

MATREX RD DUAL™ - SUSPENDED

Project Name:

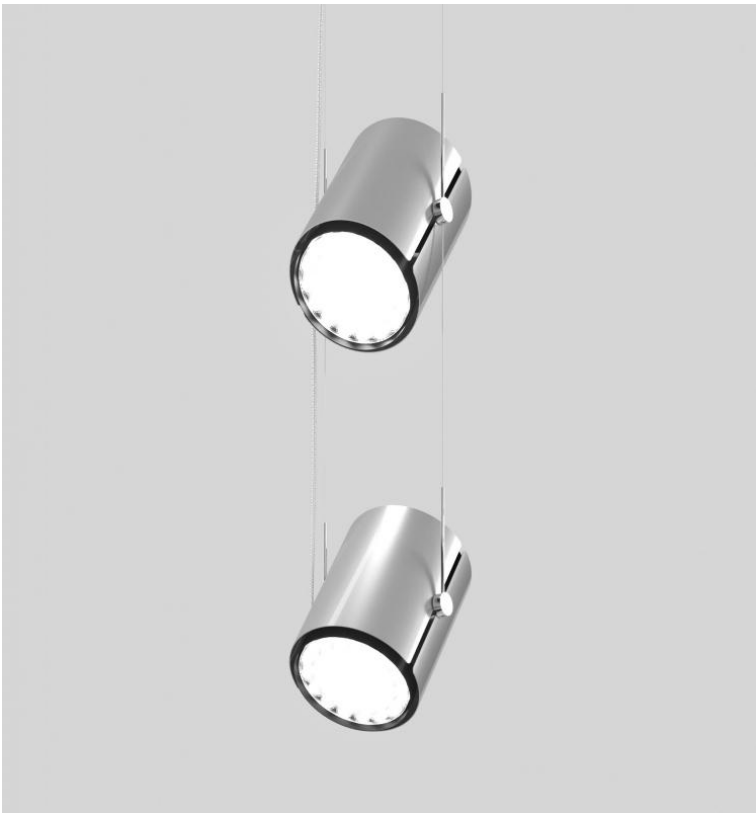
Fixture Type:

Fixture Code:

Quantities:



MATREX RD DUAL™ - 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 (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 & 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, then the driver is integral to the canopy.

Sensors

Consult factory regarding sensor compatibility.

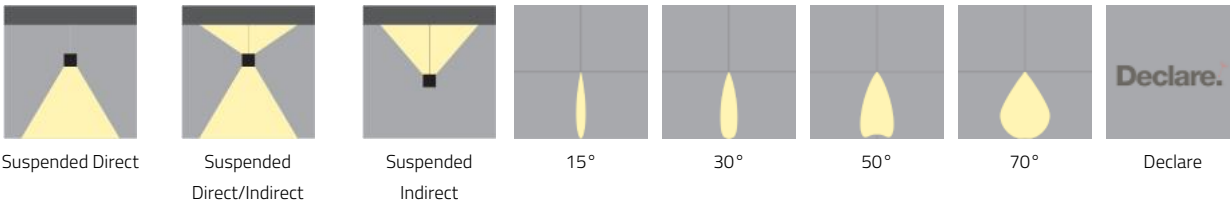
Approvals

Damp Rated.

Estimated L70 @25°C (77°F)

> 171,000 hrs.

MOUNTING & OPTICS



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HOW TO ORDER

A. 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.

B. LUMENS (UPPER MODULE)

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. LUMENS (LOWER MODULE)

LMB0250 2500

LMB0500 5025

LMB0750 7500¹

LMB1000 10050¹

¹ Not available with COB / Reflector.

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

D. CRI

CR80 CRI 80+

CR90 CRI 90+¹

¹ Not available with COB / Reflector.

E. CCT

CTA27 2700K¹

CTA30 3000K

CTA35 3500K

CTA40 4000K

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

F. BEAM ANGLE (UPPER MODULE)

BA15 15°¹

BA30 30°¹

BA50 50°

BA70 70°¹

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

G. 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.

H. VOLTAGE

V1 120/277V

V2 240V¹

V3 347V²

¹ Not available in North America.

² Only available with DA01 dimming.



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I. 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.

J. 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

K. CANOPY

CN1 Canopy A¹

CN2 Canopy B¹

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 (240V) only.

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

L. 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

M. SNOOTS AND LOUVER (UPPER MODULE)

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 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 Double Down version only.

N. SNOOTS AND LOUVER (LOWER MODULE)

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 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 BB70 beam angle.

O. EMERGENCY

E0 Emergency system not required

E1 Emergency system - Integral^{1 2}

¹ Integral emergency in the lower module only, drivers are in the canopy. Not available with 347V. Two power cables will be supplied.

² CN4 canopy only used when ordering emergency or DMX. Two power cables supplied.



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P. SEPARATE SWITCHING

CS1 Single circuit

CS2 Separate switching ¹

¹ Two power cables will be supplied.



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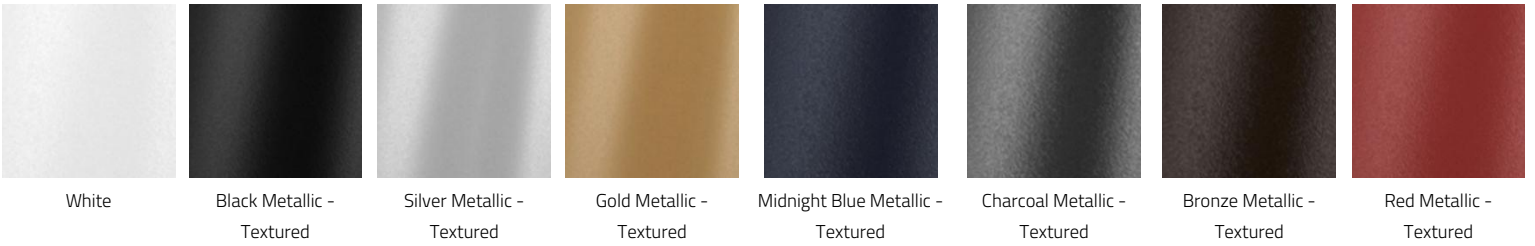
TECHNICAL DATA

LUMINAIRE

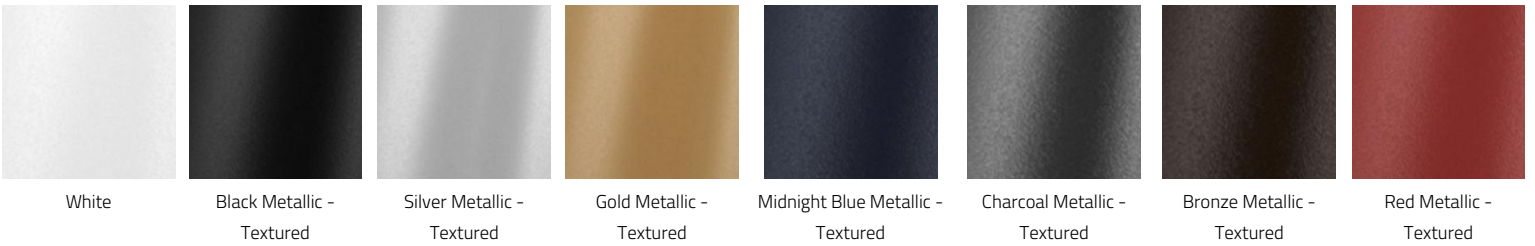
All data shown at max output and nominal values.

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

FINISH - FIXTURE



FINISH - CANOPY



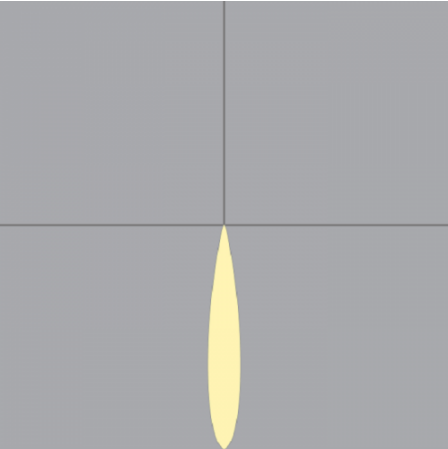
APPROVALS



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PERFORMANCE DATA

DIRECT 15° BEAM ANGLE

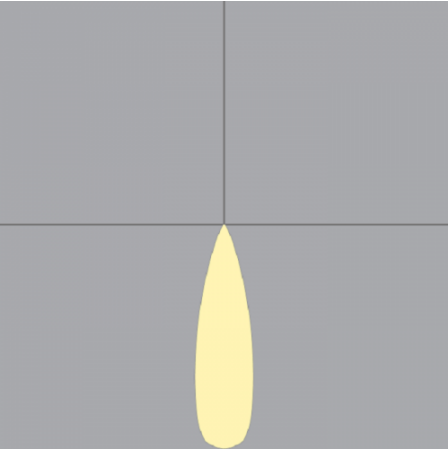


WATTS
38
82
130
186

LUMENS
5000
9800
14800
20000

LPW
132
121
114
106

DIRECT 30° BEAM ANGLE

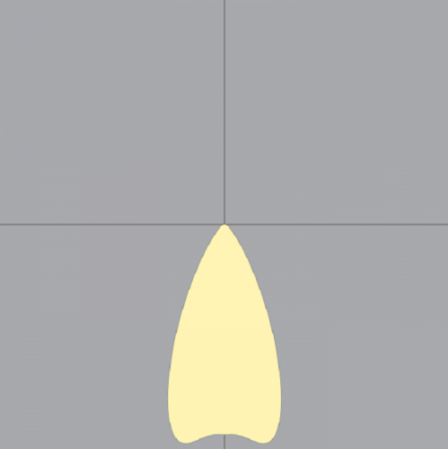


WATTS
38
82
130
186

LUMENS
5000
10050
15000
20100

LPW
135
124
116
108

DIRECT 50° BEAM ANGLE



WATTS
38
82
130
186

LUMENS
4800
9600
14200
19000

LPW
128
117
110
102

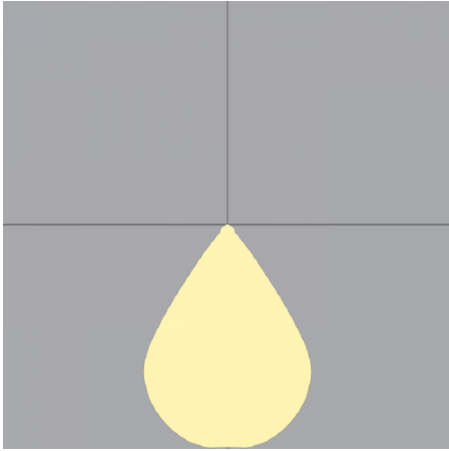
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DIRECT 70° BEAM ANGLE

WATTS

LUMENS

LPW



38
82
130
186

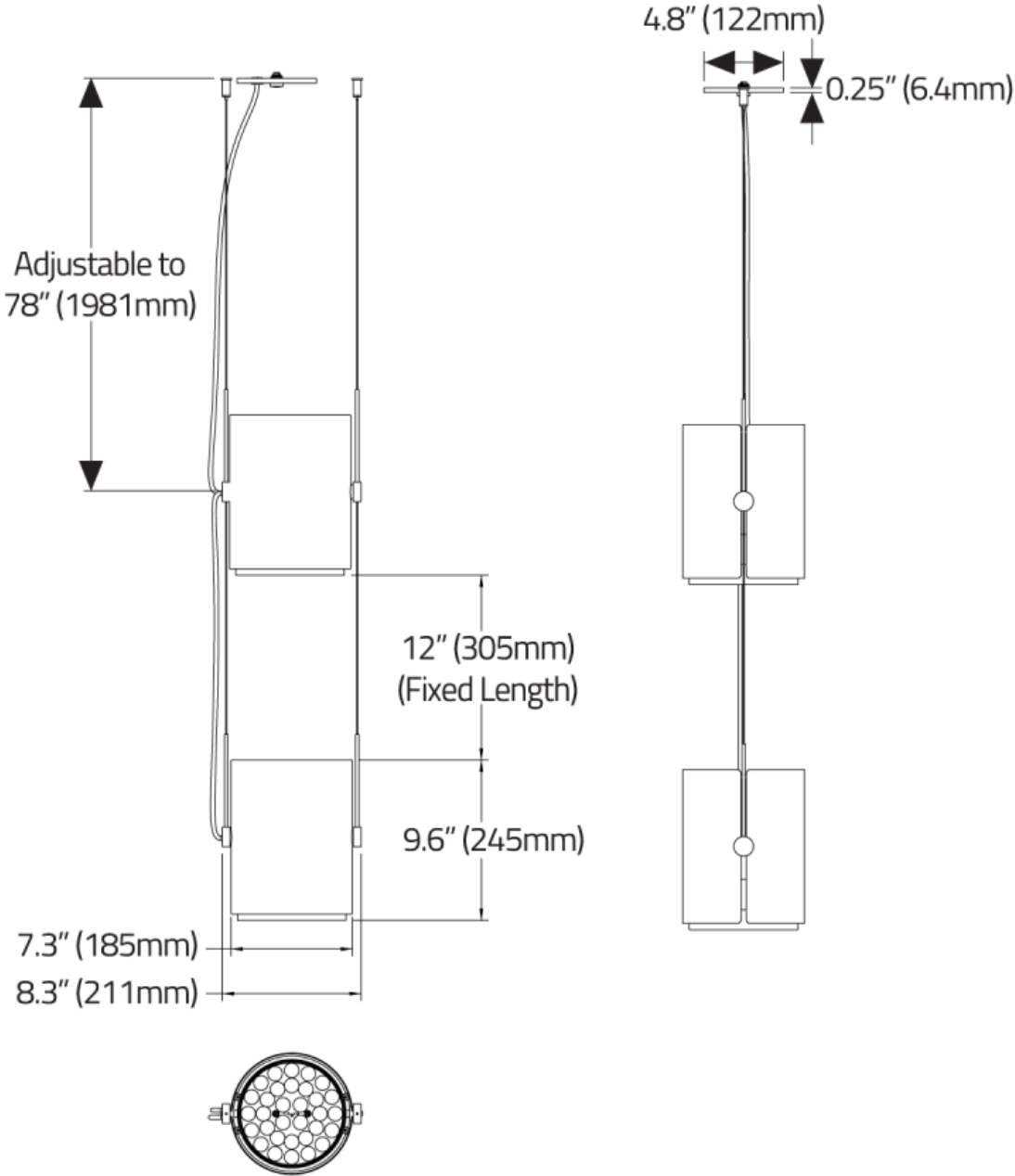
4800
9600
14400
19200

129
118
111
103

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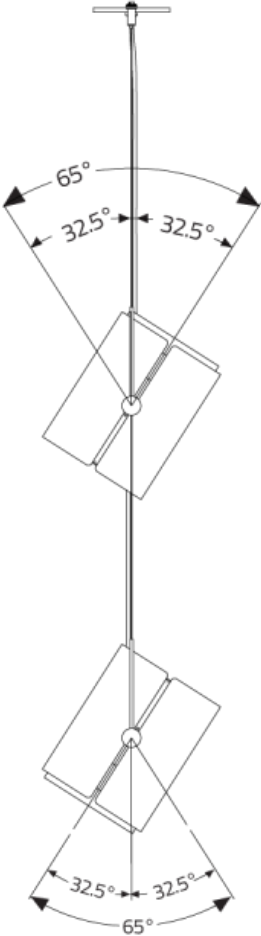
DIMENSIONAL DIAGRAMS

FIXTURE PROFILE

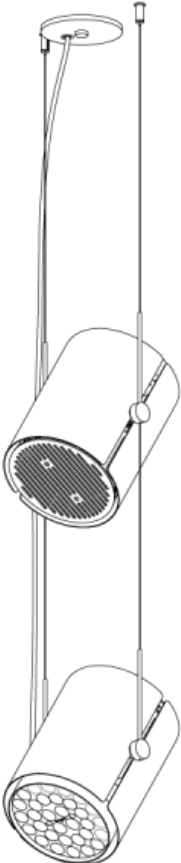


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DIRECT/INDIRECT



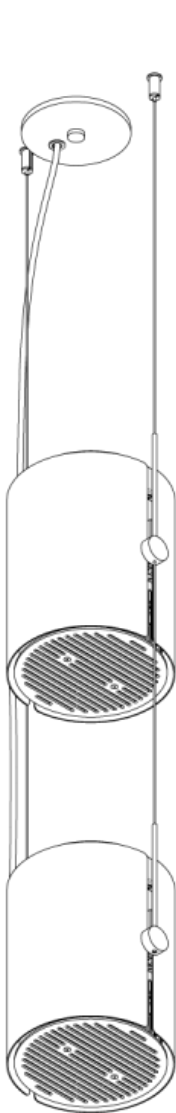
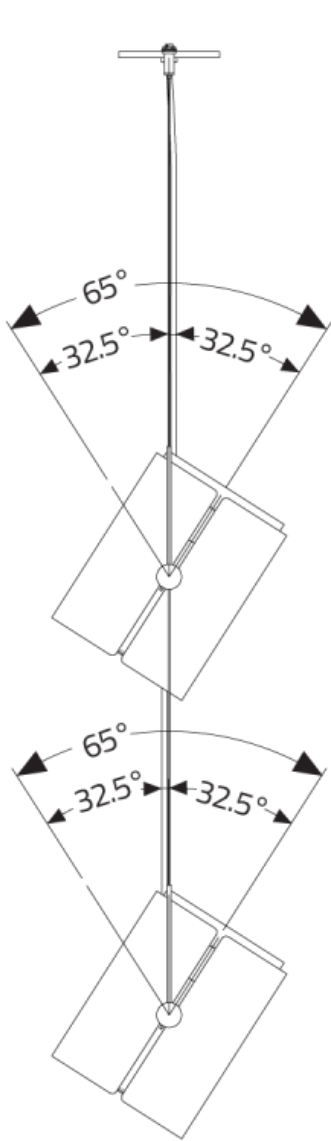
ISOMETRIC BOTTOM VIEW
(STRAIGHT)



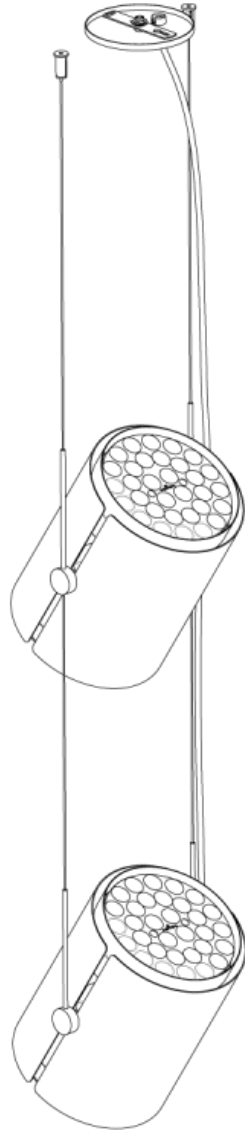
ISOMETRIC VIEW
(ANGLED)

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DOUBLE UP



ISOMETRIC BOTTOM VIEW
(STRAIGHT)

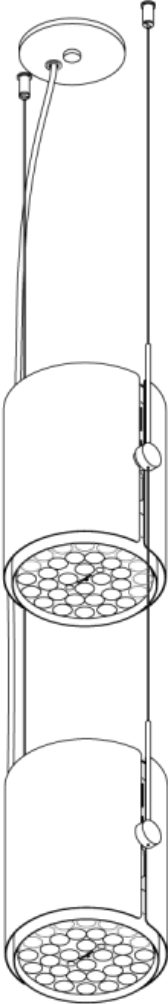
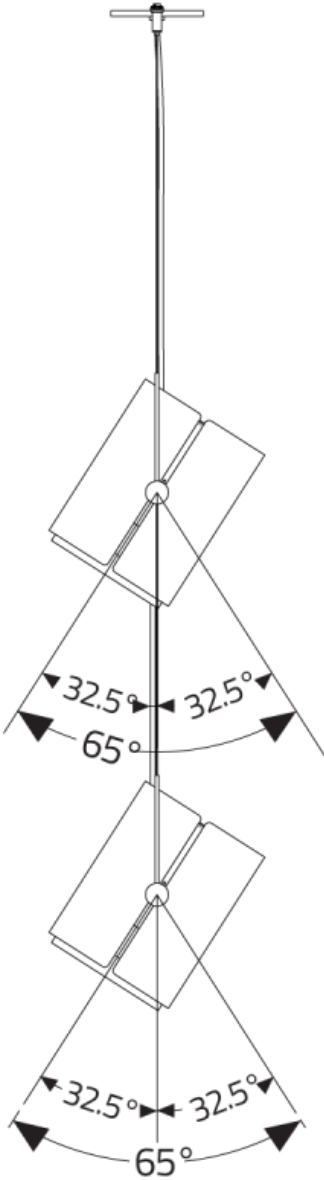


ISOMETRIC VIEW
(ANGLED)

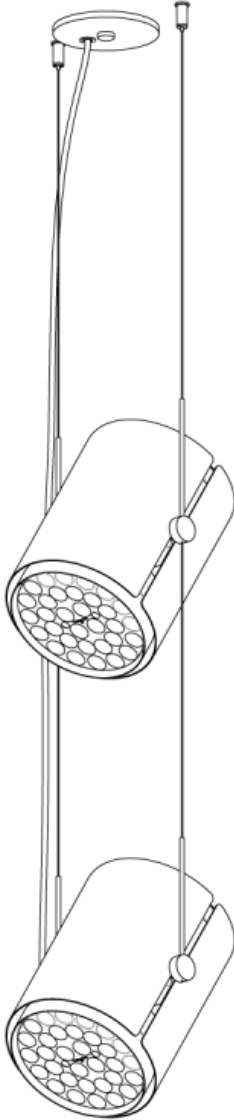


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DOUBLE DOWN



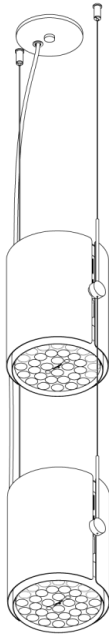
ISOMETRIC BOTTOM VIEW (STRAIGHT)



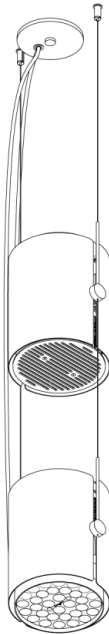
ISOMETRIC VIEW (ANGLED)

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SEPARATE SWITCHING (CS1, CS2)



SINGLE SWITCHING

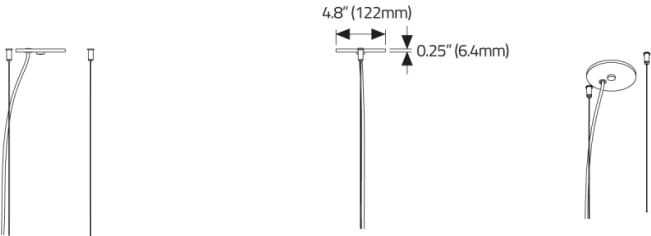


SEPARATE SWITCHING
(Two power cables supplied)

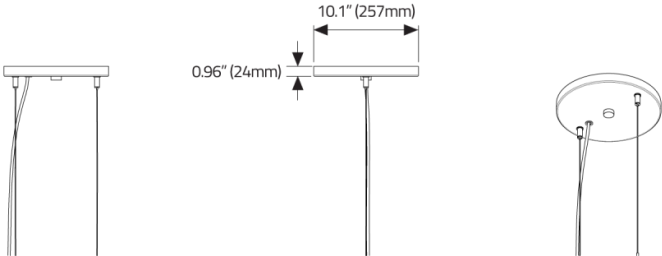
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CANOPIES

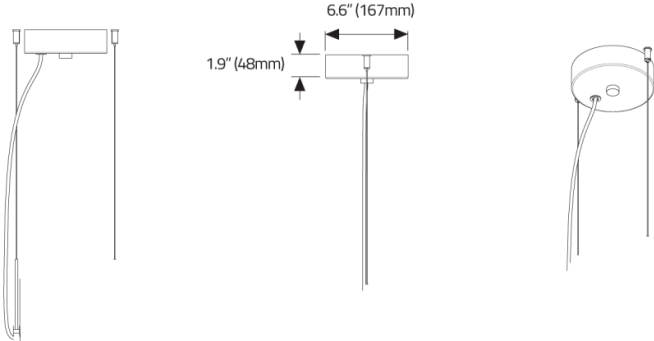
CANOPY A



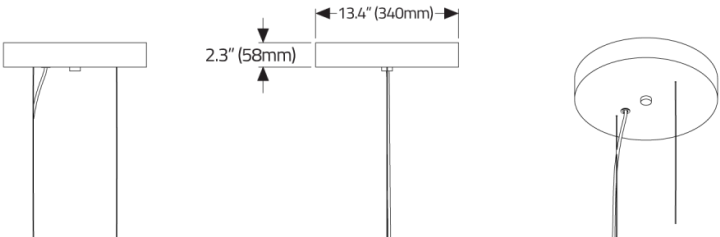
CANOPY B



CANOPY C

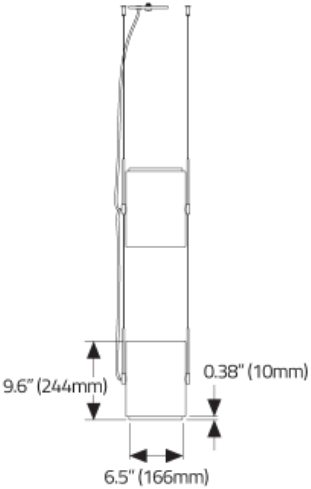


CANOPY D



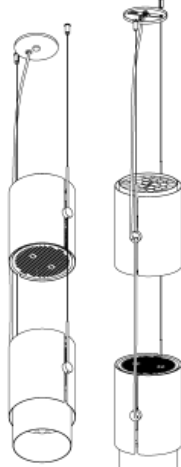
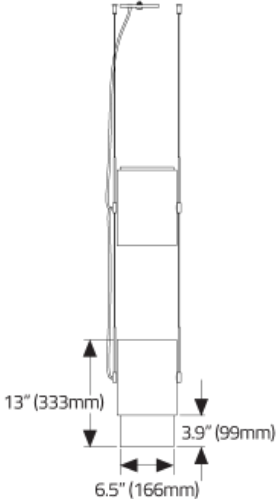
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SNOOTS



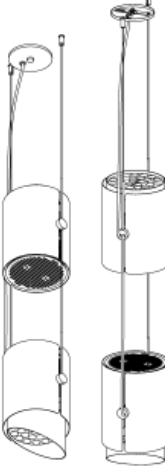
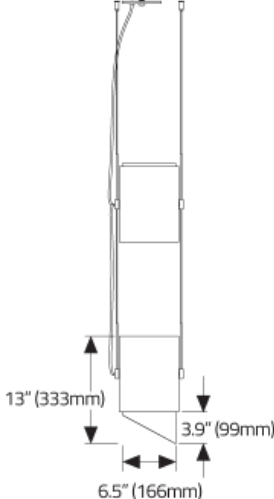
ISOMETRIC VIEW

STANDARD SNOOT



ISOMETRIC VIEW

LONG SNOOT



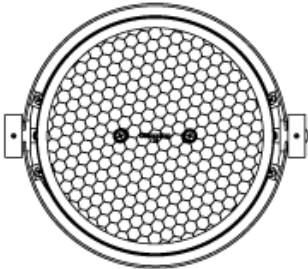
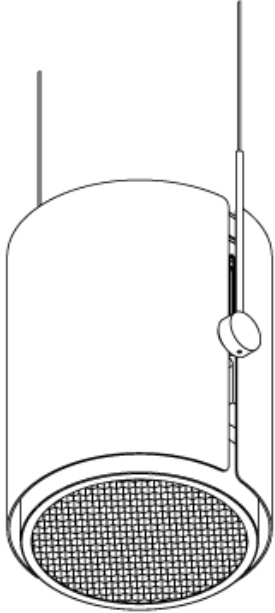
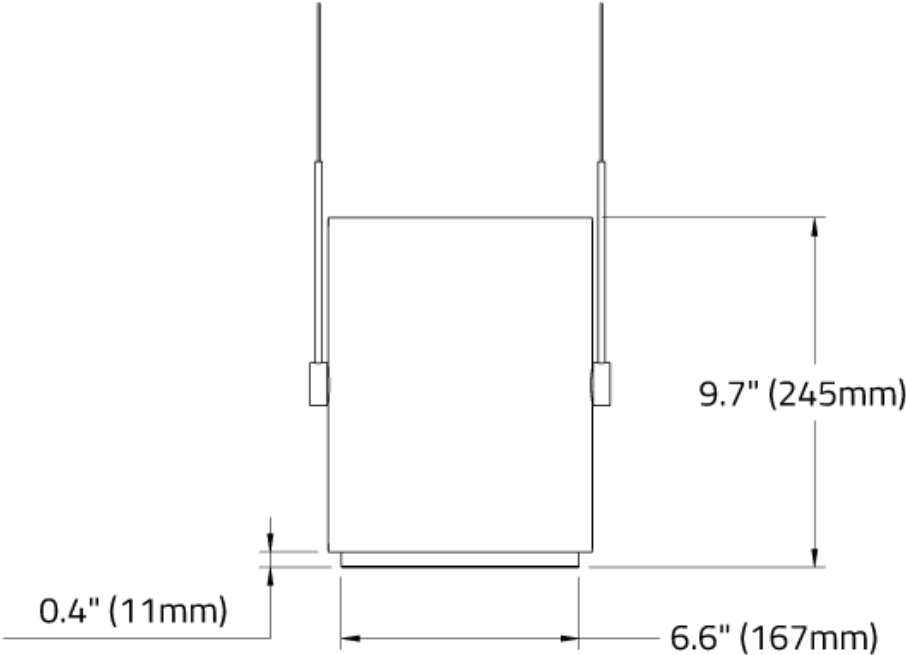
ISOMETRIC VIEW

HALF SNOOT

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LOUVRE

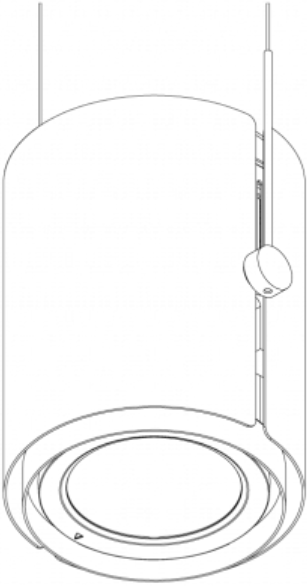
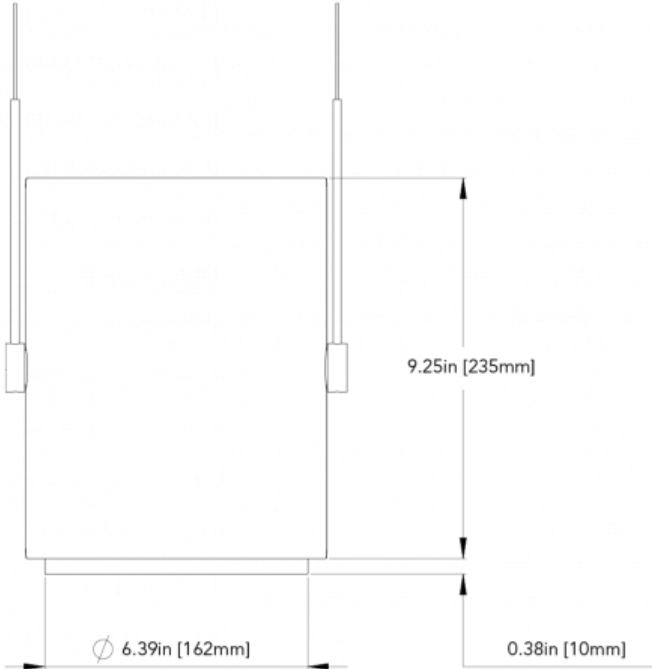
HEX CELL LOUVRE



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Matrex Round PD - COB

Matrex RD PD - COB



Isometric View

