



PRODUCT CODE(S):

NOTES:

TYPE:

Interactive PDF. Click to type.

# FLEX Area Lights

## Power and 3CCT Selectable | 120-347V

Area lighting has never been easier with all the features you will ever need in one sleek, attractive package. These rugged die-cast aluminum fixtures are photocell and sensor compatible. Stocked in bronze, black, and white for quick shipping!

### Power Selectable

3 power settings per fixture

### 3CCT Selectable

3000K / 4000K / 5000K

### 120-347V Universal Driver

0-10V dimming

### Mounting Sold Separately

See page 6 for complete mounting options. Mount required for use

### Easy Field-Interchangeable Optics (Sold Separately)

### Photocell and Sensor Compatible

### Rugged Die Cast Aluminum Housing



100W - 150W Models



240W - 300W Models



450W Model

\*White models only available in 150W and 300W



DarkSky approved when set to 3000K and used with optional Fixed Mount. (sold separately)



beyondbrilliant

LIGHT SPECIFICATIONS AND ELECTRICAL



PRODUCT CODE	WATTS	CCT	LUMENS	EFFICACY	VOLTAGE	CRI	FACTORY SETTINGS	MAX CURRENT	EPA
<b>FL05-100W-3P-3CCT-UD-BZ</b> <b>FL05-100W-3P-3CCT-UD-BK</b>	60W	3000K	8825 lm	147 lm/W	120-347V	>80	100W 4000K Type III	1.0A	0.275ft <sup>2</sup>
		4000K	9167 lm	153 lm/W					
		5000K	9216 lm	154 lm/W					
	80W	3000K	11228 lm	140 lm/W					
		4000K	11913 lm	149 lm/W					
		5000K	11748 lm	147 lm/W					
	100W	3000K	13306 lm	133 lm/W					
		4000K	14865 lm	149 lm/W					
		5000K	14483 lm	145 lm/W					
<b>FL05-150W-3P-3CCT-UD-BZ</b> <b>FL05-150W-3P-3CCT-UD-BK</b> <b>FL05-150W-3P-3CCT-UD-WH</b>	100W	3000K	13838 lm	138 lm/W	120-347V	>80	150W 4000K Type III	1.5A	0.275ft <sup>2</sup>
		4000K	14839 lm	148 lm/W					
		5000K	14442 lm	144 lm/W					
	125W	3000K	16230 lm	131 lm/W					
		4000K	17789 lm	142 lm/W					
		5000K	17121 lm	137 lm/W					
	150W	3000K	19056 lm	127 lm/W					
		4000K	20618 lm	137 lm/W					
		5000K	19583 lm	131 lm/W					
<b>FL05-240W-3P-3CCT-UD-BZ</b> <b>FL05-240W-3P-3CCT-UD-BK</b>	180W	3000K	25604 lm	142 lm/W	120-347V	>80	240W 4000K Type III	2.4A	0.344ft <sup>2</sup>
		4000K	27260 lm	151 lm/W					
		5000K	26639 lm	148 lm/W					
	210W	3000K	28410 lm	135 lm/W					
		4000K	30620 lm	146 lm/W					
		5000K	29739 lm	142 lm/W					
	240W	3000K	31092 lm	130 lm/W					
		4000K	34576 lm	144 lm/W					
		5000K	33324 lm	139 lm/W					
<b>FL05-300W-3P-3CCT-UD-BZ</b> <b>FL05-300W-3P-3CCT-UD-BK</b> <b>FL05-300W-3P-3CCT-UD-WH</b>	260W	3000K	33987 lm	131 lm/W	120-347V	>80	300W 4000K Type III	3.0A	0.344ft <sup>2</sup>
		4000K	37011 lm	142 lm/W					
		5000K	35511 lm	137 lm/W					
	280W	3000K	36064 lm	129 lm/W					
		4000K	39358 lm	141 lm/W					
		5000K	37538 lm	134 lm/W					
	300W	3000K	38176 lm	127 lm/W					
		4000K	40953 lm	137 lm/W					
		5000K	38923 lm	130 lm/W					

PRODUCT CODE	WATTS	CCT	LUMENS	EFFICACY	VOLTAGE	CRI	FACTORY SETTINGS	MAX CURRENT	EPA
FL05-450W-3P-3CCT-UD-BZ	350W	3000K	44114 lm	126 lm/W	120-347V	>80	450W 4000K Type III	4.5A	0.362ft <sup>2</sup>
		4000K	48875 lm	140 lm/W					
		5000K	46041 lm	132 lm/W					
	400W	3000K	49339 lm	123 lm/W					
		4000K	54918 lm	137 lm/W					
		5000K	53133 lm	133 lm/W					
	450W	3000K	54397 lm	121 lm/W					
		4000K	61020 lm	136 lm/W					
		5000K	58580 lm	130 lm/W					

**DLC INFORMATION** Where XX represents finish colour (Bronze, Black or White)

PRODUCT CODE	PRIMARY USE	DLC ID	CLASSIFICATION
FL05-100W-3P-3CCT-UD-XX	Architectural Flood and Spot Luminaires	S-1MIKA7	Premium
	Outdoor Pole/Arm-Mounted Area and Roadway Luminaires	S-2YSG04	Premium
FL05-150W-3P-3CCT-UD-XX	Architectural Flood and Spot Luminaires	S-B0RLKJ	Premium
	Outdoor Pole/Arm-Mounted Area and Roadway Luminaires	S-RX7ZKG	Premium
FL05-240W-3P-3CCT-UD-XX	Architectural Flood and Spot Luminaires	S-WABIQ0	Premium
	Outdoor Pole/Arm-Mounted Area and Roadway Luminaires	S-RZOPS4	Premium
FL05-300W-3P-3CCT-UD-XX	Architectural Flood and Spot Luminaires	S-8AKUHV	Premium
	Outdoor Pole/Arm-Mounted Area and Roadway Luminaires	S-9KMRT8	Premium
FL05-450W-3P-3CCT-UD-BZ	Outdoor Pole/Arm-Mounted Area and Roadway Luminaires	S-D6B0F9	Premium

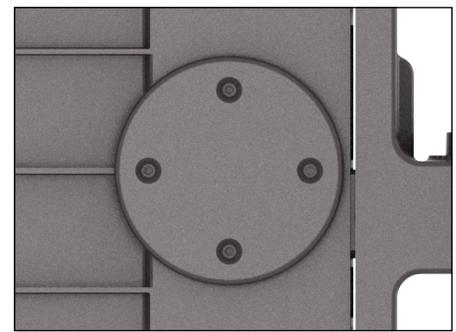
**SELECTION SWITCHES AND PHOTOCELL OPTIONS**



Power, CCT, and Photocell Selector Switches



Twist-In Motion Sensor Location



Blanking Plate for Photocell Installation

## SPECIFICATIONS & ELECTRICAL

Surge Protection (100W-300W models)	10kV
Surge Protection (450W model)	6kV
Auxiliary Output	12V
Power Factor	≥0.9
THD	≤20%
Operating Temp	-40°C to 50°C
Operating Temp with Sensor	-30°C to 50°C
Distribution	Type III
Dimmable	0-10V
L70 Life	50,000 hrs
Warranty	10-year

## APPROVALS & RATINGS

cUL	E482965
IP Rating	IP65
DarkSky	When set to 3000K and used with Fixed Mount (sold separately)

## CONSTRUCTION

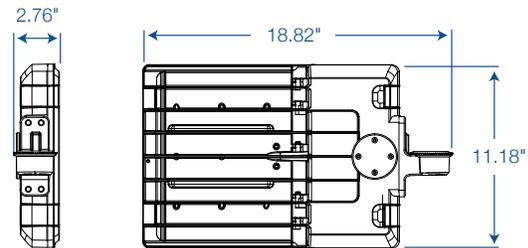
Housing	Die-Cast Aluminum
Lens	Polycarbonate
Finish	Powder Coated
Finish Colour	Bronze / Black / White
Cord Length	78"

## MEASUREMENTS (IN) & WEIGHTS (LBS)

Where XX represents finish colour (Bronze, Black or White)

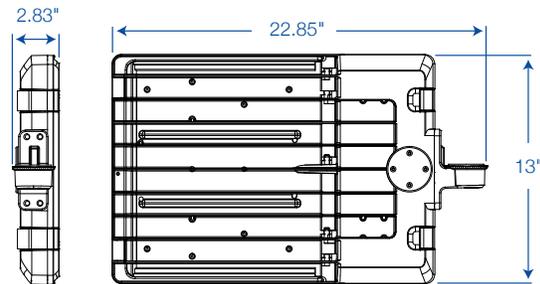
### FL05-100W-3P-3CCT-UD-XX FL05-150W-3P-3CCT-UD-XX

Product Meas.	18.82" x 11.18" x 2.76"
Fixture Weight	10.12 lbs
Carton Qty	1
Carton G.W.	11.88 lbs
Carton Meas.	20.47" x 13.15" x 4.84"



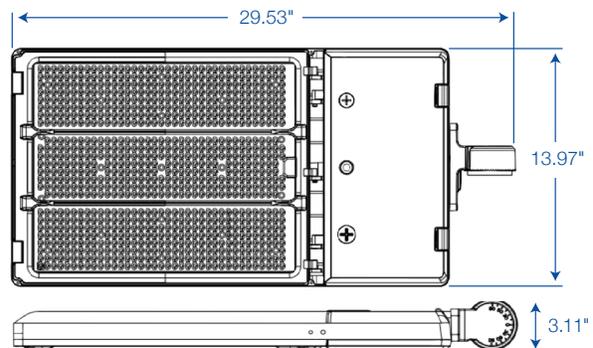
### FL05-240W-3P-3CCT-UD-XX FL05-300W-3P-3CCT-UD-XX

Product Meas.	22.85" x 13" x 2.83"
Fixture Weight	13.42 lbs
Carton Qty	1
Carton G.W.	15.62 lbs
Carton Meas.	24.8" x 15.94" x 4.84"



### FL05-450W-3P-3CCT-UD-XX

Product Meas.	29.53" x 13.97" x 3.11"
Fixture Weight	16.5 lbs
Carton Qty	1
Carton G.W.	19.14 lbs
Carton Meas.	31.06" x 15.04" x 4.13"



**ACCESSORIES** (Sold Separately)

			SHADED CELLS INDICATE COMPATIBILITY				
PRODUCT NUMBER	FINISH COLOUR	PRODUCT NAME	100W	150W	240W	300W	450W
FL-SF01-XX*	BZ / BK / WH	Slip Fitter					
FL-SF01-XL-BZ	Bronze	Slip Fitter, Extra Large					
FL-PM01-XX*	BZ / BK / WH	Pole Mount					
FL-PM01-XL-BZ	Bronze	Pole Mount, Extra Large					
FL-TR01-XX*	BZ / BK / WH	Trunnion Mount					
FL-TR01-XL-BZ	Bronze	Trunnion Mount, Extra Large					
FL-MM01-XX*	BZ / BK / WH	Multi Mount					
FL-MM01-XL-BZ	Bronze	Multi Mount, Extra Large					
FL-FM01-XX*	BZ / BK / WH	Fixed Mount					
FL-YM01-SM-XX*	BZ / BK / WH	Yoke Mount, Small					
FL-YM01-LG-XX*	BZ / BK / WH	Yoke Mount, Large					
FL-YM01-XL-BZ	Bronze	Yoke Mount, Extra Large					
FL-VISOR01-SM-XX*	BZ / BK / WH	Visor, Small					
FL-VISOR01-LG-XX*	BZ / BK / WH	Visor, Large					
FL-VISOR01-XL-BZ	Bronze	Visor, Extra Large					
FL-TYPE-II-SM	N/A	Type II Optics, Small					
FL-TYPE-II-LG	N/A	Type II Optics, Large					
FL-TYPE-II-XL	N/A	Type II Optics, Extra Large					
FL-TYPE-IV-SM	N/A	Type IV Optics, Small					
FL-TYPE-IV-LG	N/A	Type IV Optics, Large					
FL-TYPE-IV-XL	N/A	Type IV Optics, Extra Large					
FL-TYPE-V-SM	N/A	Type V Optics, Small					
FL-TYPE-V-LG	N/A	Type V Optics, Large					
FL-TYPE-V-XL	N/A	Type V Optics, Extra Large					
MS-KN01-XX	BZ / BK / WH	Motion Sensor Knuckle Mount					
MS01-PIR-TW-DC	N/A	Infrared Motion Sensor					
MS04-MW-TW-DC	N/A	Microwave Motion Sensor					
MS04-RC	N/A	Remote <b>REQUIRED</b> for MS04-MW-TW-DC and MS01-PIR-TW-DC					
JL-200	N/A	Photocell Receptacle ( <b>REQUIRED</b> for use with Photocell)					
JL-205LV	N/A	Photocell (120-277V)					
JL-207E	N/A	Photocell (347V)					
JL-208	N/A	Shorting Cap					
EW-M20-3P	N/A	Inline Connector					

### MOUNTING (SOLD SEPARATELY & REQUIRED)

Mounts are available in Bronze, Black, and White. Full part numbers are listed in the table on page 5.



### BULLHORNS & TENON ADAPTORS (Sold Separately)

For more information on Pole Accessories, see series product sheet

- Slip Fitter is sold separately and is required for use
- Available in Bronze and Black



Inline 2-head



Inline 3-head



Round  
3", 4", or 5" to 2 3/8"



Square  
4" or 5" to 2 3/8"

### INTERCHANGEABLE OPTICS (Sold Separately)

Easy field interchangeable optics



FL05 FLEX Area Light shown with the hinged optic plate open

### VISORS (Sold Separately)

Full part numbers are listed in the table on page 5

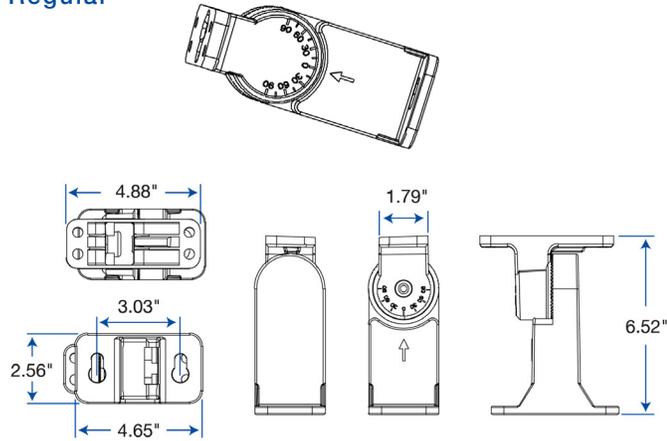


- Can be installed on front or back of fixture
- Available in small, large, and extra large

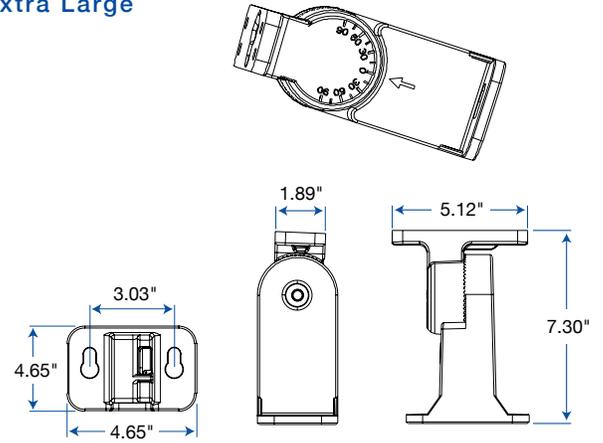
MOUNT DIMENSIONAL DRAWINGS

TRUNNION MOUNT

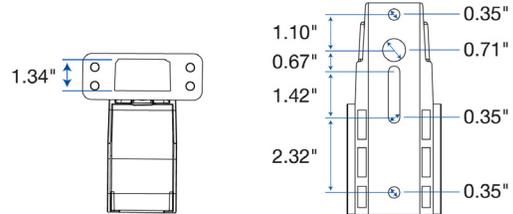
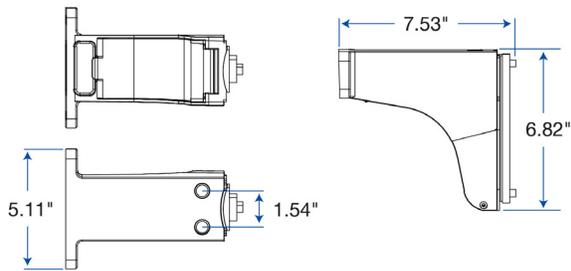
Regular



Extra Large

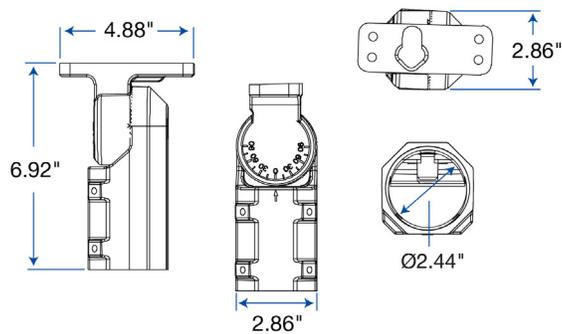


FIXED MOUNT

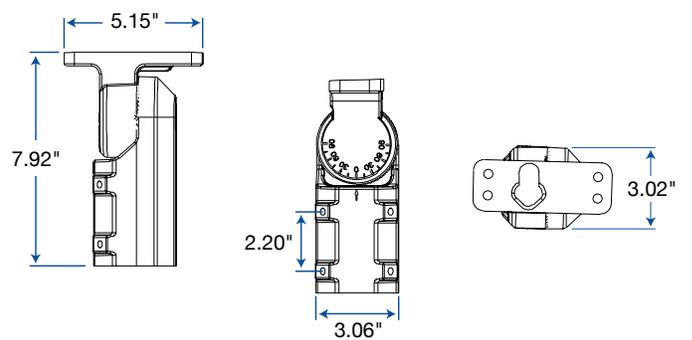


SLIP FITTER

Regular

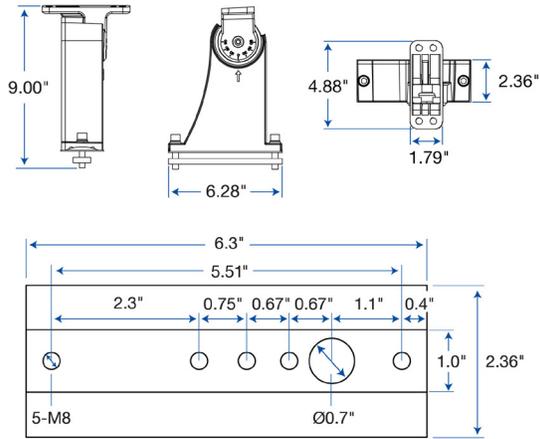


Extra Large

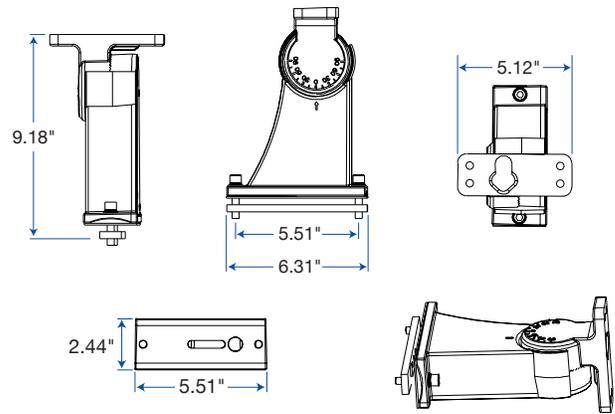


**POLE MOUNT**

**Regular**

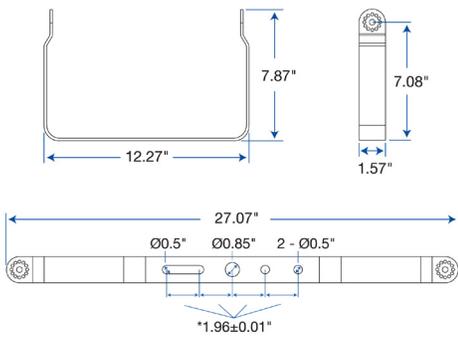


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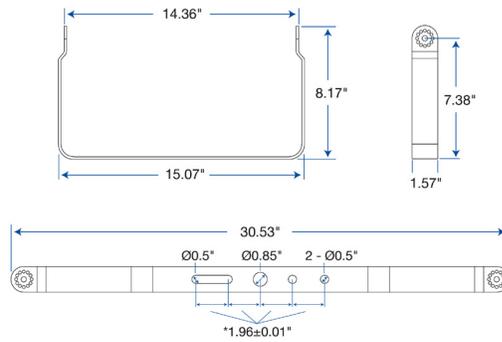


**YOKE MOUNT**

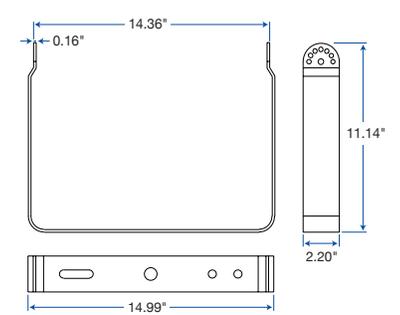
**Small**



**Large**

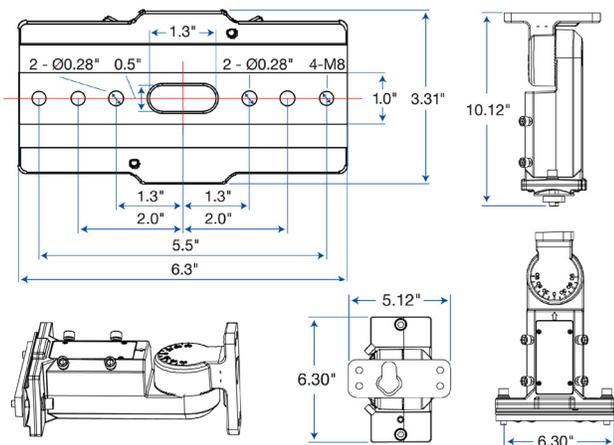


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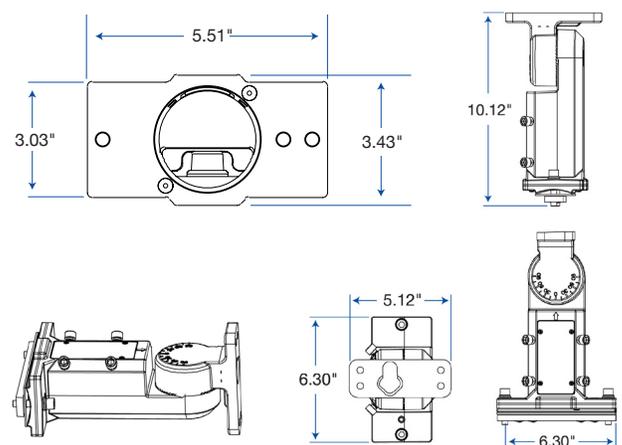


**MULTI MOUNT**

**Regular**



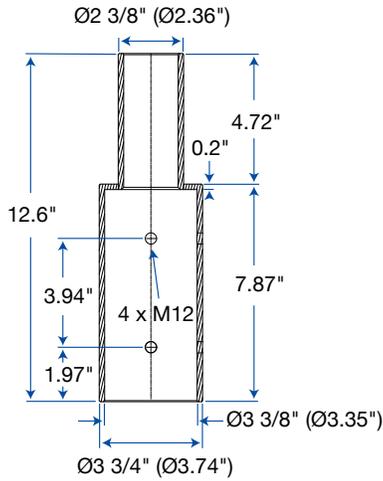
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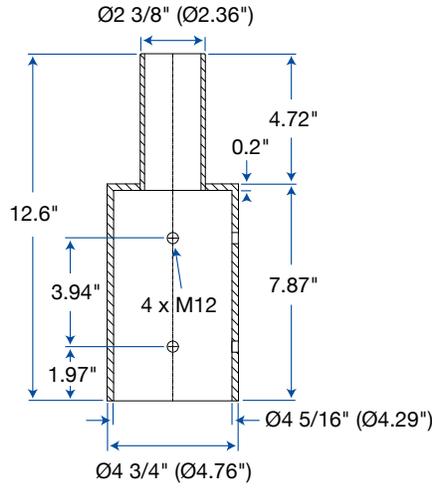
TENON ADAPTORS DIMENSIONAL DRAWINGS

Where XX denotes finish colour

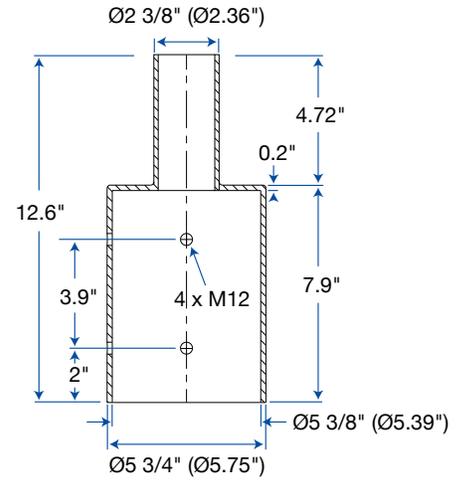
PA-TA-R3-XX



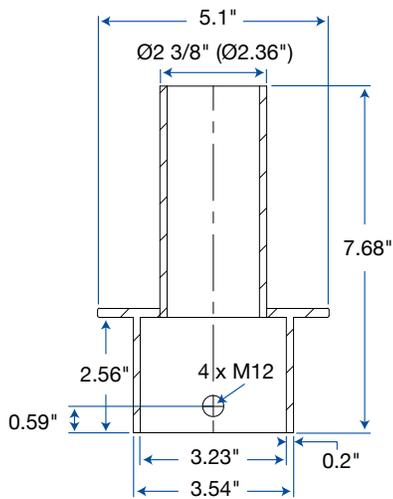
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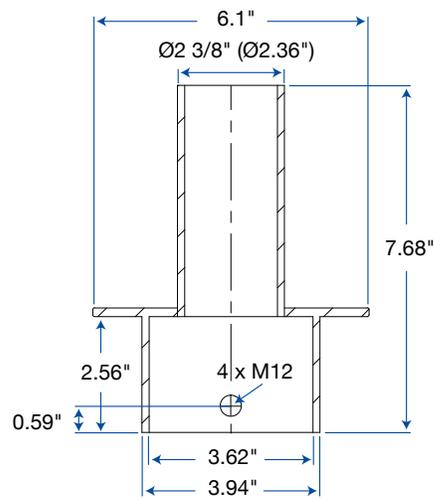
PA-TA-R5-XX



PA-TA-S4-XX



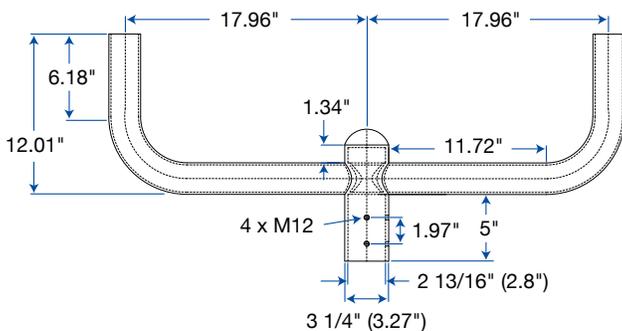
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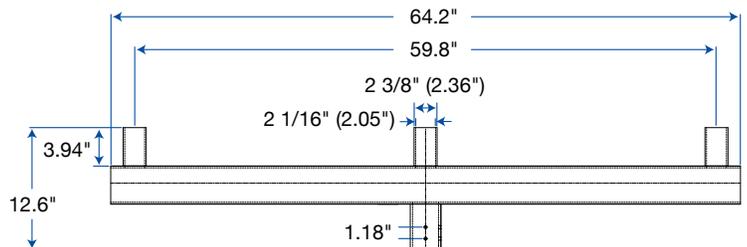
BULLHORNS DIMENSIONAL DRAWINGS

Where XX denotes finish colour

PA-BH-I2-XX



PA-BH-I3-XX



EPA DIAGRAM

Pattern					
EPA for FL05 (100W-150W)	0.275 ft <sup>2</sup>	0.550 ft <sup>2</sup>	0.829 ft <sup>2</sup>	1.104 ft <sup>2</sup>	1.104 ft <sup>2</sup>
EPA for FL05 (240W-300W)	0.344 ft <sup>2</sup>	0.688 ft <sup>2</sup>	0.997 ft <sup>2</sup>	1.341 ft <sup>2</sup>	1.341 ft <sup>2</sup>
EPA for FL05 (450W)	0.362 ft <sup>2</sup>	0.724 ft <sup>2</sup>	1.233 ft <sup>2</sup>	1.595 ft <sup>2</sup>	1.595 ft <sup>2</sup>

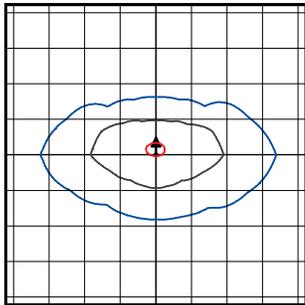
LIGHT DISTRIBUTION CHARTS

Where XX represents all finish colours (Bronze, Black, and White)

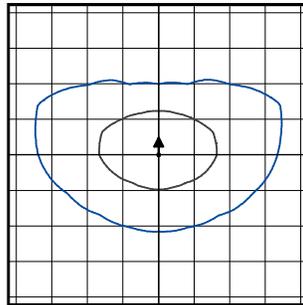


20' MH. Grid spaces 20' x 20'

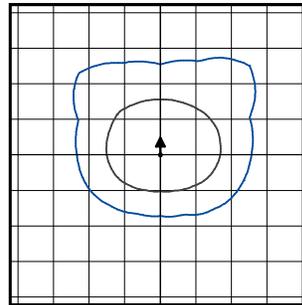
FL05-100W-3P-3CCT-UD-XX



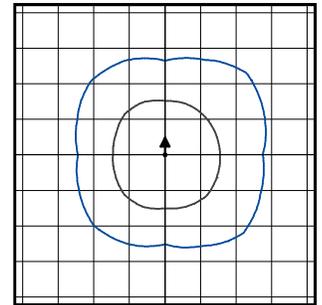
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FL-TYPE-II-SM



Type III  
Standard

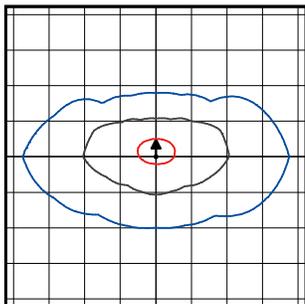


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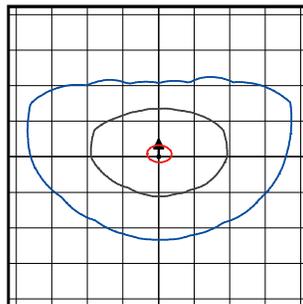


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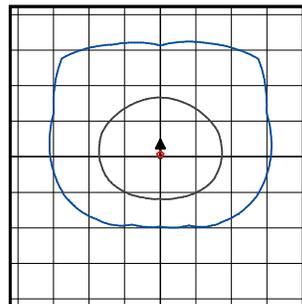
FL05-150W-3P-3CCT-UD-XX



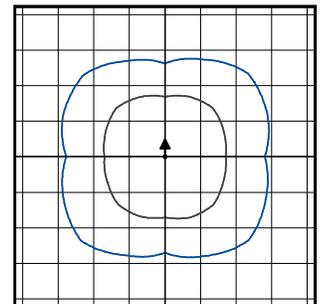
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Type III  
Standard



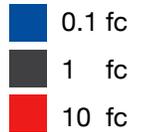
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Type V  
FL-TYPE-V-SM

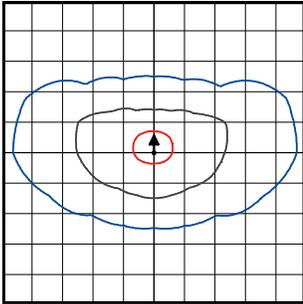
## LIGHT DISTRIBUTION CHARTS

Where XX represents all finish colours (Bronze, Black, and White)

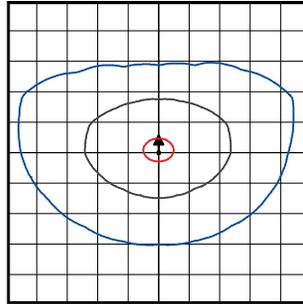


### 25' MH. Grid spaces 25' x 25'

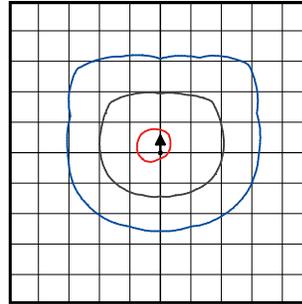
#### FL05-240W-3P-3CCT-UD-XX



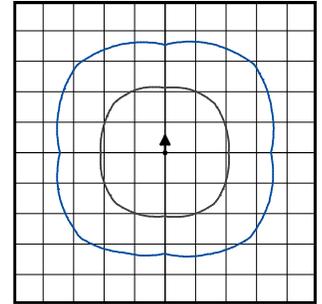
**Type II**  
FL-TYPE-II-LG



**Type III**  
Standard

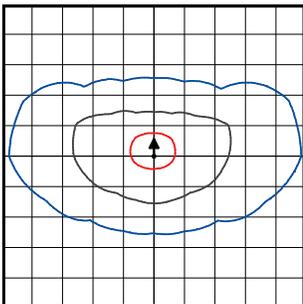


**Type IV**  
FL-TYPE-IV-LG

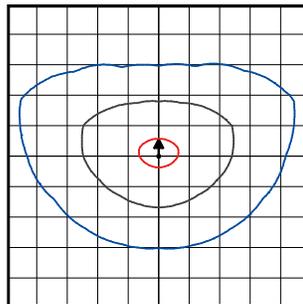


**Type V**  
FL-TYPE-V-LG

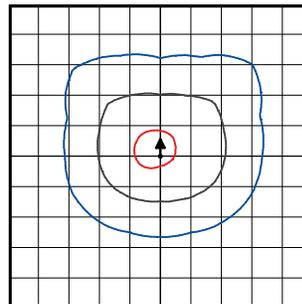
#### FL05-300W-3P-3CCT-UD-XX



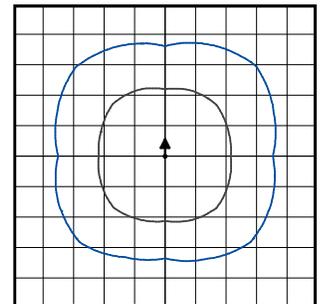
**Type II**  
FL-TYPE-II-LG



**Type III**  
Standard



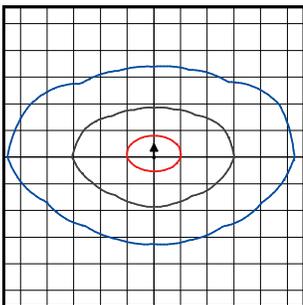
**Type IV**  
FL-TYPE-IV-LG



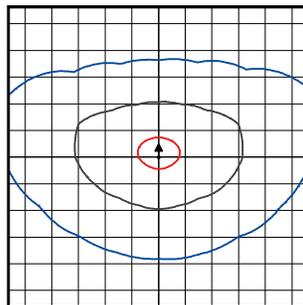
**Type V**  
FL-TYPE-V-LG

### 30' MH. Grid spaces 30' x 30'

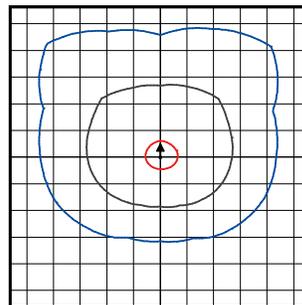
#### FL05-450W-3P-3CCT-UD-XX



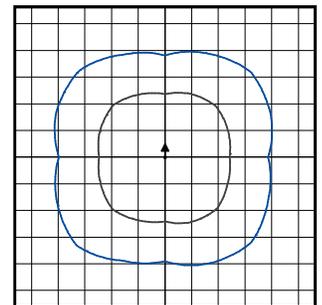
**Type II**  
FL-TYPE-II-XL



**Type III**  
Standard



**Type IV**  
FL-TYPE-IV-XL



**Type V**  
FL-TYPE-V-XL

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