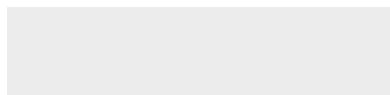


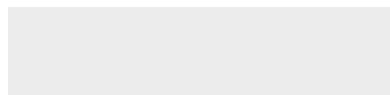


MATREX RD DUAL™

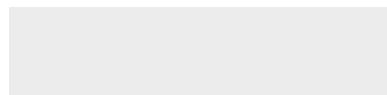
FULL SPECIFICATION SHEET



Fixture Type



Fixture Code

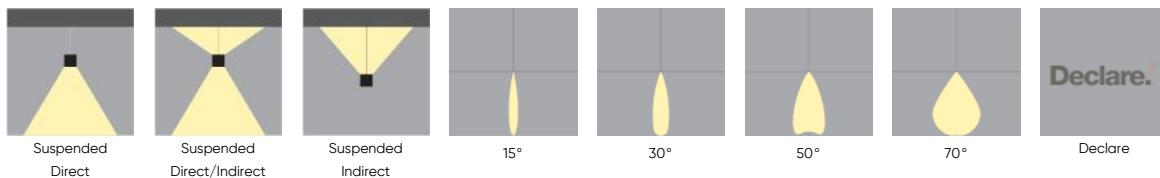


Quantities

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. Suspension points originate from the sides allowing for unobstructed uplight. 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.

SUSPENSION

Steel cables.

INTEGRAL EMERGENCY SYSTEM (EU ONLY)

Emergency option provides a 3 hour emergency lighting facility. Integral emergency EU luminaires have a 13.4" (340mm) x 2.3" (58mm) canopy with LED charge indicator.

MECHANICAL

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

DELIVERED LUMENS

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

REPORTED L70 @25°C (77°F)

> 60,000 hrs.

DESIGNED BY

Serge Cornelissen.

POWER CABLE

Silver braided.

DRIVERS

HPF, electronic, 120-277V, 347V (EU-240V). The driver is integral to the fixture housing except when ordering emergency, then the driver is integral to the canopy.

SENSORS

Consult factory regarding sensor compatibility.

APPROVALS

Damp Rated.

ESTIMATED L70 @25°C (77°F)

> 171,000 hrs.

5 DESIGN OPTIONS**FINISH - FIXTURE****FINISH - CANOPY**

6 HOW TO ORDER**1. LUMINAIRE**

MRDP1P01 Double Down, LEDs / Multi-Array Optics, 20100 lms	MRDP2P01 Direct/Indirect, LEDs / Multi-Array Optics, 20100 lms	MRDP3P01 Double Up, LEDs / Multi-Array Optics, 20100 lms	MRDP1P02 Double Down, COB / Reflector, 10050 lms
MRDP2P02 Direct/Indirect, COB / Reflector, 10050 lms	MRDP3P02 Double Up, COB / Reflector, 10050 lms		

All data shown at max output and nominal values.

2. LUMENS (UPPER MODULE)

LMA0250 2500	LMA0500 5025	LMA0750 7500 ¹	LMA1000 10050 ¹
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¹ Not available with COB / Reflector.

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

3. LUMENS (LOWER MODULE)

LMB0250 2500	LMB0500 5025	LMB0750 7500 ¹	LMB1000 10050 ¹
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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
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¹ Not available with COB / Reflector.

5. CCT

CTA27 2700K ¹	CTA30 3000K	CTA35 3500K	CTA40 4000K
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¹ 2700K is only available with CRI 80+ and LEDs / Multi-Array Optics.

6. BEAM ANGLE (UPPER MODULE)

BA15 15° ¹	BA30 30° ¹	BA50 50°	BA70 70° ¹
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¹ 15°, 30°, and 70° are not available with COB / Reflector.

7. BEAM ANGLE (LOWER MODULE)

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** 240V ¹**V3** 347V ²

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}**DA40** DMX Dimming ^{1 3}

¹ Not available with 347V. ² Not available in North America. ³ Only available with CN4 canopy.

10. FIXTURE 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. CANOPY

CN1 Canopy A ¹**CN2** Canopy B ¹**CN3** Canopy C ^{1 2}**CN4** Canopy D ^{1 3}

¹ Fits over a standard j-box (provided by others). ² Use with V2 (240V) only. ³ Ordered with E1 (Emergency Integral) or DA40 (DMX Dimming).

12. CANOPY FINISH

CF01 White**CF02** Black Metallic - Textured**CF20** Silver Metallic - Textured**CF25** Gold Metallic - Textured**CF44** Midnight Blue Metallic -
Textured**CF46** Charcoal Metallic -
Textured**CF47** Bronze Metallic - Textured**CF53** Red Metallic - Textured

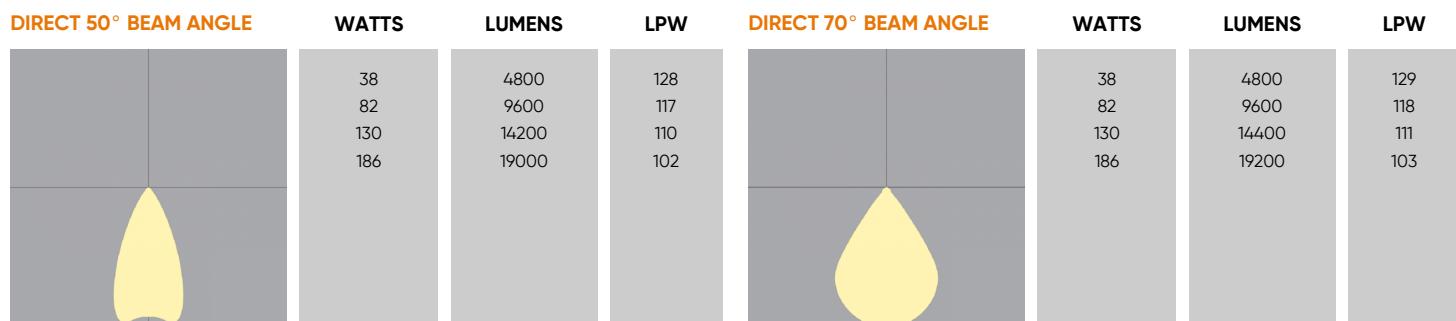
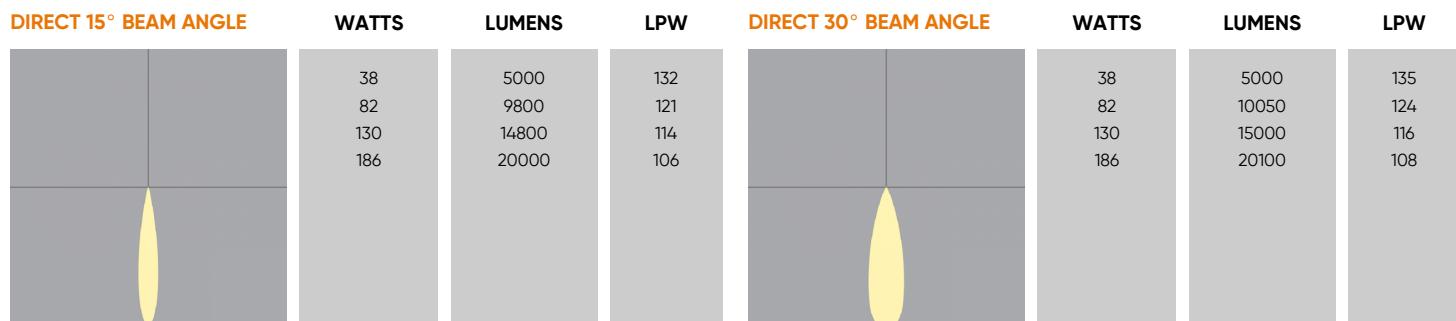
7 TECHNICAL DATA

LUMINAIRE

All data shown at max output and nominal values.

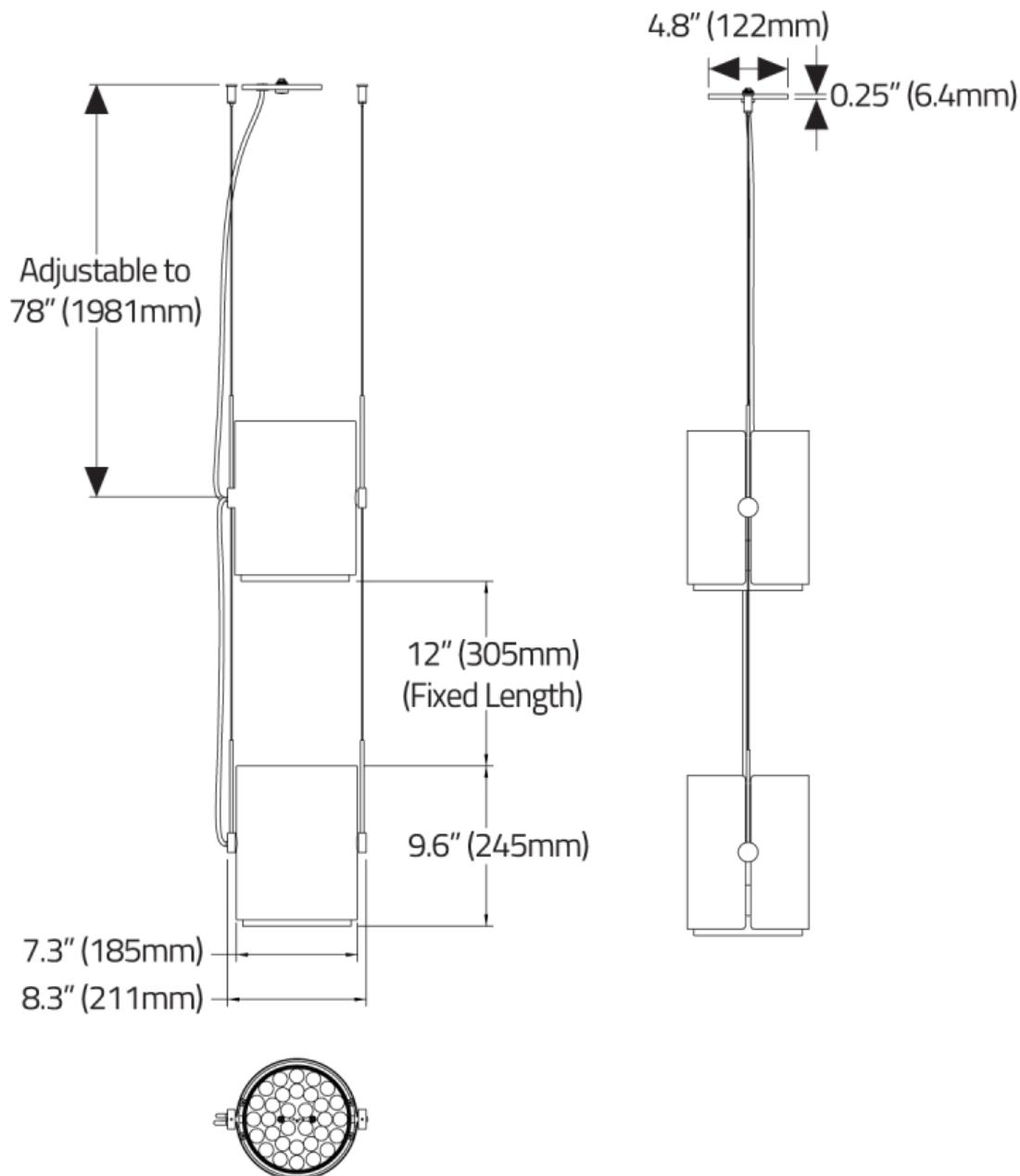
Code	MRDP1P01	MRDP2P01	MRDP3P01	MRDP1P02	MRDP2P02	MRDP3P02
Light Direction	Double Down	Direct/Indirect	Double Up	Double Down	Direct/Indirect	Double Up
Max Wattage	186W	186W	186W	88W	88W	88W
Max Delivered lms	20100	20100	20100	10050	10050	10050
Max LPW	124	124	124	111	111	111

8 PERFORMANCE DATA

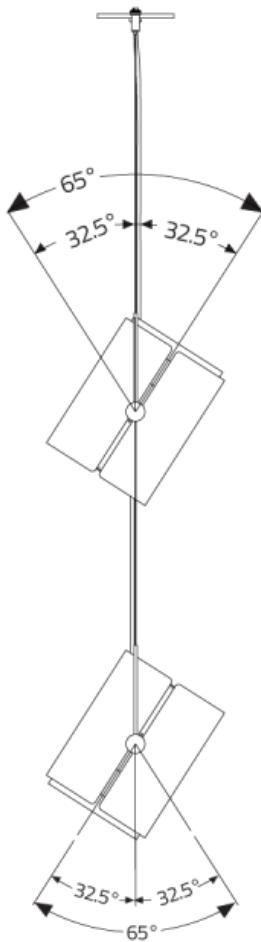


9 DIMENSIONAL DIAGRAMS

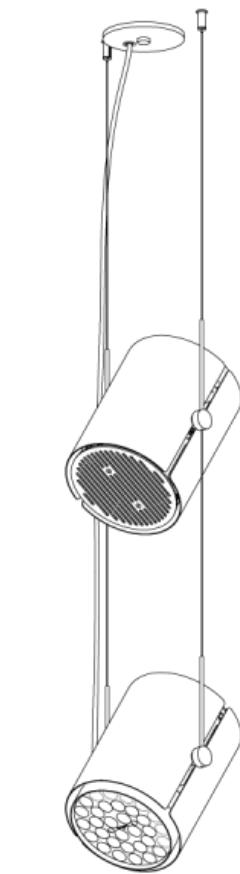
Fixture Profile



DIRECT/INDIRECT

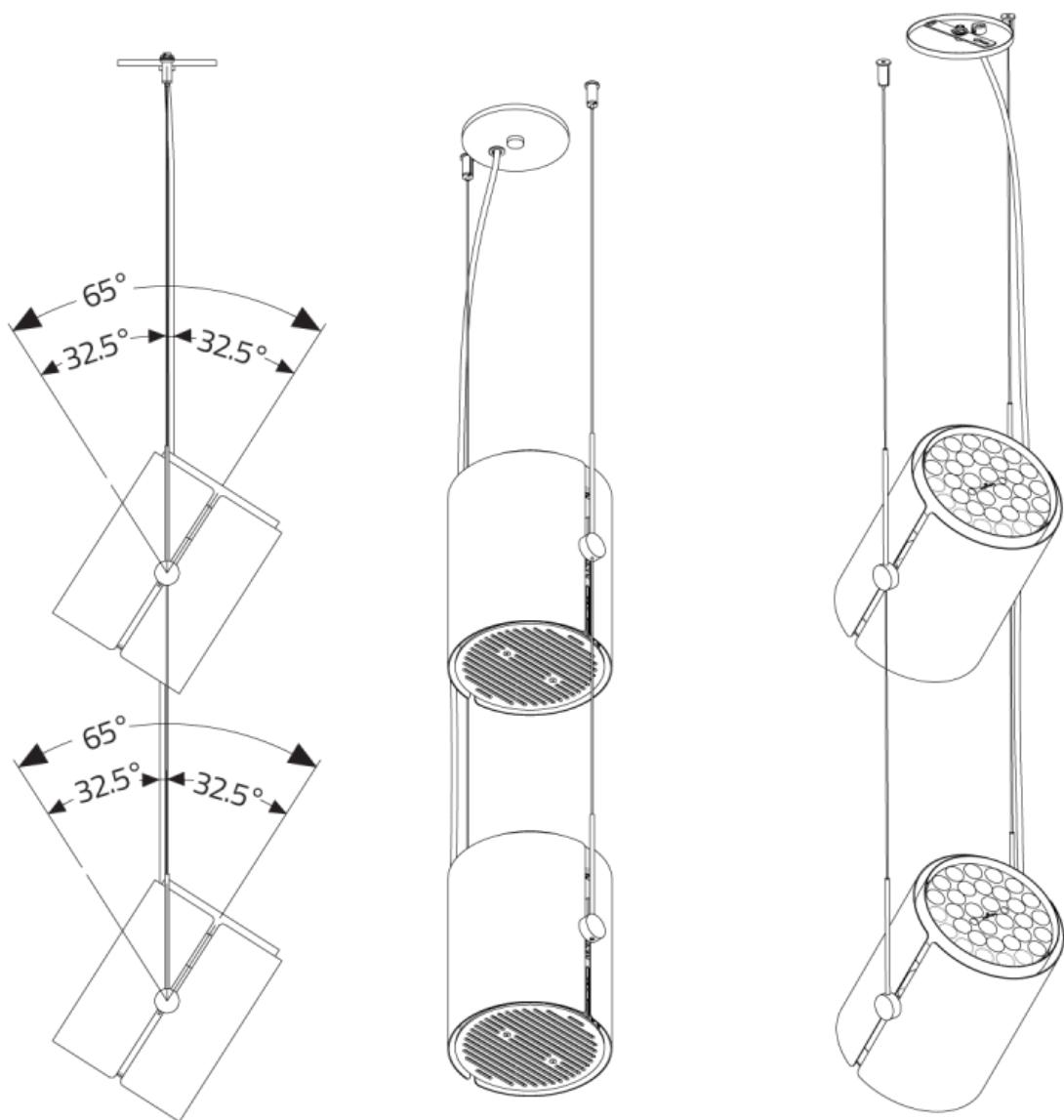


ISOMETRIC BOTTOM VIEW
(STRAIGHT)



ISOMETRIC VIEW
(ANGLED)

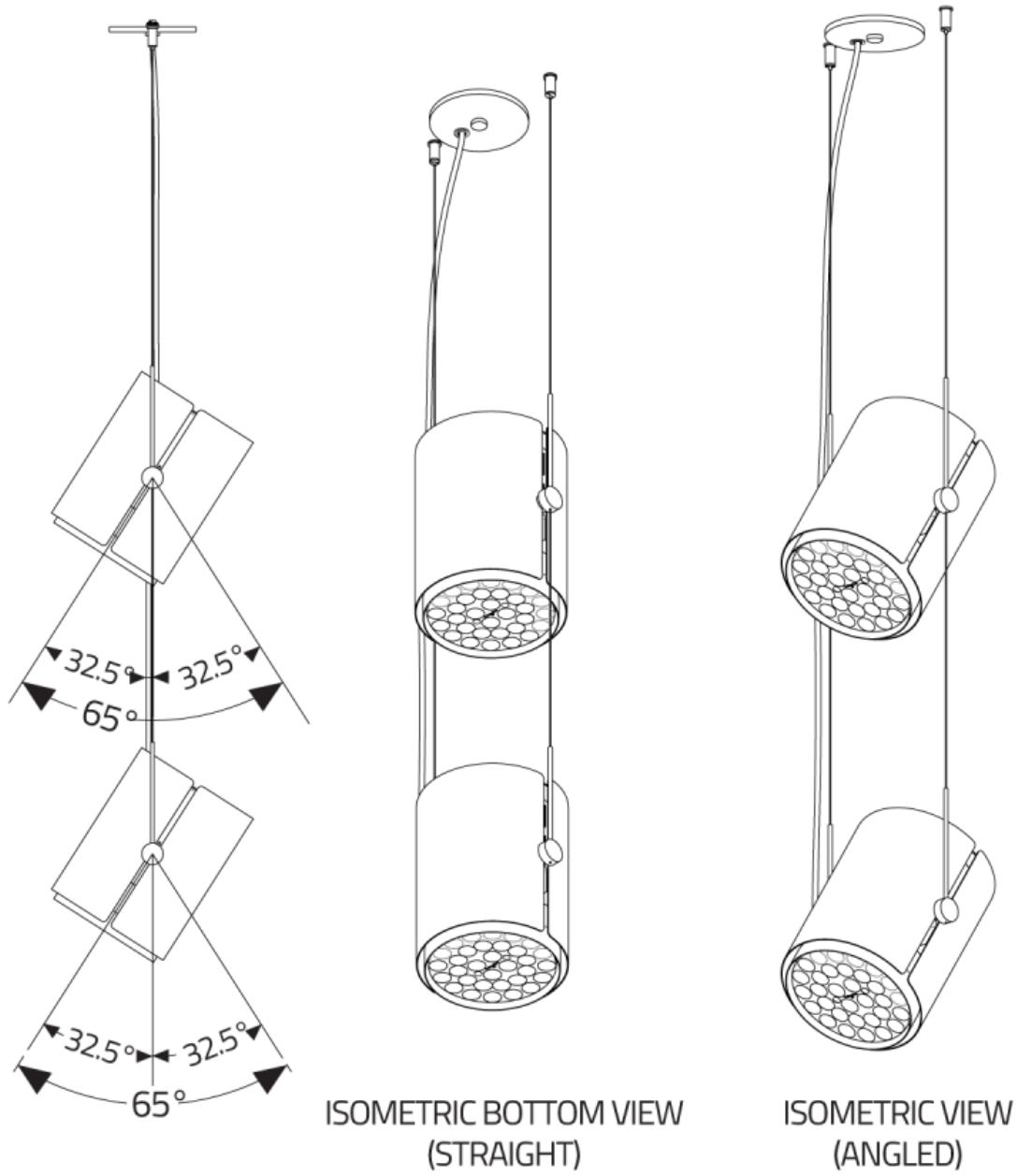
DOUBLE UP



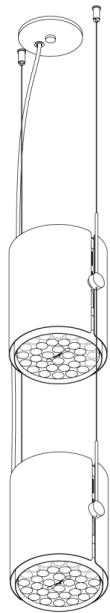
ISOMETRIC BOTTOM VIEW
(STRAIGHT)

ISOMETRIC VIEW
(ANGLED)

DOUBLE DOWN



SEPARATE SWITCHING (CS1, CS2)



SINGLE SWITCHING

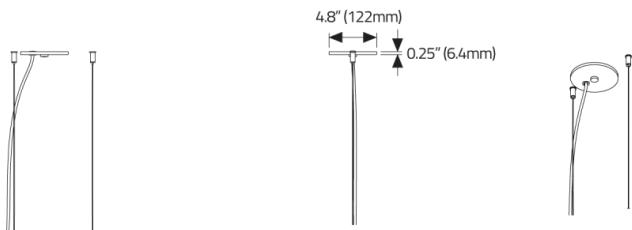


SEPARATE SWITCHING
(Two power cables supplied)

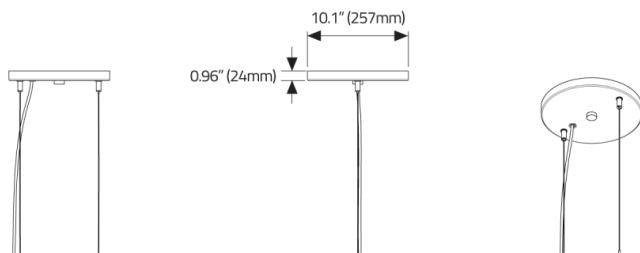
MATREX RD DUAL™ - SUSPENDED FULL SPECIFICATION SHEET

CANOPIES

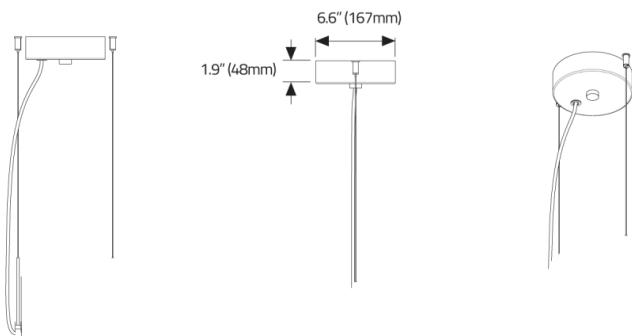
CANOPY A



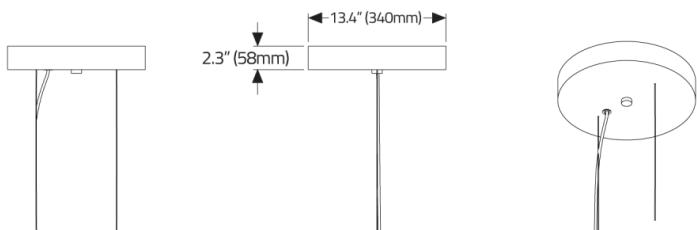
CANOPY B



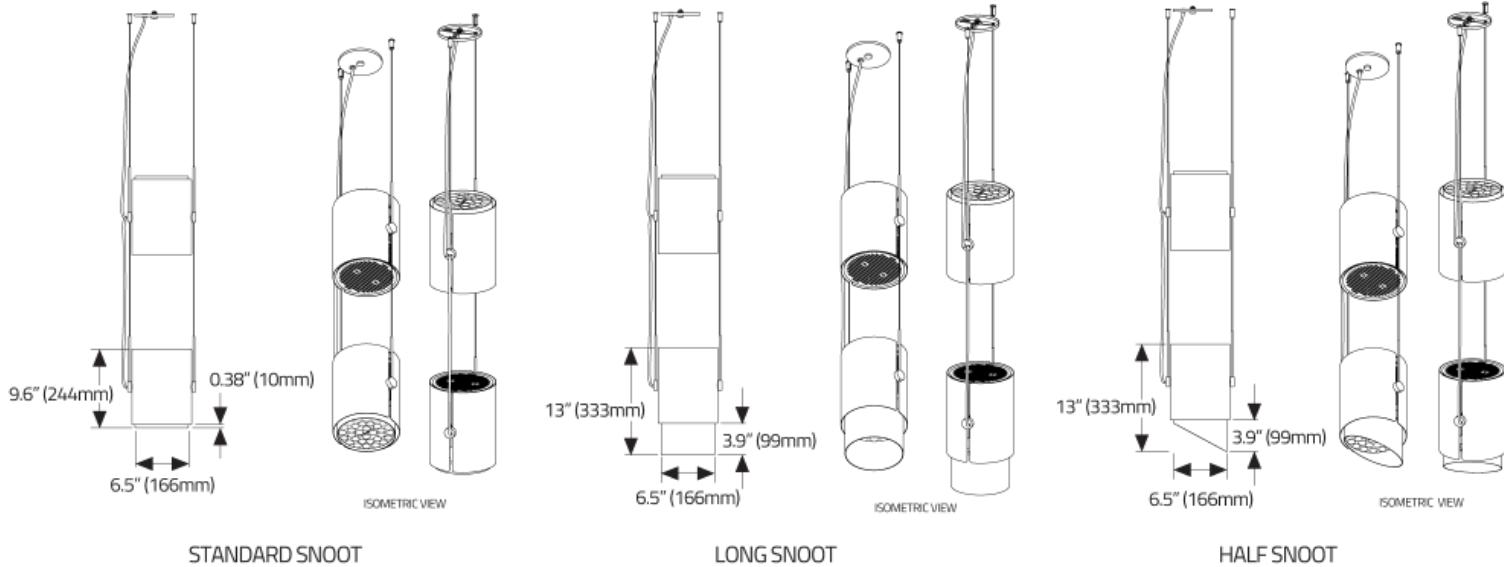
CANOPY C



CANOPY D

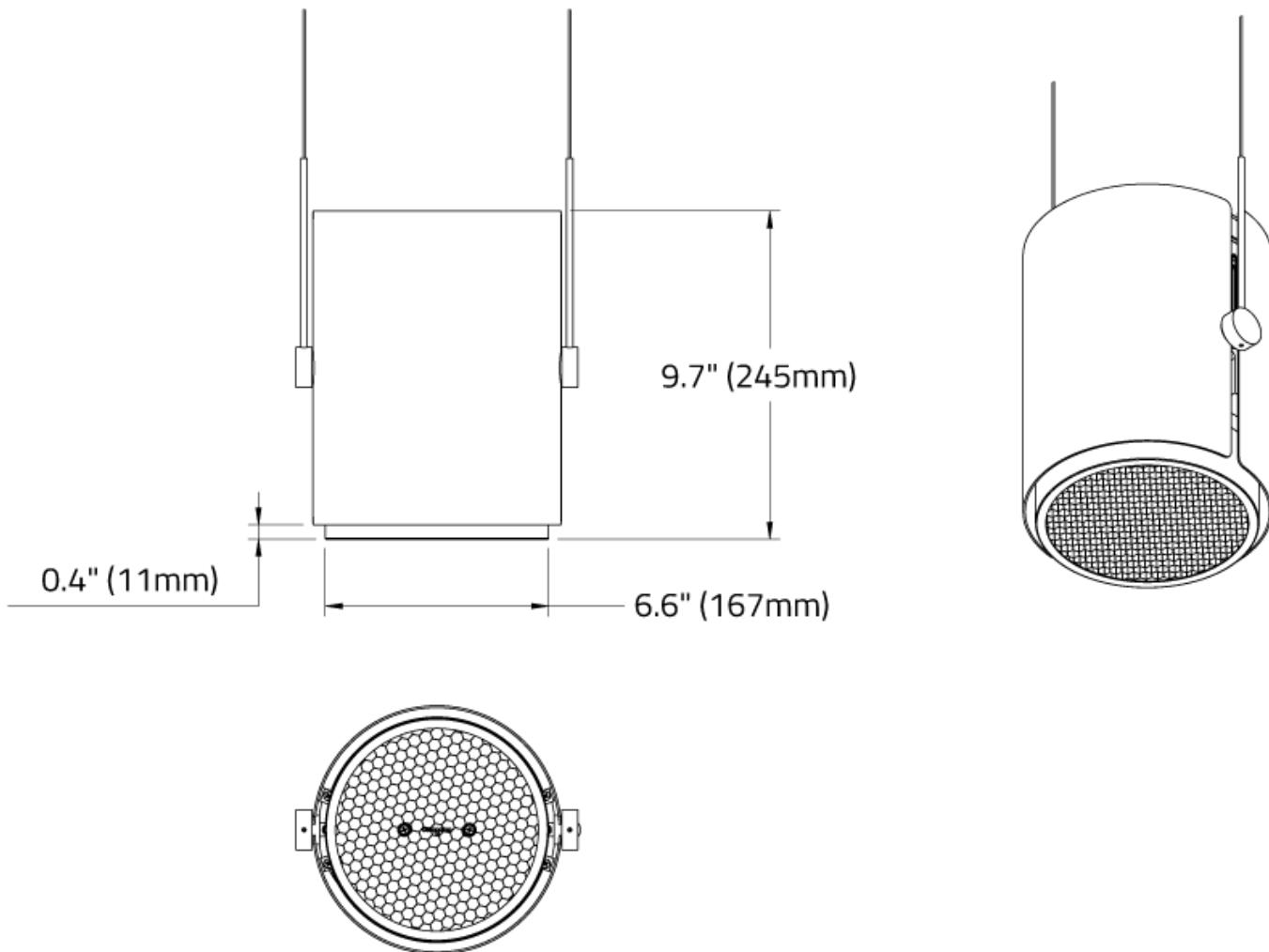


SNOOTS



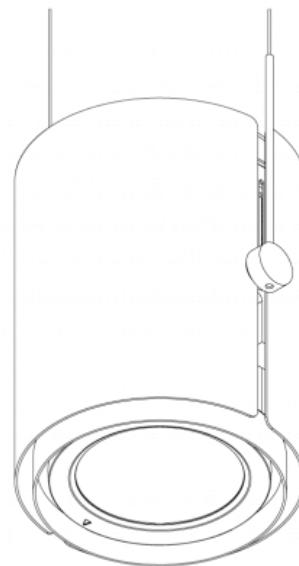
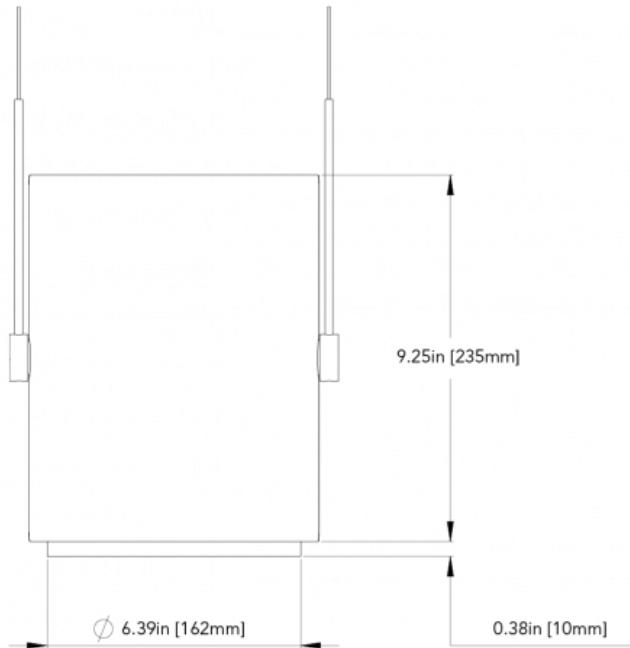
LOUVRE

HEX CELL LOUVRE



Matrex Round PD - COB

Matrex RD PD - COB



Isometric View

