

MATREX DUAL™ - SURFACE

Project Name:

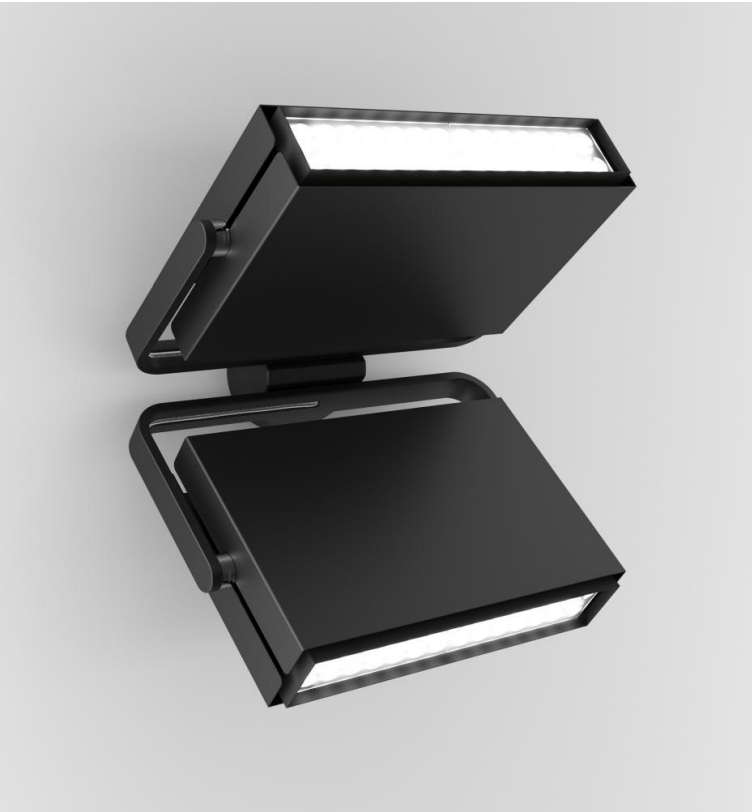
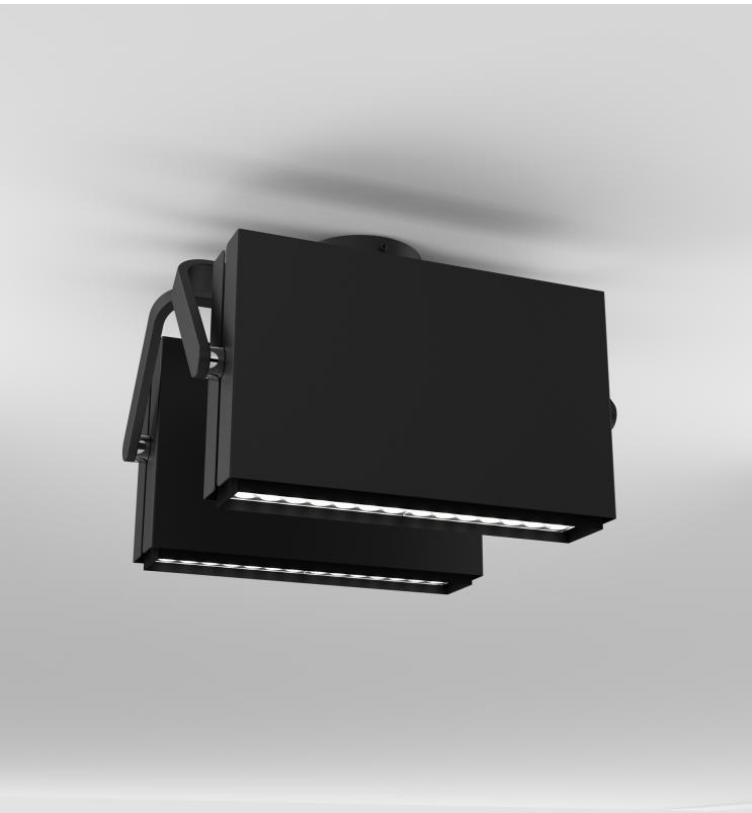
Fixture Type:

Fixture Code:

Quantities:



MATREX DUAL™ - SURFACE



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MATREX Surface brings more mounting flexibility and fixture adjustability to the **MATREX** family, lauded for its compact form factor, unique mounting system, and high lumen output with optics designed for precision. **MATREX** is ideally suited for spaces with multiple ceiling heights, such as atriums.

GENERAL SPECIFICATION

Body and trim

Steel and aluminum.

Drivers

HPF, electronic, 120-277V, 347V (EU-240V). The driver is integral to the fixture housing.

Remote Emergency system

Emergency option provides a 1.5 hour (3 hours for EU) emergency lighting facility. The remote system includes the inverter module, NiCad batteries and a remote wall/ceiling LED charge indicator and test switch (NA only) Maximum distance between wall/ceiling plate and luminaire is 15' (4.5m). Test switch fits a single gang box (not supplied).

Delivered lumens

Delivered lumens & lpm 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.

Sensors

Consult factory regarding sensor compatibility.

Mechanical

Luminaires mount to a junction box or switch box (by others - North America only), depending on canopy selection.

Approvals

Damp Rated.

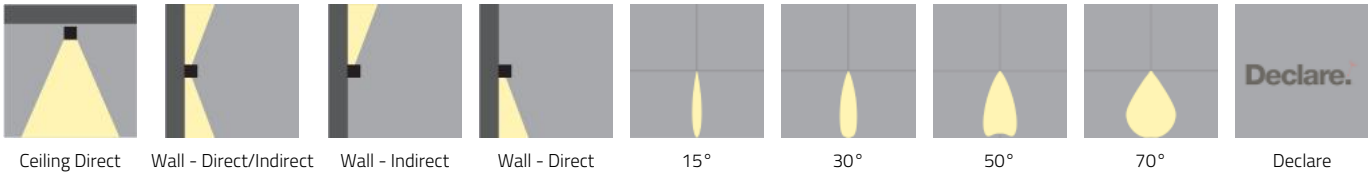
Estimated L70 @25°C (77°F)

>171,000 hrs.

Design

US Pat. No. D917,765.

MOUNTING & OPTICS



Ceiling Direct

Wall - Direct/Indirect

Wall - Indirect

Wall - Direct

15°

30°

50°

70°

Declare



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HOW TO ORDER

A. LUMINAIRE

MXDF1P01 Direct, 18400 lms

All data shown at max output and nominal values.

B. LUMENS (HEAD A)

LMA0230 2300

LMA0460 4600

LMA0690 6900

LMA0920 9200

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

C. LUMENS (HEAD B)

LMB0230 2300

LMB0460 4600

LMB0690 6900

LMB0920 9200

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

D. CRI

CR80 CRI 80+

CR90 CRI 90+

E. CCT

CTA27 2700K¹

CTA30 3000K

CTA35 3500K

CTA40 4000K

¹ 2700K is only available with CRI 80+

F. BEAM ANGLE (HEAD A)

BA15 15°

BA30 30°

BA50 50°

BA70 70°

BA80 50°x80°¹

¹ Available with NT8 Ladder Louver only.

G. BEAM ANGLE (HEAD B)

BB15 15°

BB30 30°

BB50 50°

BB70 70°

BB80 50°x80°¹

H. VOLTAGE

V1 120/277V

V2 240V¹

V3 347V²

¹ Not available in North America.

² Only available with DA01 dimming.

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}

¹ Not available with V3.

² Not available in North America.



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J. 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. SNOOTS AND LOUVERS (HEAD A)

NT1 Standard Snoot - Black ¹	NT2 Standard Snoot - White ¹	NT3 Long Snoot - Black ¹	NT4 Long Snoot - White ¹
NT7 Hex Louver - Black ²	NT8 Ladder Louver - Black ³		

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

¹ A snoot must be picked at time of order, if you are not ordering a louver.

² Not available with BA70 beam angle.

³ Available with BA80 beam angle and 2300 lumens only.

L. SNOOTS AND LOUVERS (HEAD B)

NU1 Standard Snoot - Black ¹	NU2 Standard Snoot - White ¹	NU3 Long Snoot - Black ¹	NU4 Long Snoot - White ¹
NU7 Hex Louver - Black ²	NU8 Ladder Louver - Black ³		

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

¹ A snoot must be picked at time of order, if you are not ordering a louver.

² Not available with BB70 beam angle.

³ Available with BB80 beam angle and 2300 lumens only.

M. EMERGENCY

E0 Emergency system not required	E2 Emergency system - Remote ¹
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¹ Remote emergency in the lower module only. Not available with V3. Integral is not available.

N. SEPARATE SWITCHING

CS1 Single circuit	CS2 Separate switching
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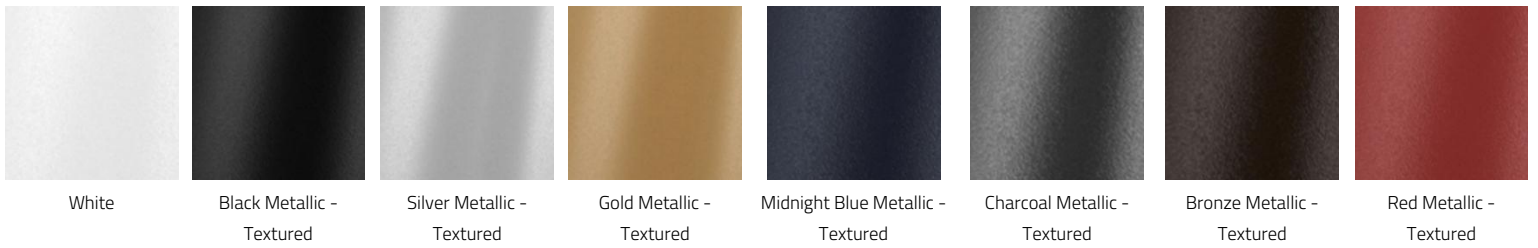
TECHNICAL DATA

LUMINAIRE

All data shown at max output and nominal values.

Code	MXDF1P01
Light Direction	Direct
Wattage	164
Delivered lms	18400
LPW	130

FINISH - FIXTURE



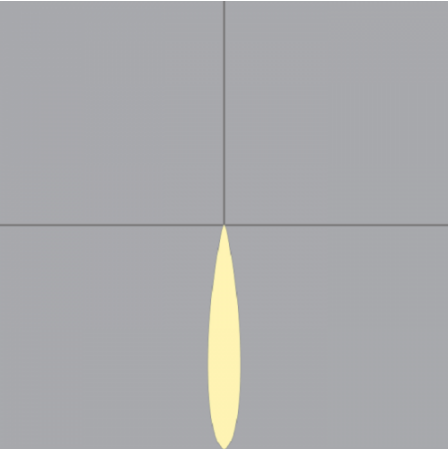
APPROVALS



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PERFORMANCE DATA

DIRECT 15° BEAM ANGLE

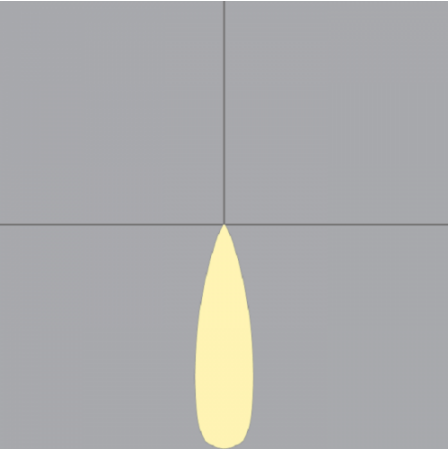


WATTS
32
72
114
164

LUMENS
4600
9000
13600
18000

LPW
138
127
118
110

DIRECT 30° BEAM ANGLE

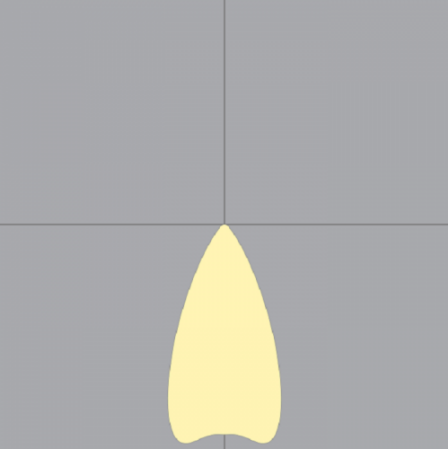


WATTS
32
72
114
164

LUMENS
4600
8800
13000
17400

LPW
140
130
120
112

DIRECT 50° BEAM ANGLE



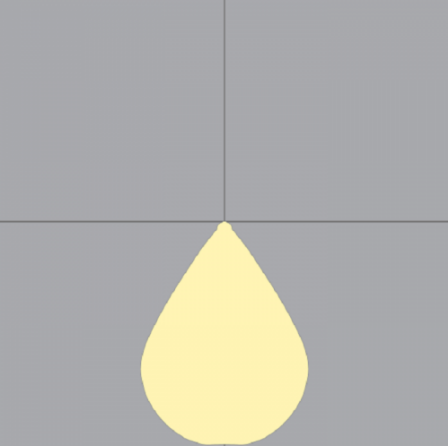
WATTS
32
72
114
164

LUMENS
4400
8800
13000
17400

LPW
133
123
114
107

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DIRECT 70° BEAM ANGLE



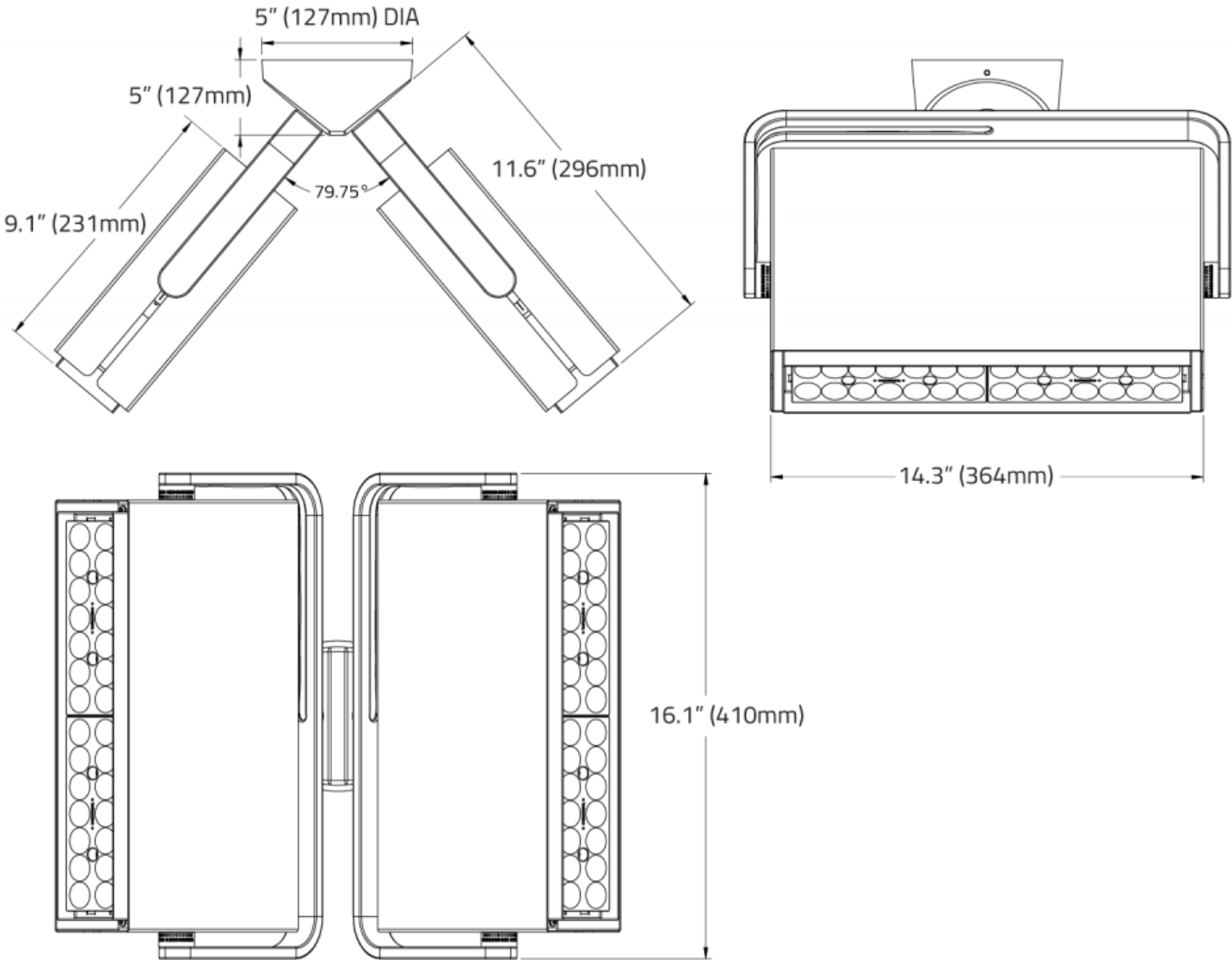
WATTS
32
72
114
164

LUMENS
4400
8800
13200
17600

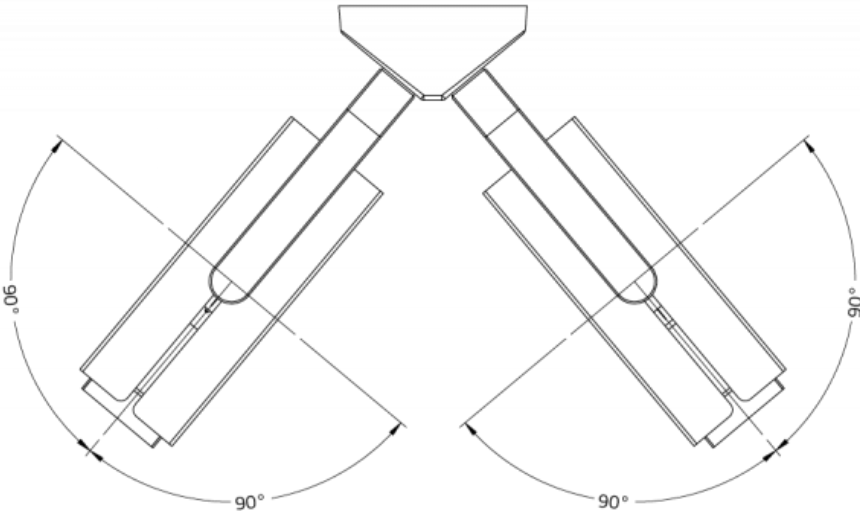
LPW
134
123
115
107

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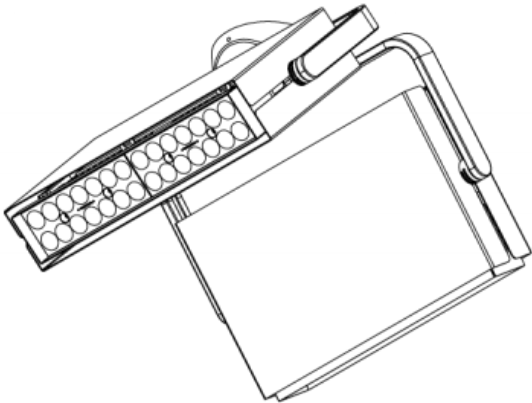
DIMENSIONAL DIAGRAMS



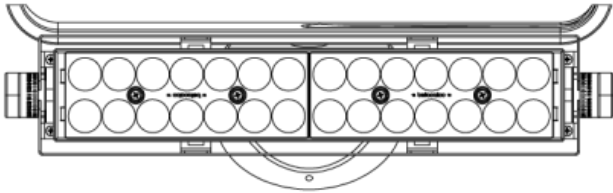
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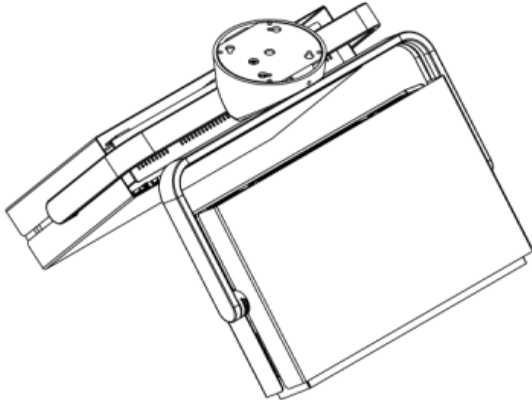
ISOMETRIC
BOTTOM VIEW



FIXED
YOKE

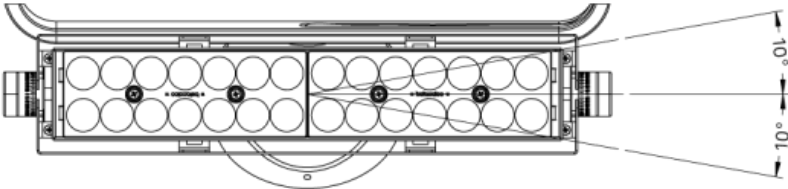


VIEW NORMAL TO YOKE



ISOMTERIC
TOP VIEW

ROTATING
YOKE

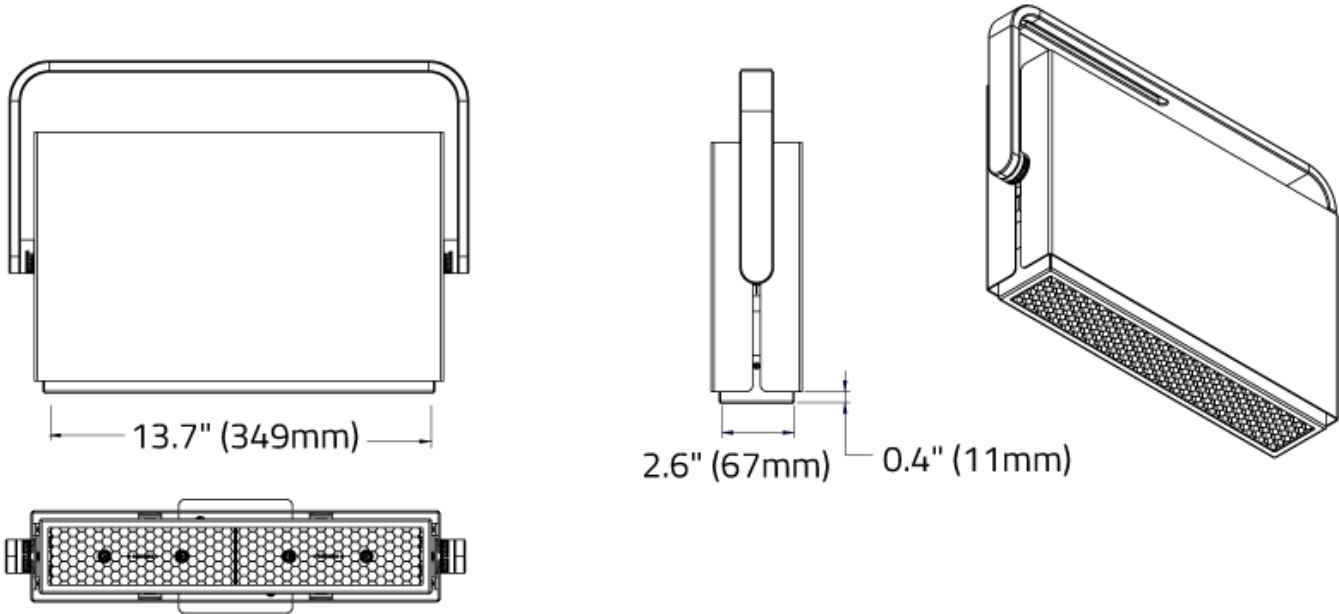


VIEW NORMAL TO YOKE

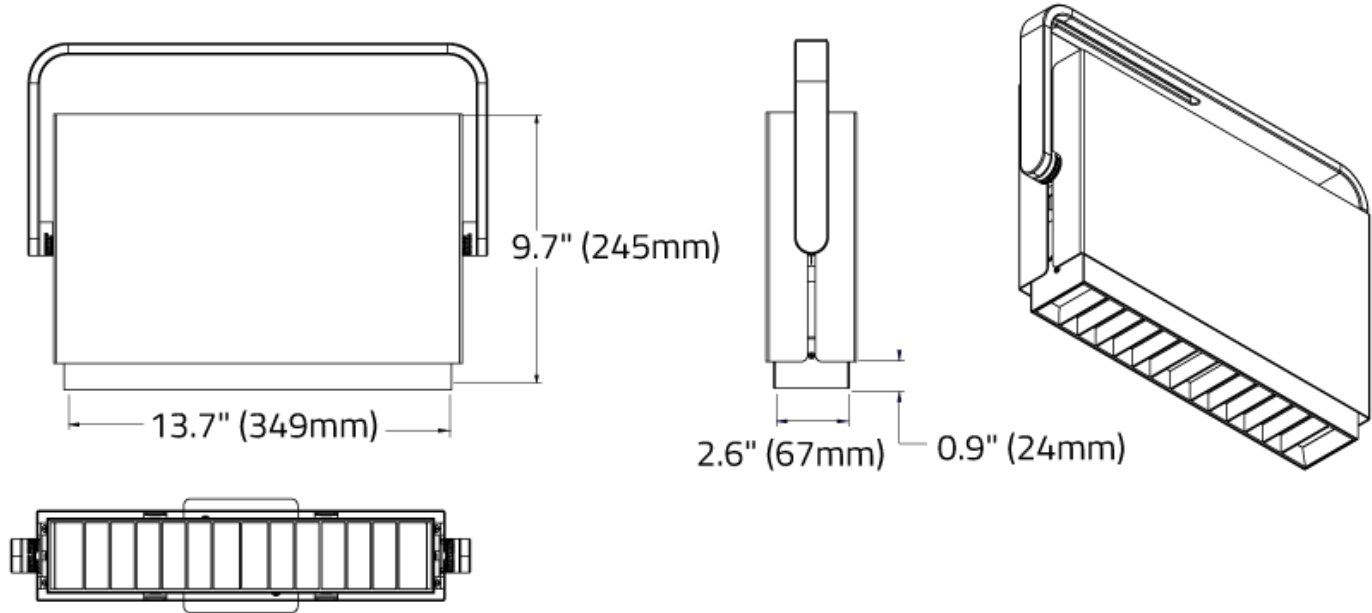
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LOUVRES

HEX CELL LOUVRE



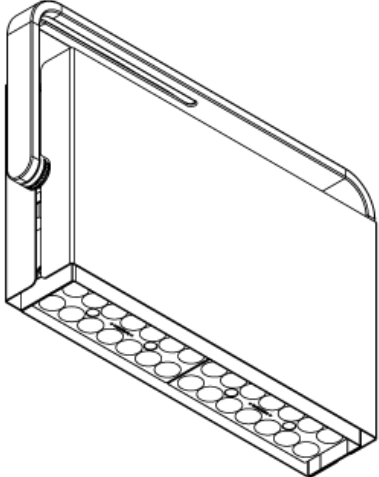
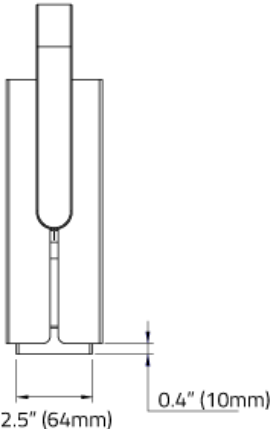
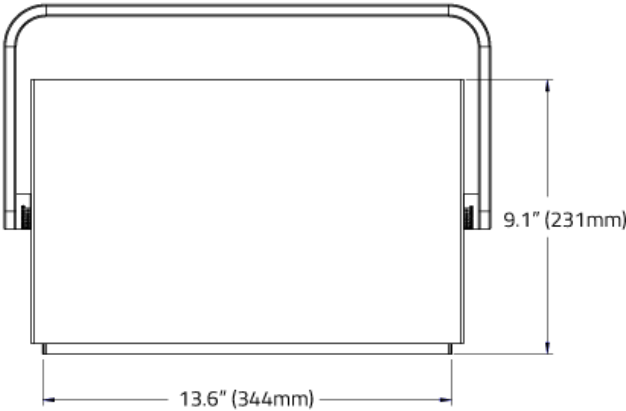
LADDER LOUVRE



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SNOOTS

STANDARD SNOOT



LONG SNOOT

