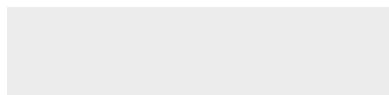


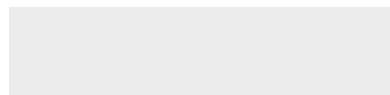


MATREX RD DUAL™

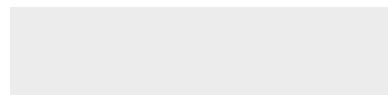
FULL SPECIFICATION SHEET



Fixture Type



Fixture Code

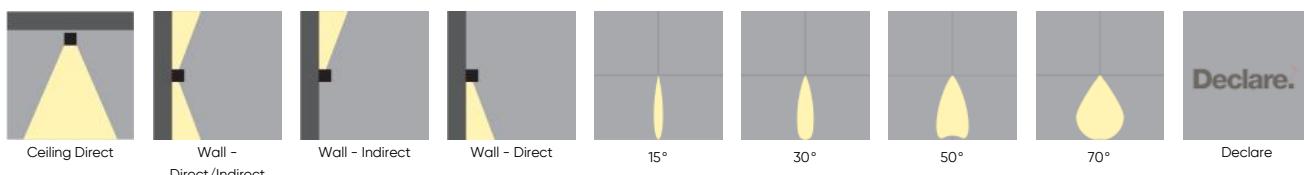


Quantities

1 DESCRIPTION

MATREX Surface brings more mounting flexibility and fixture adjustability to the **MATREX** family, lauded for its compact form factor, unique mounting system, and high lumen output with optics designed for precision. **MATREX** is ideally suited for spaces with multiple ceiling heights, such as atriums. 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.

REPORTED L70 @25°C (77°F)

> 60,000 hrs.

MECHANICAL

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

DELIVERED LUMENS

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

APPROVALS

Damp Rated.

ESTIMATED L70 @25°C (77°F)

>171,000 hrs.

DESIGNED BY

Serge Cornelissen.

5 DESIGN OPTIONS**FINISH - FIXTURE****6 HOW TO ORDER****1. LUMINAIRE**

MRDF1P01 Direct, LEDs / Multi-
Array Optics, 20100 lms

MRDF1P02 Direct, COB /
Reflector, 10050 lms

All data shown at max output and nominal values.

2. LUMENS (HEAD A)

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. LUMENS (HEAD B)

LMB0250 2500 **LMB0500** 5025 **LMB0750** 7500 ¹ **LMB1000** 10050 ¹

¹ Not available with COB / Reflector.

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

4. CRI

CR80 CRI 80+ **CR90** CRI 90+ ¹

¹ Not available with COB / Reflector.

5. CCT

CTA27 2700K ¹ **CTA30** 3000K **CTA35** 3500K **CTA40** 4000K

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

6. BEAM ANGLE (HEAD A)

BA15 15° ¹ **BA30** 30° ¹ **BA50** 50° **BA70** 70° ¹

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

7. BEAM ANGLE (HEAD B)

BB15 15° ¹ **BB30** 30° ¹ **BB50** 50° **BB70** 70° ¹

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

8. VOLTAGE

V1 120/277V

V2 240V¹

V3 347V²

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

9. 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.

10. 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

11. SNOOTS AND LOUVER (HEAD A)

NT1 Standard Snoot - Black¹

NT2 Standard Snoot - White¹

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.

12. SNOOTS AND LOUVER (HEAD B)

NU1 Standard Snoot - Black¹

NU2 Standard Snoot - White¹

NU3 Long Snoot - Black^{1,2}

NU4 Long Snoot - White^{1,2}

NU5 Half Snoot - Black^{1,2}

NU6 Half Snoot - White^{1,2}

NU9 Hex Louver - Black^{2,3}

For precise beam angle and lumen output, please refer to the IES files. Note that using snoots 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 BB70 beam angle.

13. EMERGENCY

E0 Emergency system not required

E2 Emergency system - Remote ¹

¹ Remote emergency in the lower module only. Not available with V3. Integral is not available.

14. SEPARATE SWITCHING

CS1 Single circuit

CS2 Separate switching

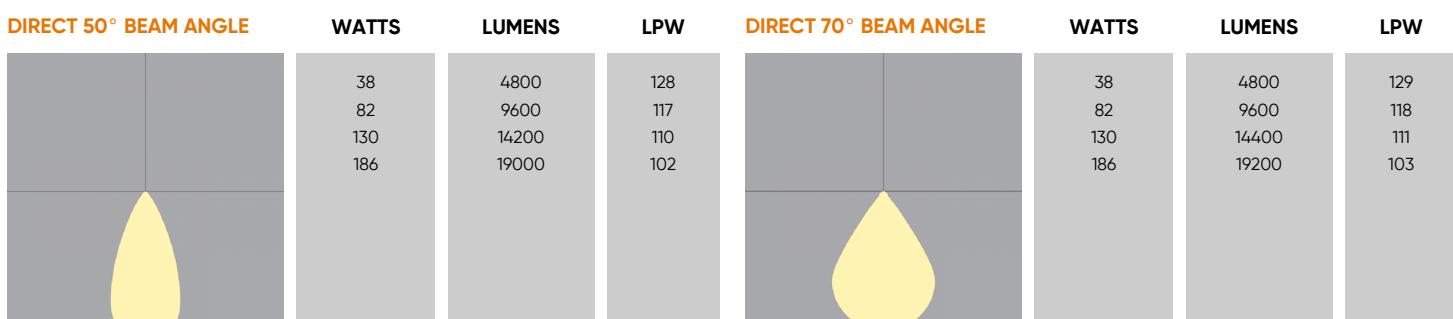
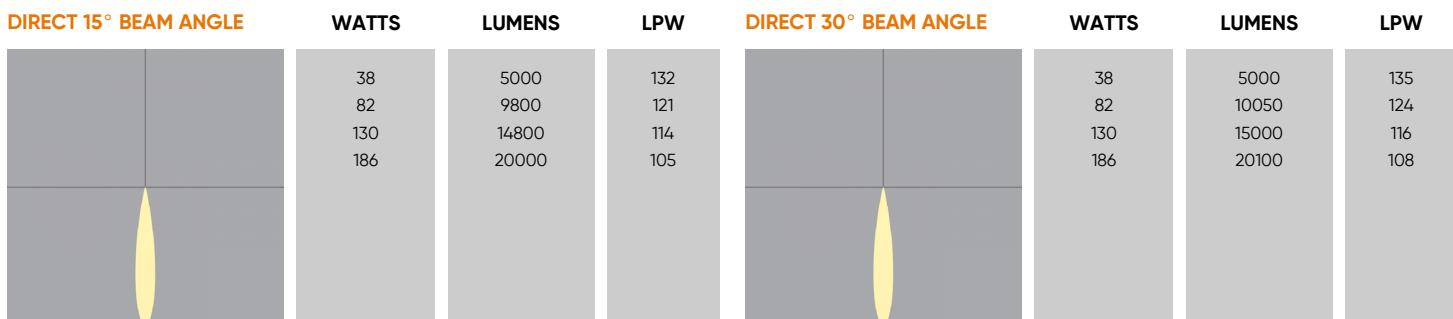
7 TECHNICAL DATA

LUMINAIRE

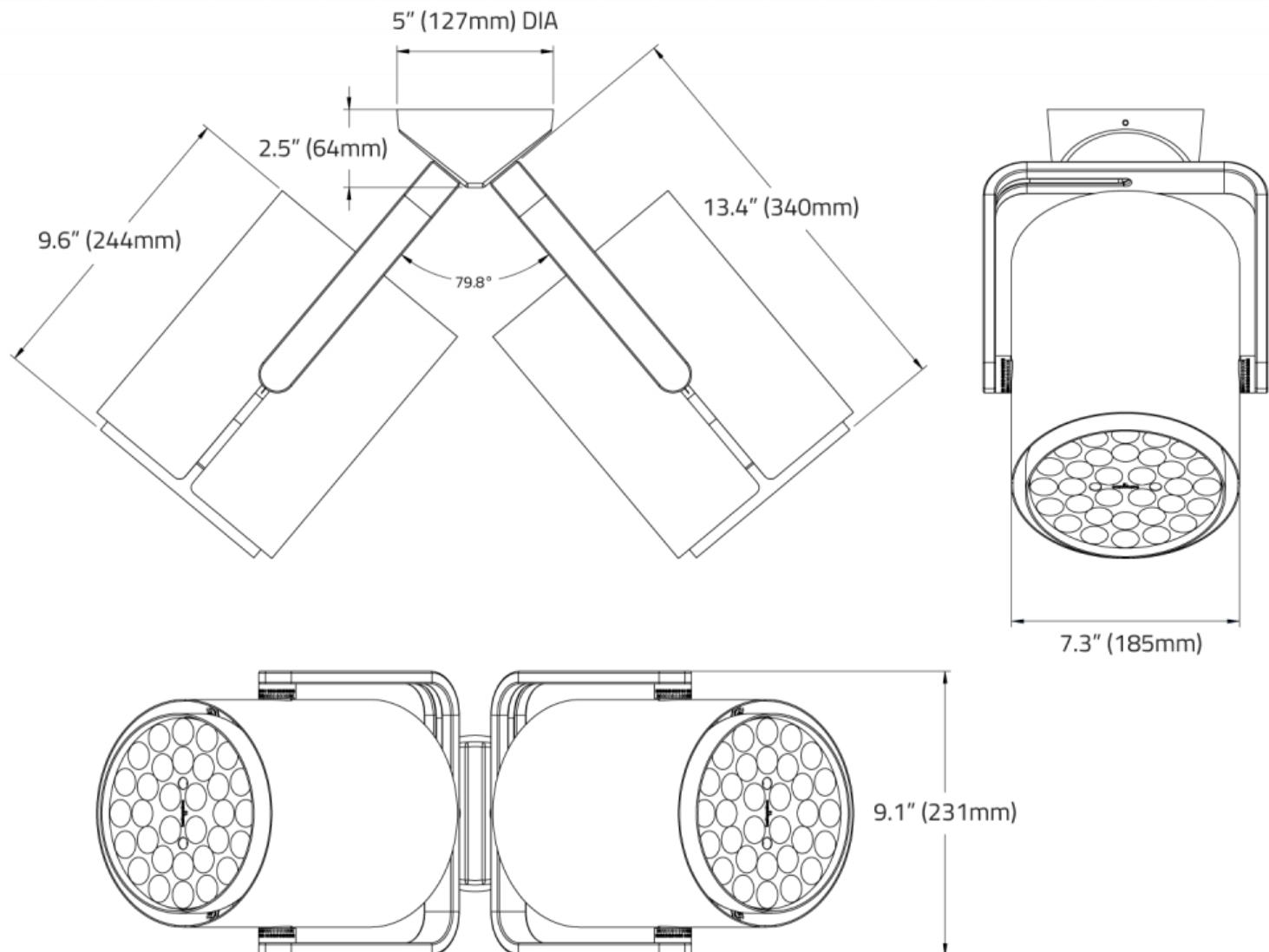
All data shown at max output and nominal values.

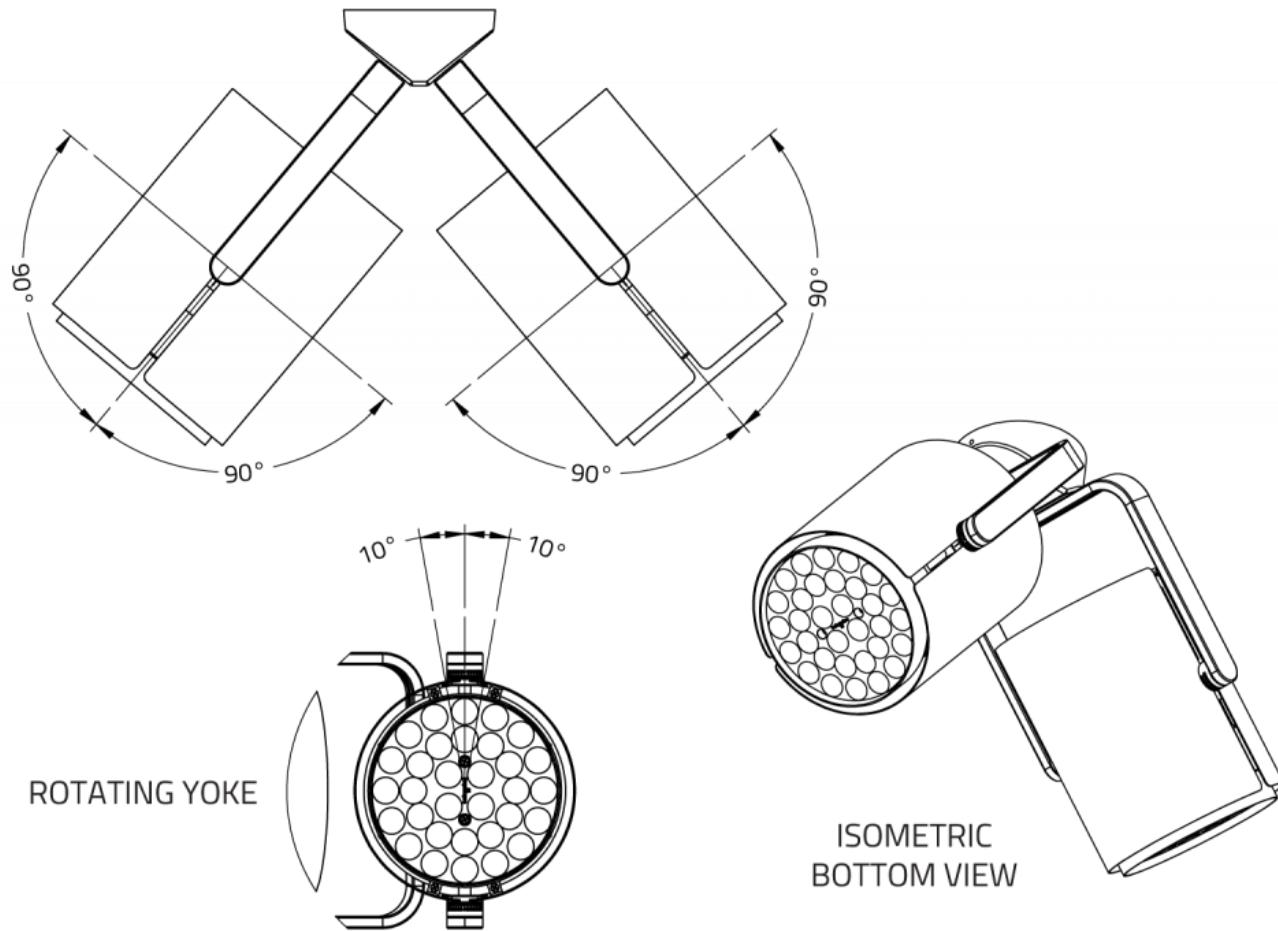
Code	MRDF1P01	MRDF1P02
Light Direction	Direct	Direct
Wattage	186W	88W
Delivered lms	20100	10050
LPW	124	111

8 PERFORMANCE DATA



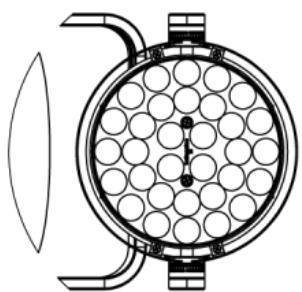
9 DIMENSIONAL DIAGRAMS





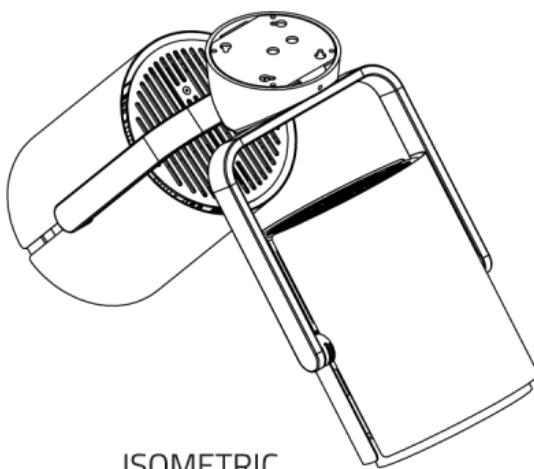
VIEW M=NORMAL TO YOKE

FIXED YOKE



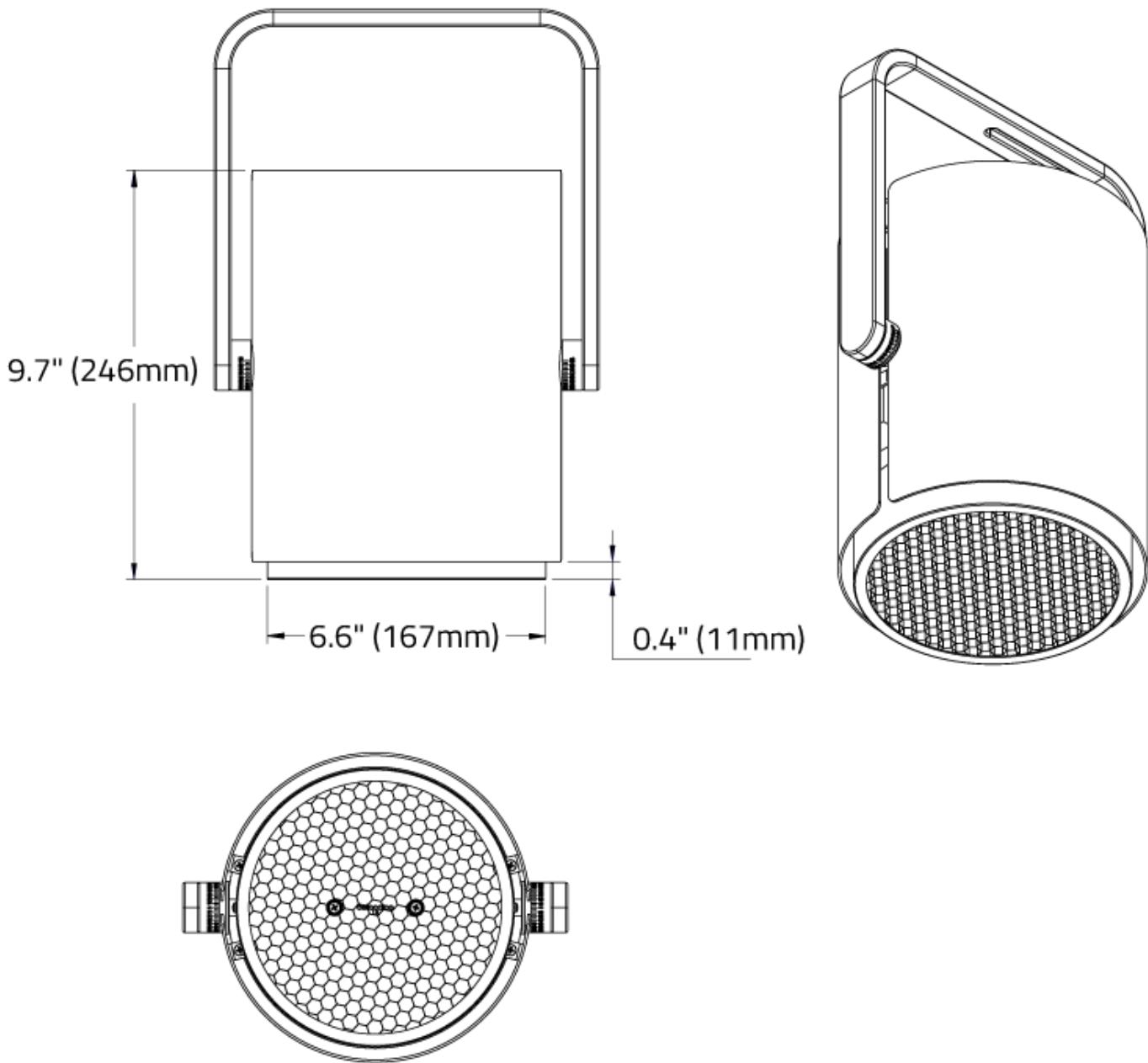
VIEW NORMAL TO YOKE

ISOMETRIC
TOP VIEW



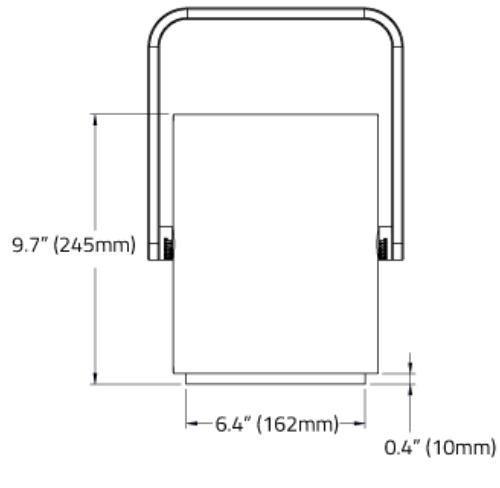
LOUVRE

HEX CELL LOUVRE

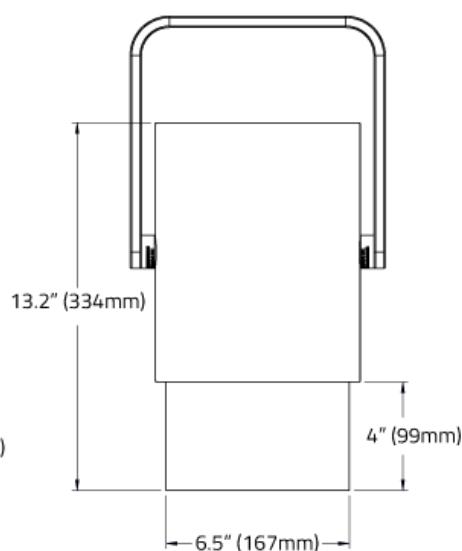


SNOOTS

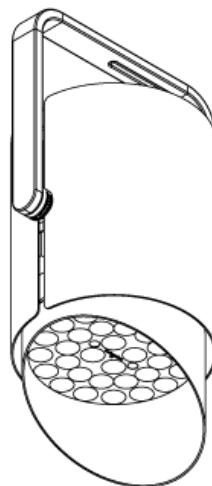
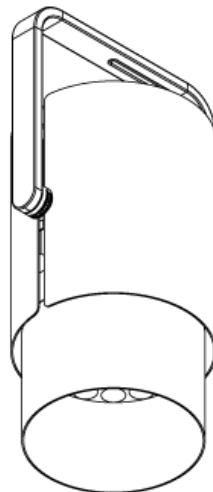
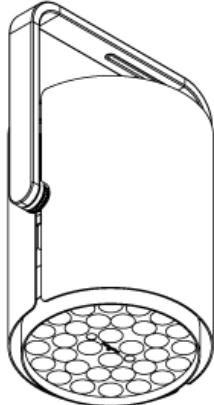
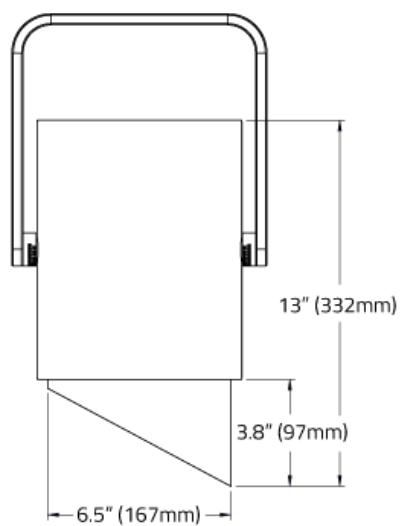
STANDARD SNOOT



LONG SNOOT



HALF SNOOT



Matrex Round Dual Surface - COB

Matrex RD Dual Surface- COB

