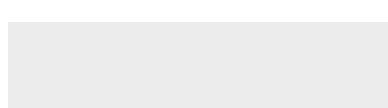


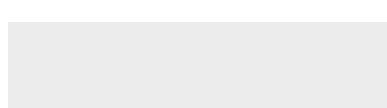


MATREX RD SINGLE™

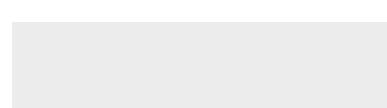
FULL SPECIFICATION SHEET



Fixture Type



Fixture Code

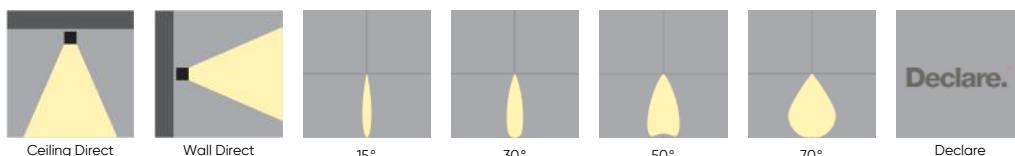


Quantities

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

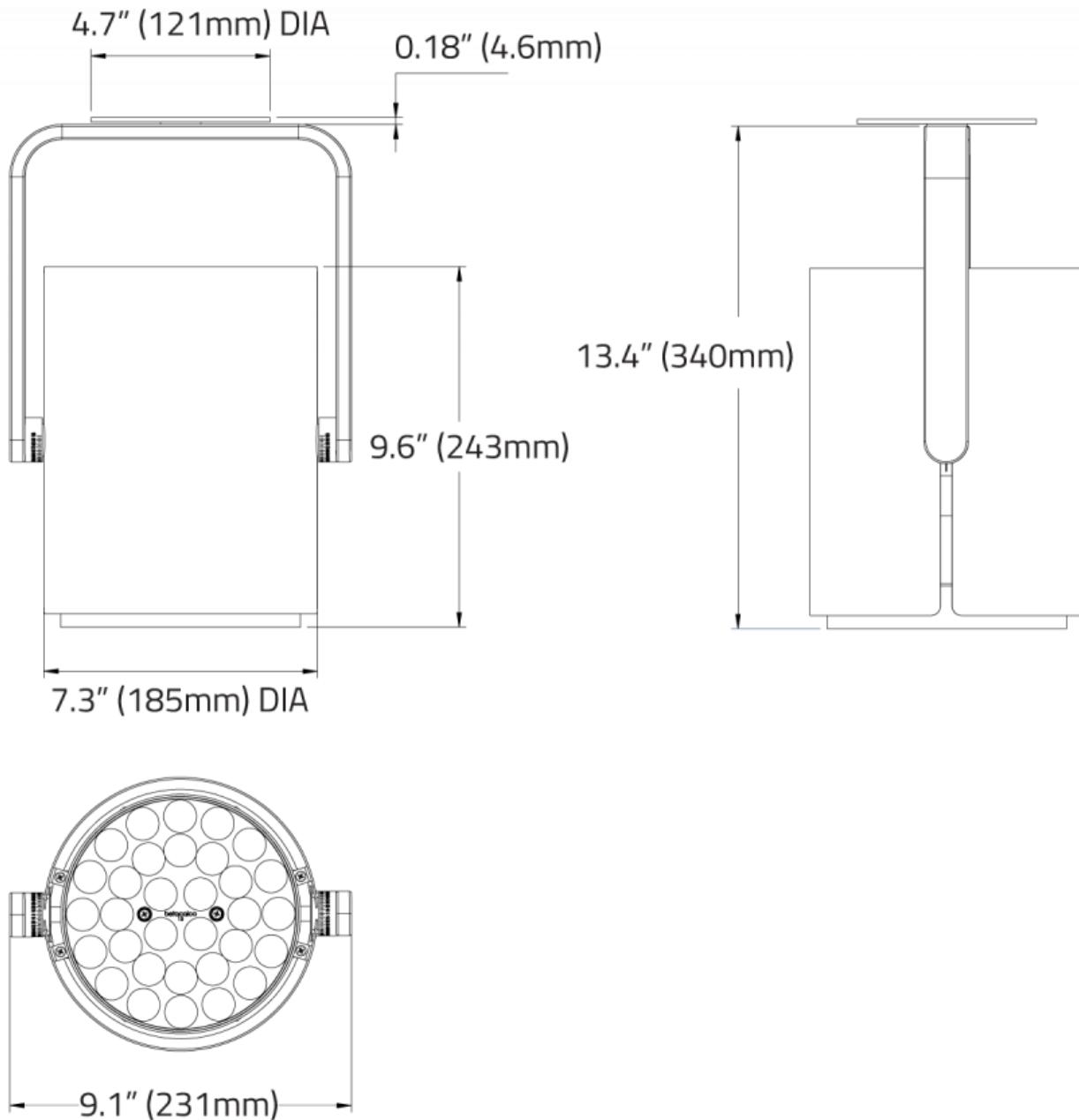
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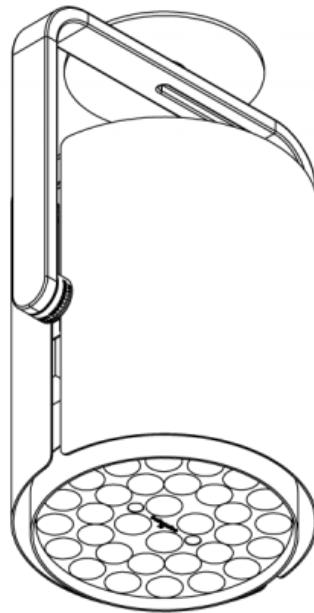
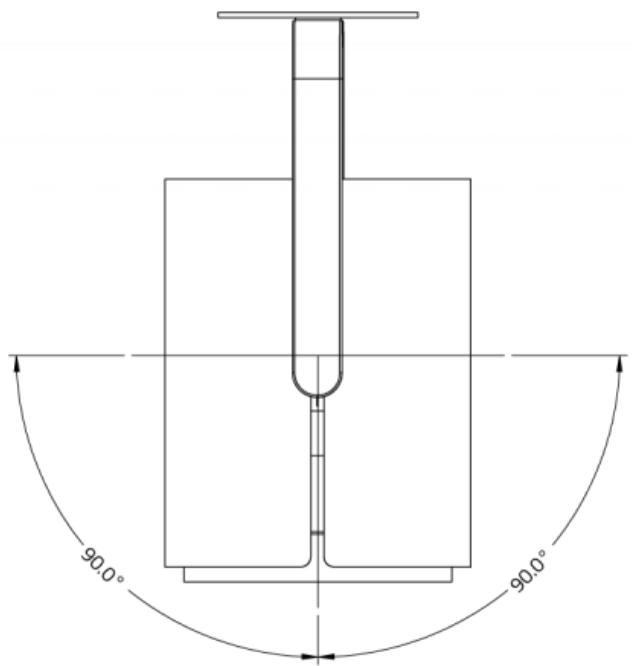
| Code | MTRF1P01 | MTRF1P02 |
|------------------------|-----------------|-----------------|
| Light Direction | Direct | Direct |
| Wattage | 93W | 44W |
| Delivered lms | 10050 | 5025 |
| LPW | 124 | 111 |

8 PERFORMANCE DATA

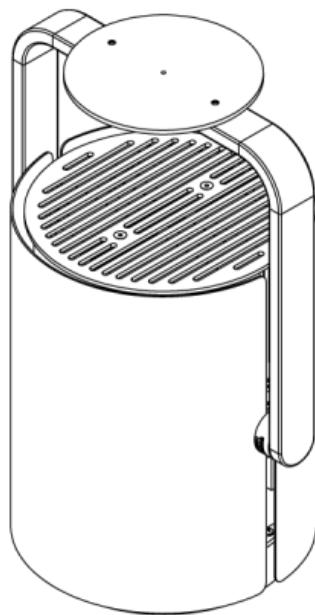
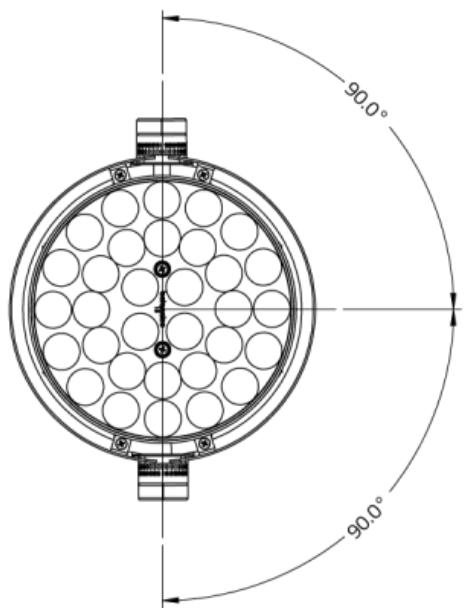
| DIRECT 15° BEAM ANGLE | WATTS | LUMENS | LPW | DIRECT 30° BEAM ANGLE | WATTS | LUMENS | LPW |
|-----------------------|----------------------|-------------------------------|--------------------------|-----------------------|----------------------|-------------------------------|--------------------------|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





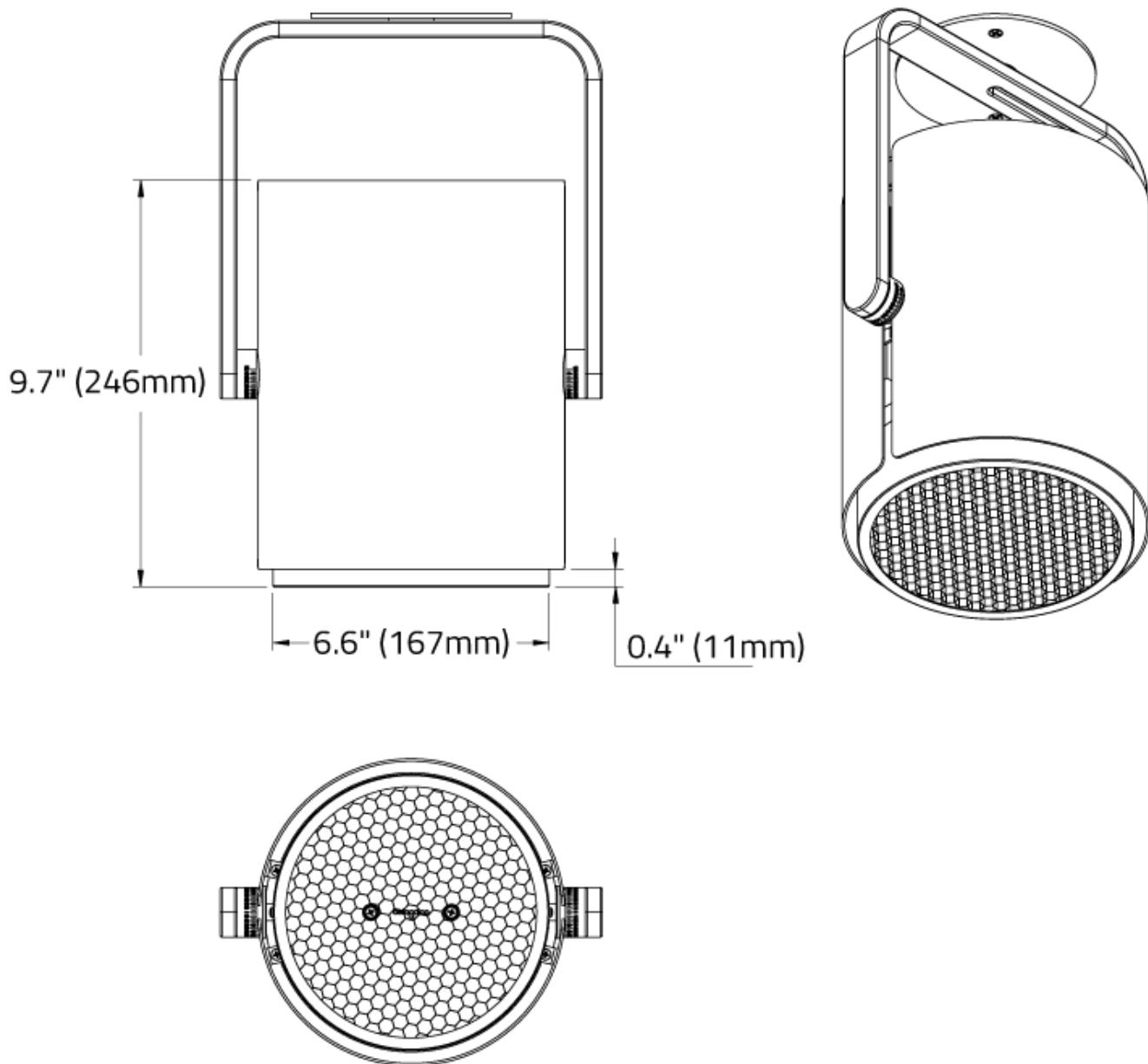
ISOMETRIC
BOTTOM VIEW



ISOMETRIC
TOP VIEW

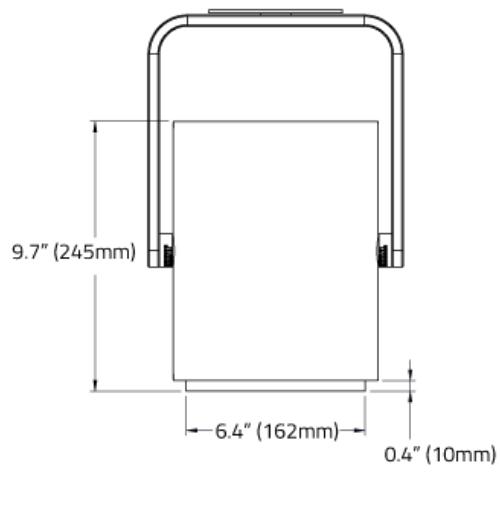
LOUVRE

HEX CELL LOUVRE

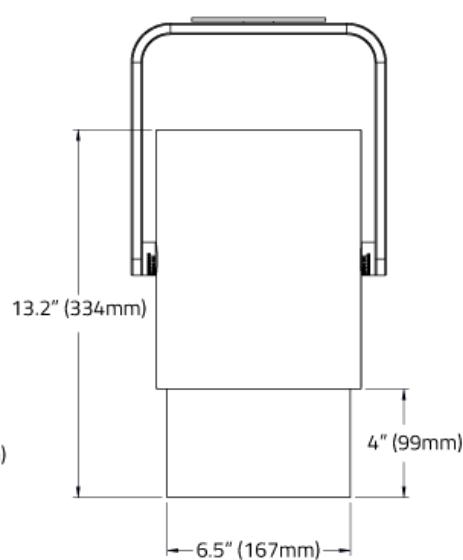


SNOOTS

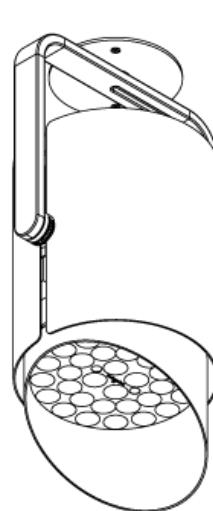
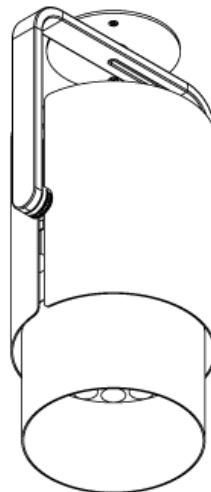
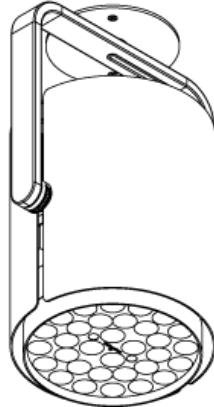
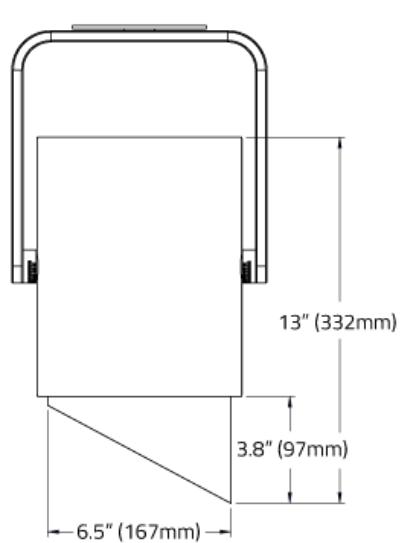
STANDARD SNOOT



LONG SNOOT

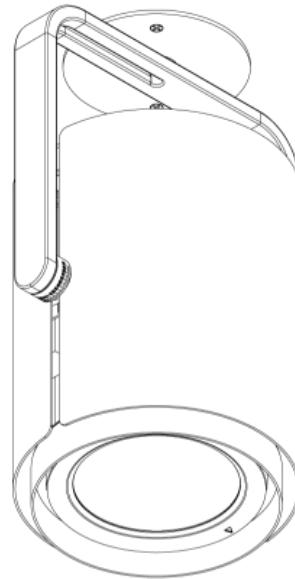
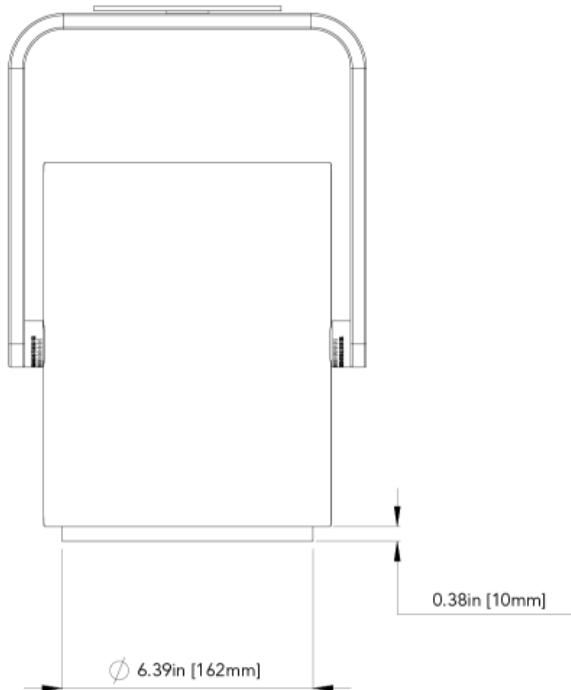


HALF SNOOT



Matrex Round Surface - COB

Matrex RD Single - COB



Isometric View

