

MATREX RD SINGLE™ - SUSPENDED

Project Name:

Fixture Type:

Fixture Code:

Quantities:



MATREX RD SINGLE™ - SUSPENDED



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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.

Suspension

Steel cables.

Integral emergency system

Emergency option provides a 1.5 hour (3 hours for EU) emergency lighting facility. The self contained system includes the inverter module, NiCad batteries, LED charge indicator and test switch (NA only). Integral emergency EU luminaires have a 17" (434mm) x 8.3" (210mm) x 2.3" (58mm) canopy with LED charge indicator. Not available with a 347V supply. Drivers are in the canopy.

Mechanical

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

Delivered lumens

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

Reported L70 @25°C (77°F)

> 60,000 hrs.

Designed by

Serge Cornelissen.

Finish

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

Power cable

Silver braided.

Drivers

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

Sensors

Consult factory regarding sensor compatibility.

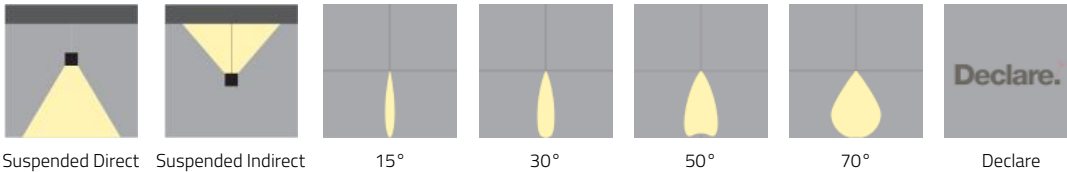
Approvals

Damp Rated.

Estimated L70 @25°C (77°F)

> 171,000 hrs.

MOUNTING & OPTICS



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HOW TO ORDER

A. LUMINAIRE

MTRP1P01 Direct, LEDs / Multi-Array Optics, 10050 lms

MTRP2P01 Indirect, LEDs / Multi-Array Optics, 10050 lms

MTRP1P02 Direct, COB / Reflector, 5025 lms

MTRP2P02 Indirect, 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/CRI

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}

DA40 DMX Dimming^{1 3}

¹ Not available with 347V.

² Not available in North America.

³ Must be used with CN4 canopy.

H. FIXTURE FINISH

FA01 White

FA02 Black Metallic - Textured

CF20 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. 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 For use with V2 only.

³ To be ordered with E1 (Emergency Integral) or DA40 (DMX Dimming).

J. 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

K. 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. Available with Direct only.

L. EMERGENCY

E0 Emergency system not required

E1 Emergency system - Integral ^{1 2}

¹ Not available with 347V. Two power cables will be supplied.

² CN4 canopy only used when ordering emergency or DMX.



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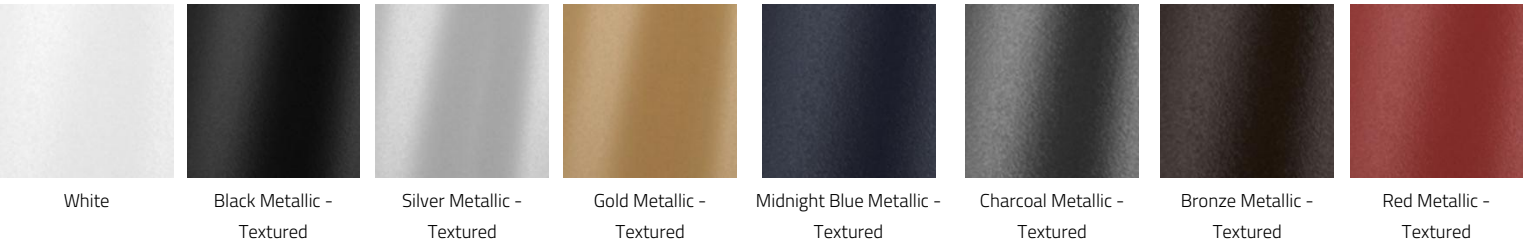
TECHNICAL DATA

LUMINAIRE

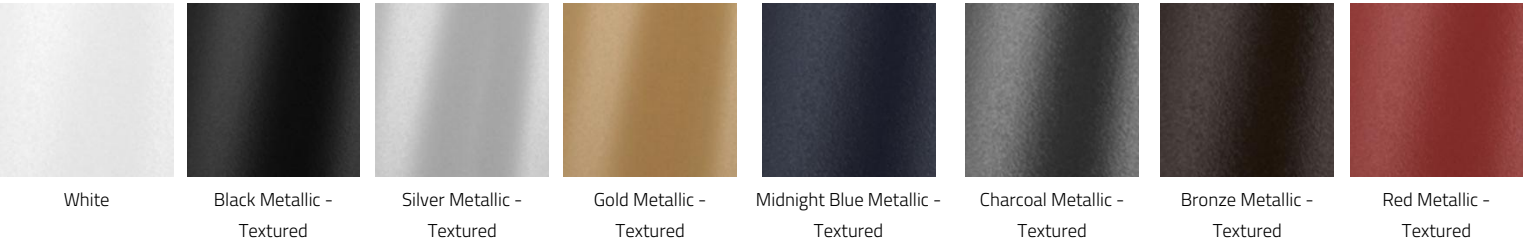
All data shown at max output and nominal values.

Code	MTRP1P01	MTRP2P01	MTRP1P02	MTRP2P02
Light Direction	Direct	Indirect	Direct	Indirect
Max Wattage	93W	93W	44W	44W
Max Delivered lms	10050	10050	5025	5025
Max LPW	124	124	111	111

FINISH - FIXTURE



FINISH - CANOPY



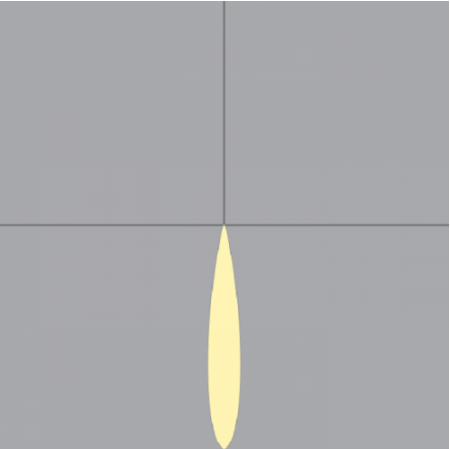
APPROVALS



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PERFORMANCE DATA

DIRECT 15° BEAM ANGLE

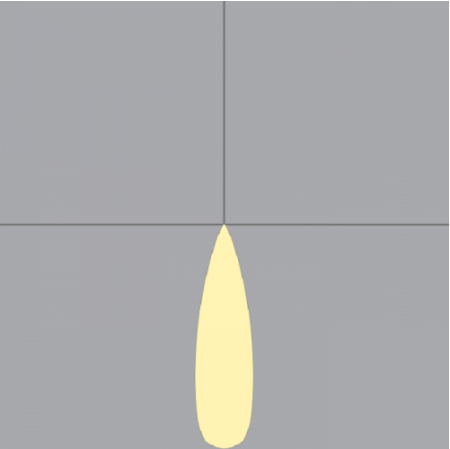


WATTS
19
41
65
93

LUMENS
2500
4900
7400
10000

LPW
132
121
114
106

DIRECT 30° BEAM ANGLE

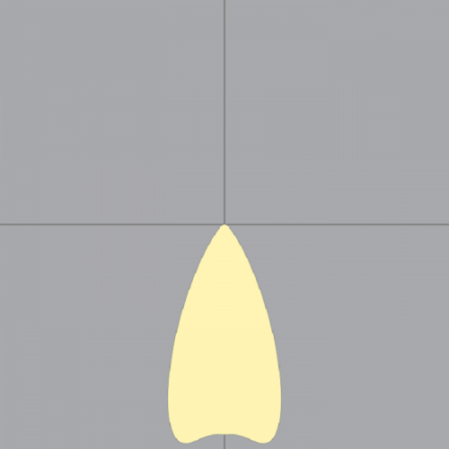


WATTS
19
41
65
93

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

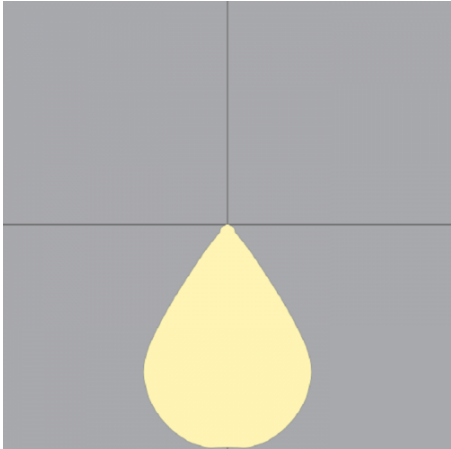
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DIRECT 70° BEAM ANGLE

WATTS

LUMENS

LPW



19
41
65
93

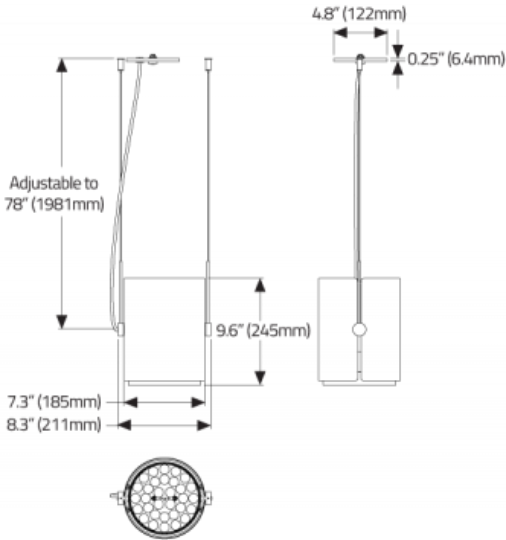
2400
4800
7200
9600

129
118
111
103

MATREX RD SINGLE™ - SUSPENDED

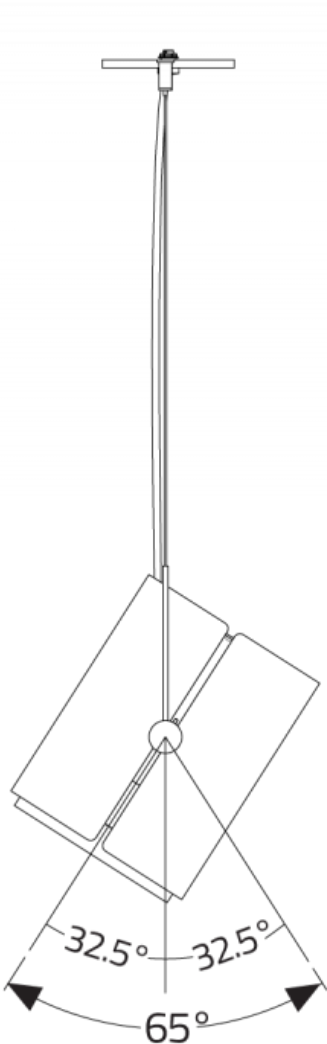
DIMENSIONAL DIAGRAMS

FIXTURE PROFILE

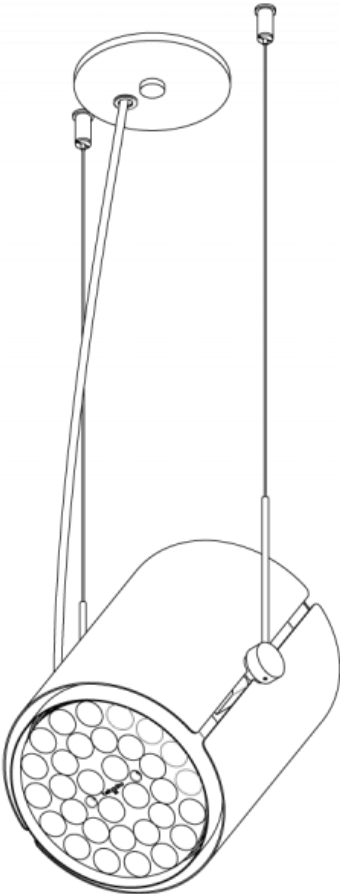
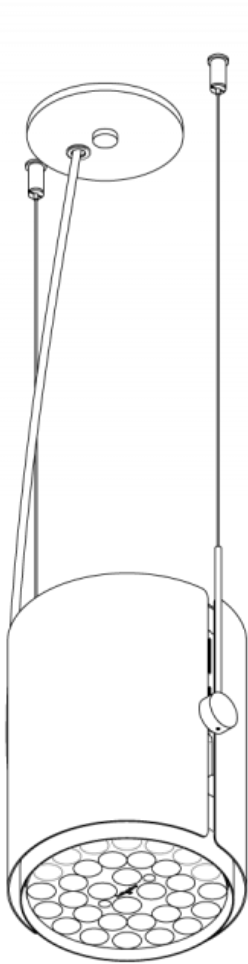


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DIRECT



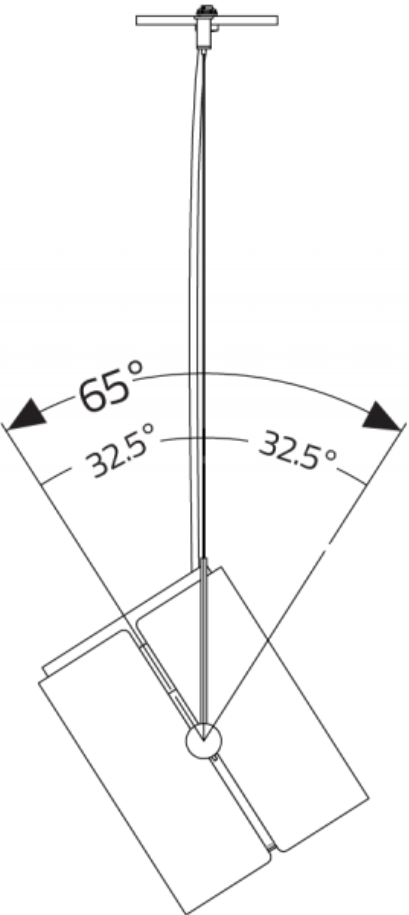
ISOMETRIC BOTTOM VIEW
(STRAIGHT)



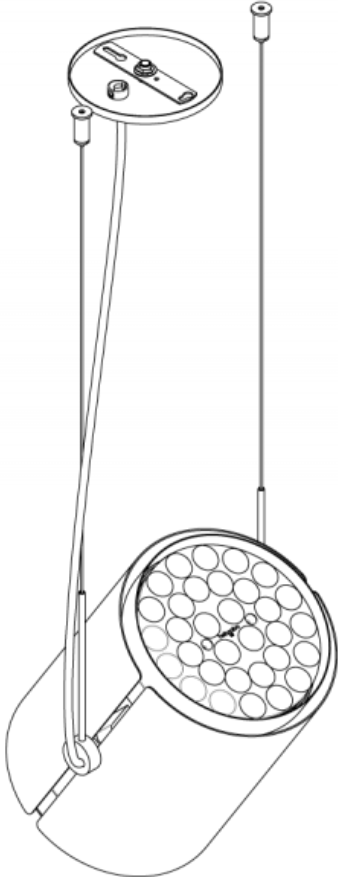
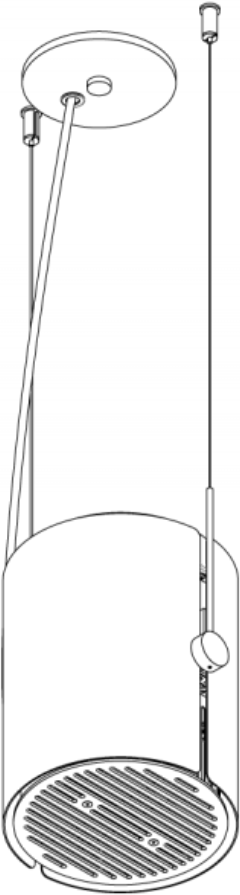
ISOMETRIC VIEW
(ANGLED)

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INDIRECT



ISOMETRIC BOTTOM VIEW
(STRAIGHT)

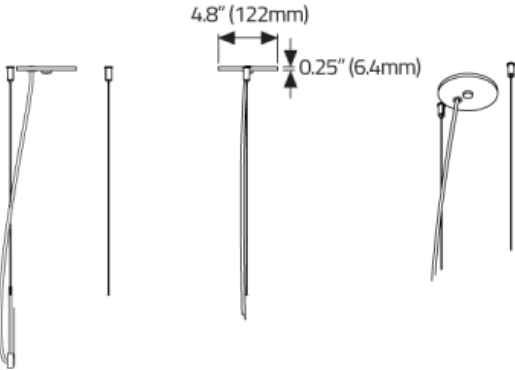


ISOMETRIC VIEW
(ANGLED)

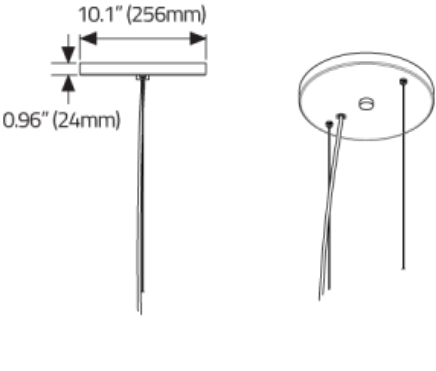
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CANOPIES

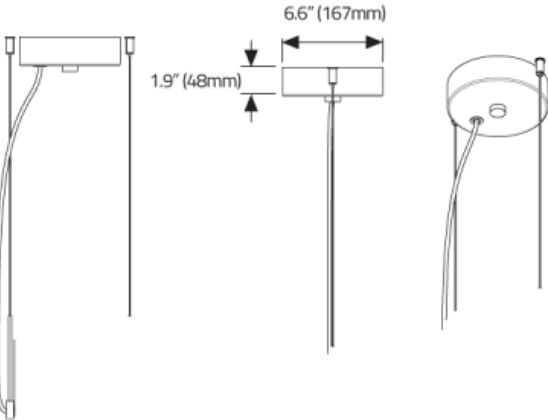
CANOOPY A



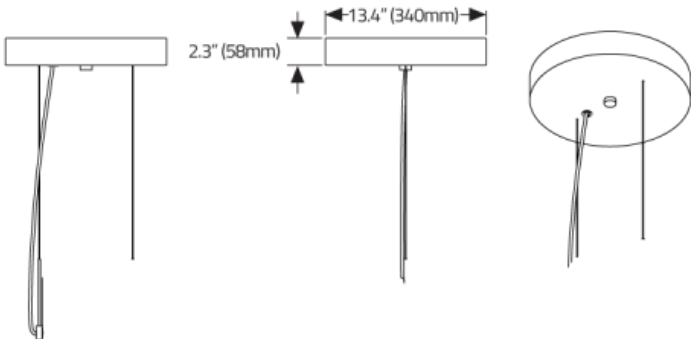
CANOOPY B



CANOOPY C

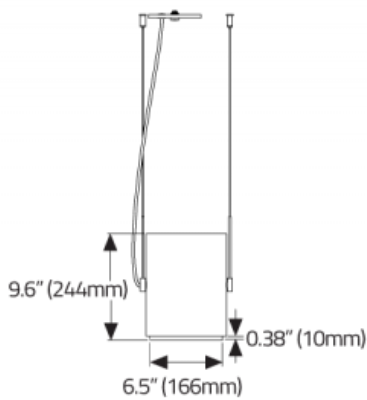


CANOOPY D

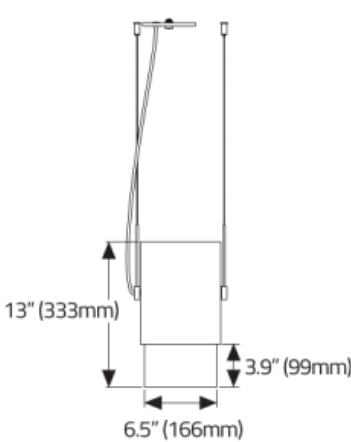


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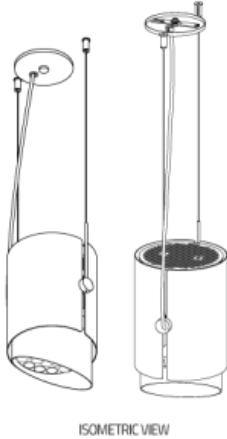
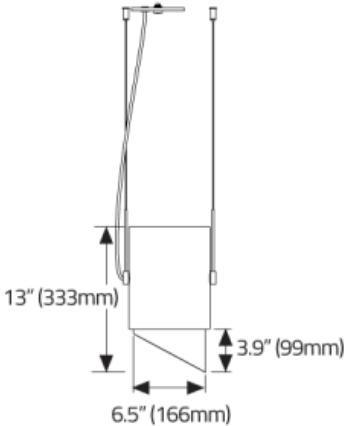
SNOOTS



STANDARD SNOOT



LONG SNOOT

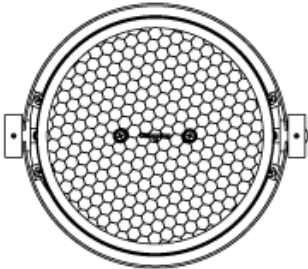
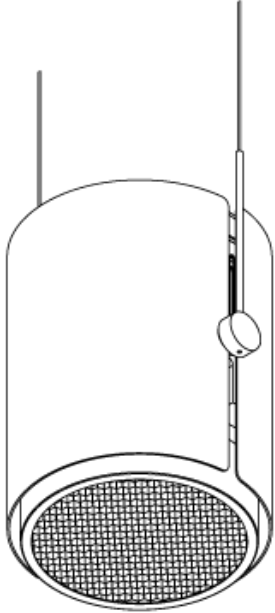
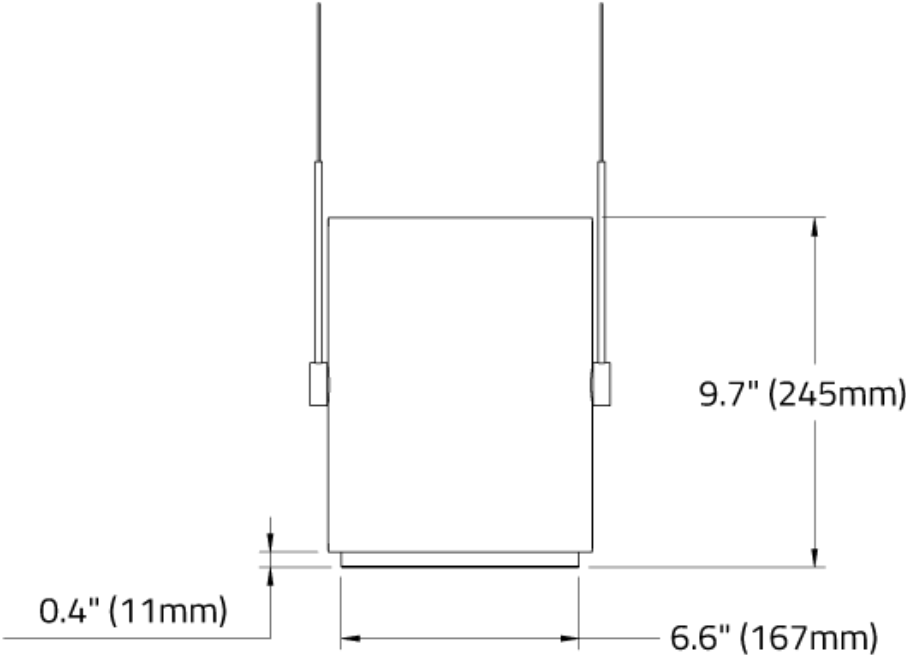


HALF SNOOT

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LOUVRE

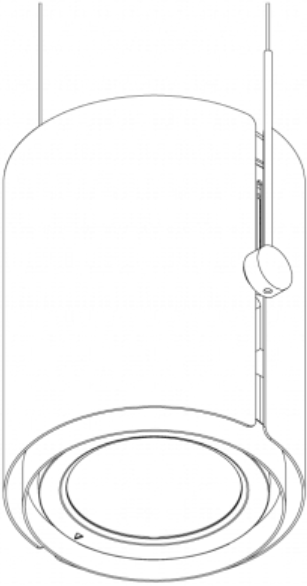
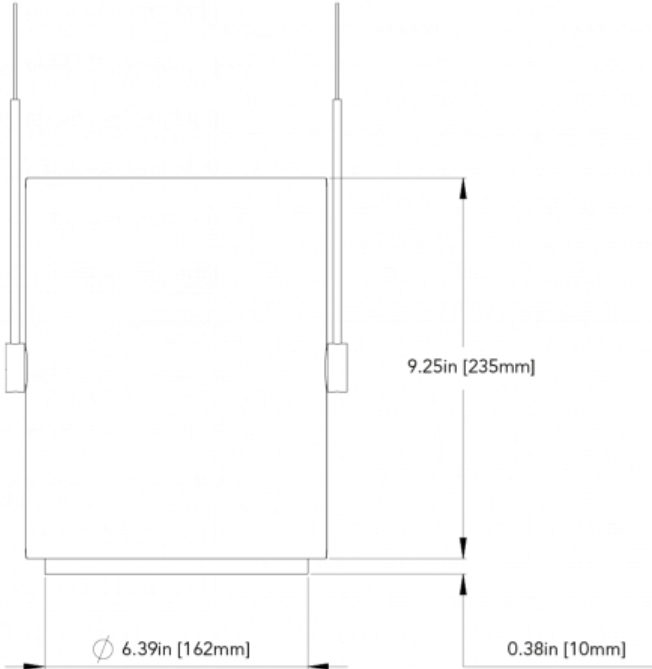
HEX CELL LOUVRE



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Matrex Round PD - COB

Matrex RD PD - COB



Isometric View

