MATREX CLUSTER™

FULL SPECIFICATION SHEET

FIXTURE TYPE	FIXTURE CODE	QUANTITIES

1 DESCRIPTION

MATREX CLUSTER stacks 2, 3, or 4 **MATREX** spotlights into one downlight pendant delivering up to 36,800 lumens. The **MATREX** family of spotlights is 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


Suspended Direct


15°


30°


50°


70°

Declare

3 APPROVALS

Intertek DAMP LOCATION F IP20

4 GENERAL SPECIFICATION

BODY AND TRIM

Steel and aluminum.

FINISH

Powder coated as specified.

SUSPENSION
Steel cables.

POWER CABLE
Silver braided.

DRIVERS
HPF, electronic, 120-277V, 347V (EU-240V). The drivers are integral to fixture except when using the DMX option.

DELIVERED LUMENS
Delivered lumens & lpw based on 4000K, CRI 80+.

REPORTED L70 @25°C (77°F)
> 60,000 hrs.

ESTIMATED L70 @25°C (77°F)
> 145,000 hrs.

REMOTE EMERGENCY
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).

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

SENSORS
Consult factory regarding sensor compatibility.

APPROVALS
Damp Rated.

DESIGNED BY
Serge Cornelissen.

DESIGN
US Pat. No. D917,765.

SUSTAINABILITY
Designed for on-site LED board, driver, and optic replacement. Contact the factory for maintenance documentation.

5 DESIGN OPTIONS

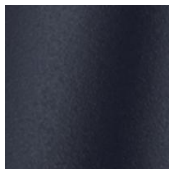
FINISH - FIXTURE

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

White


Black Metallic - Textured


Silver Metallic - Textured


Gold Metallic - Textured


Midnight Blue Metallic - Textured


Charcoal Metallic - Textured


Bronze Metallic - Textured


Red Metallic - Textured

6 HOW TO ORDER

1. LUMINAIRE

MACP2P01 2 heads, 18400 lms **MACP3P01** 3 heads, 27600 lms **MACP4P01** 4 heads, 36800 lms

All data shown at max output and nominal values.

2. LUMENS

LMA1380 13800 **LMA1840** 18400 **LMA2070** 20700 **LMA2760** 27600
LMA3680 36800

* 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

CTA27 2700K [1] **CTA30** 3000K **CTA35** 3500K **CTA40** 4000K

[1] 2700K is only available with CRI 80+

5. BEAM ANGLE

BA15 15° **BA30** 30° **BA50** 50° **BA70** 70°

6. VOLTAGE

V1 120/277V **V2** 240V [1] **V3** 347V [2]

[1] Not available in North America. [2] Only available with DA01 dimming.

7. 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]

DA40 DMX Dimming [1] [3]

[1] Not available with V3. [2] Not available in North America. [3] Only available with MACP2P01 and CN5 canopy. Two power cables required.

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 [1]

CN3 Canopy C [1] [3]

CN5 Canopy DMX [3]

[1] Fits over a standard j-box (provided by others). [2] For use with V2 only. [3] Only available with MACP2P01 and DA40 (DMX Dimming). Not available with V3.

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. SNOOT

NT1 Standard Snoot - Black [1]

NT2 Standard Snoot - White [1]

NT3 Long Snoot - Black [1]

NT4 Long Snoot - White [1]

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

12. EMERGENCY

E0 Emergency system not required

E2 Emergency system - Remote

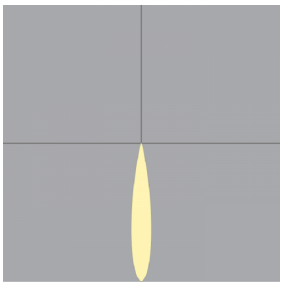
7 TECHNICAL DATA

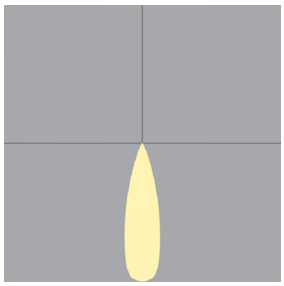
LUMINAIRE

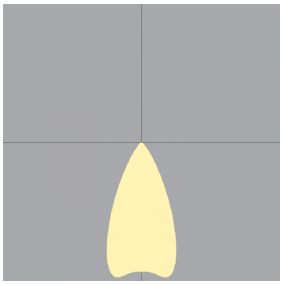
All data shown at max output and nominal values.

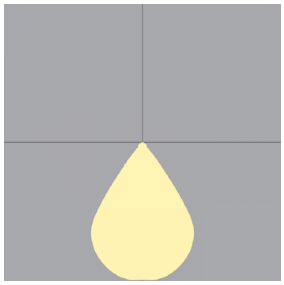
Code	MACP2P01	MACP3P01	MACP4P01
# of Heads	2	3	4
Wattage	164	246	328
Delivered lms	18400	27600	36800
LPW	130	130	130

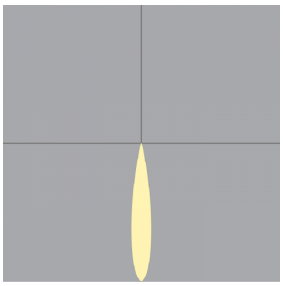
8 PERFORMANCE DATA

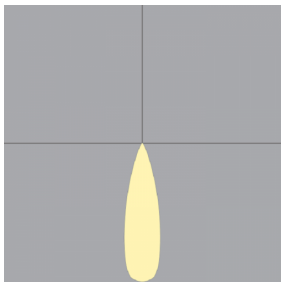
DIRECT, 2 HEADS, 15° BEAM ANGLE	WATTS	LUMENS	LPW
	114 164	13600 18000	118 110

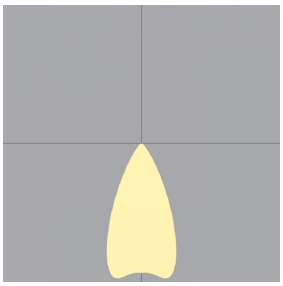
DIRECT, 2 HEADS, 30° BEAM ANGLE	WATTS	LUMENS	LPW
	114 164	13600 18000	118 110

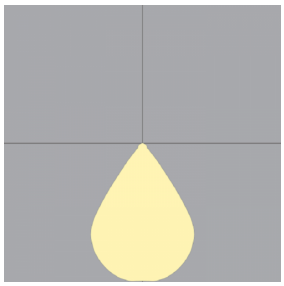
DIRECT, 2 HEADS, 50° BEAM ANGLE	WATTS	LUMENS	LPW
	114 164	13600 18000	118 110

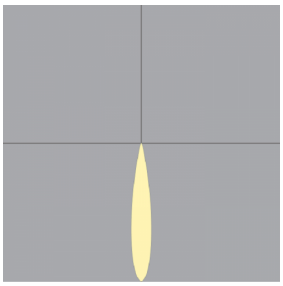
DIRECT, 2 HEADS, 70° BEAM ANGLE	WATTS	LUMENS	LPW
	114 164	13600 18000	118 110

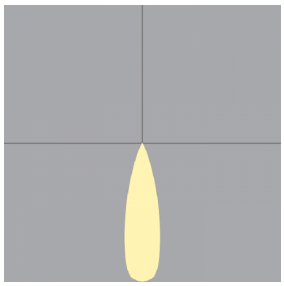
DIRECT, 3 HEADS, 15° BEAM ANGLE	WATTS	LUMENS	LPW
	171 246	20400 27000	118 110

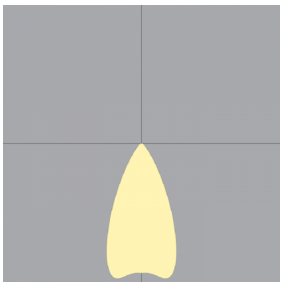
DIRECT, 3 HEADS, 30° BEAM ANGLE	WATTS	LUMENS	LPW
	171 246	20700 27600	120 112

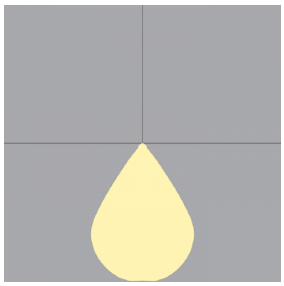
DIRECT, 3 HEADS, 50° BEAM ANGLE	WATTS	LUMENS	LPW
	171 246	19500 26100	114 107

DIRECT, 3 HEADS, 70° BEAM ANGLE	WATTS	LUMENS	LPW
	171 246	19800 26400	115 107

DIRECT, 4 HEADS, 15° BEAM ANGLE	WATTS	LUMENS	LPW
	328	36000	110

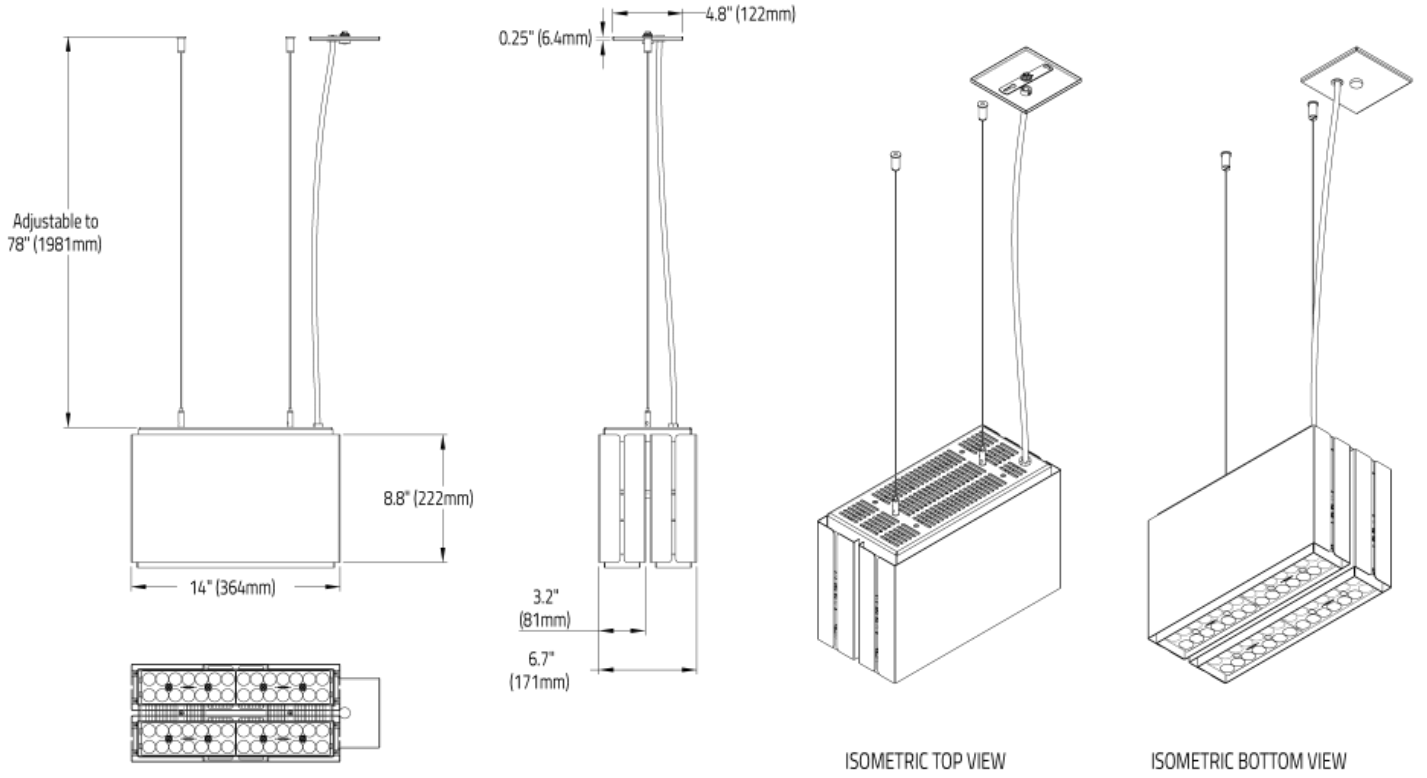
DIRECT, 4 HEADS, 30° BEAM ANGLE	WATTS	LUMENS	LPW
	328	36800	112

DIRECT, 4 HEADS, 50° BEAM ANGLE	WATTS	LUMENS	LPW
	328	34800	107

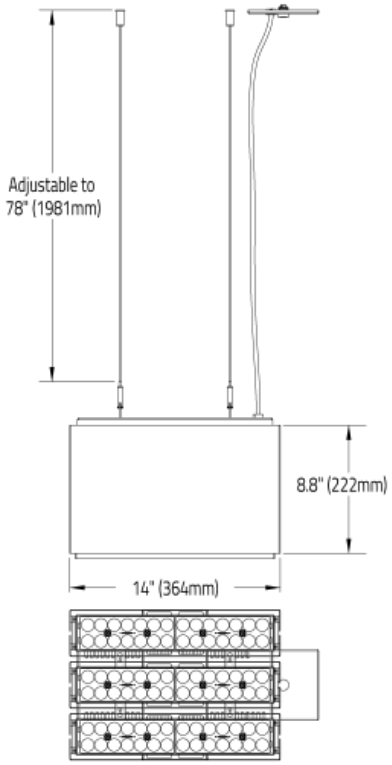
DIRECT, 4 HEADS, 70° BEAM ANGLE	WATTS	LUMENS	LPW
	328	35200	107

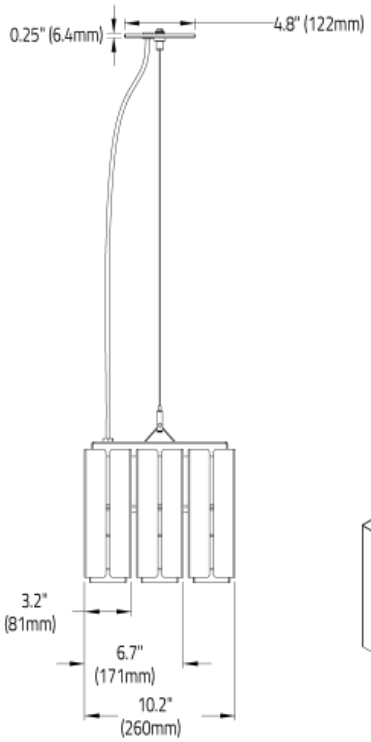
9 DIMENSIONAL DIAGRAMS

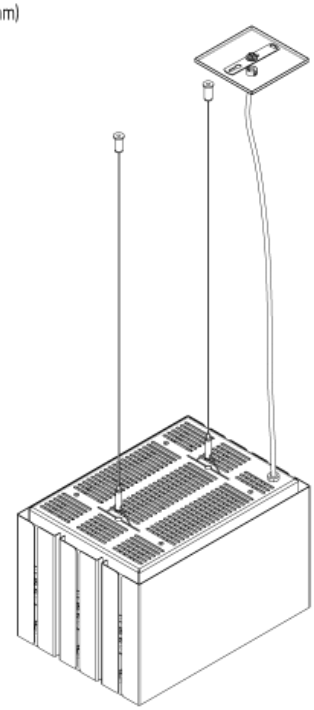
2 HEADS



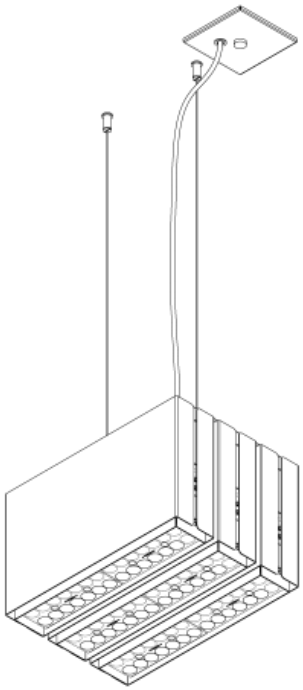
3 HEADS





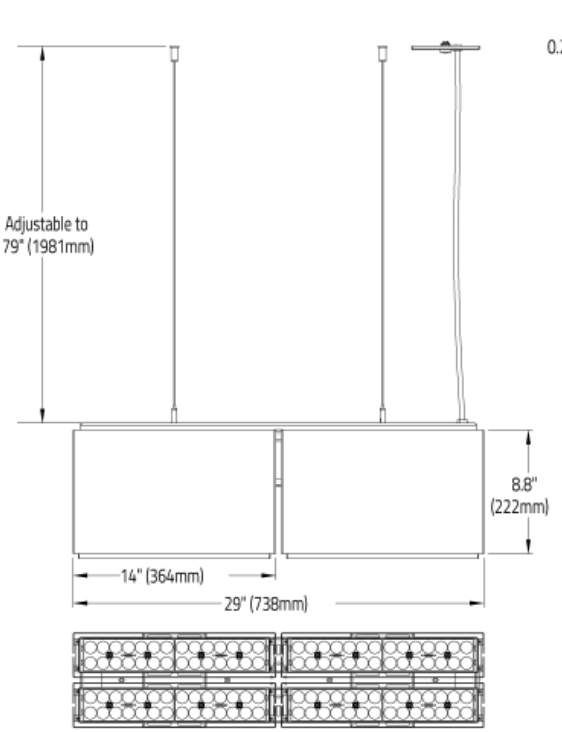


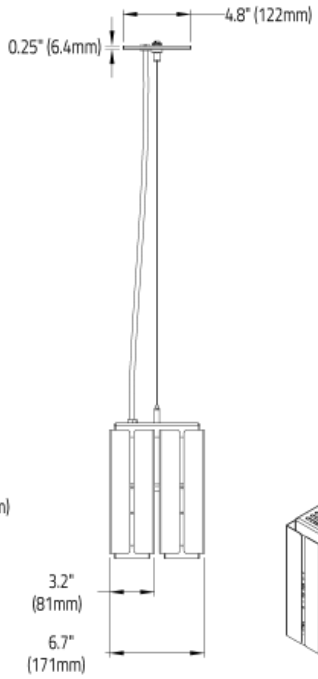
ISOMETRIC TOP VIEW

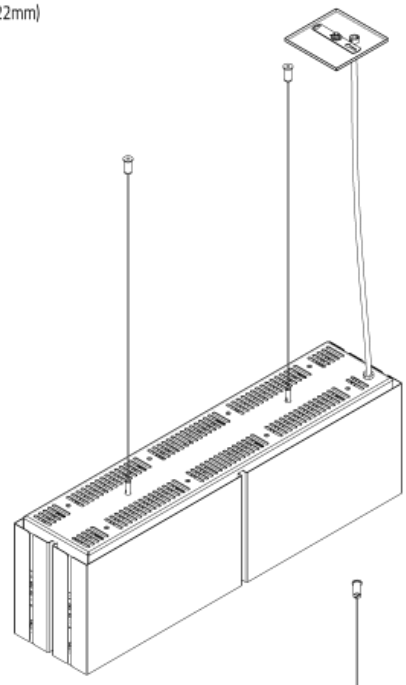


ISOMETRIC BOTTOM VIEW

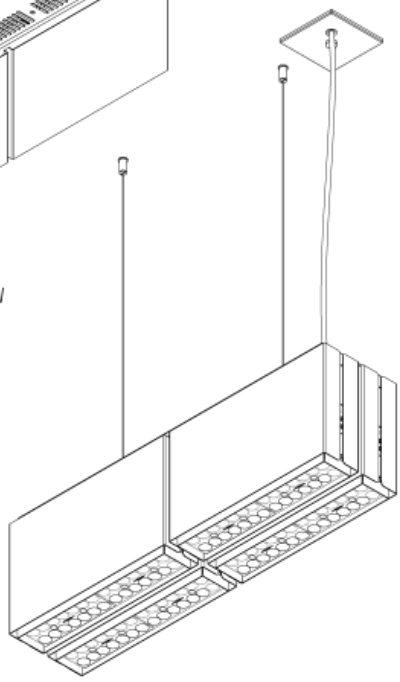
4 HEADS







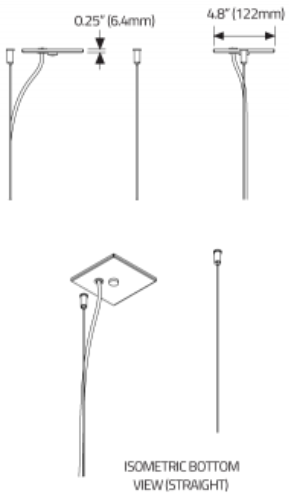
ISOMETRIC TOP VIEW



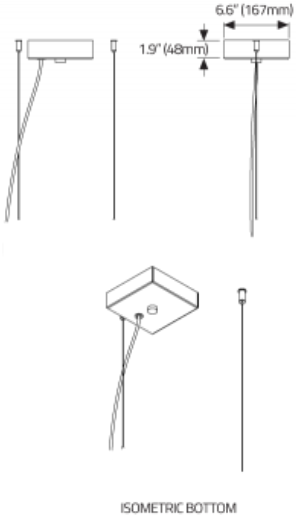
ISOMETRIC BOTTOM VIEW

Canopy

CANOPY A



CANOPY C



CANOPY DMX