



HL-MA01 Series LED Multi-Use Lights

2018



HLJ-L058/40W & 60W MA01-X-040 & 060

FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings, long life and easy-to-install design of the MA01 Series make it the smart choice for parking garage, building, gas station, recessed mounting or hang straight.

CONSTRUCTION

Heavy-duty cast aluminum housing; Die casting aluminum heatsink through conductive and convective cooling.

Housing is completely sealed against moisture and environmental contaminants(IP54).

FINISH

Dark Bronze and White finish. A tightly controlled multi-stage process ensures minimum 3 mils thickness for a finish that can withstand extreme climate change without cracking or peeling. Available in textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building hang applications. Light engines are available in 4000k(80min.CRI) or 5000 K (80 CRI) configurations.

ELECTRICAL SYSTEM

Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 2 Driver

Power Factor: >0.87 at full load

Total Harmonic Distortion:<20% at full load

Integral 4kV surge suppression protection standard

INSTALLATION

Multi- installation model , for quick and easy installation .

LISTINGS

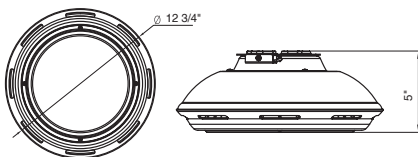
ETL (CETL) certified to U.S and Canadian standards . Rated for -35°C minimum ambient DesignLights Consortium (DLC) qualified product. Not all versions of this product may be DLC qualified . Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

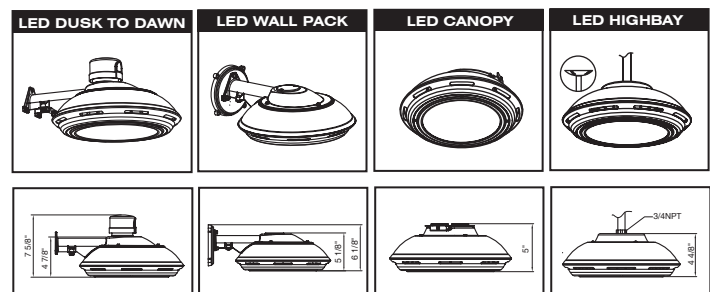
Five year limited warranty.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 ° C. Specifications subject to change without notice .

DIMENSIONS



Multi-Use



DIMENSION DATA

Luminaire	Dia.	Height	Weight (lbs.)
40W	12-3/4" (323mm)	5" (127mm)	8.37(3.8 kgs.)
60W	12-3/4" (323mm)	5" (127mm)	8.81 (4.0 kgs.)

PHOTOMETRICS

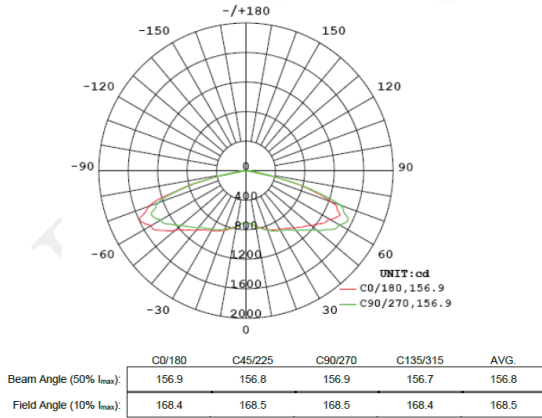
All published luminaire photometric testing performed to IESNA LM-79-08 standards by a certified laboratory.



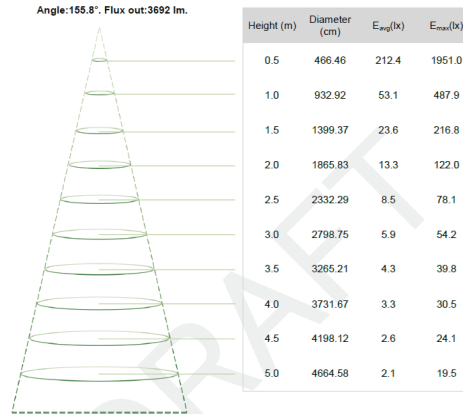
Photometric Measurement

Luminous Flux(lm)	Efficacy(lm/W)	I _{max} (cd)	S/MH(C0/180)	S/MH(C90/270)
5711.4	104.22	1622.0	2.14	2.26

Luminous Intensity Distribution



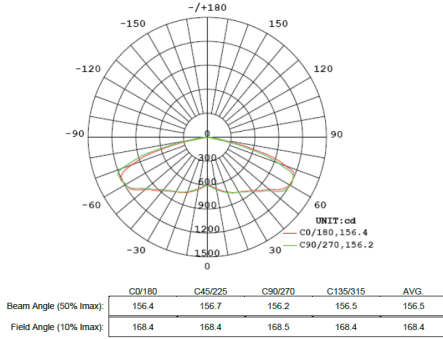
Average Area Illumination Figure



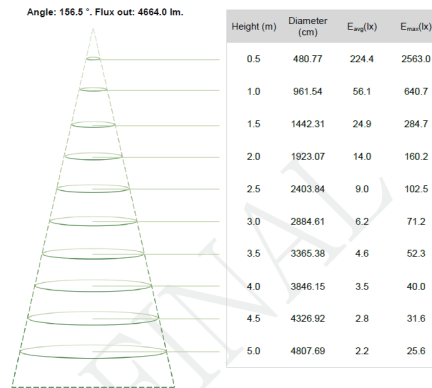
Photometric Measurement

Luminous Flux(lm)	Efficacy(lm/W)	I _{max} (cd)	S/MH(C0/180)	S/MH(C90/270)
4444.1	104.49	1221.0	2.17	2.21

Luminous Intensity Distribution



Average Area Illumination Figure



More optic photometrics , pls contact our sales or service .

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C	1.12
10°C	1.11
20°C	1.11
25°C	1.05
30°C	1.01
40°C	1.00
50°C	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **MA01 LED Lights** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.90	0.87	0.80

Typical Specification

Products		MA01-X-040-XXXX	MA01-X-060-XXXX
Item No.	Specification		
General Performance	CCT	5028+-283K	5028+-283K
	Input Voltage	120/277V	120/277V
	Input Wattage	42.53	54.8
	Initial Lumens	4444.1	5711.4
	Efficacy	104.49	104.22
	CRI	≥70	≥70
	Power Factor	>0.87	>0.87
	THD	≤20%+5% Tolerance	≤20%+5% Tolerance
	Driver Type	Constant Current / Class 2	Constant Current / Class 2
	Surge Protector	4KV	4KV
Luminaire Life	50,000 Hours	50,000 Hours	
Feature	Driver	1-10V	1-10V
	Photo Control	Compatible	Compatible
	Microwave Sensor	N/A	N/A
Operation Condition	Operating Temperature	-30°F ~ +130°F	-30°F ~ +130°F
	Humidity	≤95%	≤95%

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† System input wattage may vary based on input voltage, by up to +/- 10%, and based on manufacturer forward voltage, by up to +/- 8%.

Ordering Information

Example: MA01-X-XXX-XXXX

Product	Mounting 1	Input Power 2	Voltage 3	CCT 4	Options 5
MA01	E Parking Garage Mount	040 40W 060 60W	2 120-277V 4 347-480V	4 4000K 5 5000K	PE - Photo cell XX - Non extra options (For optional parts, please kindly check the relative parts' spec sheet, it is not suitable for all the input voltage.)
	S Extention Arm for Dusk to Dawn				
	W Wall mount				
	F1 Low bay - G1/2"				
	F2 Low bay - G3/4"				

† contact the sales for warranty terms.