

MATREX RD SINGLE™ - SURFACE

Project Name:

Fixture Type:

Fixture Code:

Quantities:



MATREX RD SINGLE™ - SURFACE



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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.

GENERAL SPECIFICATION

Body and trim

Steel and aluminum.

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.

Finish

Powder coated as specified. Custom paint finishes available to special order.

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.

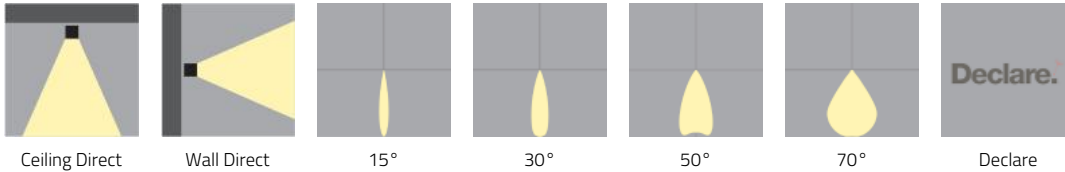
Delivered lumens

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

Designed by

Serge Cornelissen.

MOUNTING & OPTICS



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HOW TO ORDER

A. LUMINAIRE

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

MTRF1P02 Direct, COB / Reflector, 5025 lms

All data shown at max output and nominal values.

B. LUMENS

LMA0250 2500

LMA0500 5025

LMA0750 7500¹

LMA1000 10050¹

¹ Not available with COB / Reflector.

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

C. CRI

CR80 CRI 80+

CR90 CRI 90+¹

¹ Not available with COB / Reflector.

D. CCT

CTA27 2700K¹

CTA30 3000K

CTA35 3500K

CTA40 4000K

¹ 2700K is only available with CRI 80+ and LEDs / Multi-Array Optics.

E. BEAM ANGLE

BA15 15°¹

BA30 30°¹

BA50 50°

BA70 70°¹

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

F. VOLTAGE

V1 120/277V

V2 240V¹

V3 347V²

¹ Not available in North America.

² Only available with DA01 dimming.

G. 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.

H. 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



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I. 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 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.

J. EMERGENCY

E0 Emergency system not required

E2 Emergency system - Remote ¹

¹ Not available with V3. Integral not available.



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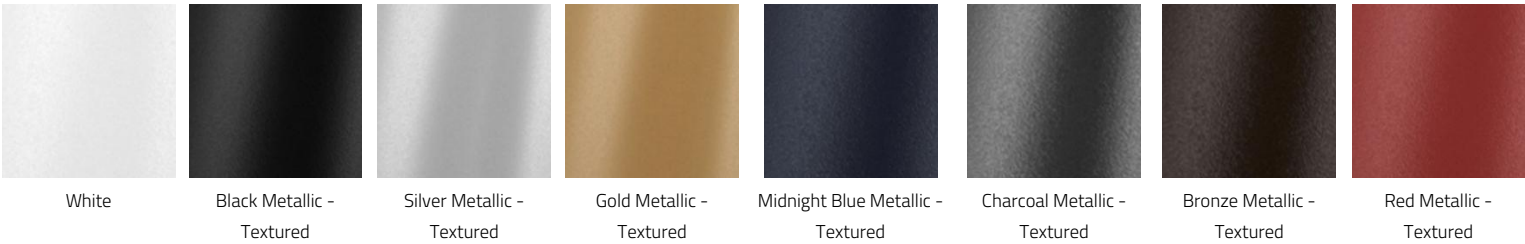
TECHNICAL DATA

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

FINISH - FIXTURE



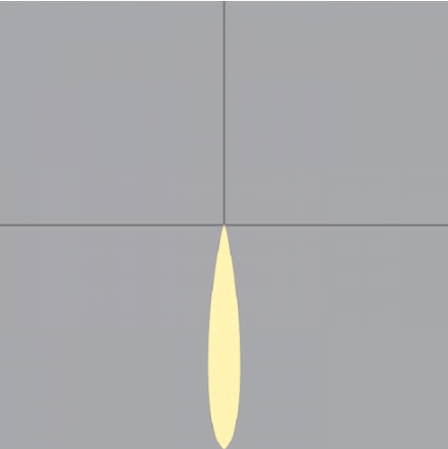
APPROVALS



MATREX RD SINGLE™ - SURFACE

PERFORMANCE DATA

DIRECT 15° BEAM ANGLE

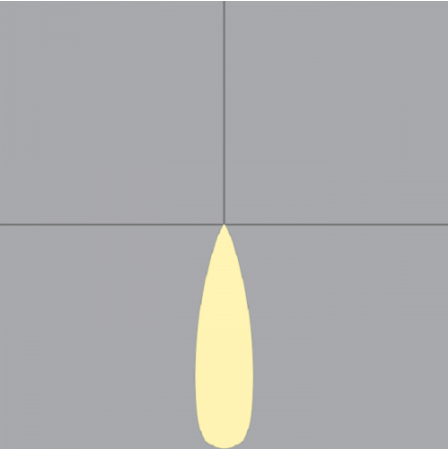


WATTS
19
41
65
93

LUMENS
2500
4900
7400
10000

LPW
132
121
114
106

DIRECT 30° BEAM ANGLE

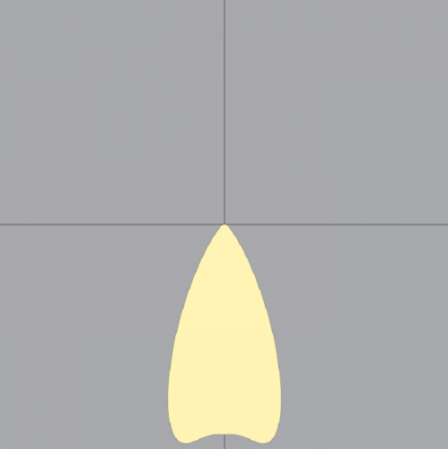


WATTS
19
41
65
93

LUMENS
2500
5025
7500
10050

LPW
135
124
116
108

DIRECT 50° BEAM ANGLE



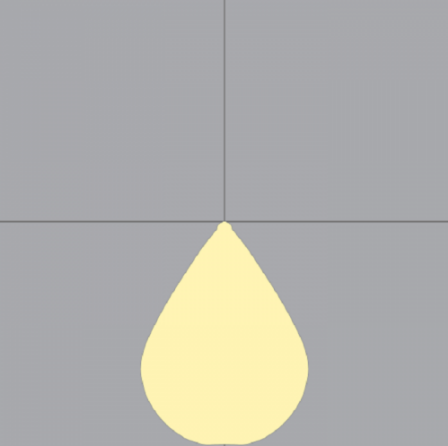
WATTS
19
41
65
93

LUMENS
2400
4800
7100
9500

LPW
128
117
110
102

MATREX RD SINGLE™ - SURFACE

DIRECT 70° BEAM ANGLE



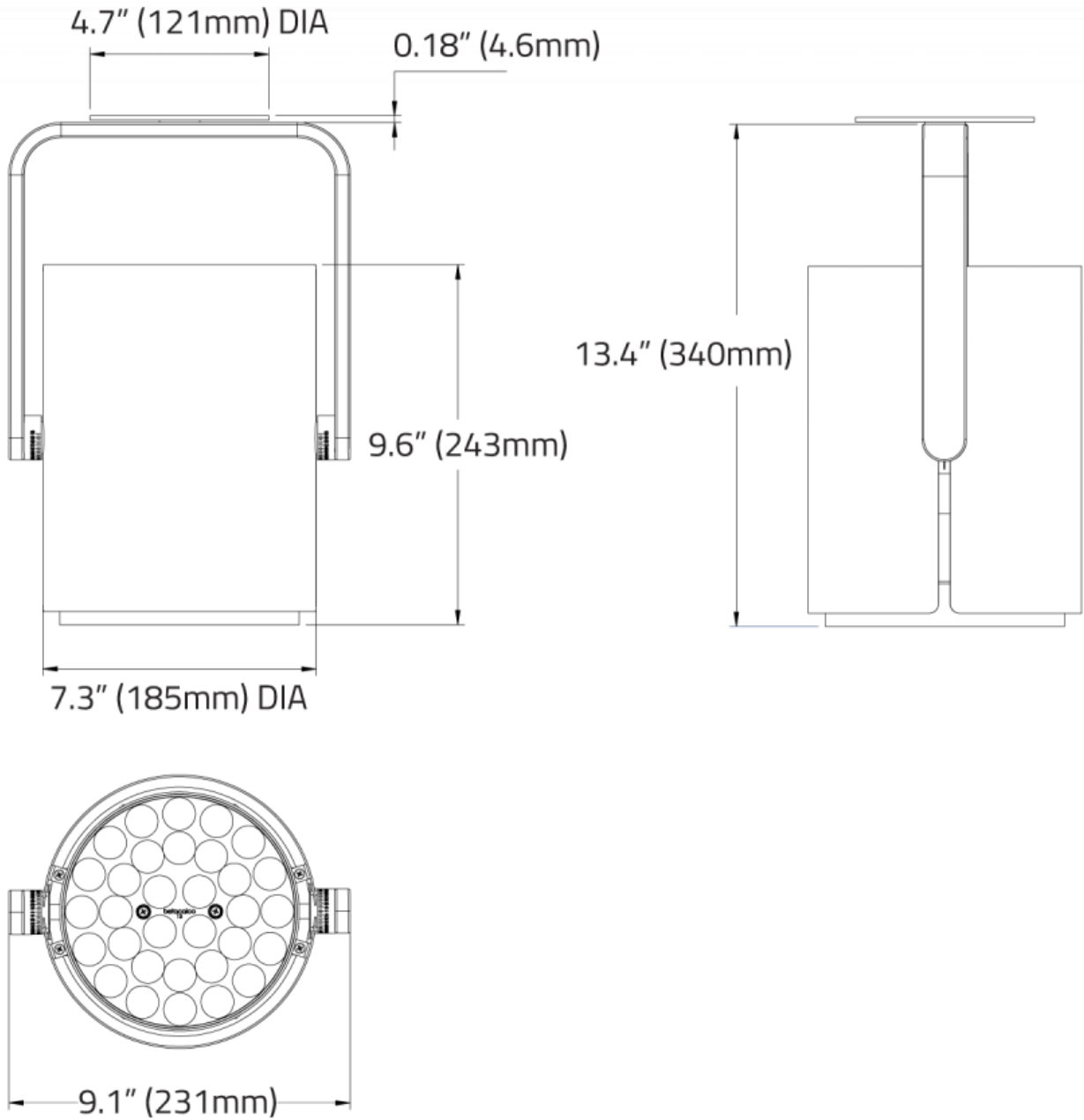
WATTS
19
41
65
93

LUMENS
2400
4800
7200
9600

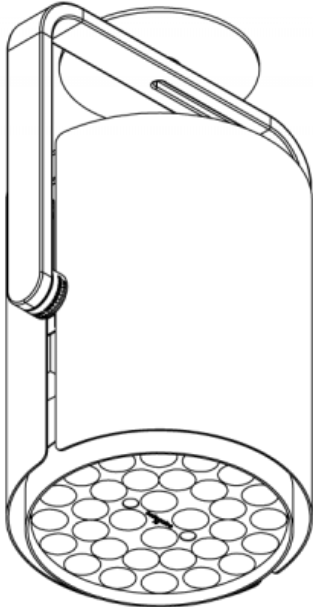
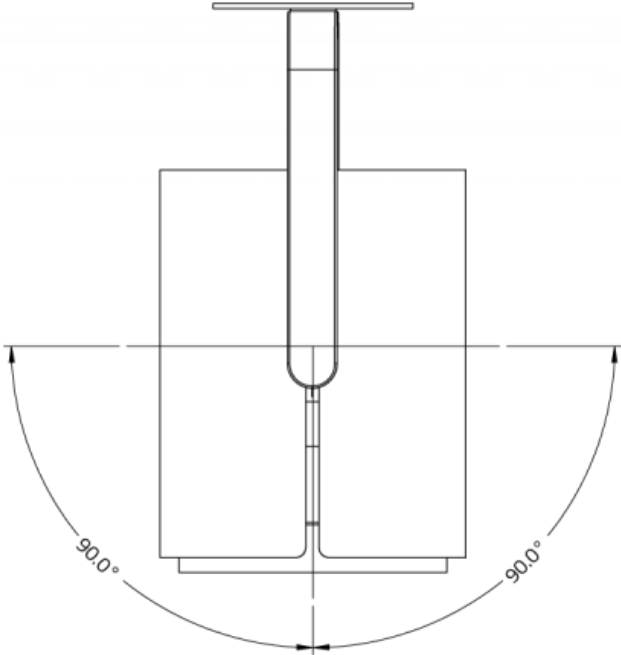
LPW
129
118
111
103

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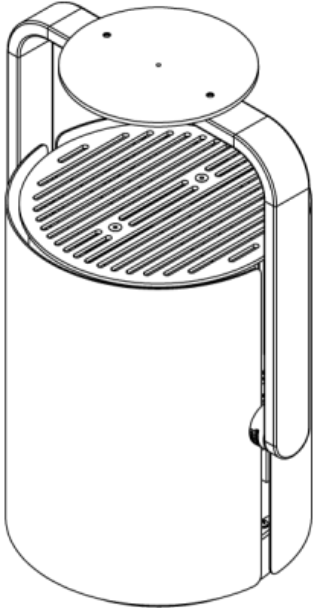
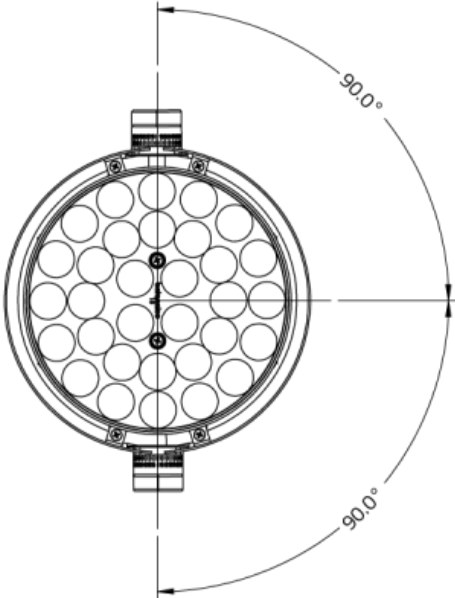
DIMENSIONAL DIAGRAMS



MATREX RD SINGLE™ - SURFACE



ISOMETRIC
BOTTOM VIEW

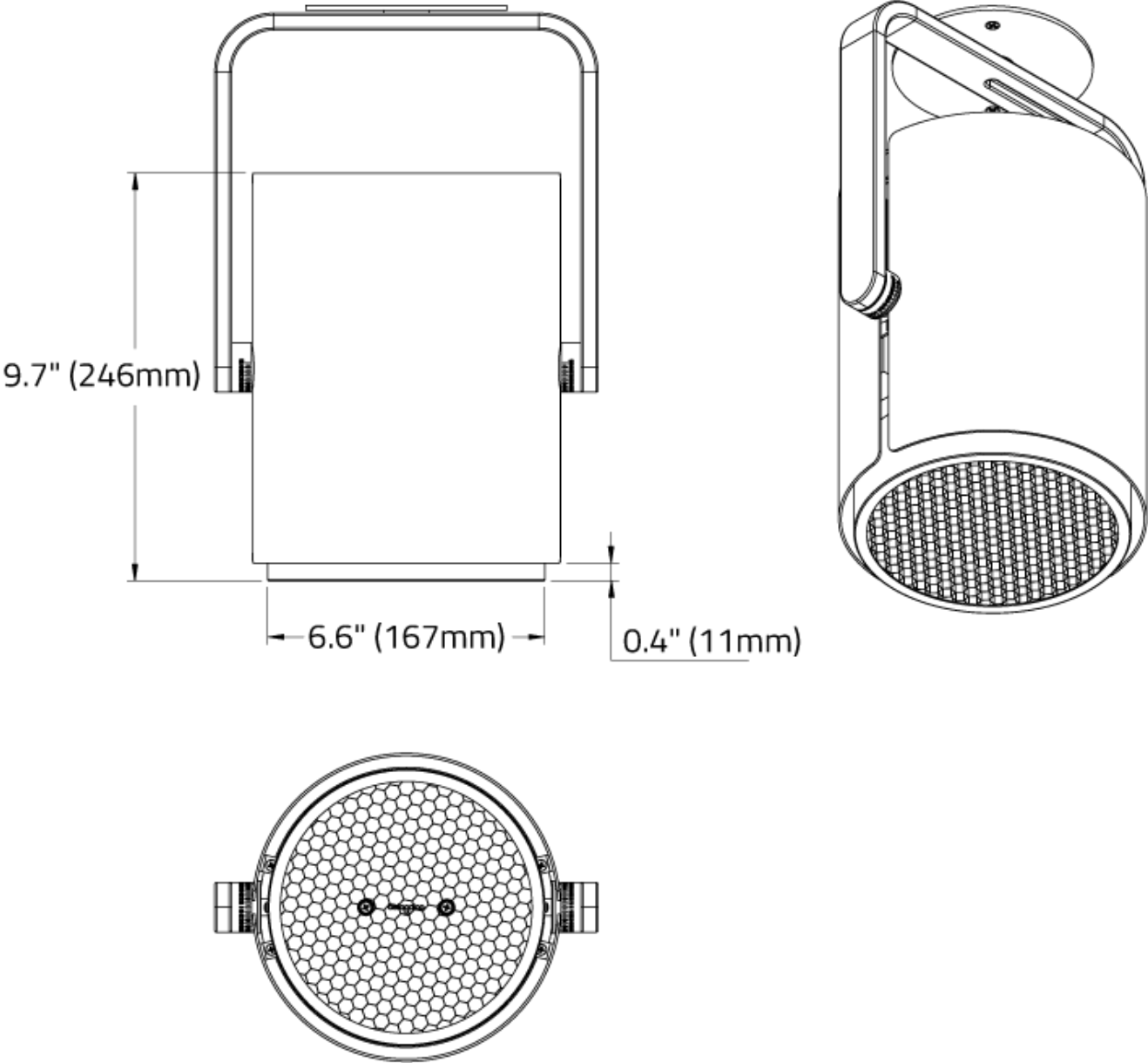


ISOMETRIC
TOP VIEW

MATREX RD SINGLE™ - SURFACE

LOUVRE

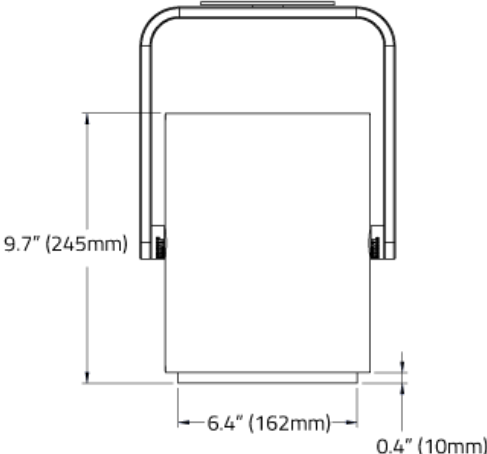
HEX CELL LOUVRE



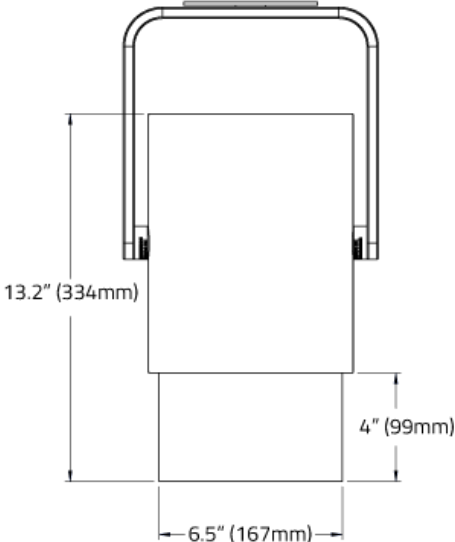
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SNOOTS

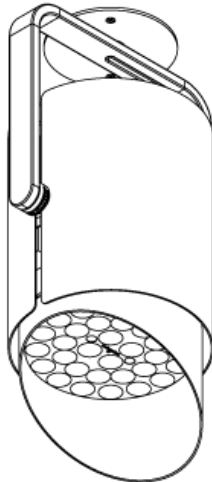
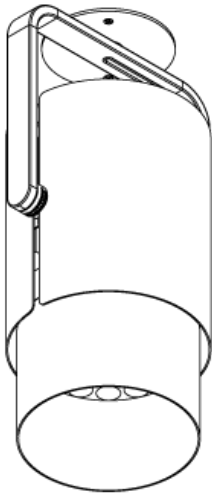
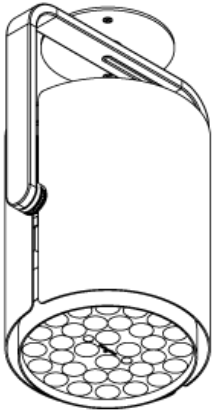
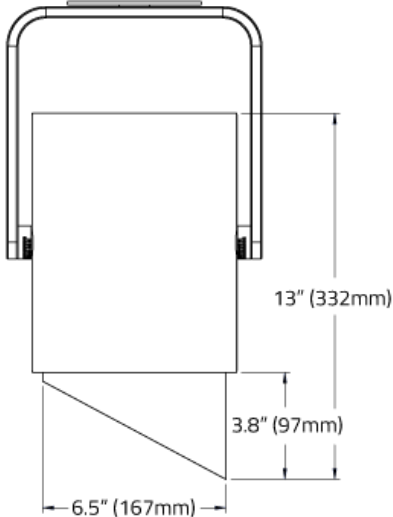
STANDARD SNOOT



LONG SNOOT



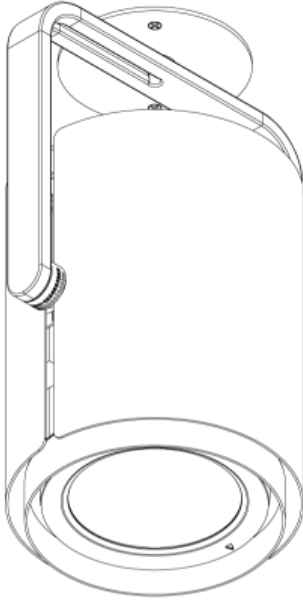
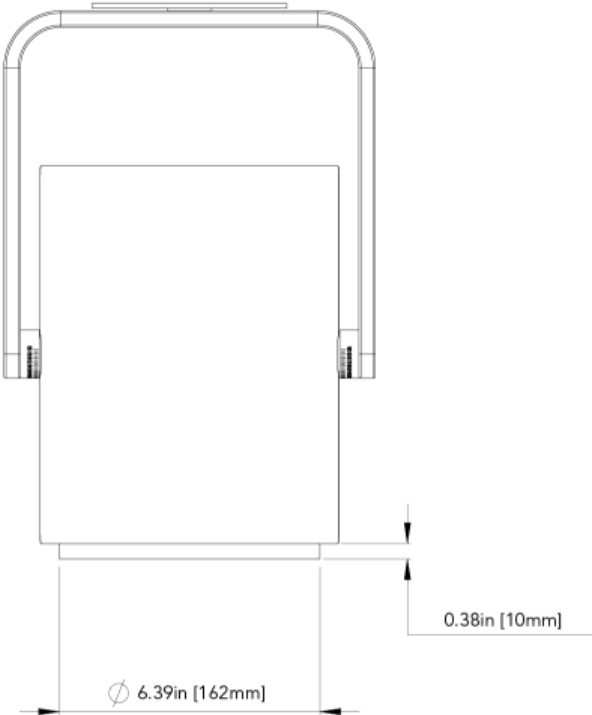
HALF SNOOT



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Matrex Round Surface - COB

Matrex RD Single - COB



Isometric View

