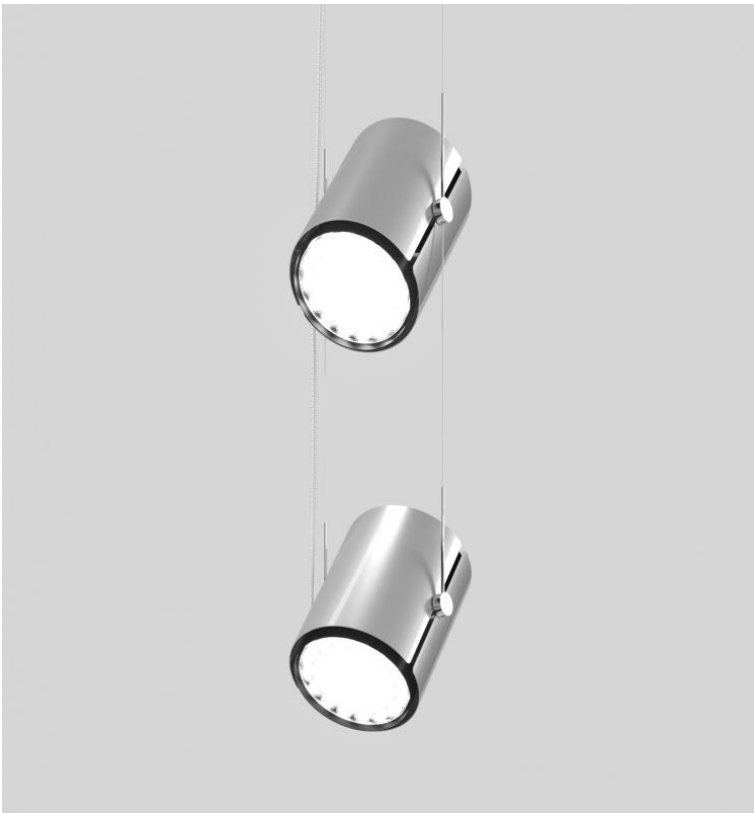


MATREX RD DUAL™ - SUSPENDED

Project Name:	Fixture Type:
Fixture Code:	Quantities:



MATREX RD DUAL™ - SUSPENDED



MATREX RD DUAL™ - SUSPENDED

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.

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.

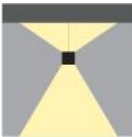
Estimated L70 @25°C (77°F)

> 171,000 hrs.

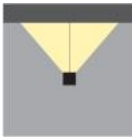
OPTICS & FEATURES



Suspended Direct



Suspended Direct/Indirect



Suspended Indirect



15°



30°



50°



70°



Declare



MATREX RD DUAL™ - SUSPENDED

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 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.

C. LUMENS (LOWER MODULE)

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.

D. CRI

CR80 CRI 80+	CR90 CRI 90+ ¹		
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¹ Not available with COB / Reflector.

E. 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.

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 240V ¹	V3 347V ²	
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¹ Not available in North America.
² Only available with DA01 dimming.

MATREX RD DUAL™ - SUSPENDED

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 DSL/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 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 (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 - 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 Double Down version only.

N. SNOOTS AND LOUVER (LOWER MODULE)

NU1 Standard Snoot - Black ¹	NU2 Standard Snoot - White ¹	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}
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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.

MATREX RD DUAL™ - SUSPENDED

P. SEPARATE SWITCHING

CS1 Single circuit **CS2** Separate switching ¹

¹ Two power cables will be supplied.

MATREX RD DUAL™ - SUSPENDED

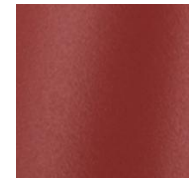
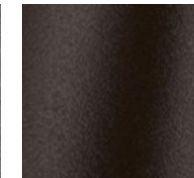
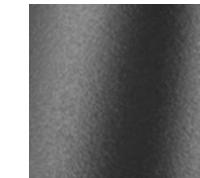



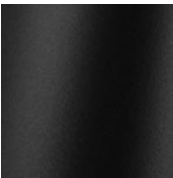
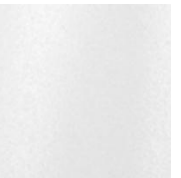
TECHNICAL DATA

LUMINAIRE

All data shown at max output and nominal values.



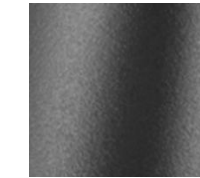


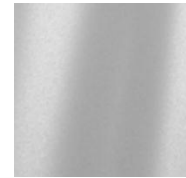
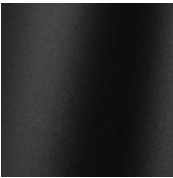

Code	MRDP1P01	MRDP2P01	MRDP3P01	MRDP1P02	MRDP2P02	MRDP3P02
Light Direction	Double Down	Direct/Indirect	Double Up	Double Down	Direct/Indirect	Double Up
Max Wattage	186W	186W	186W	88W	88W	88W
Max Delivered lms	20100	20100	20100	10050	10050	10050
Max LPW	124	124	124	111	111	111

FINISH - FIXTURE



WhiteBlack Metallic - TexturedSilver Metallic - TexturedGold Metallic - TexturedMidnight Blue Metallic - TexturedCharcoal Metallic - TexturedBronze Metallic - TexturedRed Metallic - Textured

FINISH - CANOPY



WhiteBlack Metallic - TexturedSilver Metallic - TexturedGold Metallic - TexturedMidnight Blue Metallic - TexturedCharcoal Metallic - TexturedBronze Metallic - TexturedRed Metallic - Textured

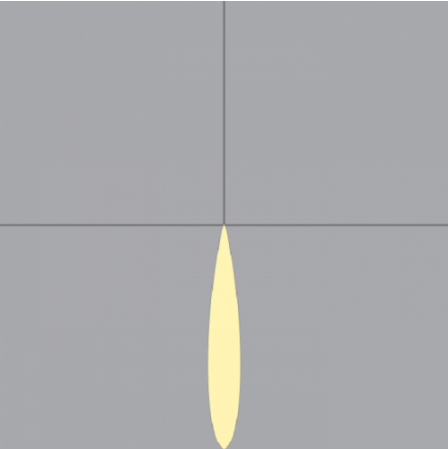
APPROVALS



MATREX RD DUAL™ - SUSPENDED

PERFORMANCE DATA

DIRECT 15° BEAM ANGLE

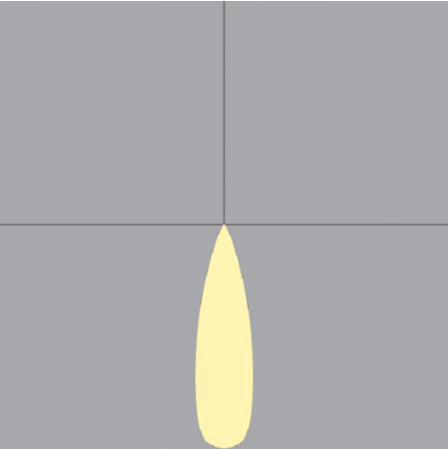


WATTS
38
82
130
186

LUMENS
5000
9800
14800
20000

LPW
132
121
114
106

DIRECT 30° BEAM ANGLE

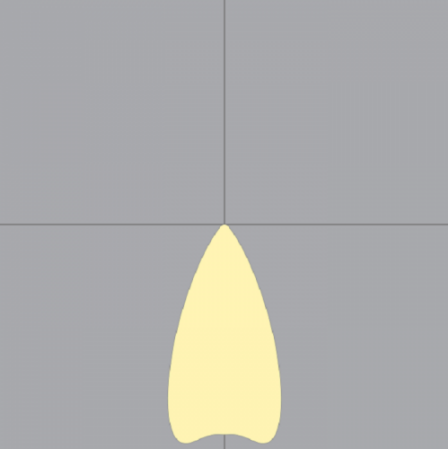


WATTS
38
82
130
186

LUMENS
5000
10050
15000
20100

LPW
135
124
116
108

DIRECT 50° BEAM ANGLE



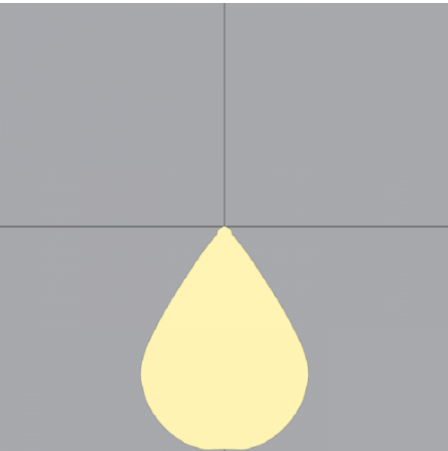
WATTS
38
82
130
186

LUMENS
4800
9600
14200
19000

LPW
128
117
110
102

MATREX RD DUAL™ - SUSPENDED

DIRECT 70° BEAM ANGLE



WATTS
38
82
130
186

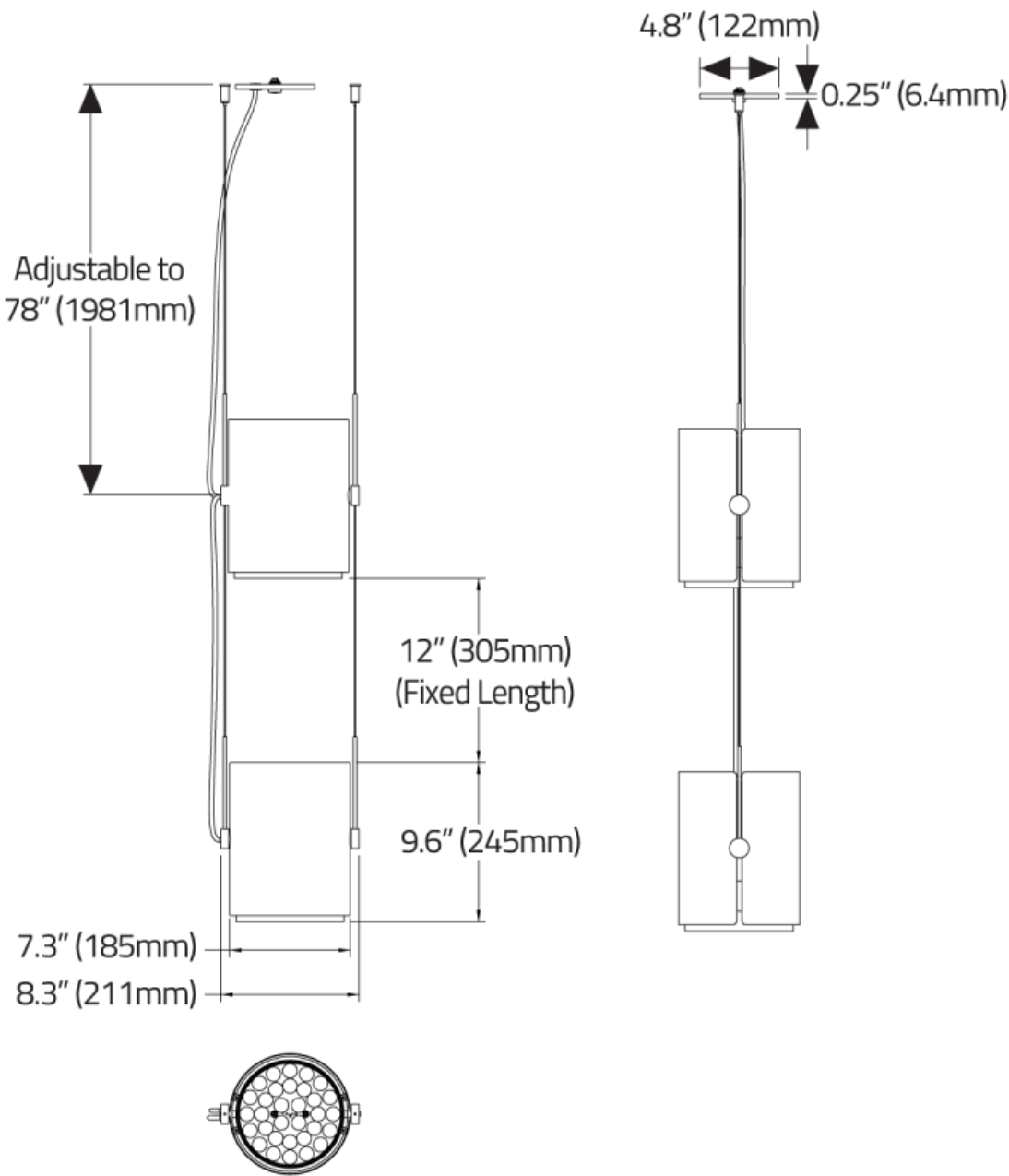
LUMENS
4800
9600
14400
19200

LPW
129
118
111
103

MATREX RD DUAL™ - SUSPENDED

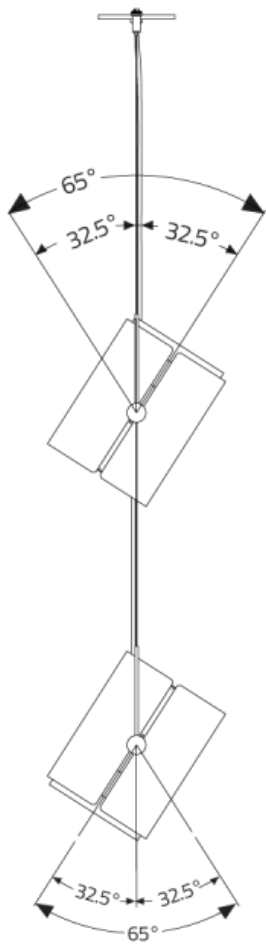
DIMENSIONAL DIAGRAMS

FIXTURE PROFILE

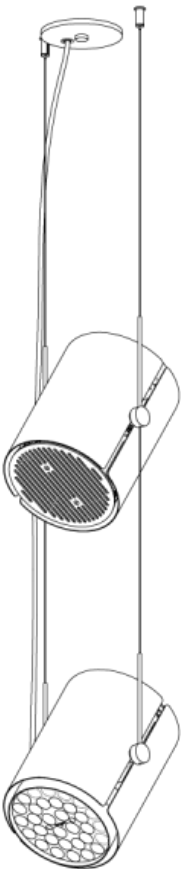


MATREX RD DUAL™ - SUSPENDED

DIRECT/INDIRECT



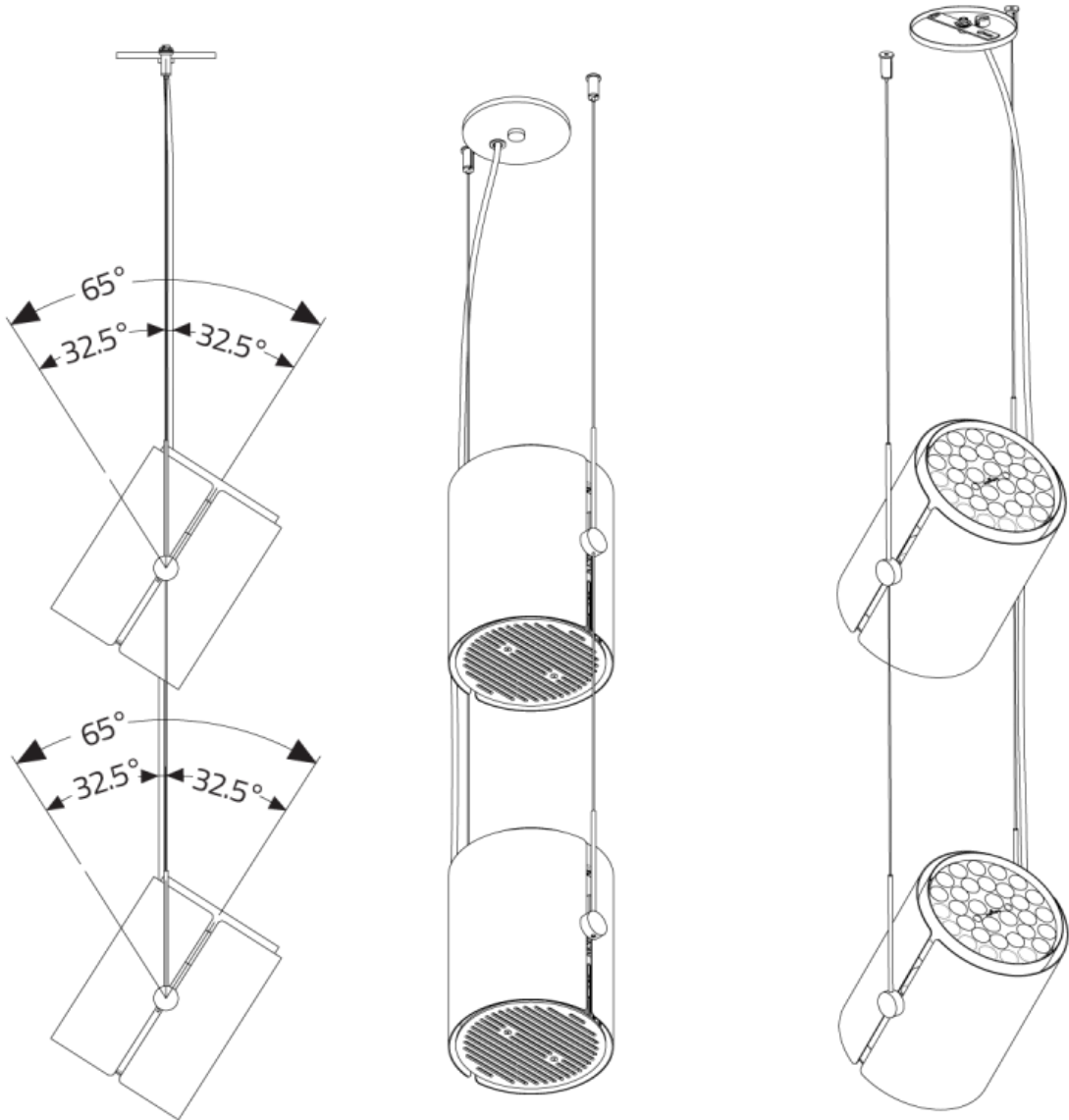
ISOMETRIC BOTTOM VIEW
(STRAIGHT)



ISOMETRIC VIEW
(ANGLED)

MATREX RD DUAL™ - SUSPENDED

DOUBLE UP

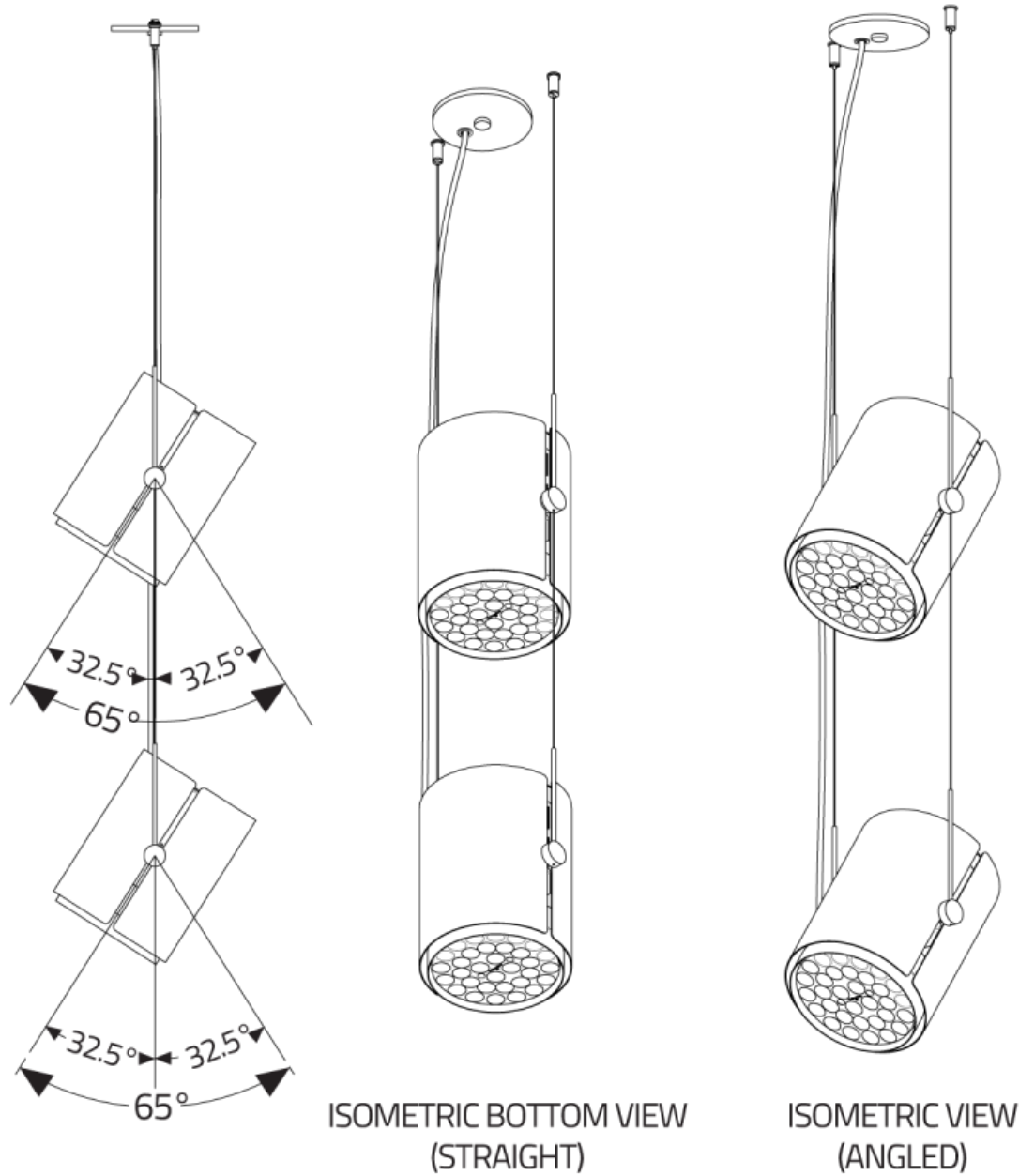


ISOMETRIC BOTTOM VIEW
(STRAIGHT)

ISOMETRIC VIEW
(ANGLED)

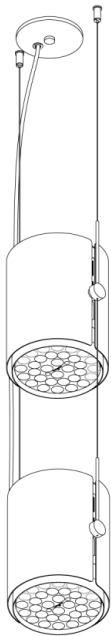
MATREX RD DUAL™ - SUSPENDED

DOUBLE DOWN

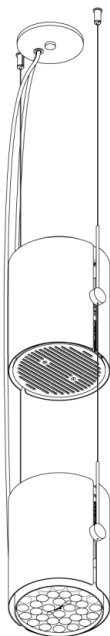


MATREX RD DUAL™ - SUSPENDED

SEPARATE SWITCHING (CS1, CS2)



SINGLE SWITCHING

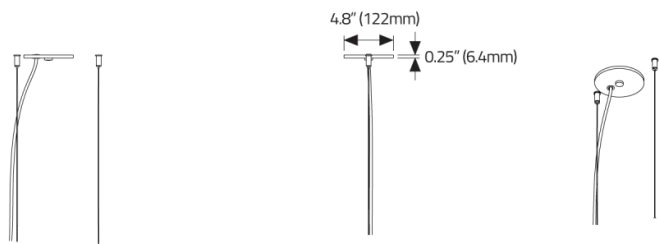


SEPARATE SWITCHING
(Two power cables supplied)

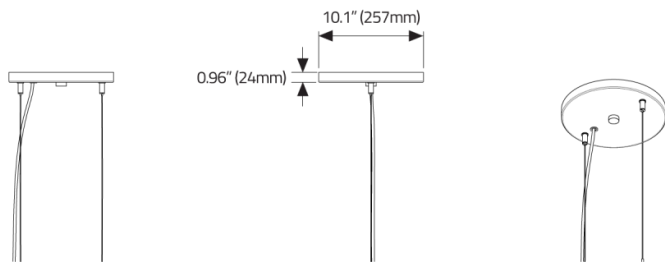
MATREX RD DUAL™ - SUSPENDED

CANOPIES

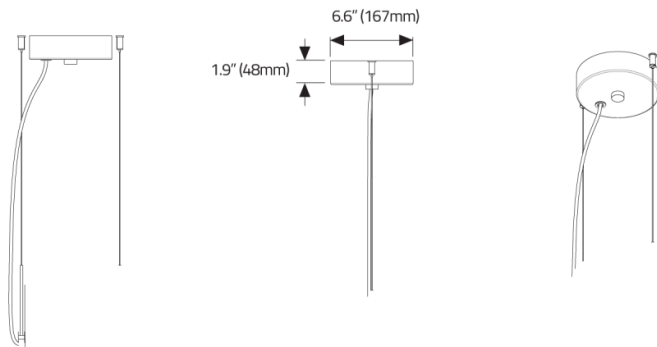
CANOPY A



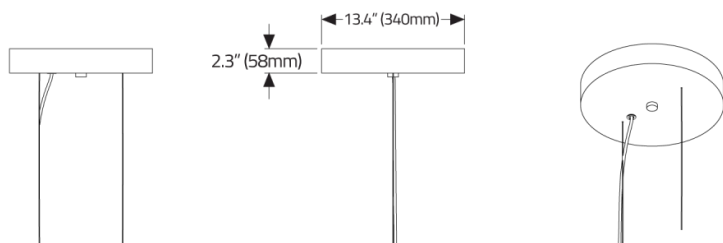
CANOPY B



CANOPY C

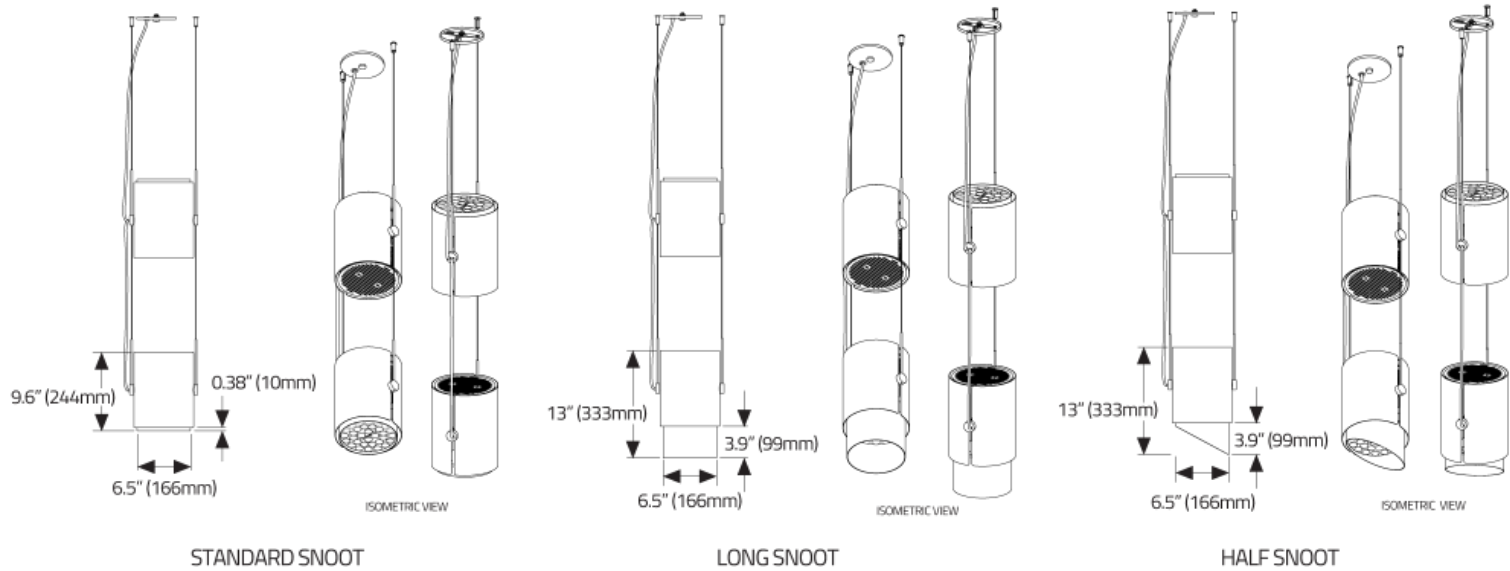


CANOPY D



MATREX RD DUAL™ - SUSPENDED

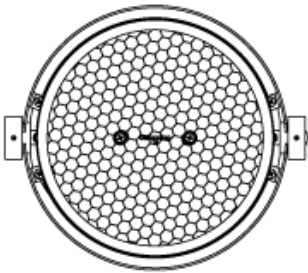
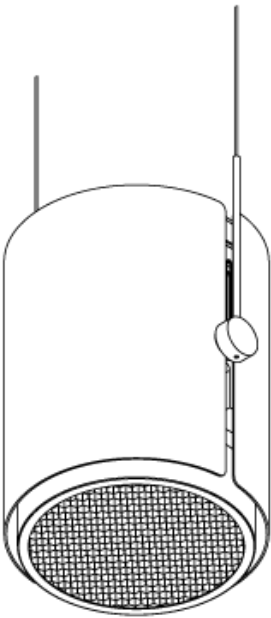
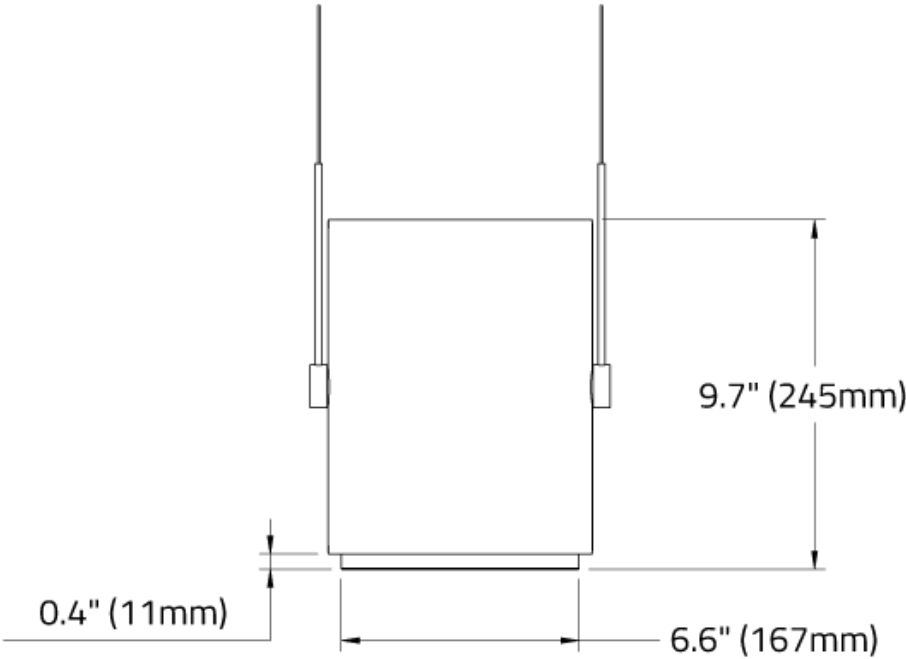
SNOOTS



MATREX RD DUAL™ - SUSPENDED

LOUVRE

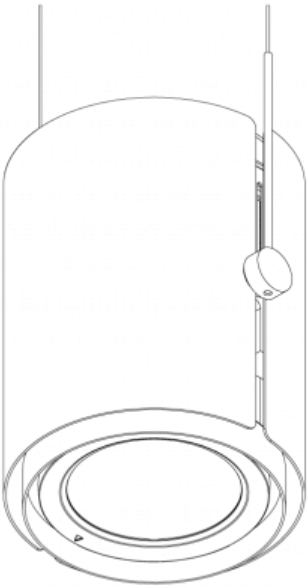
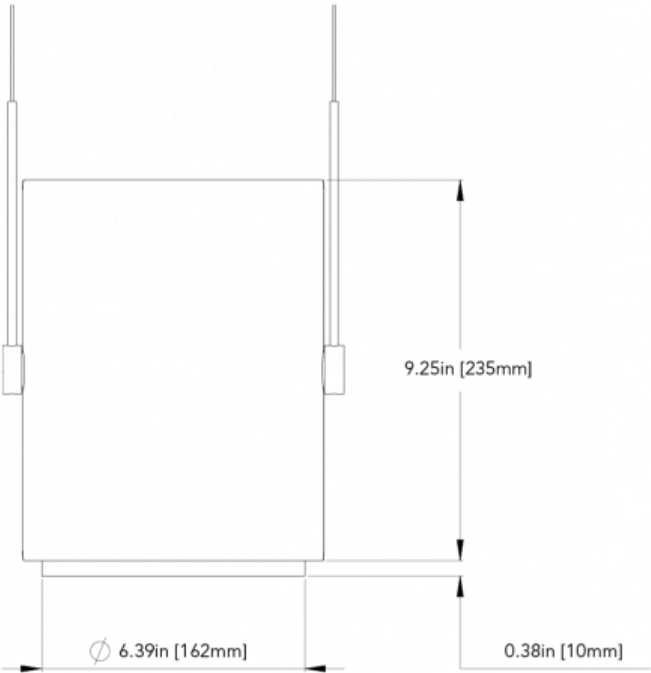
HEX CELL LOUVRE



MATREX RD DUAL™ - SUSPENDED

Matrex Round PD - COB

Matrex RD PD - COB



Isometric View

