ARQ Series | ARCSQUARE

LED Garage Square

Project:	
Type:	
Catalog # :	

FME Lighting | 877 - 234 - 8460 | info@fmelighting.com

c UL us LISTED CERTIFIED UL 1598 UL 8750 LED SAFETY c SA us IP66

SPECIFICATIONS

Mounting
Surface Mount Model (SM) Includes Easy-Hang Bracket Allowing One-Person Installation, Fits Standard 4" Electrical Box. Adjustable Height Trunnion (TM) and Pendant (PM) Models are Shipped Ready For Field Installation of the Mount. Mounts are Shipped in a Separate Carton.

Housing
Die Cast Aluminum Housing, ½" Coin Plugs with O-rings for Conduit or External Sensor. Built-in Sensor Housing with Color-Matched UV-Stabilized Polycarbonate Cover.

Wattage
- 40w Array: 37w, System: 40w; (Up to 100w HID Equivalent)
- 60w Array: 53w, System: 60w; (Up to 175w HID Equivalent)
- 84w Array: 74w, System: 84w; (Up to 175w HID Equivalent)

Lens
Molded UV-Stabilized Polycarbonate Lens Optically Designed for Garage Lighting Applications.

Finish
Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Controls
Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory.
Fixtures are Tested with QSSI Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

Driver
Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

EasyLED LED
Aluminum Boards

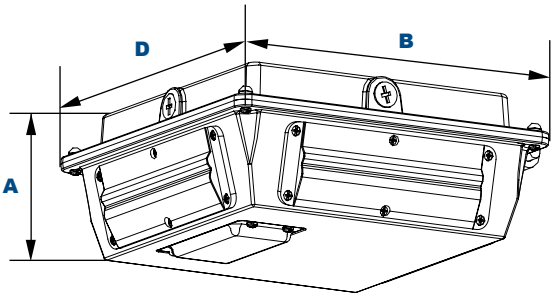
Certifications & Warranty
CSA: Listed for Wet Locations, ANSI/UL 1598, 8750.
IP66 Sealed LED Compartment.
5-Year Warranty for -40°C to +50°C Environment

KEY FEATURES

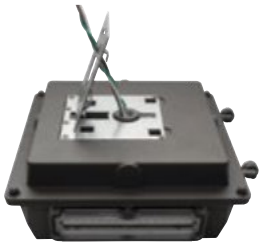
- Designed with optional integral sensor for enhanced functionality.
- Available in three wattages, offering flexibility in lighting solutions.
- Specifically crafted optical distribution to replace HID lighting systems of up to 175w MH or HPS, ensuring energy efficiency.
- Versatile application in various parking garage settings including retail centers, industrial parks, schools, universities, public transit areas, airports, office buildings, and medical facilities.
- Suitable for mounting heights ranging from 8 to 16 feet, catering to different light level and uniformity requirements.

DIMENSIONS

Dimensions	
Width (D)	11˝ (280mm)
Length (B)	11˝ (280mm)
Height 1 (A)	4½˝ (117mm)
Height with Bracket (A)	5˝ (125mm)



MOUNTING



Easy Hang Mount (SM)
Stamped Steel 2-Piece Bracket
Allows One-Person Installation.
Mounts Directly to Standard 4" Electrical Box

Trunnion (TM)
Stamped Steel Height Adjustable Trunnion
Powdercoat Finish, Includes Hardware.

Pendant (PM)
Includes Top and Bottom Covers,Brackets, and ¾" Diameter, 15" Long Downrod, Powdercoat Finish, Includes Hardware.

ORDERING INFORMATION

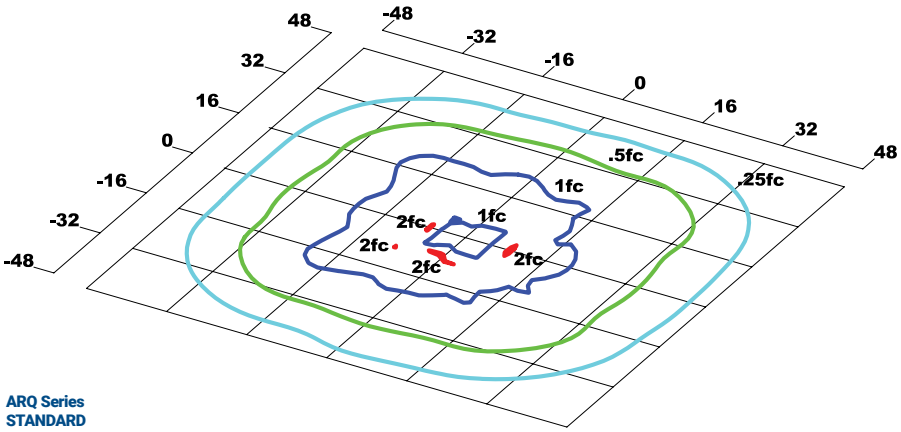
ORDERING GUIDE

Series	Wattage	CCT	Driver	Mounting	Color	Accessory
ARQ	4 = 40W	I = 4000K	A = 120-277V	SM =Easy Hang/Surface Mount	BR = Bronze	1F = Single Fuse*
	6 = 60W		B = 347-480V	TM = Trunnion (Shipped Separately)	V = Custom (Contact Factory)	2F = Double Fuse*
	8 = 84W			PM = Pendant (Shipped Separately)		SP = Surge Protection
						PC = Photocell, 120-277VAC
						MS1 = Microwave Sensor with Dimming for Mounting Heights of 8' to 40´.*
						MS2 = Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'.*
						BU1 = Battery Backup, 90 Minutes*
						BU2 = Cold Start Battery Backup, -20°C, 90 Minutes*

**A Driver (120-277V) Models Only*

ARQ Series | ARCSQUARE LED Garage Square

PHOTOMETRIC DATA



ARQ Series
STANDARD
Grid in MH
MH=16 Feet

PHOTOMETRIC PERFORMANCE

				4000 CCT 80 CRI				
LED Board Watts	**Drive Current (mA)**	**Input Watts**	**Optics**	**Lumens**	**LPW**	**B**	**U**	**G**
37w	350	40	STANDARD	4,836	121	2	4	3
53w	500	60		7,255	121	3	5	3
74w	700	84		10,158	121	3	5	4

PROJECTED LUMEN MAINTENANCE

Data shown for 4000 CCT			Compare to MH			
TM-21-11	**Input Watts**	**Initial**	**25,000 Hrs**	**50,000 Hrs**	**100,000 Hrs**	**Calculated LED Life**
Lumen Maintenance L70 @ 25°C / 77°F	All wattages up to and including 84w	1.00	0.95	0.89	0.78	138,000
Lumen Maintenance L70 @ 50°C / 122°F		1.00	0.86	0.72	0.43	53,000
Lumen Maintenance L80 @ 40°C / 104°F		1.00	0.92	0.84	0.68	62,000

NOTES:
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.