

MRL01-MRL02 SERIES - LED Street Light

The MRL01-MRL02 SERIES - LED Street Light, Up to 141 lm/W, IP66 Wet Location, 0-10V Dimmable, Premium Outdoor Luminaire.

Premium Features

Lumen Output	9900 to 20000 lumens
Efficacy	Up to 141 lm/W
Input Voltage	120-277V
Dimmable	0-10V Continuous
CCT	4000K, 5000K
IP Rating	IP66 Wet Location
Warranty	5 Years

Applications

Premium outdoor luminaire suitable for public streets, sidewalks, highways, and parking areas.

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, powerful water jets: IEC 60529. 3G Vibration Rated. Built in Surge Suppression 10KV@120-277V.

Electrical

Input voltages 120-277V. Operating temperatures -40°F to 113°F (-40°C to 45°C).

Mounting

Slip-Fit Pole Mount installation. Optional Mounting Arm Bracket available.

Optics

Anti-UV Clear Polycarbonate IES /NEMA Type III Lens.

Controls

Includes NEMA 3-Pin Photocell Sensor.

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:

Includes Photocell and shown with optional Mounting Arm Bracket



Correlated Color Temperatures (CCT)

4000K



5000K



Specifications

Energy Data

Input Voltage: 120-277V

Input Frequency: 50/60 Hz

Wattage: 70W, 100W, 105W, 150W

Power Factor: >0.9

Total Harmonic Distortion: <20%

Operating Temperature: -40°F to 113°F (-40°C to 45°C)

Lighting Data

Lumens: 9900 to 20000 lumens

Lumens Per Watt: Up to 141 lm/W

CCT: 4000K, 5000K

Dimmable: 0-10V

Color Rendering Index (CRI): >70

L70: 50000 hours

Ordering Information

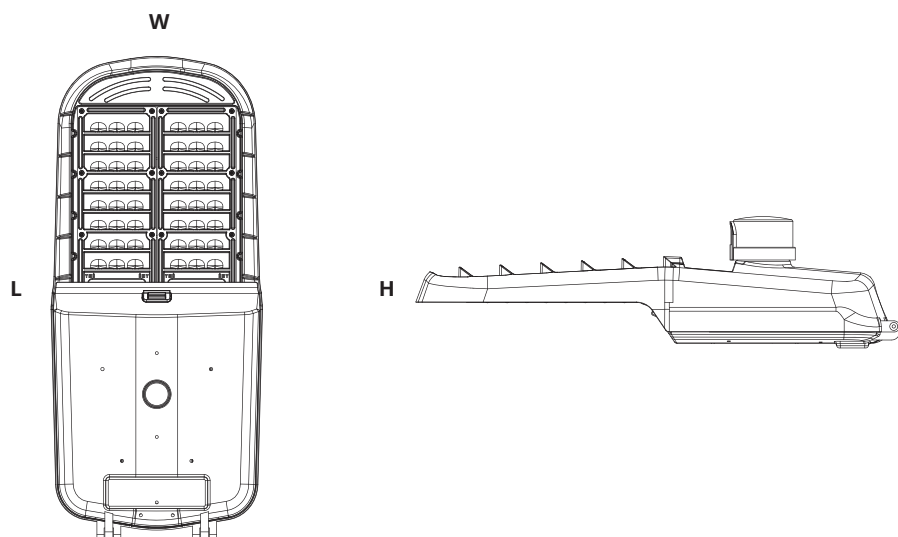
Model	Wattage	Voltage	Current	Lumens	Efficacy	CCT	Dimming	Color	Dimensions
MRL02 70W	70W	120-277V	0.64A@120V, 0.28A@277V	9900	141 lm/W	4000K	0-10V	Silver	23.84"L x 10.43"W x 4.52"H (Luminaire only) 23.84"L x 10.43"W x 6.50"H (w/ Photocell)
MRL02 105W	105W	120-277V	0.96A@120V, 0.42A@277V	14600	139 lm/W	4000K	0-10V	Silver	23.84"L x 10.43"W x 4.52"H (Luminaire only) 23.84"L x 10.43"W x 6.50"H (w/ Photocell)
MRL01 100W	100W	120-277V	0.92A@120V, 0.40A@277V	13800	138 lm/W	4000K	0-10V	Silver	23.84"L x 10.43"W x 4.52"H (Luminaire only) 23.84"L x 10.43"W x 6.50"H (w/ Photocell)
MRL01 150W	150W	120-277V	1.38A@120V, 0.60A@277V	20000	133 lm/W	4000K, 5000K	0-10V	Silver	23.84"L x 10.43"W x 4.52"H (Luminaire only) 23.84"L x 10.43"W x 6.50"H (w/ Photocell)

Shipping Information

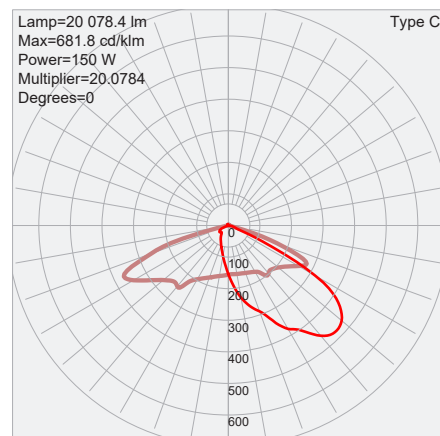
Model Size	Shipping Dimensions	Shipping Weight	Quantity /Box
70W	27.00"L x 13.00"W x 6.00"D	11.00 lbs	1
100W	27.00"L x 13.00"W x 6.00"D	11.70 lbs	1
105W	27.00"L x 13.00"W x 6.00"D	11.70 lbs	1
150W	27.00"L x 13.00"W x 6.00"D	12.30 lbs	1

Physical Dimensions

All Models 23.84"L x 10.43"W x 6.50"H



Photometric Characteristics



*Example of 150W

