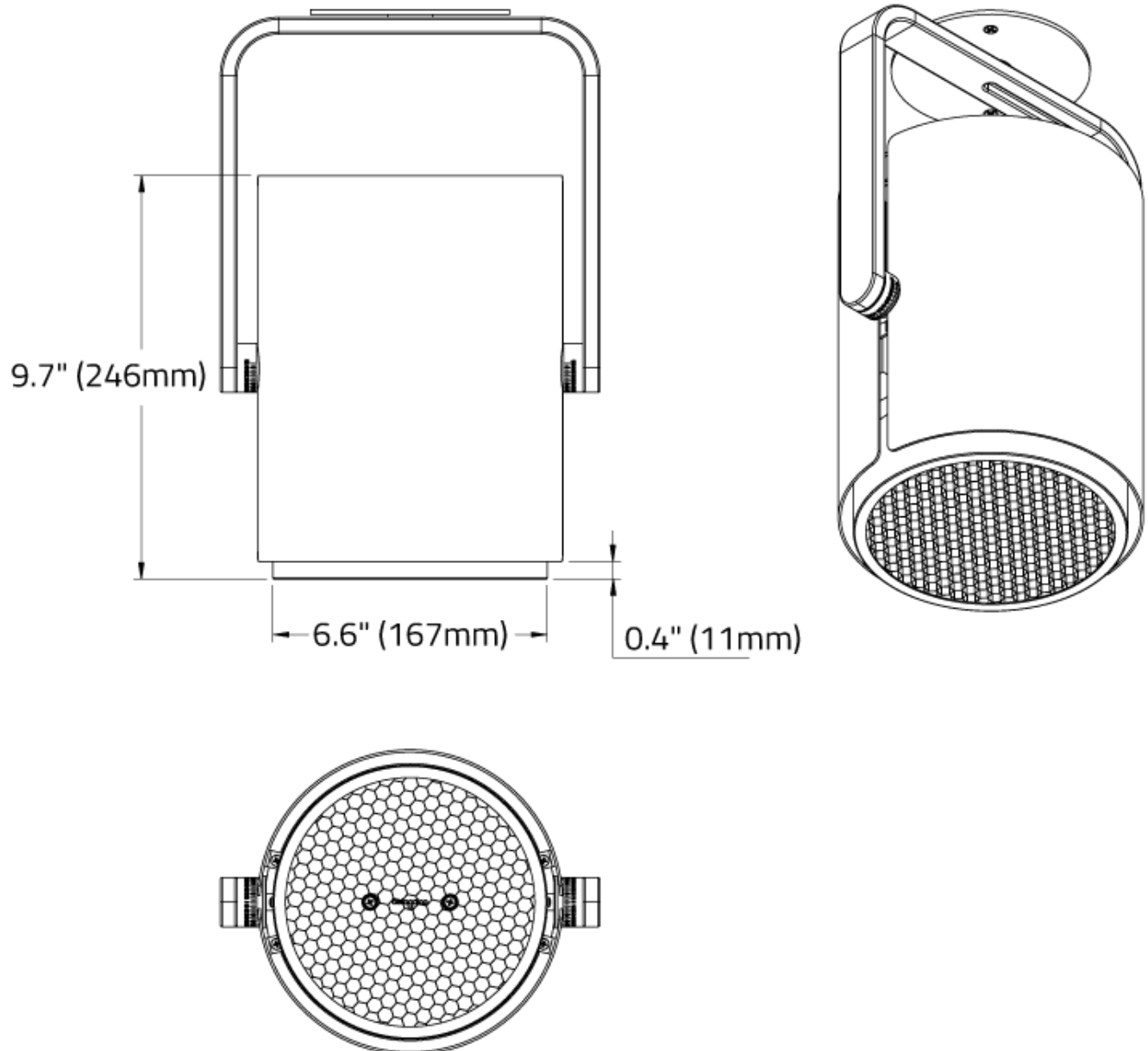
ISOMETRIC
BOTTOM VIEW



ISOMETRIC
TOP VIEW

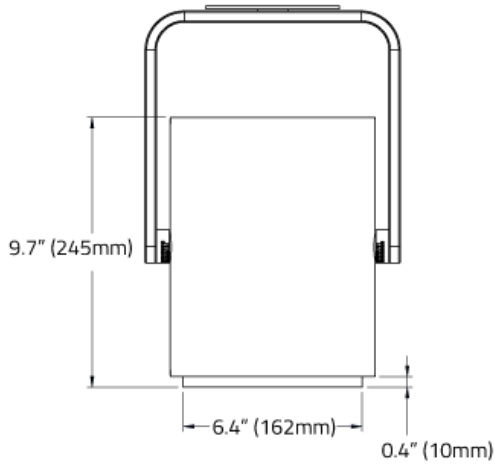
LOUVRE

HEX CELL LOUVRE

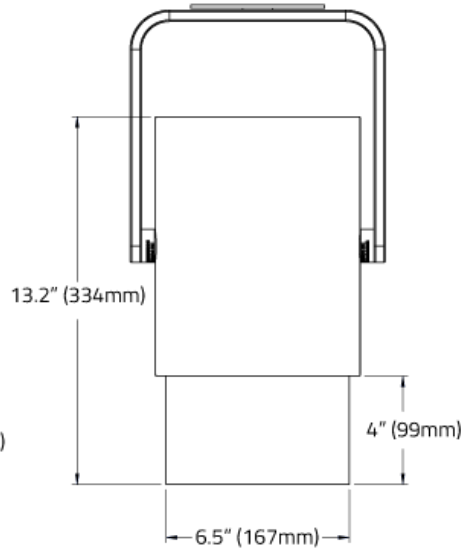


SNOOTS

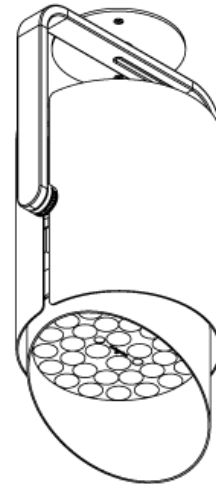
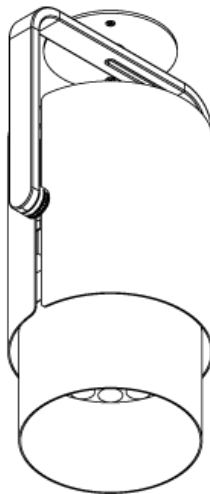
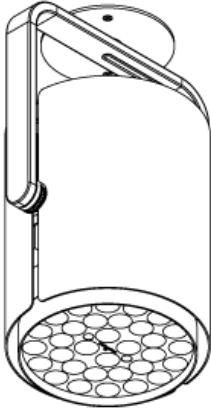
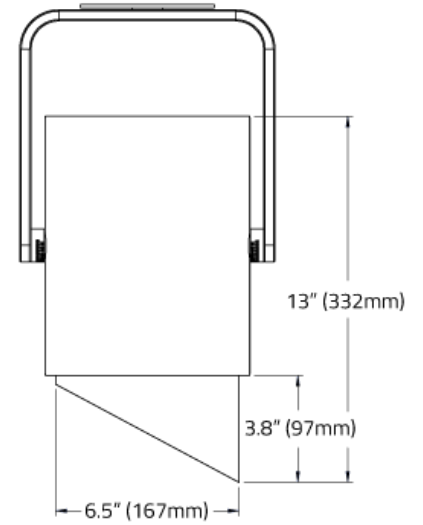
STANDARD SNOOT



LONG SNOOT

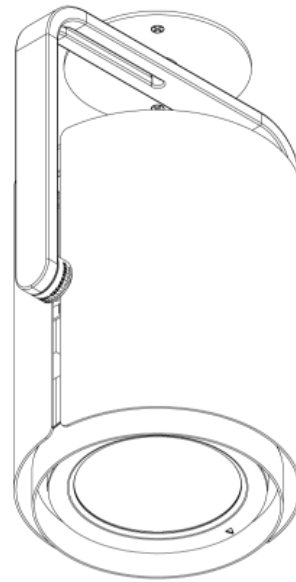
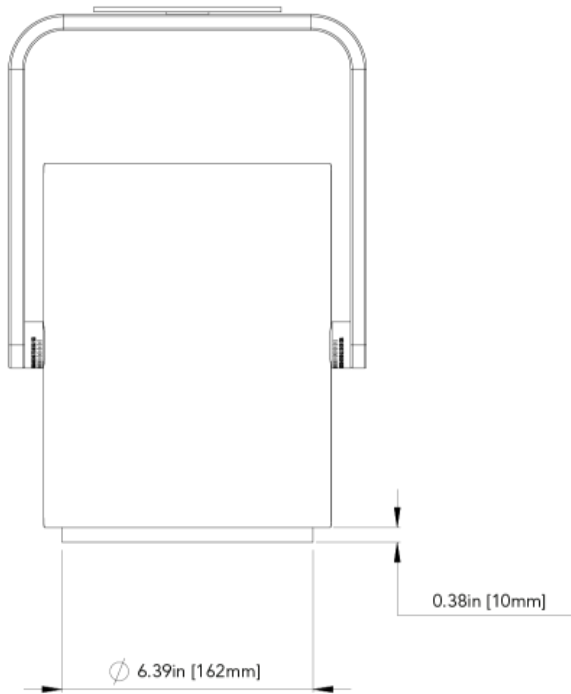


HALF SNOOT



Matrex Round Surface - COB

Matrex RD Single - COB



Isometric View

