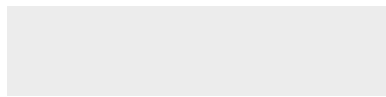
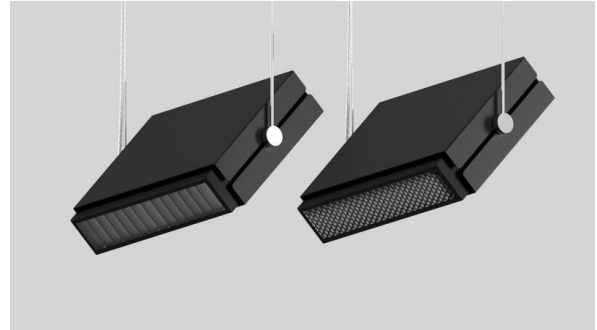


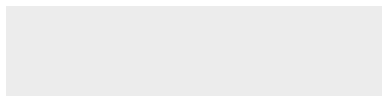


# MATREX SINGLE™

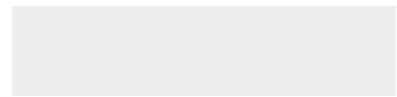
## FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE

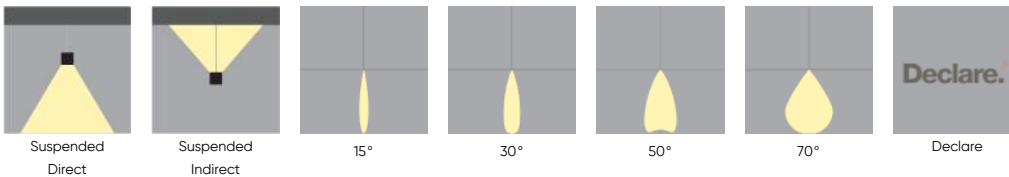


QUANTITIES

### 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 & lpw 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

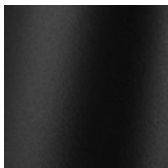
US Pat. No. D917,765.

## 5 DESIGN OPTIONS

### FINISH – FIXTURE



White



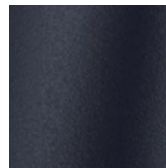
Black  
Metallic –  
Textured



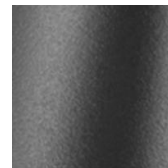
Silver  
Metallic –  
Textured



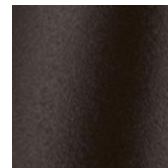
Gold Metallic  
– Textured



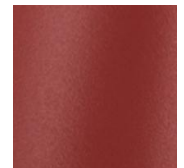
Midnight  
Blue Metallic  
– Textured



Charcoal  
Metallic –  
Textured



Bronze  
Metallic –  
Textured



Red Metallic  
– Textured

## 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"x2.125"). <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

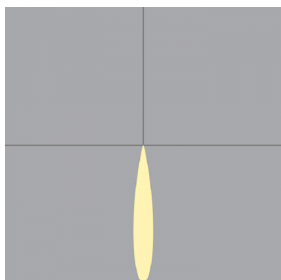
### LUMINAIRE

All data shown at max output and nominal values.

Code	MATP1P01	MATP2P01
Light Direction	Direct	Indirect
Wattage	82W	82W
Delivered lms	9200	9200
LPW	130	130

## 8 PERFORMANCE DATA

### DIRECT 15° BEAM ANGLE



#### WATTS

16  
36  
57  
82

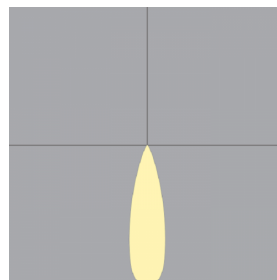
#### LUMENS

2300  
4500  
6800  
9000

#### LPW

138  
127  
118  
110

### DIRECT 30° BEAM ANGLE



#### WATTS

16  
36  
57  
82

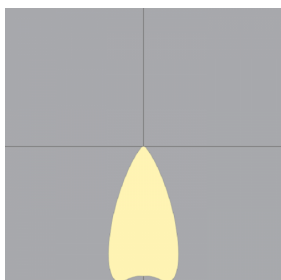
#### LUMENS

2200  
4600  
6900  
9200

#### LPW

140  
127  
118  
110

### DIRECT 50° BEAM ANGLE



#### WATTS

16  
36  
57  
82

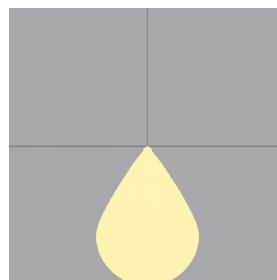
#### LUMENS

2200  
4400  
6500  
8700

#### LPW

133  
123  
114  
107

### DIRECT 70° BEAM ANGLE



#### WATTS

16  
36  
57  
82

#### LUMENS

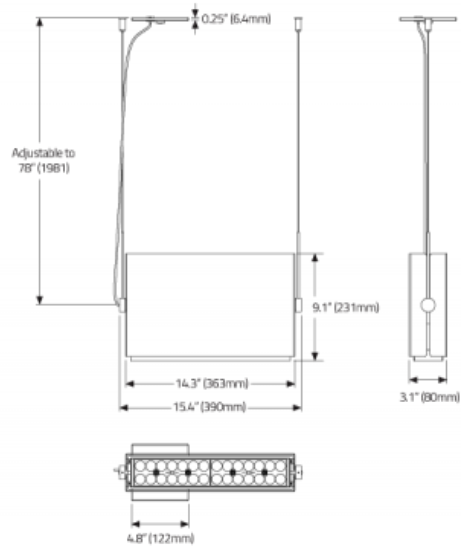
2200  
4400  
6600  
8800

#### LPW

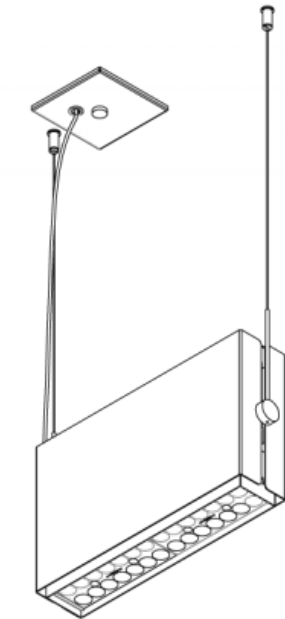
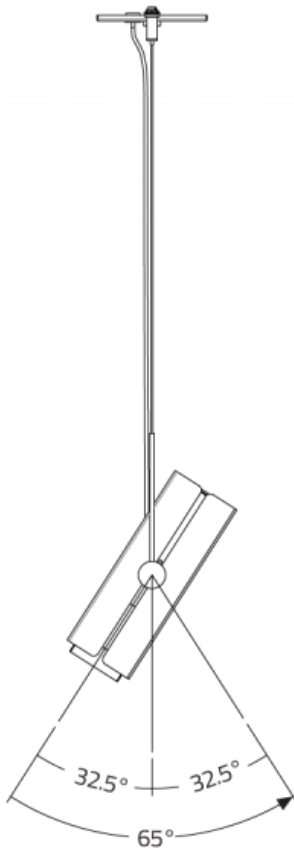
134  
123  
115  
107

9 DIMENSIONAL DIAGRAMS

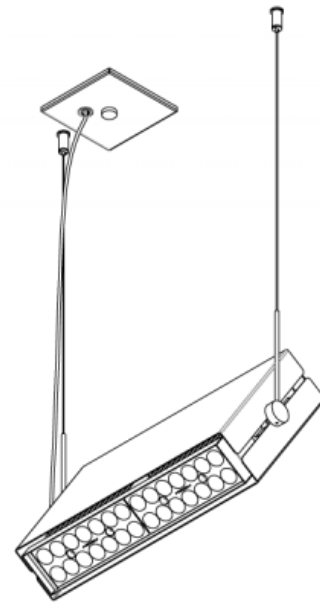
PROFILE



DIRECT

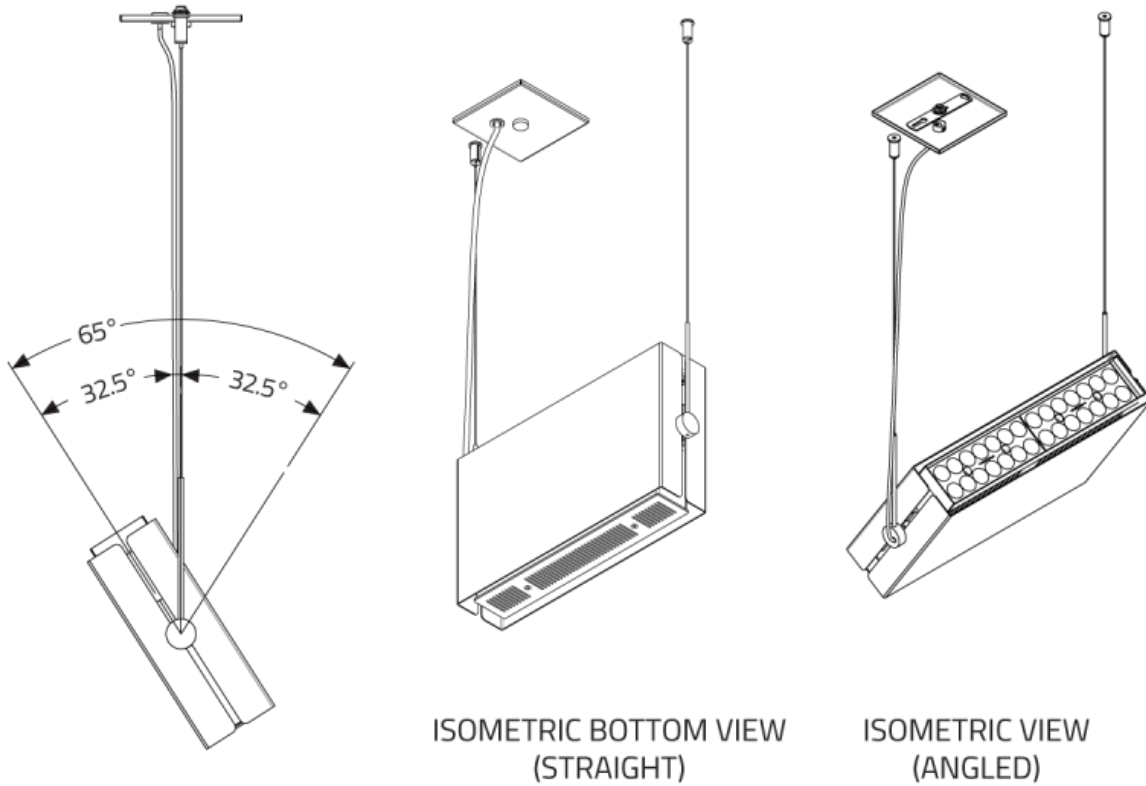


ISOMETRIC BOTTOM VIEW  
(STRAIGHT)

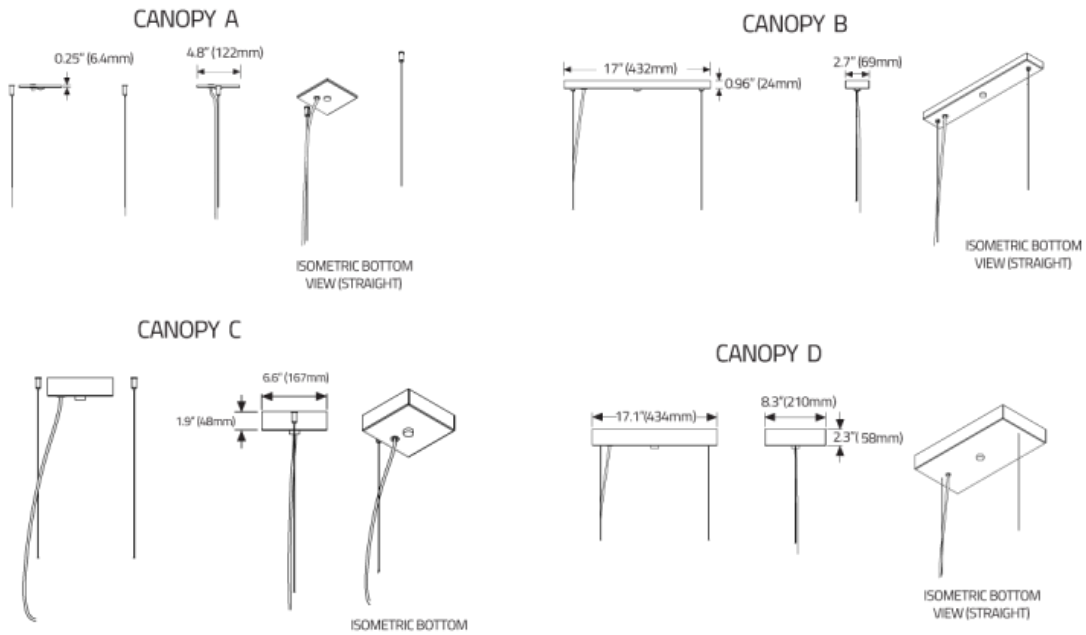


ISOMETRIC VIEW  
(ANGLED)

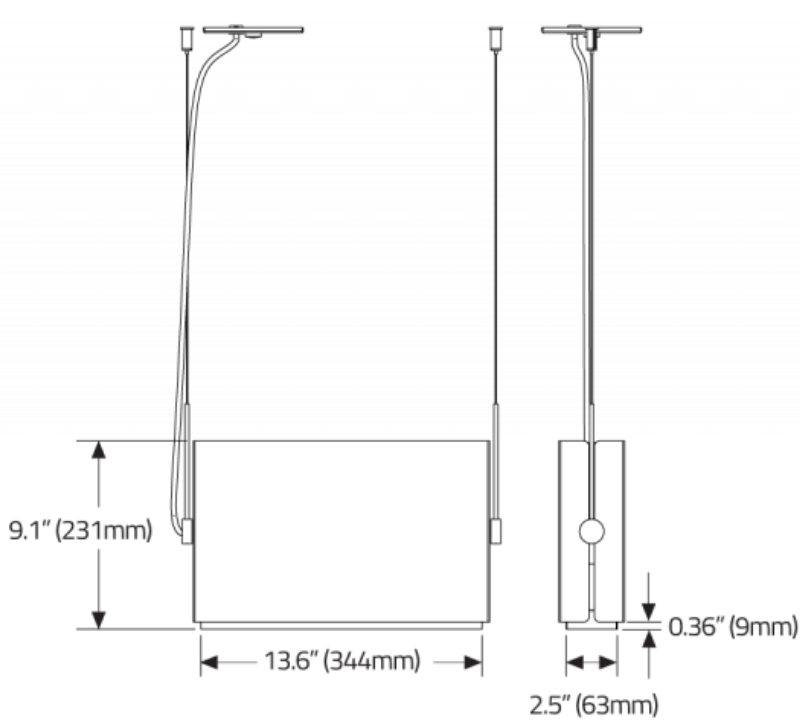
INDIRECT



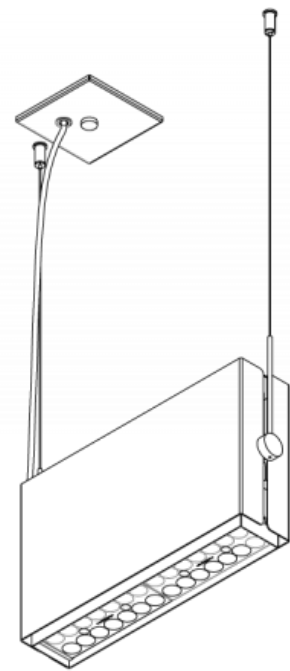
CANOPIES



STANDARD SNOOT

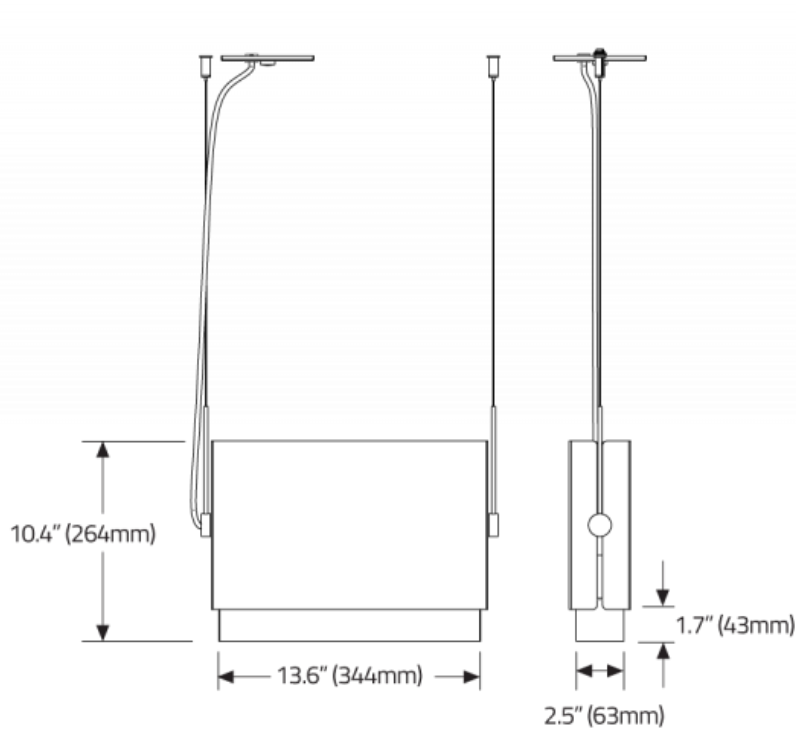


STANDARD SNOOT

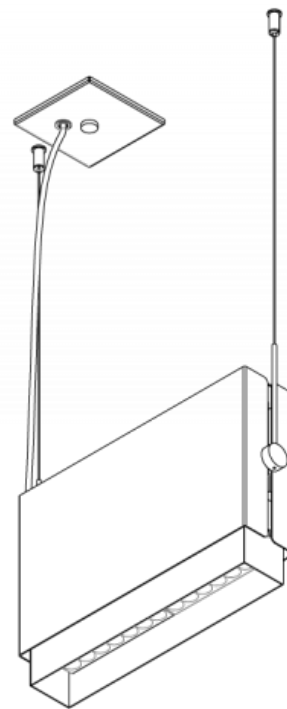


ISOMETRIC BOTTOM VIEW  
(STANDARD SNOOT)

LONG SNOOT



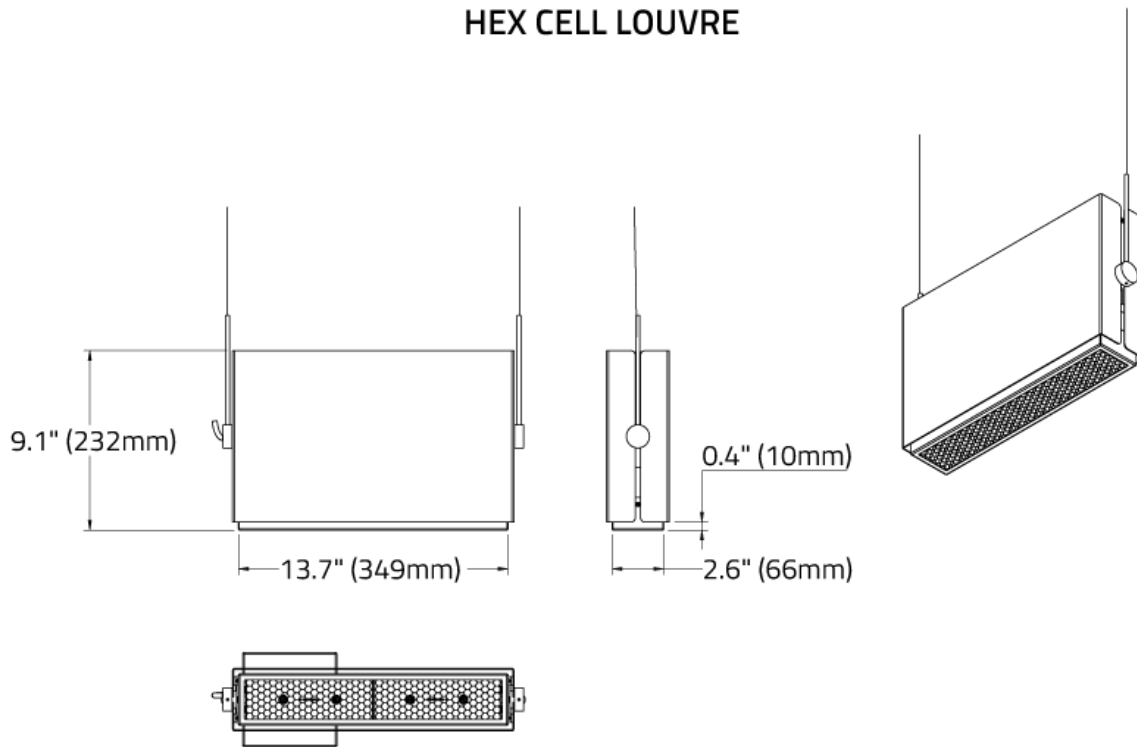
LONG SNOOT



ISOMETRIC BOTTOM VIEW  
(LONG SNOOT)

LOUVRES

HEX CELL LOUVRE



LADDER LOUVRE

