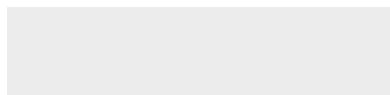
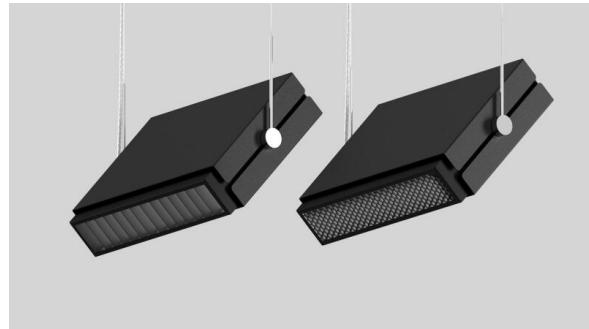


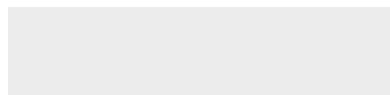


# MATREX SINGLE™

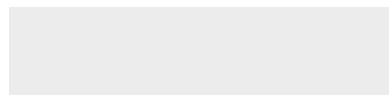
## FULL SPECIFICATION SHEET



Fixture Type



Fixture Code

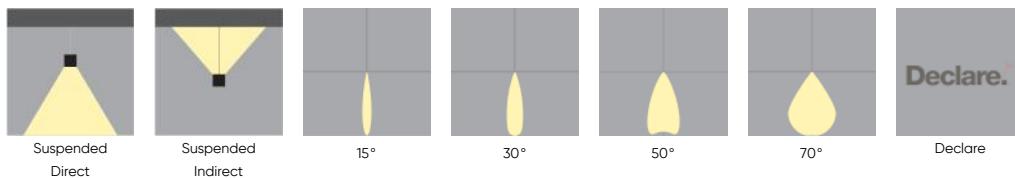


Quantities

### 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**

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 or switch box (by others - North America only), depending on canopy selection.

**DELIVERED LUMENS**

Delivered lumens & lumen 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 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.

**DESIGN**

US Pat. No. D917,765.

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

**FINISH - CANOPY****6 HOW TO ORDER****1. LUMINAIRE****MATP1P01** Direct, 9200 lms**MATP2P01** Indirect, 9200 lms

All data shown at max output and nominal values.

**2. LUMENS****LMA0230** 2300**LMA0460** 4600**LMA0690** 6900**LMA0920** 9200

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

**3. CRI****CR80** CRI 80+**CR90** CRI 90+**4. CCT****CTA30** 3000K**CTA35** 3500K**CTA40** 4000K**CTA27** 2700K <sup>1</sup><sup>1</sup> 2700K is only available with CRI 80+**5. BEAM ANGLE****BA15** 15°**BA30** 30°**BA50** 50°**BA70** 70°**BA80** 50°x80° <sup>1</sup><sup>1</sup> For use with NT8 Ladder Louver only.

## 6. VOLTAGE

**V1** 120/277V

**V2** 240V<sup>1</sup>

**V3** 347V<sup>2</sup>

<sup>1</sup> Not available in North America. <sup>2</sup> Only available with DA01 dimming.

## 7. DIMMING

**DA01** 0-10V Dimming 1.0%

**DA02** 0-10V Dimming 0.1%<sup>1</sup>

**DA20** DALI Dimming 0.1%<sup>1</sup>

**DA21** DALI Dimming 1.0%<sup>1</sup>

**DA30** DSI/switchDim<sup>1,2</sup>

**DA40** DMX Dimming<sup>1,3</sup>

<sup>1</sup> Not available with 347V. <sup>2</sup> Not available in North America. <sup>3</sup> Must be used with CN4 canopy only.

## 8. 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

## 9. CANOPY

**CN1** Canopy A<sup>1</sup>

**CN2** Canopy B<sup>2</sup>

**CN3** Canopy C<sup>1,3</sup>

**CN4** Canopy D<sup>1,\*</sup>

<sup>1</sup> Fits over a standard j-box (provided by others). <sup>2</sup> Fits over a switch box (provided by others, 4" x 2.125"). <sup>3</sup> For use with V2 (240V) only.

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

## 10. 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

## 11. SNOOTS AND LOUVERS

**NT1** Standard Snoot - Black<sup>1</sup>

**NT2** Standard Snoot - White<sup>1</sup>

**NT3** Long Snoot - Black<sup>1</sup>

**NT4** Long Snoot - White<sup>1</sup>

**NT7** Hex Louver - Black<sup>2</sup>

**NT8** Ladder Louver - Black<sup>3</sup>

For precise beam angle and lumen output, please refer to the IES files. Note that using snoots and louvers may decrease overall efficacy.

<sup>1</sup> Snoot must be picked at time of order, if not ordering a louver. <sup>2</sup> Unavailable with BA70 beam angle or indirect.

<sup>3</sup> Available with BA80 beam angle and 2300 lumens only and Direct only.

## 12. EMERGENCY

**E0** Emergency system not required

**E1** Emergency system - Integral <sup>1 2</sup>

<sup>1</sup> Drivers are in the canopy. Not available with 347V. Two power cables will be supplied. <sup>2</sup> CN4 canopy only used when ordering emergency or DMX.

## 7 TECHNICAL DATA

### LUMINAIRE

All data shown at max output and nominal values.

Code	MATP1P01	MATP2P01
<b>Light Direction</b>	Direct	Indirect
<b>Wattage</b>	82W	82W
<b>Delivered lms</b>	9200	9200
<b>LPW</b>	130	130

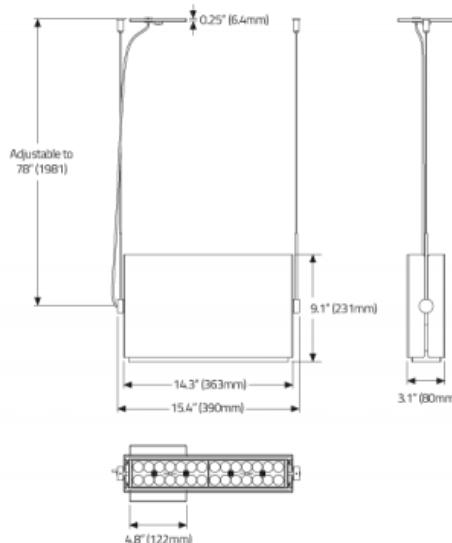
## 8 PERFORMANCE DATA

DIRECT 15° BEAM ANGLE	WATTS	LUMENS	LPW	DIRECT 30° BEAM ANGLE	WATTS	LUMENS	LPW
	16	2300	138		16	2200	140
	36	4500	127		36	4600	127
	57	6800	118		57	6900	118
	82	9000	110		82	9200	110

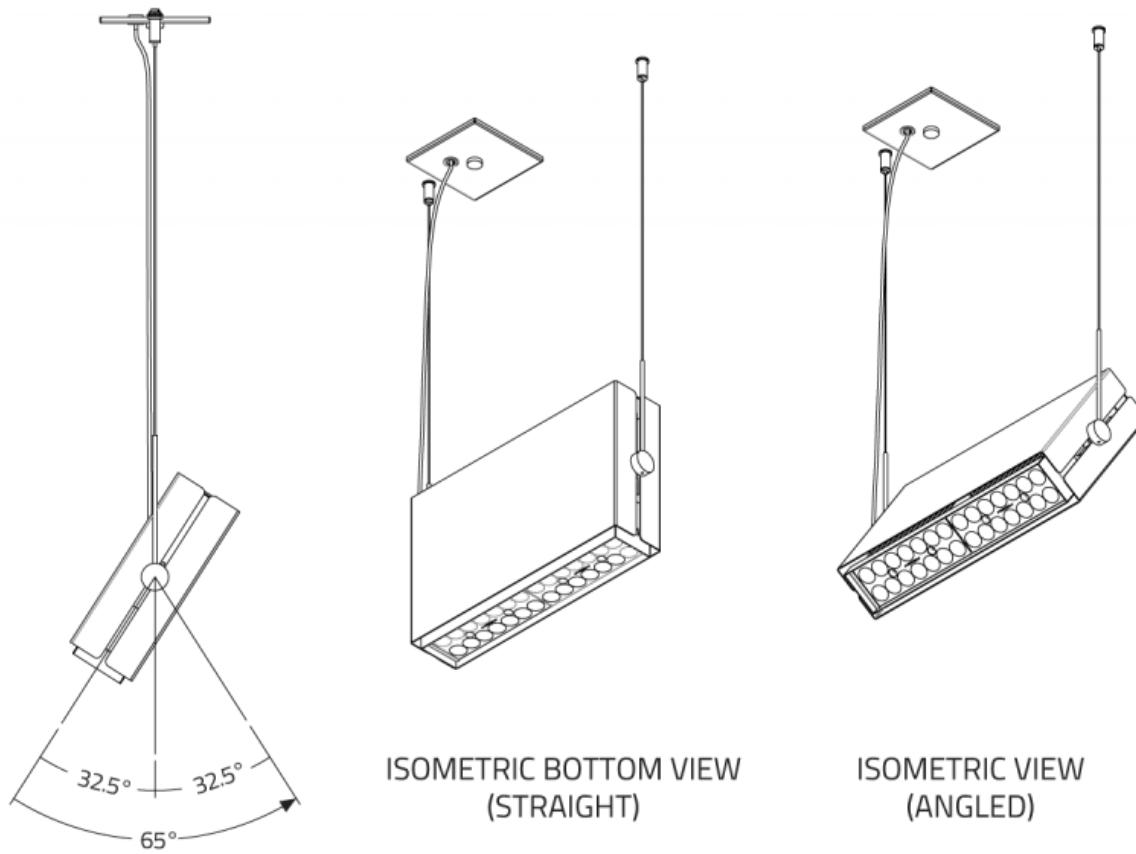
DIRECT 50° BEAM ANGLE	WATTS	LUMENS	LPW	DIRECT 70° BEAM ANGLE	WATTS	LUMENS	LPW
	16	2200	133		16	2200	134
	36	4400	123		36	4400	123
	57	6500	114		57	6600	115
	82	8700	107		82	8800	107

9 DIMENSIONAL DIAGRAMS

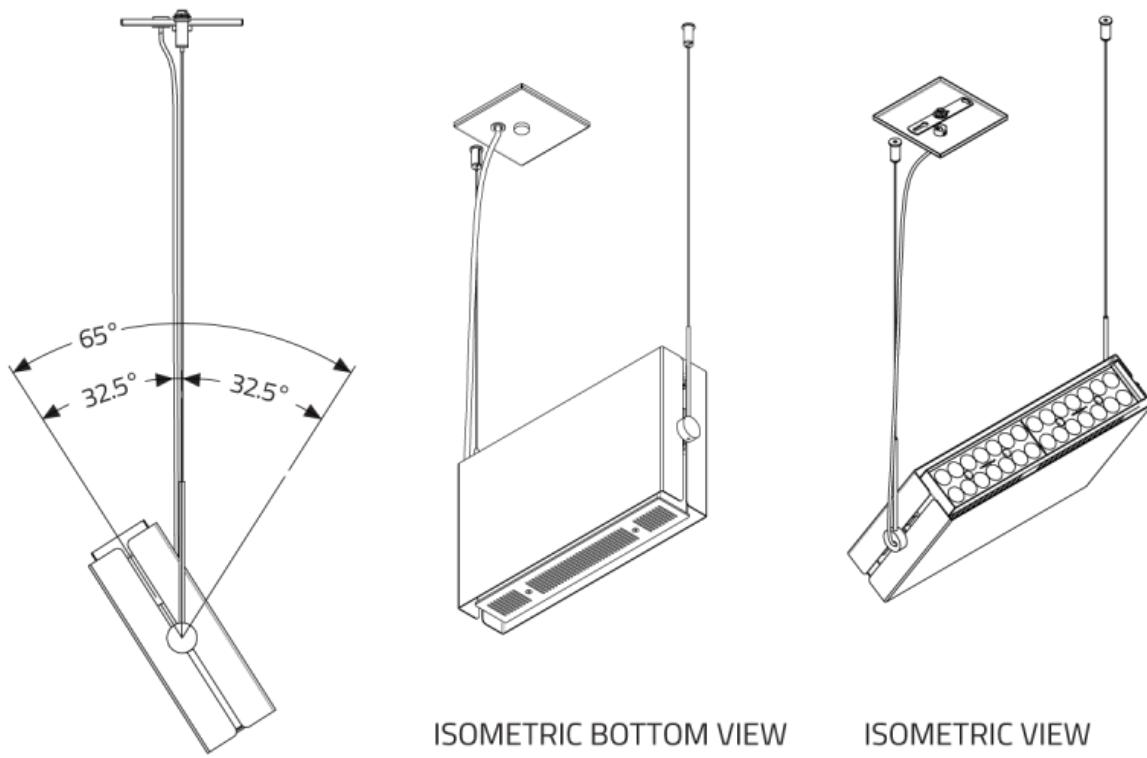
PROFILE



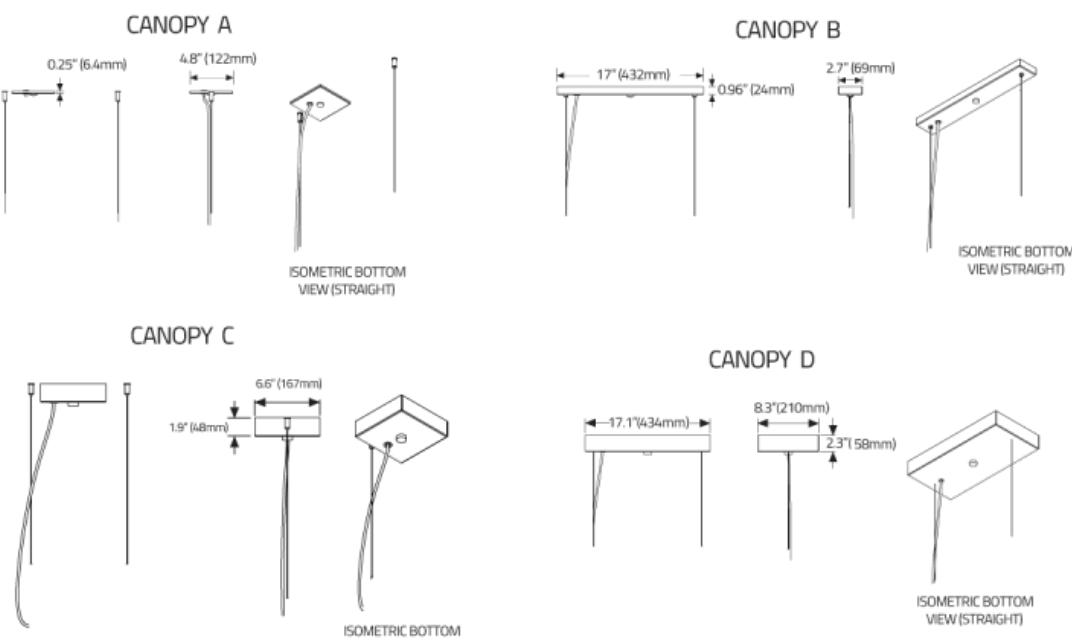
DIRECT



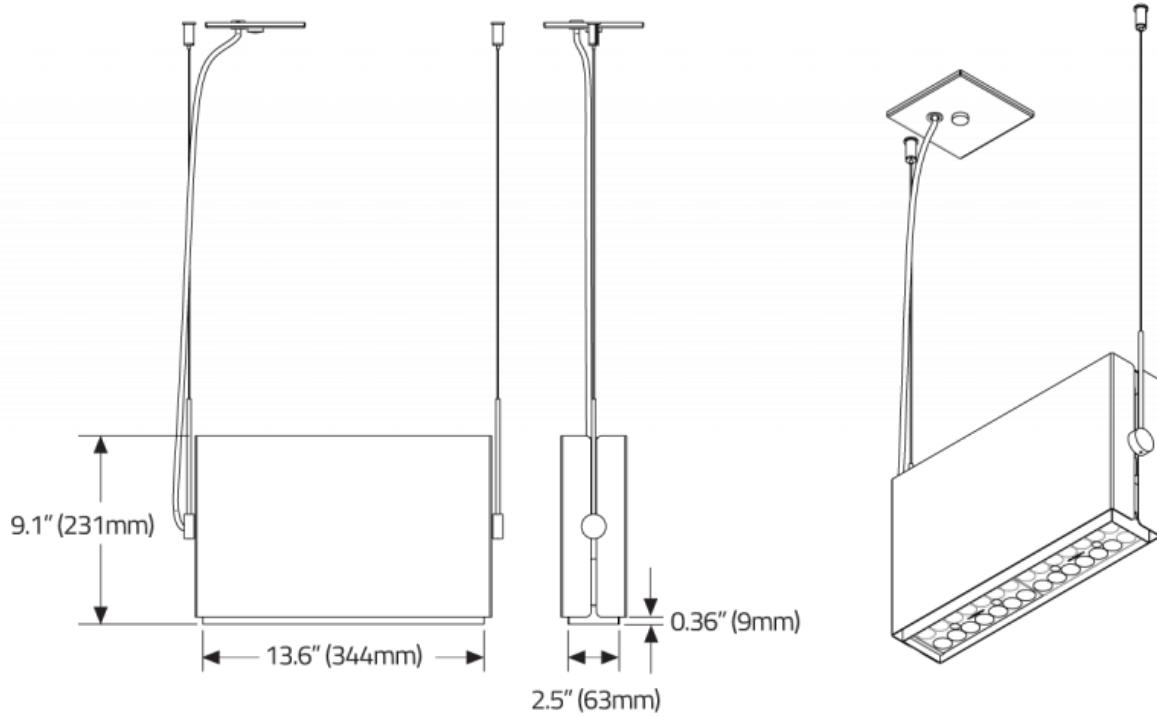
INDIRECT



CANOPIES



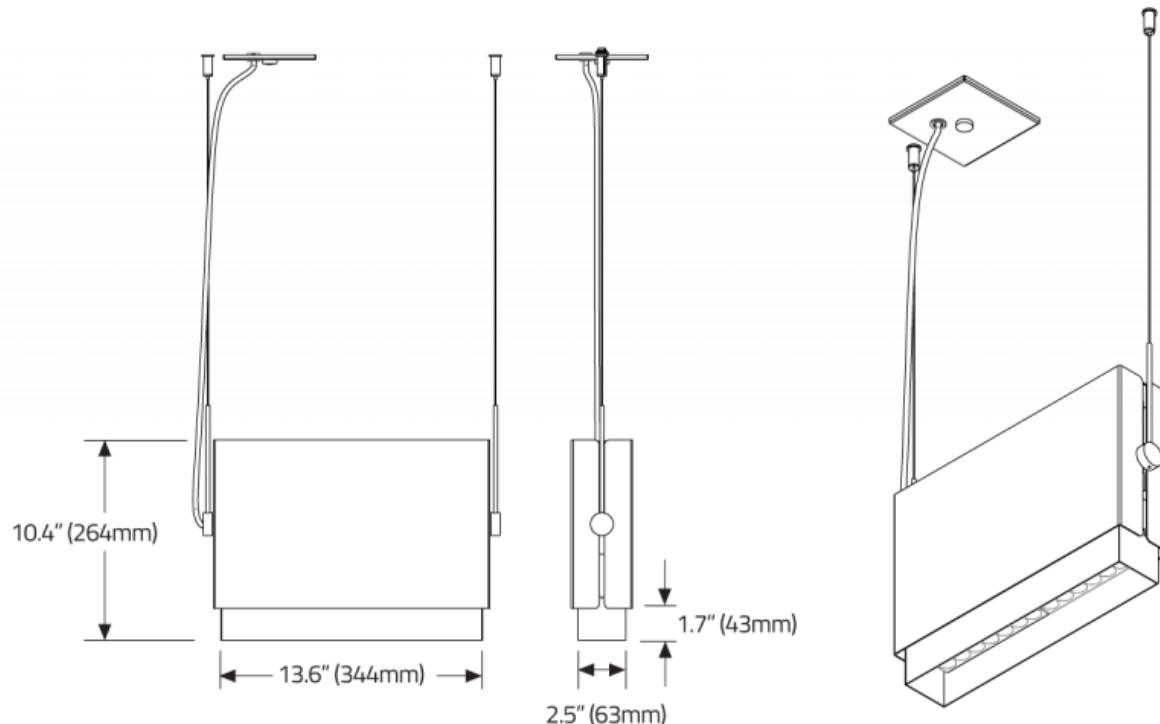
STANDARD SNOOT



STANDARD SNOOT

ISOMETRIC BOTTOM VIEW  
(STANDARD SNOOT)

LONG SNOOT

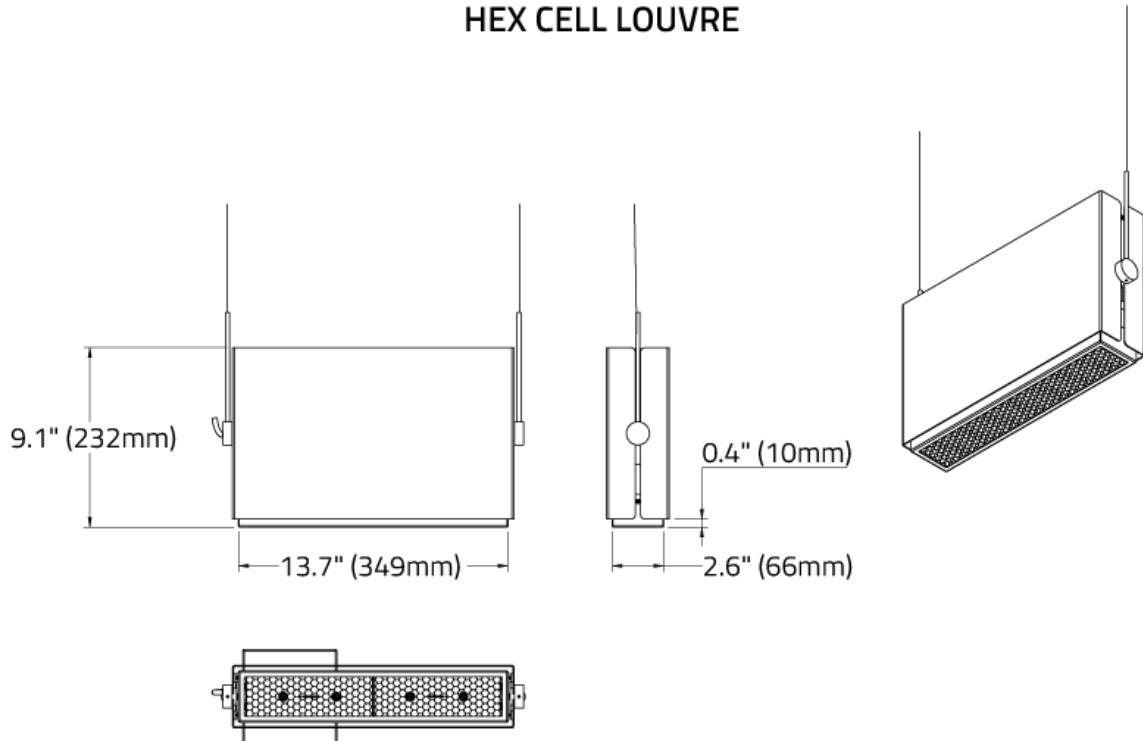


LONG SNOOT

ISOMETRIC BOTTOM VIEW  
(LONG SNOOT)

LOUVRES

**HEX CELL LOUVRE**



**LADDER LOUVRE**

