

# Merak™ LED Roadway and Area Lights

MELR



DesignLights Consortium®-qualified, our Merak® energy saving LED Roadway and Area Lights utilize LM-80-rated LEDs to ensure long life and high thermal endurance. The Merak fixtures is available with an optional Locking-Type receptacle that allows the use of NEMA photocell. This very low EPA fixture also features a high-impact lens over a series of LED modules, sealed in a durable aluminum die cast housing.

## FEATURES:

- Durable, die-cast aluminum housing
- Sealed high impact polycarbonate lens
- Stainless steel latches for tool-less maintenance
- Sustainable LED module arrays, each with an independent heat sink
- Types I through III distributions
- Available in NEMA photocell-ready configuration
- Universal (120 to 277) volt operation with no re-strike delay; 347- and 480-volt models available by custom order
- Precise aiming with mast installation toggle and arm sleeve pivots
- 10 Kv surge protection and dimmable
- IP66 rating

## CONSTRUCTION:

- Optics are designed to reduce glare
- Aluminum die cast 6082 alloy
- Corrosion resistant polyester powder coat finish
- High shock and vibration resistance
- Five year limited warranty

## INSTALLATION:

- Adjustable slipfitter with -15 to +30 degree adjustment for horizontal leveling or tilting
- Slipfitter can be locked at a 90 degree angle for pole top tenon installation
- Adjustable to accommodate from 1.5 to 2-3/8 in. mounting pipe or tenon

## MERAK ROADWAY AND AREA ORDERING TYPICAL ORDER EXAMPLE: MELR120U350

Series	Technology	Type	Wattage	Voltage	Distribution	CCT	Finish*	Photo-control
ME = Merak	L = LED	R = Roadway and Area Light	30 = 30W; 2550 lm 60 = 60W; 5380 lm 90 = 90W; 7930 lm 120 = 120W; 10570 lm 150 = 150W; 13200 lm 180 = 180W; 15860 lm 210 = 210W; 18500 lm 240 = 240W; 21000 lm 270 = 270W; 23760 lm 300 = 300W; 26400 lm	U = 120-277V 4* = 347-480V	1 = Type I 2 = Type II 3 = Type III**	50 = 5000K	Blank = Standard Gray Finish B = Bronze BL = Black W = White	PC = Photo-control Receptacle

\*For 347V and 480V special order only; contact MaxLite for MOQ.

\*\*DLC listing on Type III distribution only

PROJECT NAME
CATALOG NUMBER
NOTES
FIXTURE TYPE



Photocell shown for reference only, not included

ASSEMBLED IN THE U.S. AVAILABLE



When ordering beam type, add 1, 2 or 3 for IES beam type to end of model number as indicated.

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## SPECIFICATIONS:

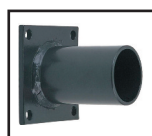
Item	Specification	Details
General Performance	Spacing Criteria	Available upon request
	Color Temperature (CCT)	5000K
	Lumens	As noted on pg. 1
	Efficacy	See pg. 1
	Beam Type Avail.	Type I, II or III
	CRI	>75
	Lumen Maintenance (L70)	104,000 hours
Electrical	Power Factor	Over 96% @120v
	Input Voltage	120V-277V 50/60 Hz
	Power Consumption	See pg. 1 for nominal
	Input Current	700MA
	Working Voltage	DC 53-210V
Physical	Dimensions	See chart below
	Weight	See chart below
	Housing	Aluminum die cast, extruded alum rails
	Lens	Polycarbonate X 2.3 mm thick
	Mounting	1.96-2.36 in. pipe (50mm-60mm)
	Mounting Heights	15-80FT
	Operating Temperature	-40°C~50°C
	Humidity	10% - 95% RH, non condensing
Certification	Certification	cULus, FCC, LM79, LM80
	Material Usage	RoHS compliant; no mercury
	Environment	Outdoor / IP66
	Warranty	5 years

Model	Fixture Weight Lbs. (Kg)	Fixture Equivalent	EPA (Sq. Ft.)	Dimensions L" x W" x H"
MELR30Ux50	10.8 (4.9)	70W HPS/MH	1.17	19.8" x 13.6" x 4"
MELR60Ux50	13.9 (6.3)	100-150W HPS/MH	1.31	22.2" x 13.6" x 4"
MELR90Ux50	16.9 (7.7)	175-250W HPS/MH	1.45	24.6" x 13.6" x 4"
MELR120Ux50	20 (9.1)	250W HPS/MH	1.59	27.1" x 13.6" x 4"
MELR150Ux50	23.1 (10.5)	300-400W HPS/MH	1.72	29.5" x 13.6" x 4"
MELR180Ux50	24.2 (11)	400W HPS/MH	1.86	31.9" x 13.6" x 4"
MELR210Ux50	25.3 (11.5)	500-600W HPS/MH	2.01	34.4" x 13.6" x 4"
MELR240Ux50	26.4 (12)	600W HPS/MH	2.21	36.9" x 13.6" x 4"
MELR270Ux50	30.6 (13.9)	750W HPS/MH	2.34	39.3" x 13.6" x 4"
MELR300Ux50	32.3 (14.6)	750-1000W HPS/MH	2.48	41.7" x 13.6" x 4"

### ACCESSORIES:



6390LBK



WMB1HBZ

A wide assortment of mounting accessories are available.

