

# MATREX RD SINGLE™ - SURFACE

Project Name:

Fixture Type:

Fixture Code:

Quantities:



MATREX RD SINGLE™ - SURFACE



# MATREX RD SINGLE™ - SURFACE

**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.

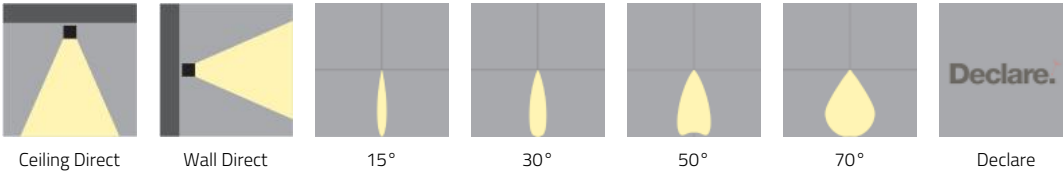
### Delivered lumens

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

### Designed by

Serge Cornelissen.

## MOUNTING & OPTICS



# MATREX RD SINGLE™ - SURFACE

## 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** 7500<sup>1</sup>

**LMA1000** 10050<sup>1</sup>

<sup>1</sup> Not available with COB / Reflector.

### C. CRI

**CR80** CRI 80+

**CR90** CRI 90+<sup>1</sup>

<sup>1</sup> Not available with COB / Reflector.

### D. CCT

**CTA27** 2700K<sup>1</sup>

**CTA30** 3000K

**CTA35** 3500K

**CTA40** 4000K

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

### E. BEAM ANGLE

**BA15** 15°<sup>1</sup>

**BA30** 30°<sup>1</sup>

**BA50** 50°

**BA70** 70°<sup>1</sup>

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

### F. VOLTAGE

**V1** 120/277V

**V2** 240V<sup>1</sup>

**V3** 347V<sup>2</sup>

<sup>1</sup> Not available in North America.

<sup>2</sup> Only available with DA01 dimming.

### G. DIMMING

**DA01** 0-10V Dimming 1.0%

**DA02** 0-10V Dimming 0.1%<sup>1</sup>

**DA20** DALI Dimming 0.1%<sup>1</sup>

**DA21** DALI Dimming 1.0%<sup>1</sup>

**DA30** DSI/switchDim<sup>1 2</sup>

<sup>1</sup> Not available with V3.

<sup>2</sup> 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



# MATREX RD SINGLE™ - SURFACE

## I. SNOOTS AND LOUVER

**NT1** Standard Snoot - Black <sup>1</sup>

**NT2** Standard Snoot - White <sup>1</sup>

**NT3** Long Snoot - Black <sup>1 2</sup>

**NT4** Long Snoot - White <sup>1 2</sup>

**NT5** Half Snoot - Black <sup>1 2</sup>

**NT6** Half Snoot - White <sup>1 2</sup>

**NT9** Hex Louver - Black <sup>2 3</sup>

---

Consult IES files for exact beam angle and delivered lumens.

For COB/Reflector, the bezel finish matches the snoot finish.

<sup>1</sup> A snoot must be picked at time of order, if you are not ordering a louver.

<sup>2</sup> Not available with COB / Reflector.

<sup>3</sup> Not available with BA70 beam angle.

## J. EMERGENCY

**E0** Emergency system not required

**E2** Emergency system - Remote <sup>1</sup>

---

<sup>1</sup> Not available with V3. Integral not available.



# MATREX RD SINGLE™ - SURFACE

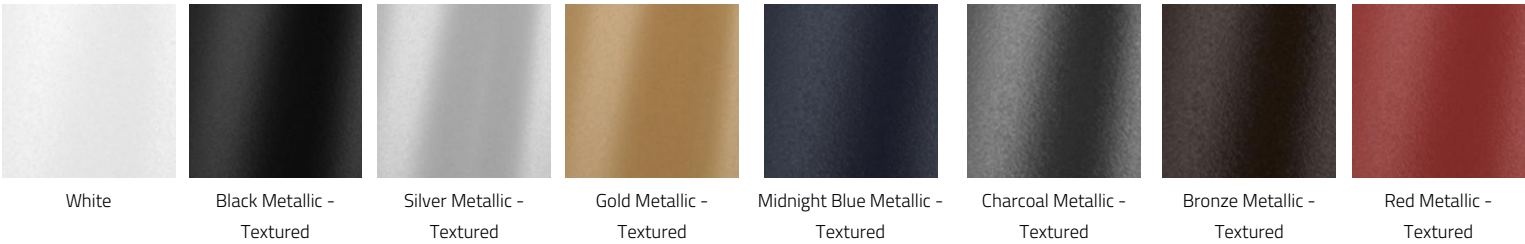
## TECHNICAL DATA

### 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



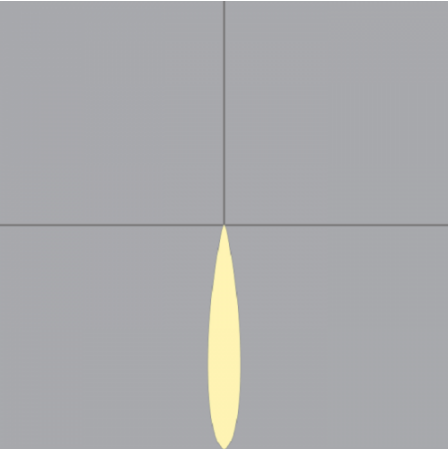
## APPROVALS



# MATREX RD SINGLE™ - SURFACE

## PERFORMANCE DATA

### DIRECT 15° BEAM ANGLE

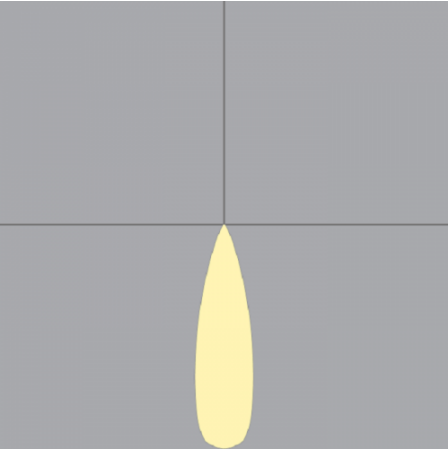


WATTS
19
41
65
93

LUMENS
2500
4900
7400
10000

LPW
132
121
114
106

### DIRECT 30° BEAM ANGLE

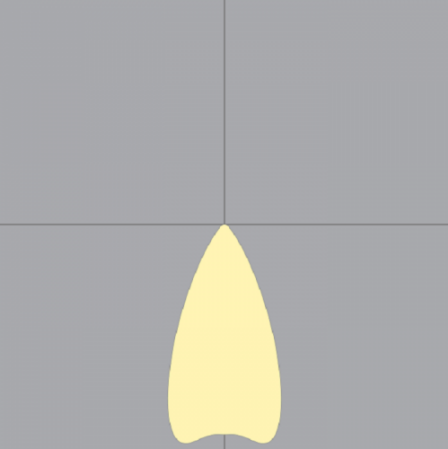


WATTS
19
41
65
93

LUMENS
2500
5025
7500
10050

LPW
135
124
116
108

### DIRECT 50° BEAM ANGLE



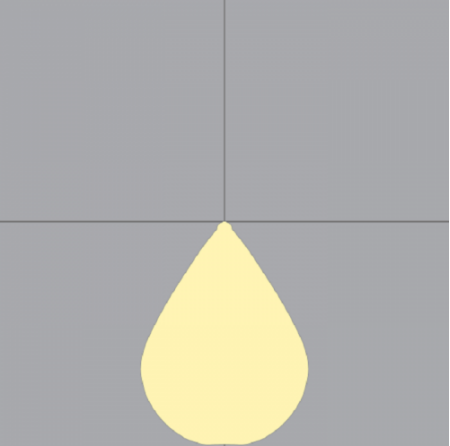
WATTS
19
41
65
93

LUMENS
2400
4800
7100
9500

LPW
128
117
110
102

# MATREX RD SINGLE™ - SURFACE

DIRECT 70° BEAM ANGLE



WATTS
19
41
65
93

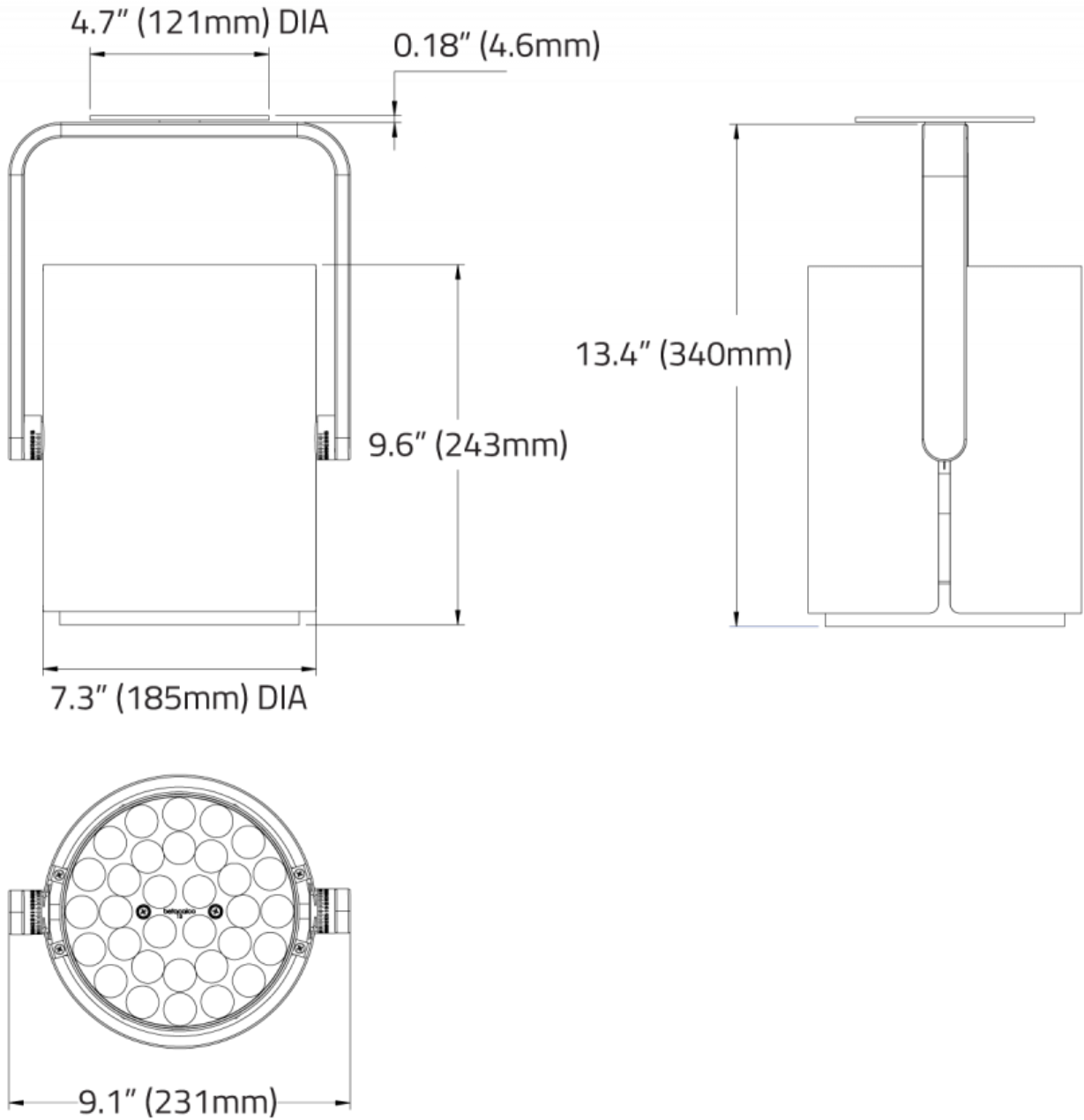
LUMENS
2400
4800
7200
9600

LPW
129
118
111
103

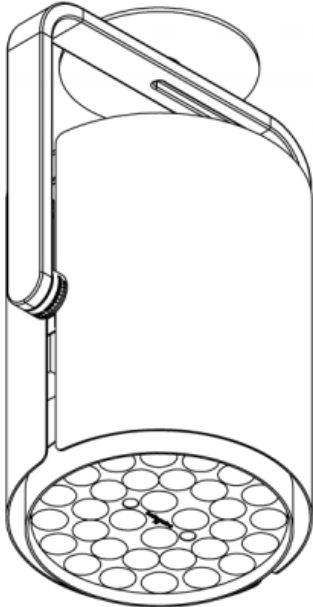
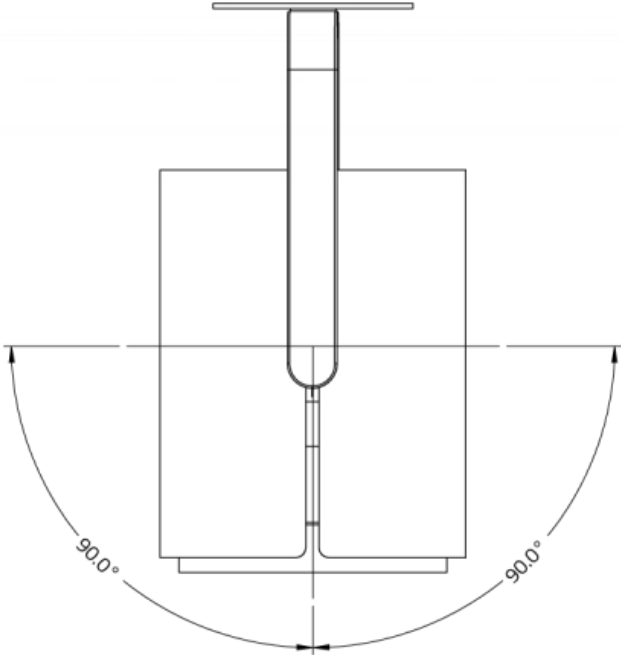


# MATREX RD SINGLE™ - SURFACE

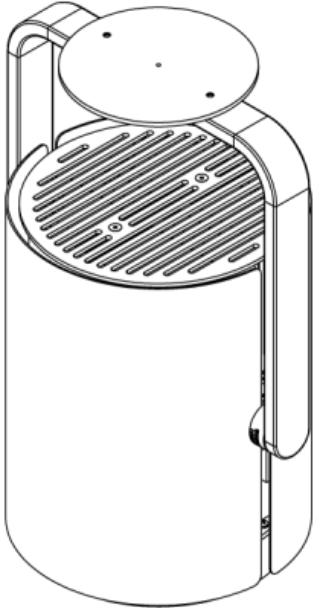
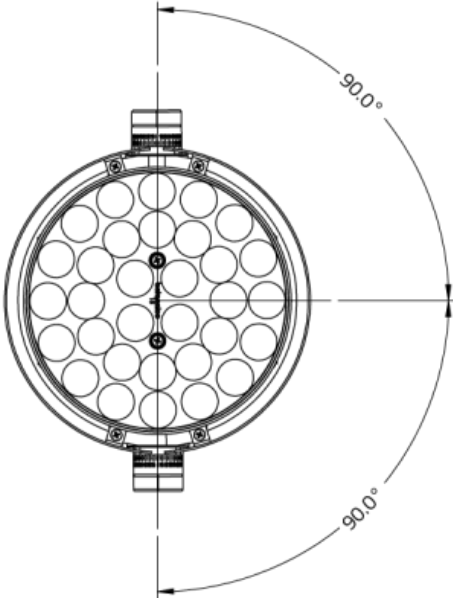
## DIMENSIONAL DIAGRAMS



**MATREX RD SINGLE™ - SURFACE**



ISOMETRIC  
BOTTOM VIEW

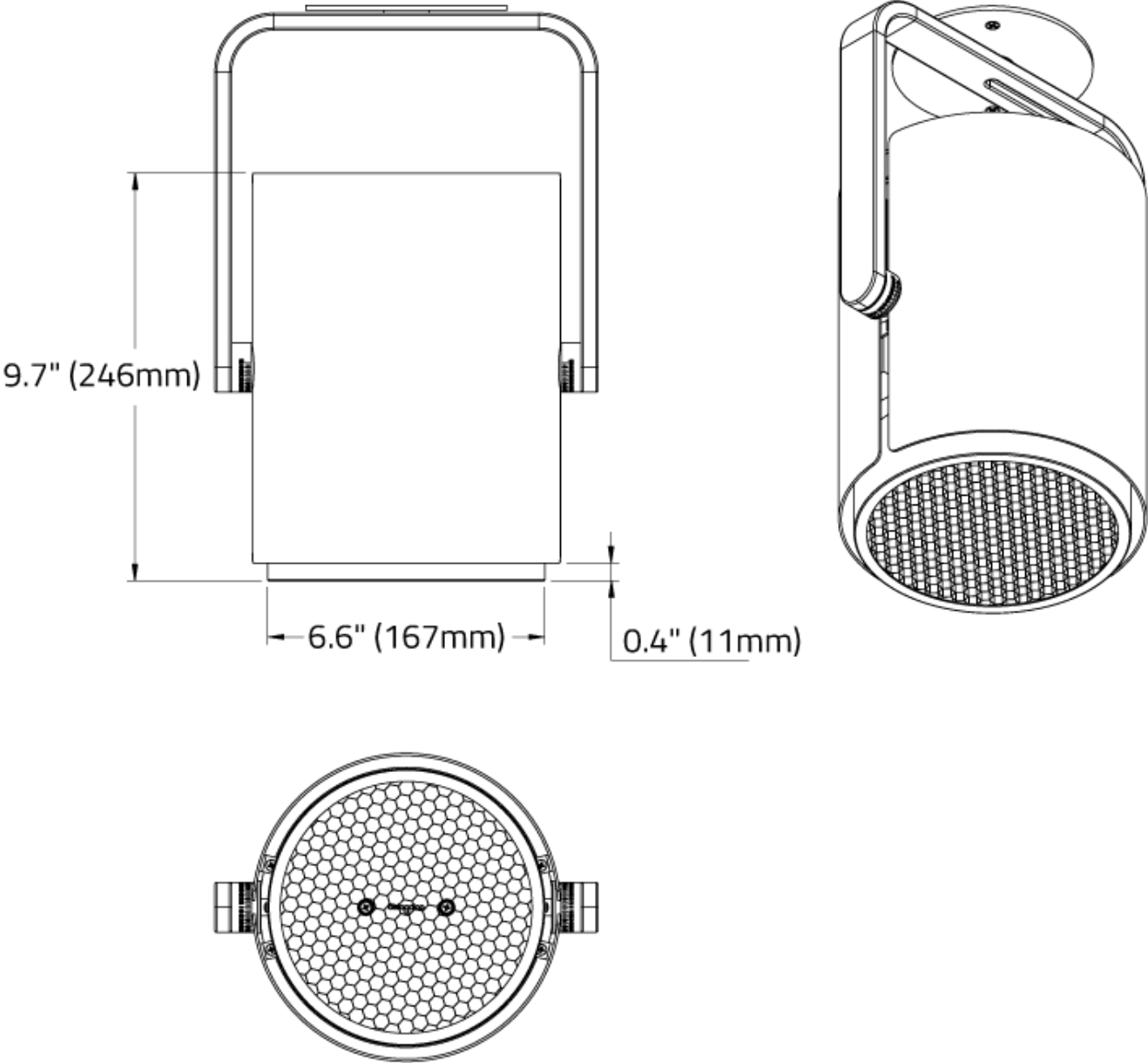


ISOMETRIC  
TOP VIEW

**MATREX RD SINGLE™ - SURFACE**

LOUVRE

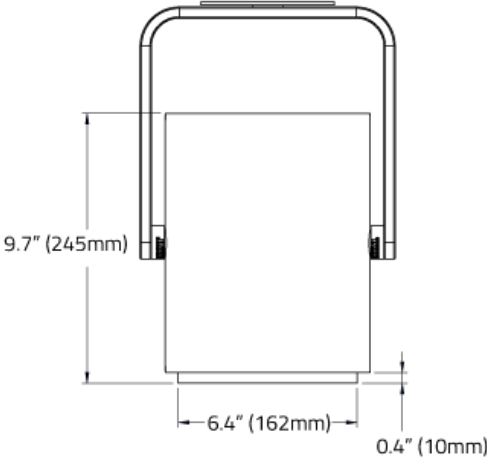
**HEX CELL LOUVRE**



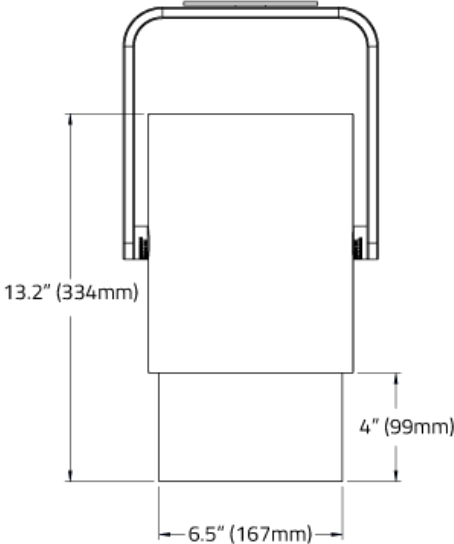
# MATREX RD SINGLE™ - SURFACE

SNOOTS

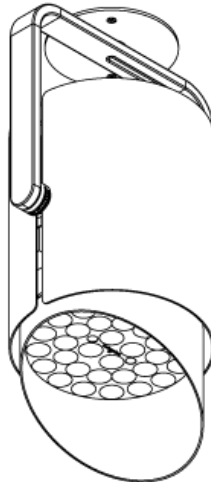
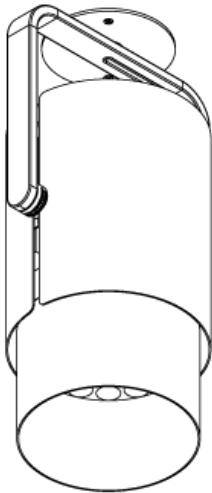
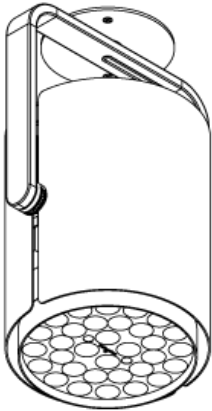
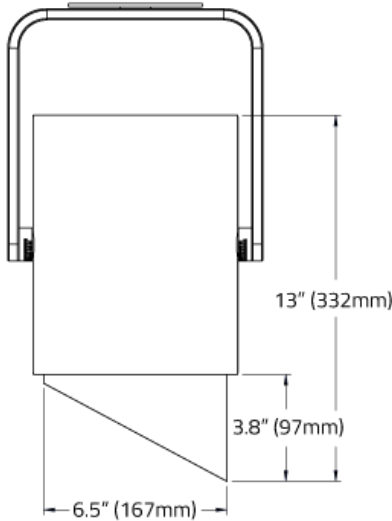
### STANDARD SNOOT



### LONG SNOOT



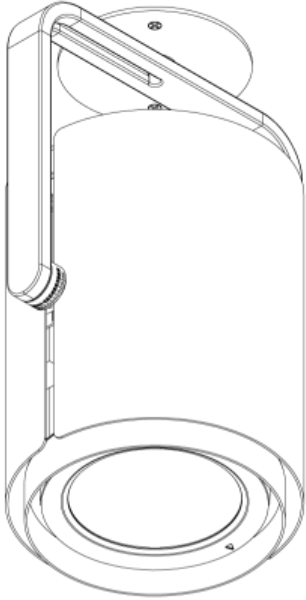
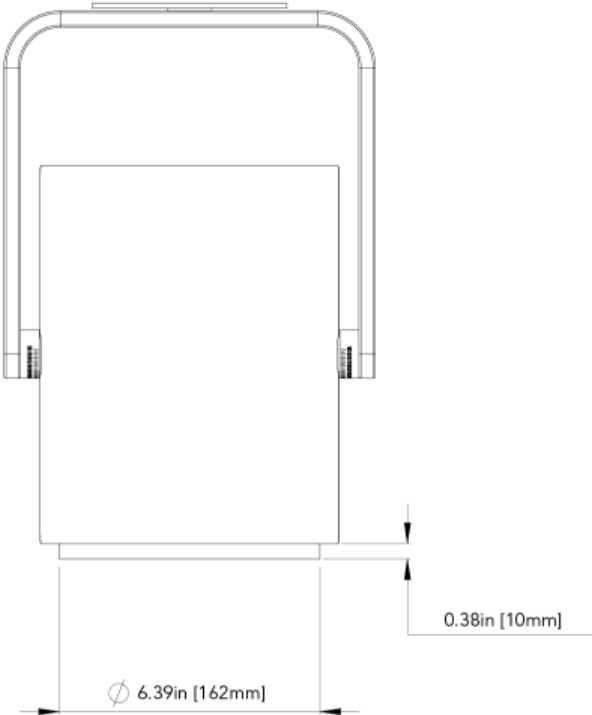
### HALF SNOOT



# MATREX RD SINGLE™ - SURFACE

Matrex Round Surface - COB

## Matrex RD Single - COB



Isometric View

