

# Microquad™ Recessed Series 2 - LED



## S P E C I F I C A T I O N S

### Housing

Three piece, .070" thick extruded aluminum, mitered and joined together to form a nominal 2' x 2' continuously lit square pattern.

### Optical Controls

- (AL) .070" thick high transmittance acrylic snap-in extended accent lens. Lens extends 3/8" below ceiling line.
- (FL) .070" thick high transmittance acrylic snap-in flush lens.

### Reflector / Heat Sink

Minimum .040" thick die-formed aluminum finished with a high-reflectance white enamel.

### Center Panel

- (PPNL/FXXX) Painted aluminum panel. Standard finish is matte white.
- (OP/CT) Open. (Center ceiling tile provided by others.)

### Finish (For Painted Center Panel)

Standard and premium finishes are baked powder coat electrostatically applied (2.0 mil minimum thickness) to assure aesthetics and durability.

### Circuitry

All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting is optional.

### Light Engine

LED light source available for 3000K, 3500K, and 4000K CCT, in high and medium light outputs, 80 or 90 CRI:

### 2' X 2' Configuration:

- HO** - High Output - with Flush Lens  
\*5008 Total Delivered Lms. at 49 System Watts
- HO** - High Output - with Accent Lens  
\*4880 Total Delivered Lms. at 49 System Watts
- MO** - Medium Output - with Flush Lens  
\*3461 Total Delivered Lms. at 32 System Watts
- MO** - Medium Output - with Accent Lens  
\*3373 Total Delivered Lms. at 32 System Watts  
(\*Values per 8' using 3500K LED modules)

### Driver

Osram-Sylvania "Optotronic" power supply is UL/CUL recognized, 0-10V dimming available, 120-277 universal voltage. 347V also available.

Note: LED drivers are factory programmable. Custom lumen outputs are available at no additional charge. Consult factory.

### Certification

Fixtures are ETL listed conforming to UL/CUL standards, and are suitable for use in "Dry Applications". IC Rated. "Damp Location" optional.

Catalog Number

Type

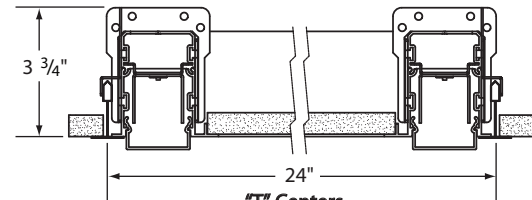
Project Name

## MQR2-Grid Ceilings

2' x 2' Recessed Square Fixture Pattern

5 Year

Limited Warranty  
LED Boards & Drivers



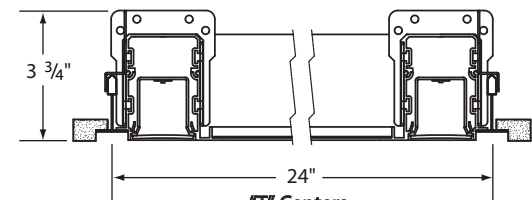
"T" Centers

MQR2-HO-FT-AL

MQR2-MO-FT-AL

Flush Tile with Accent Lens

Open Option shown - (Center Ceiling Tile By Others)



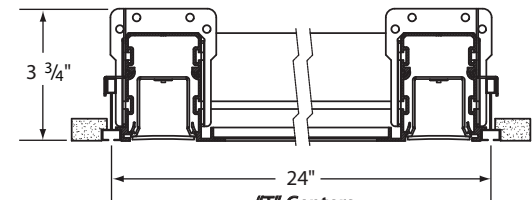
"T" Centers

MQR2-HO-TT-FL

MQR2-MO-TT-FL

Regular Tile with Flush Lens

Painted Aluminum Center Panel Option Shown



"T" Centers

MQR2-HO-SG-FL

MQR2-MO-SG-FL

Screw Slot Grid with Flush Lens

Painted Aluminum Center Panel Option Shown

\*Due to continued advancement in LED technology, lumen performance is subject to change. Please visit our website for the most up-to-date information.

Series	CCT	Standard Pattern Configuration	Mounting	Voltage
MQR2	K30 3000 Kelvin K35 3500 Kelvin K40 4000 Kelvin	2' X 2'	FT = Flush Tile Grid Ceiling TT = Tegular Tile Grid Ceiling SG = Screw Slot Grid Ceiling	120 277 347

## MQR2 - HO - K40 - 80 - 2X2 - FT - AL - PPNL/FO1M - V - [ ]

### Lumen Output

- 2'X2': HO** - High Output - w/Flush Lens  
\*5008 Total Lumens - 102 Lm/W
- HO** - High Output - w/Accent Lens  
\*4880 Total Lumens - 99 Lm/W
- MO** - Medium Output - w/Flush Lens  
\*3461 Total Lumens - 108 Lm/W
- MO** - Medium Output - w/Accent Lens  
\*3373 Total Lumens - 105 Lm/W

### CRI

80  
90

### Optical Controls

- AL**  
Accent Lens
- FL**  
Flush Lens

### Painted Center Panel - Standard Finish

- PPNL/FO1M Matte White
- PPNL/FO1G Gloss White
- PPNL/FO2 Ivory
- PPNL/FO3 Stonewash
- PPNL/FO4 Camel
- PPNL/FO5 Gray Day
- PPNL/FO6 Pebble Beach
- PPNL/FO7 Steel
- PPNL/FO8 Gray Seal
- PPNL/FO9 Mocha
- PPNL/FO10 Bronzed
- PPNL/FO11G Gloss Black
- PPNL/FO11M Matte Black
- PPNL/FO12 Ultrasonic Clear
- PPNL/FO13 Merlot
- PPNL/FO14 Red Skies
- PPNL/FO15 Lemon
- PPNL/FO16 Forest Hunter
- PPNL/FO20 Blue Print
- PPNL/FO21 Reflex Blue
- PPNL/FO22 Navy
- PPNL/FCC Custom Color

### Open Center

OP/CT Open Center with Ceiling Tile (By Others)

### Options

- NLCKT**  
Separate Night Light Circuit
- EMCKT**  
Separate Emergency Circuit
- EBPH**  
Emergency Battery Pack  
(10 Watt)  
(Externally Mtd. on Housing)
- FS**  
Fused Drivers
- Dim10**  
Dimming - to 10%
- Dim1**  
Dimming - to 1%
- Dim0**  
Dimming - to 0% (Dark)
- GTD**  
Generator Transfer Device  
(Consult Factory)
- DL**  
Damp Location



Precision Architectural Lighting

4830 Timber Creek Drive Houston, Texas 77017

Tel 713.946.4343 Fax 713.946.4441 www.pal-lighting.com



Made in America

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