

MAL08 ELITE SERIES - LED Tunable Area Light

The MAL08 ELITE SERIES - LED Tunable Area Light, Up to 150 lm/W, IP66 Wet Location, Select 3X-CCT and 4X-Wattages, 0-10V Dimmable, Premium Outdoor Luminaire with Smart Technology.

Premium Features

Lumen Output	8008 to 60000 lumens
Efficacy	Up to 150 lm/W
Input Voltage	120-277V, 277-480V
Dimmable	0-10V Continuous
CCT	Select (30K, 40K, 50K), (40K,50K)
IP Rating	IP66 Wet Location
Vibration Rating	3g
Warranty	5 Years

Applications

Premium outdoor luminaire suitable for parking areas, auto dealerships, industrial yards, building exteriors, roadways, alleys, and pedestrian walkways.

Construction

Manufactured for weather-proof durability using solid heavy duty die cast aluminum housing with anti-UV polyester coating to resist water, salt, corrosion, discoloration, and scratching. IP66 Wet Location rated for dust-tight, water-jets: IEC 60529. Vibration Acceleration Rating 3g: IEC 6008-2-6:1995.

Electrical

Input voltages 120-277V and 277-480V models with 0-10V Continuous Dimming. Includes 3X-CCT and 4X-Wattage Tuning Switches. Operating temperatures -40°F to 113°F (-40°C to 45°C). Twist-lock top photocell sensor. Shorting Cap for manual switch or time control.

Mounting

Adjustable options include Slip-Fit Mount, Round /Square Pole Mount, Trunnion Mount, and Straight-Arm Wall Mount.

Optics

Anti-UV Clear Polycarbonate IES Type II and III Lens standard. Type IV and Type V Lens available.

Controls

PIR Photocell Twist-Lock Top, integrated Microwave Bi-Level Dimming and Motion Detection sensor with Remote Control. Shorting Cap for manual switch or timer control.

Listings

UL certified to meet US and Canadian standards. FCC and RoHS compliant. Listed to qualify for energy-efficient LED lighting rebates.

Warranty

5 yr /50K hrs. View at: <https://falkorindustry.com/warranty/>.

Project:

Date:

Catalog No:

Prepared By:

140W and 180W Models with Photocell and Dimming Sensors



300W and 400W Models with Photocell and Dimming Sensors



Slip-Fit Mount



Trunnion Mount



Square /Round Pole Mount



Wall Mount



Twist-Lock Photocell

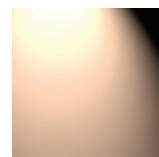


Dimming and Motion Sensor



Correlated Color Temperatures (CCT)

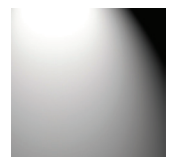
3000K



4000K



5000K



Specifications

Energy Data

Input Voltage: 120-277V, 277-480V
Input Frequency: 50/60 Hz
Wattage: 4-Wattages (140W Max to 400W Max)
Power Factor: >0.9
Total Harmonic Distortion (THD): <20%
Operating Temperature: -40°F to 113°F (-40°C to 45°C)

Lighting Data

Lumens: 8008 to 60000 lumens
Lumens Per Watt: Up to 150 lm/W
CCT: Select (30K, 40K, 50K), (40K,50K)
Dimmable: 0-10V
Color Rendering Index (CRI): >70
L70: 50000 hours

Ordering Information

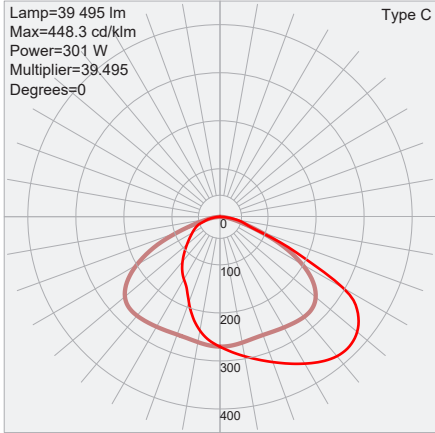
Model	Wattage	Voltage	Current	Lumens	Efficacy	CCT	Dimming	Color	Dimensions
MAL08 140W 3CCT	(56W	120-277V	0.51A@120V, 0.22A@277V	8008	150 lm/W	(3000K, 4000K, 5000K)	0-10V	Dark Bronze	23.32"L x 13.00"W x 2.52"H
	84W		0.77A@120V, 0.33A@277V	12012					
	112W		1.03A@120V, 0.44A@277V	16016					
	140W)		1.28A@120V, 0.56A@277V	20020					
MAL08 180W 3CCT	(72W,	120-277V	0.66A@120V, 0.29A@277V	12000	150 lm/W	(3000K, 4000K, 5000K)	0-10V	Dark Bronze	23.32"L x 13.00"W x 2.52"H
	108W,		0.99A@120V, 0.43A@277V	17000					
	144W,		1.32A@120V, 0.57A@277V	21000					
	180W)		1.65A@120V, 0.71A@277V	25000					
MAL08 300W 3CCT	(120W	120-277V	1.10A@120V, 0.48A@277V	16800	150 lm/W	(3000K, 4000K, 5000K)	0-10V	Dark Bronze	32.63"L x 13.00"W x 2.52"H
	180W		1.65A@120V, 0.71A@277V	25200					
	240W		2.20A@120V, 0.95A@277V	33600					
	300W)		2.75A@120V, 1.19A@277V	42000					
MAL08 400W 2CCT	(300W,	120-277V	2.75A@120V, 1.19A@277V	46000	150 lm/W	(4000K, 5000K)	0-10V	Dark Bronze	32.63"L x 13.00"W x 2.52"H
	320W,		2.93A@120V, 1.27A@277V	50000					
	360W,		3.30A@120V, 1.43A@277V	55000					
	400W)		3.67A@120V, 1.59A@277V	60000					
MAL08 140W 3CCT 480V	(56W	277-480V	0.22A@277V, 0.13A@480V	8008	143 lm/W	(3000K, 4000K, 5000K)	0-10V	Dark Bronze	23.32"L x 13.00"W x 2.52"H
	84W		0.33A@277V, 0.19A@480V	12012					
	112W		0.44A@277V, 0.26A@480V	16016					
	140W)		0.56A@277V, 0.32A@480V	20020					
MAL08 180W 3CCT 480V	(72W,	277-480V	0.29A@277V, 0.17A@480V	12000	150 lm/W	(3000K, 4000K, 5000K)	0-10V	Dark Bronze	23.32"L x 13.00"W x 2.52"H
	108W,		0.43A@277V, 0.25A@480V	17000					
	144W,		0.57A@277V, 0.33A@480V	21000					
	180W)		0.71A@277V, 0.41A@480V	25000					
MAL08 300W 3CCT 480V	(120W	277-480V	0.48A@277V, 0.28A@480V	16800	140 lm/W	(3000K, 4000K, 5000K)	0-10V	Dark Bronze	32.63"L x 13.00"W x 2.52"H
	180W		0.71A@277V, 0.41A@480V	25200					
	240W		0.95A@277V, 0.55A@480V	33600					
	300W)		1.19A@277V, 0.69A@480V	42000					
MAL08 400W 2CCT 480V	(300W,	277-480V	1.19A@277V, 0.69A@480V	46000	150 lm/W	(4000K, 5000K)	0-10V	Dark Bronze	32.63"L x 13.00"W x 2.52"H
	320W,		1.27A@277V, 0.73A@480V	50000					
	360W,		1.43A@277V, 0.83A@480V	55000					
	400W)		1.59A@277V, 0.92A@480V	60000					

Optics		Mount		Sensor	
Type II Lens	Type 2, Light Distribution Lens	Swivel Mount	Adjustable Swivel Mount	Photocell	TWIST LOCK - Photocell Sensor + Receptacle
Type IV Lens	Type 4, Light Distribution Lens	Slip-Fit Mount	Adjustable Slip-Fit Mount	BRI823	INSTALLED - PIR Bi-Level Dimming with Photocell
Type V Lens	Type 5, Light Distribution Lens	Adj Pole Mount	Adjustable Round or Square Pole Mount	RC-100 Remote	Remote Control to Program Sensor
Glare Shield	Glare Shield, Front or Back Side	Pole Mount	Pole Mount		
Glare Shield (Full)	Glare Shield, All Sides	Trunnion Mount	Adjustable Trunnion Mount		
		Wall Mount	Straight Arm Wall Mount		

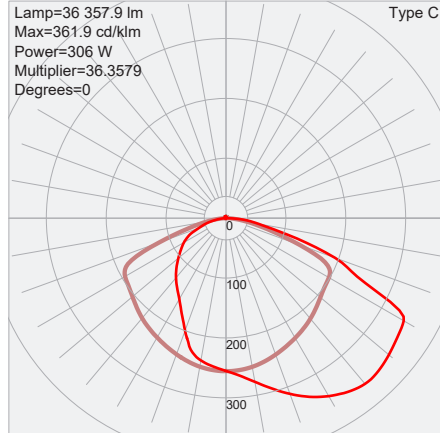


Photometric Characteristics

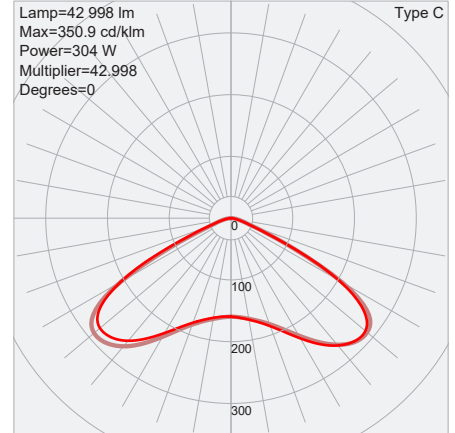
Type III Lens



Type IV Lens



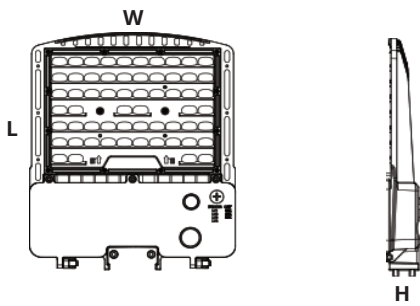
Type V Lens



Physical Dimensions

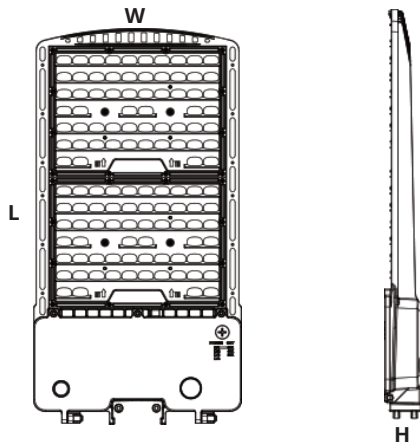
140W and 180W Models

23.32"L x 13.00"W x 2.52"H



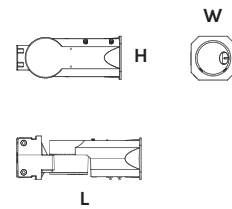
300W and 400W Models

32.63"L x 13.00"W x 2.52"H



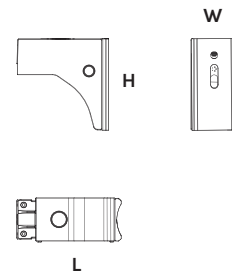
Slip-Fit Mount

8.47"L x 3.35"W x 3.35"H



Round /Square Pole Mount

6.95"L x 3.55"W x 6.97"H



Wall Mount

Mount: 6.60"L x 3.55"W x 6.97"H
Wall Plate: 5.97"W x 8.00"H

