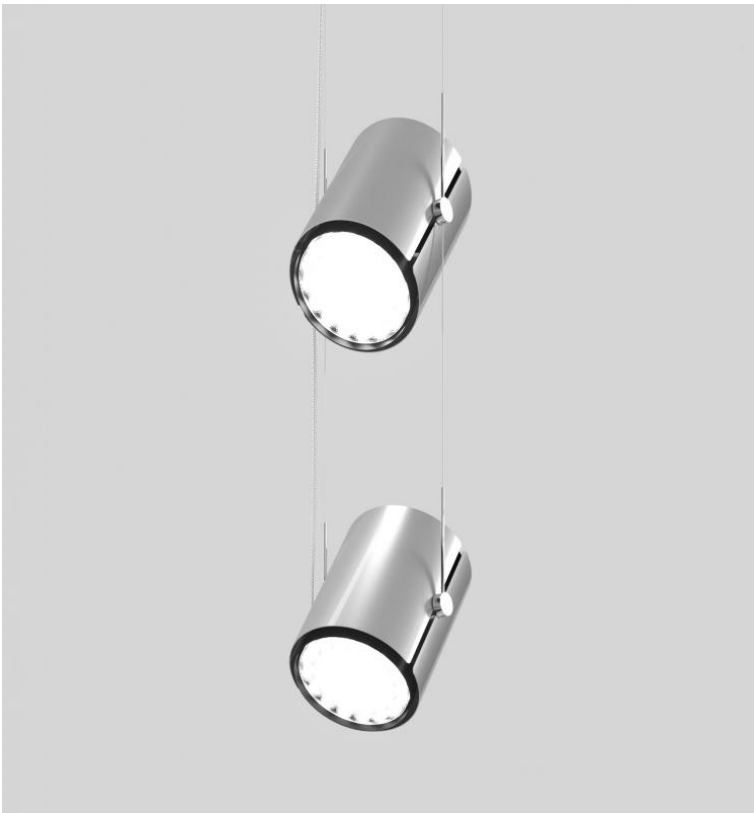


MATREX RD DUAL™ - SUSPENDED

| | |
|---------------|---------------|
| 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.

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.

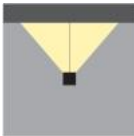
OPTICS & FEATURES



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 |
|---------------------|---------------------|----------------------------------|-----------------------------------|

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 | | |
|---------------------|----------------------------------|--|--|

¹ Not available with COB / Reflector.

E. CCT

| | | | |
|---------------------------------|--------------------|--------------------|--------------------|
| CTA27 2700K ¹ | 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 240V ¹ | V3 347V ² | |
|--------------------|-----------------------------|-----------------------------|--|

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} |
|---|--|

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

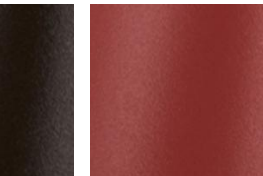

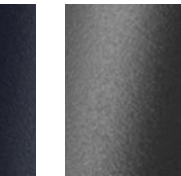
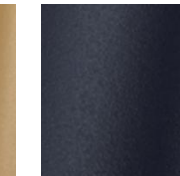
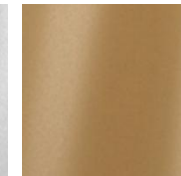


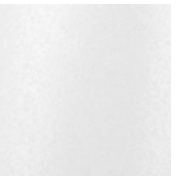
TECHNICAL DATA

LUMINAIRE

All data shown at max output and nominal values.

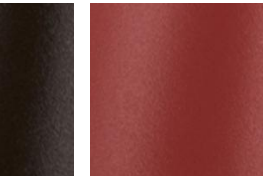
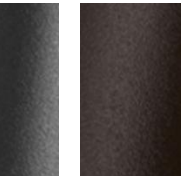
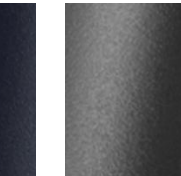
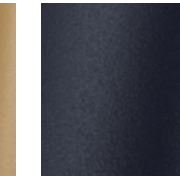
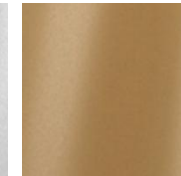


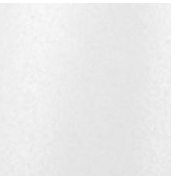
| Code | MRDP1P01 | MRDP2P01 | MRDP3P01 | MRDP1P02 | MRDP2P02 | MRDP3P02 |
|-------------------|-------------|-----------------|-----------|-------------|-----------------|-----------|
| Light Direction | Double Down | Direct/Indirect | Double Up | Double Down | Direct/Indirect | Double Up |
| Max Wattage | 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

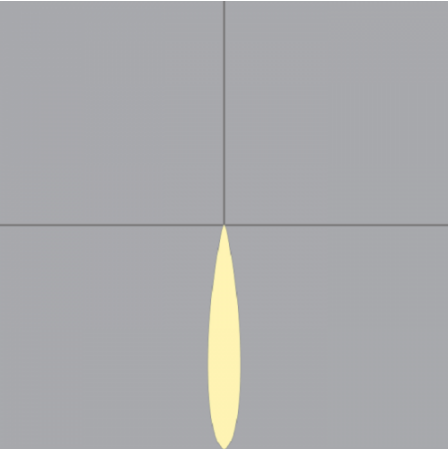
APPROVALS



MATREX RD DUAL™ - SUSPENDED

PERFORMANCE DATA

DIRECT 15° BEAM ANGLE

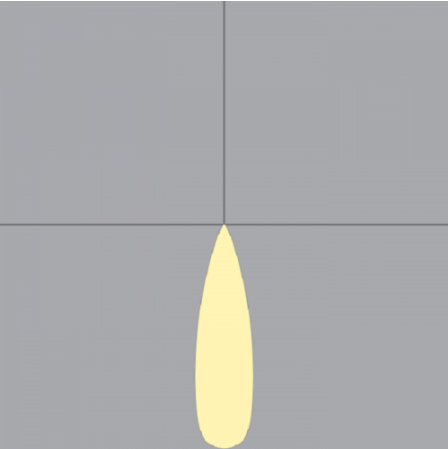


| WATTS |
|-------|
| 38 |
| 82 |
| 130 |
| 186 |

| LUMENS |
|--------|
| 5000 |
| 9800 |
| 14800 |
| 20000 |

| LPW |
|-----|
| 132 |
| 121 |
| 114 |
| 106 |

DIRECT 30° BEAM ANGLE

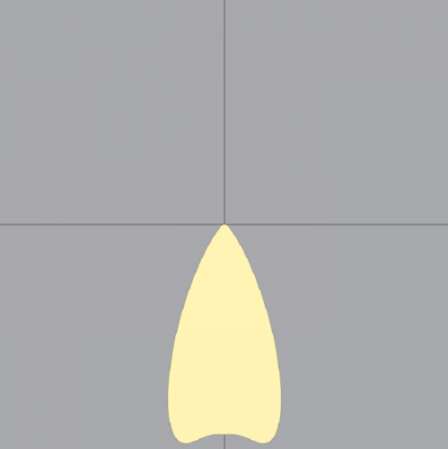


| WATTS |
|-------|
| 38 |
| 82 |
| 130 |
| 186 |

| LUMENS |
|--------|
| 5000 |
| 10050 |
| 15000 |
| 20100 |

| LPW |
|-----|
| 135 |
| 124 |
| 116 |
| 108 |

DIRECT 50° BEAM ANGLE



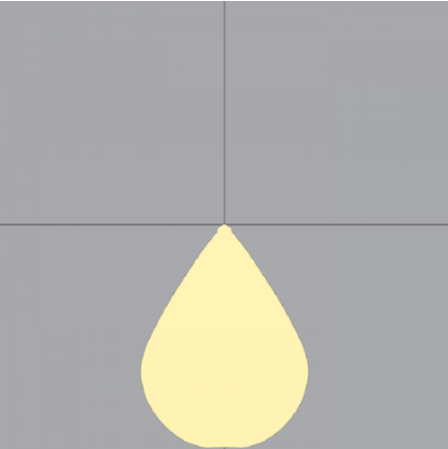
| WATTS |
|-------|
| 38 |
| 82 |
| 130 |
| 186 |

| LUMENS |
|--------|
| 4800 |
| 9600 |
| 14200 |
| 19000 |

| LPW |
|-----|
| 128 |
| 117 |
| 110 |
| 102 |

MATREX RD DUAL™ - SUSPENDED

DIRECT 70° BEAM ANGLE



| WATTS |
|-------|
| 38 |
| 82 |
| 130 |
| 186 |

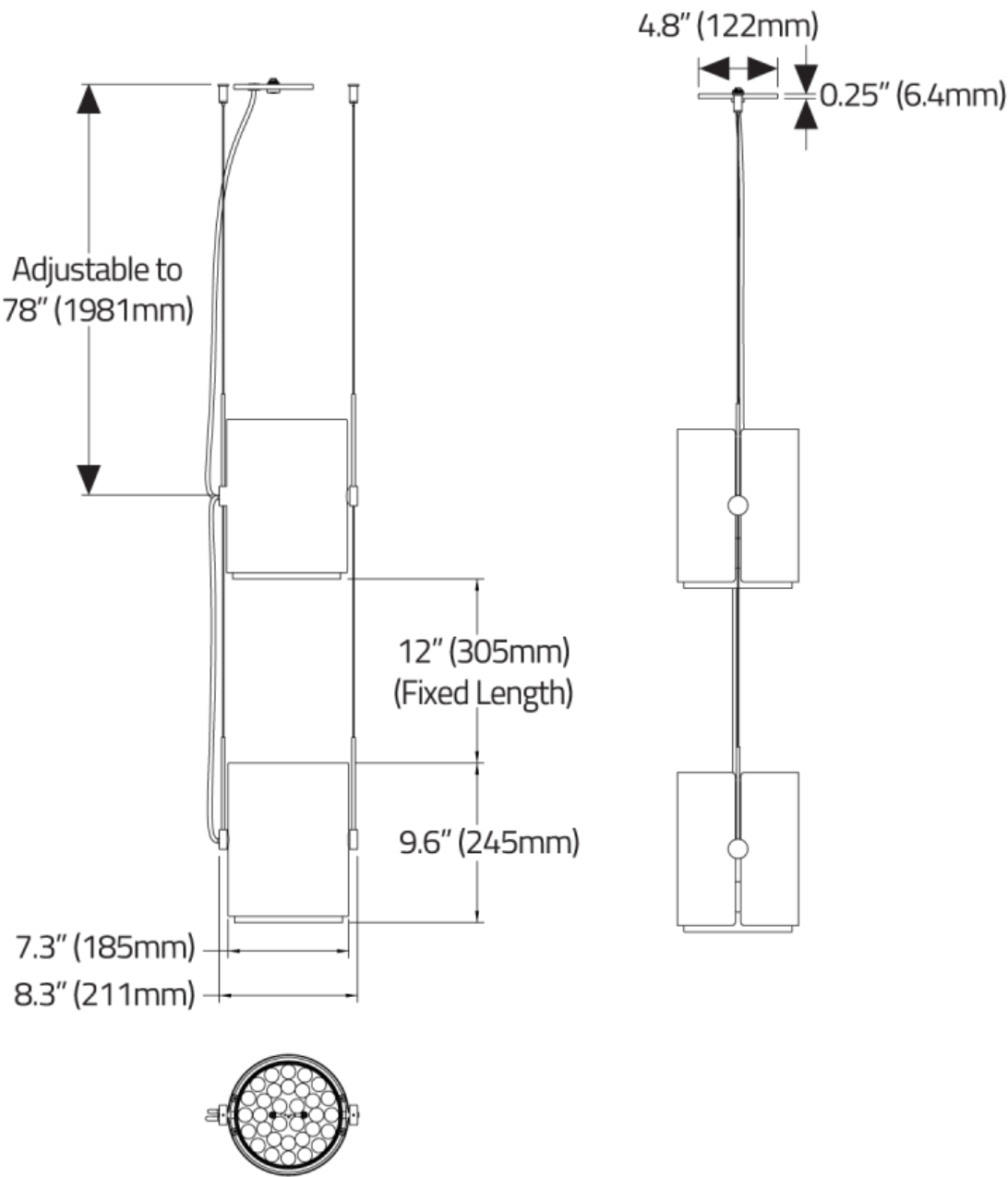
| LUMENS |
|--------|
| 4800 |
| 9600 |
| 14400 |
| 19200 |

| LPW |
|-----|
| 129 |
| 118 |
| 111 |
| 103 |

MATREX RD DUAL™ - SUSPENDED

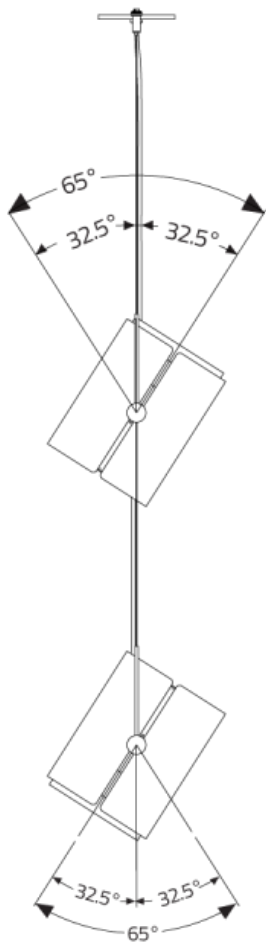
DIMENSIONAL DIAGRAMS

FIXTURE PROFILE

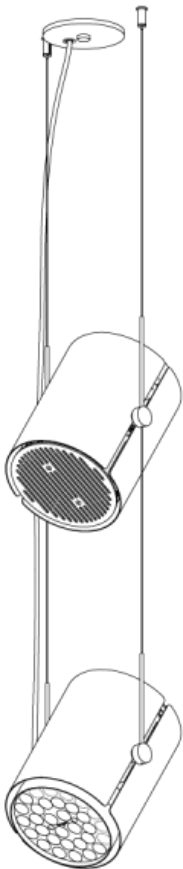


MATREX RD DUAL™ - SUSPENDED

DIRECT/INDIRECT



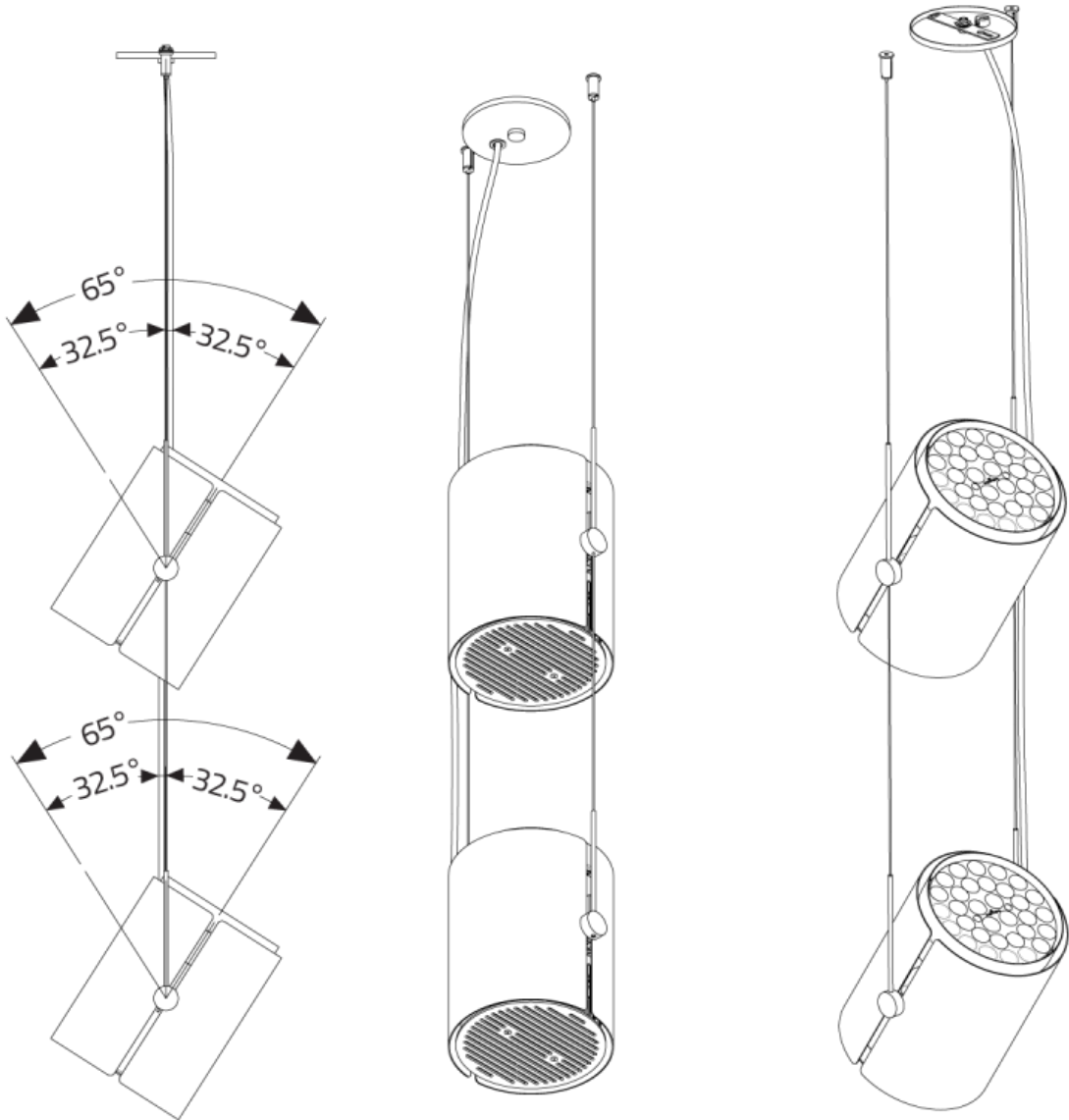
ISOMETRIC BOTTOM VIEW
(STRAIGHT)



ISOMETRIC VIEW
(ANGLED)

MATREX RD DUAL™ - SUSPENDED

DOUBLE UP

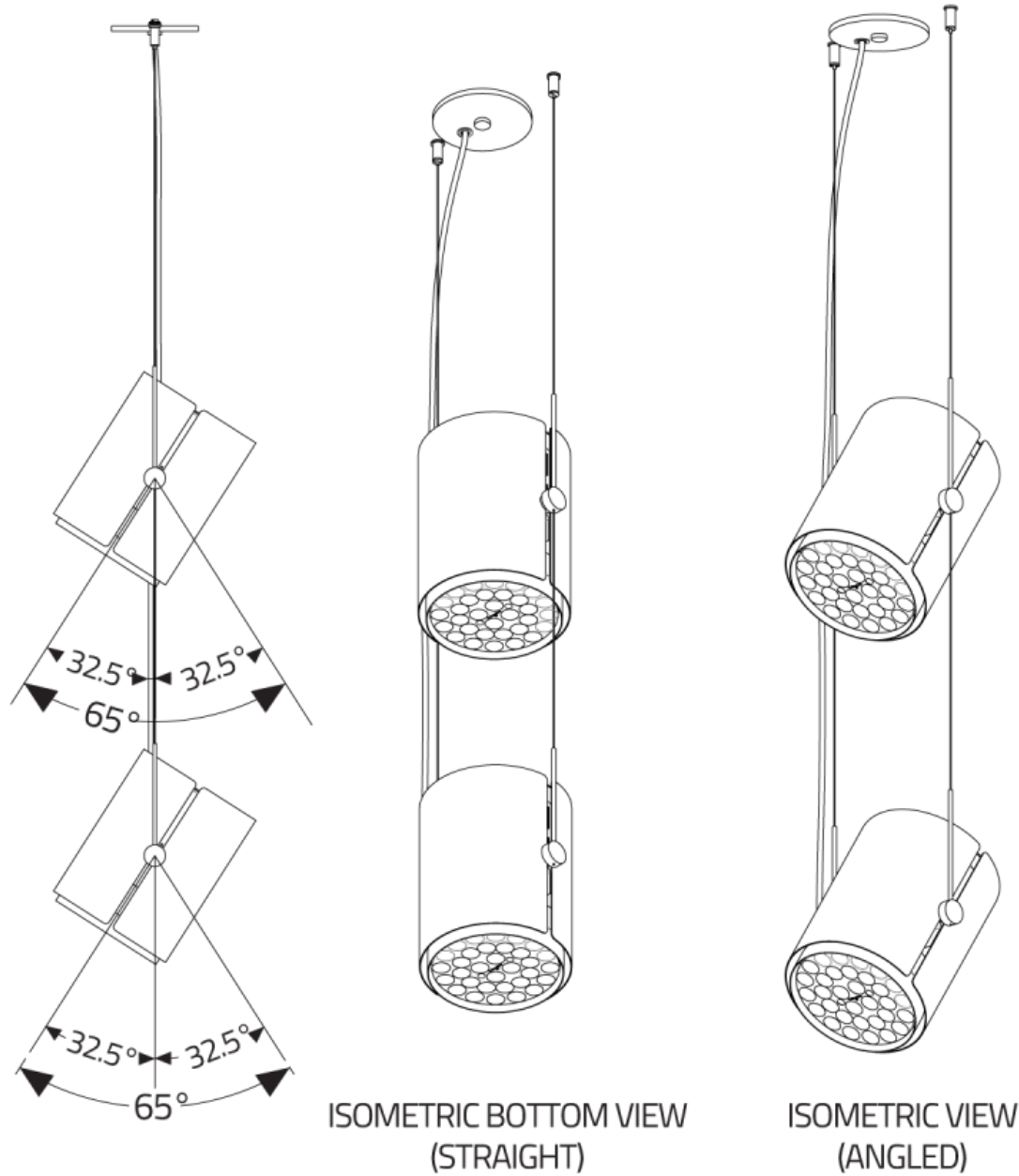


ISOMETRIC BOTTOM VIEW
(STRAIGHT)

ISOMETRIC VIEW
(ANGLED)

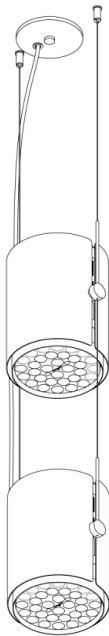
MATREX RD DUAL™ - SUSPENDED

DOUBLE DOWN



MATREX RD DUAL™ - SUSPENDED

SEPARATE SWITCHING (CS1, CS2)



SINGLE SWITCHING

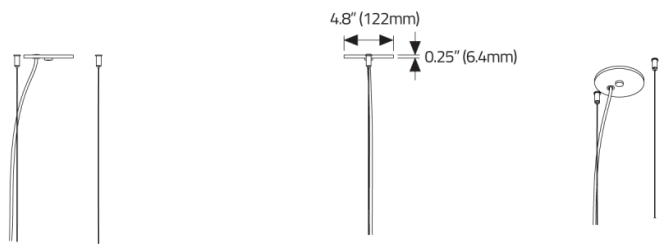


SEPARATE SWITCHING
(Two power cables supplied)

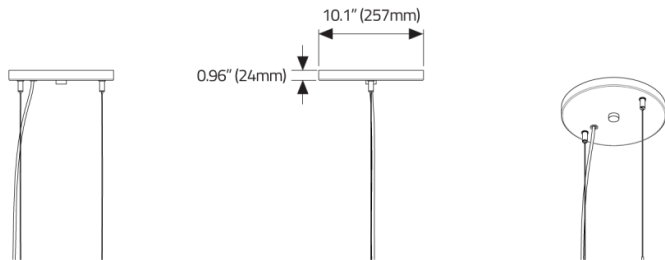
MATREX RD DUAL™ - SUSPENDED

CANOPIES

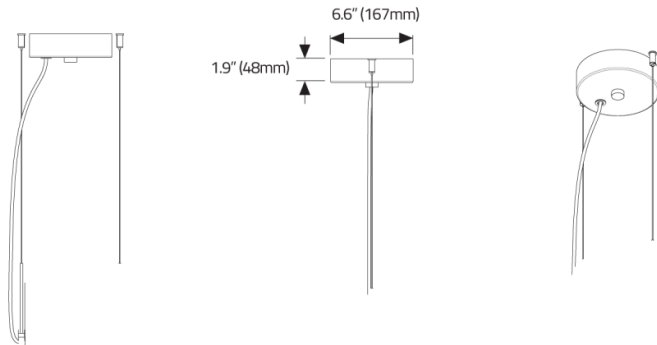
CANOPY A



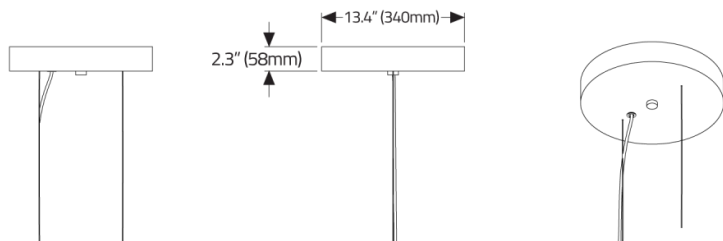
CANOPY B



CANOPY C

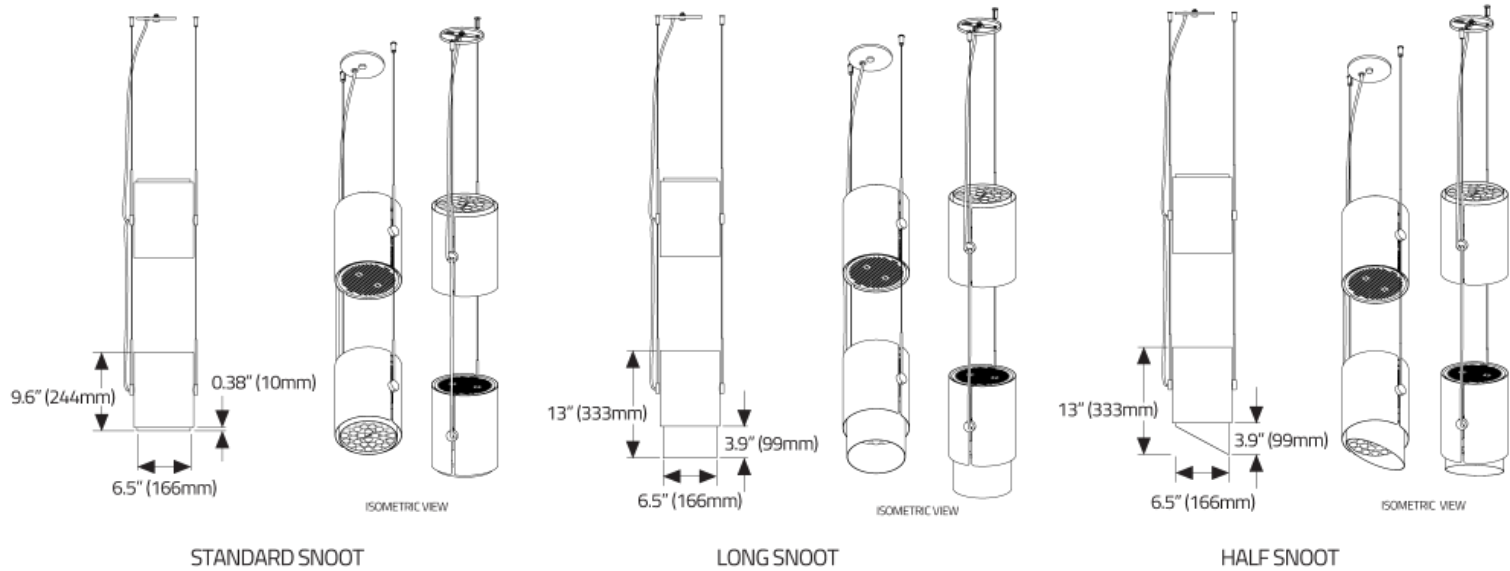


CANOPY D



MATREX RD DUAL™ - SUSPENDED

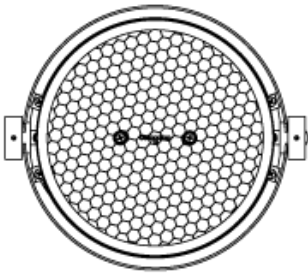
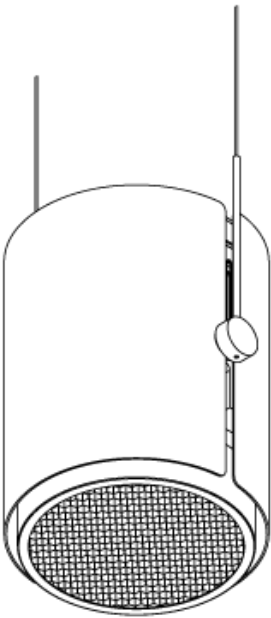
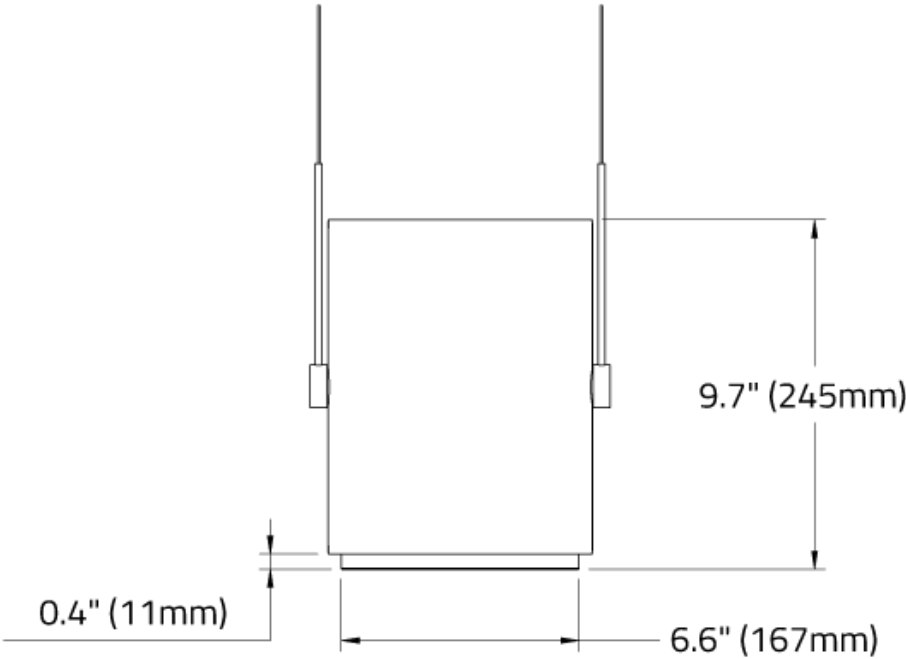
SNOOTS



MATREX RD DUAL™ - SUSPENDED

LOUVRE

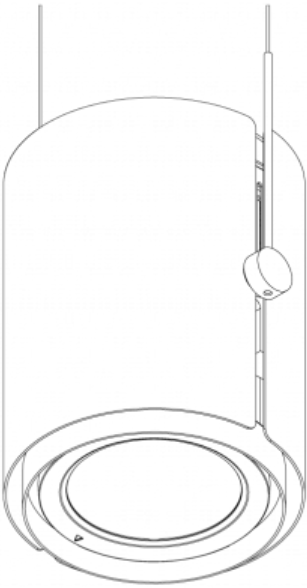
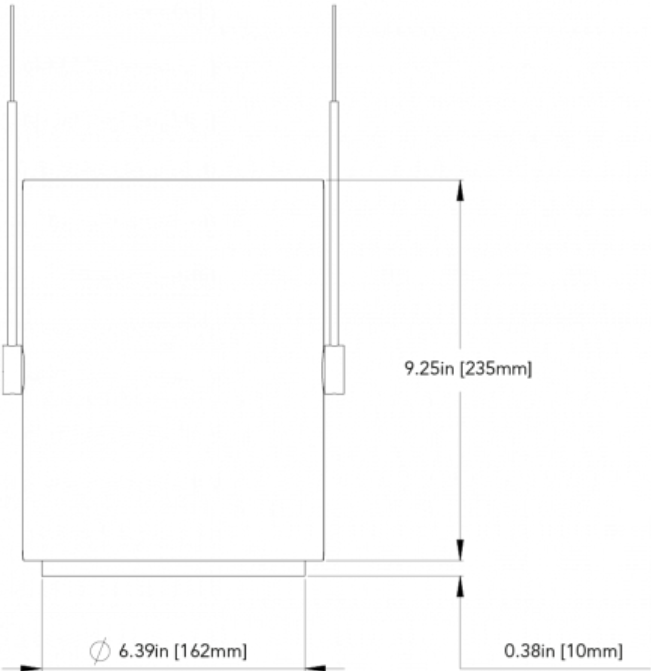
HEX CELL LOUVRE



MATREX RD DUAL™ - SUSPENDED

Matrex Round PD - COB

Matrex RD PD - COB



Isometric View

