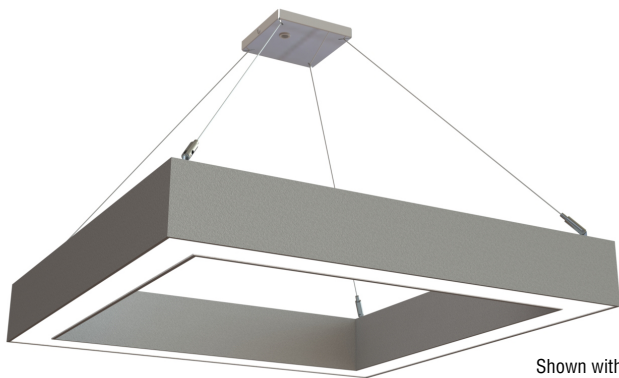


Microquad™ Suspended Series 2 - Direct LED



Shown with Flush Lens

Catalog Number	Type
Project Name	

MQS2-D-LED

Direct Suspended - Square Fixture Pattern (LED)



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

Housing

.070" thick extruded aluminum extrusion, mitered and welded to form a seamless square pattern. Standard configurations are nominal 2' X 2', 3' X 3' and 4' X 4'.

Finish

Standard and premium finishes are baked powder coat electrostatically applied (2.0 mil minimum thickness) to assure aesthetics and durability. Standard finish for ceiling canopies is white.

Direct Optical Controls

- (AL) .070" thick high transmittance acrylic snap-in extended accent lens. Lens extends 3/8" below fixture housing.
- (FL) .090" thick high transmittance acrylic snap-in flush lens.

Reflector/Heat Sink

.060" thick die-formed aluminum finished with a high-reflectance matte white enamel.

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 programmed. Custom lumen outputs are available at no additional charge. Consult factory.

Light Engine

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

2' X 2' Configuration:

HO - High Output

AL Lens: 4129 Delivered Lms. at 49 System Watts
 FL Lens: 4697 Delivered Lms. at 49 System Watts
 *Medium output and custom outputs also available. Consult factory."

3' X 3' Configuration:

HO - High Output

AL Lens: 8129 Delivered Lms. at 83 System Watts
 FL Lens: 8672 Delivered Lms. at 83 System Watts
 *Medium output and custom outputs also available. Consult factory."

4' X 4' Configuration:

HO - High Output

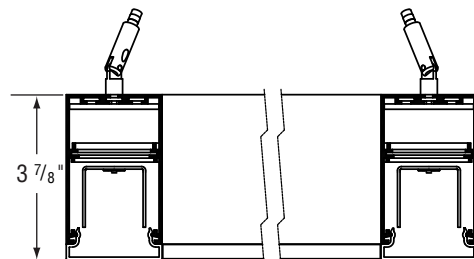
AL Lens: 10912 Delivered Lms. at 119 System Watts
 FL Lens: 11733 Delivered Lms. at 119 System Watts
 *Medium output and custom outputs also available. Consult factory."

Circuitry

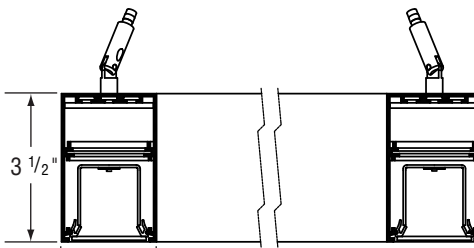
All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting optional.

Certification

Fixtures are ETL listed for use in 'Dry or Damp Applications'. Conforms to UL Standard #1598 and to CAN/CSA #C22.2No.250.0.



MQS2 - D - AL
Accent Lens



MQS2 - D - FL
Flush Lens

*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 MQS2-D	CCT K30 3000 Kelvin K35 3500 Kelvin K40 4000 Kelvin	Standard Pattern Configurations 2' X 2' 3' X 3' 4' X 4'	Mounting CSP = Cable Single Point Assy. - Fully Adj. (72" Std.)	Voltage 120 277 347 UNV
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MQS2 - D - HO - K40 - 80 - 2X2 - CSP - AL - FO1M - V - []

Lumen Output 2' X 2': HO - High Output AL Lens: * 4129 Total Lumens - 84 Lm/W FL Lens: * 4697 Total Lumens - 96 Lm/W *Lumen ratings per 8' total (3500K) 3' X 3': HO - High Output AL Lens: * 8129 Total Lumens - 98 Lm/W FL Lens: * 8672 Total Lumens - 105 Lm/W *Lumen ratings per 12' total (3500K) 4' X 4': HO - High Output AL Lens: * 10912 Total Lumens - 91 Lm/W FL Lens: * 11733 Total Lumens - 98 Lm/W *Lumen ratings per 16' total (3500K) Medium output and custom outputs also available. Consult factory.	CRI 80 90	Direct Optical Controls AL Accent Lens FL Flush Lens	Standard Finishes F01M Matte White Premium Finishes F01G Gloss White F02 Ivory F03 Stonewash F04 Camel F05 Gray Day F06 Pebble Beach F07 Steel F08 Gray Seal F09 Mocha F10 Bronzed F11G Gloss Black F11M Matte Black F12 Ultrasonic Clear F13 Merlot F14 Red Skies F15 Lemon F16 Forest Hunter F20 Blue Print F21 Reflex Blue F22 Navy FCC Custom Color	Options NLCKT Night Light Circuit (Common Neutral) EMCKT Emergency Circuit (Separate Hot & Neutral) EBPLST Self-Test EM Battery Pack (6 Watt) N/A for 2' X 2' N/A for 347V EBPHST Self-Test EM Battery Pack (10 Watt) N/A for 2' X 2' N/A for 347V Dim1 Dimming - to 1% Dim0 Dimming - to 0% (Dark) FS Fused Drivers GTD Generator Transfer Device
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Suspended - Direct

MQS2-D-HO-K35-80-2X2-FL

High Output - 2' X 2' Square Pattern

LED Optimized High Transmittance Flush Lens

Catalog Number: MQS2-D-HO-K35-80-2X2-X-FL-UNV

Report Number: #LLIA000833-002.ies

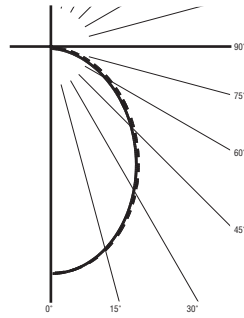
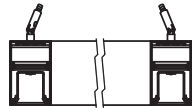
Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Flush Lens

LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.

Total Luminaire Efficacy = 95.9 Lm/W

Color Rendering Index (CRI) = 82

100% Down



LEGEND:
0-deg
90-deg

lighting facts®	
A Program of the U.S. DOE	
Light Output (Lumens)	4697
Watts	49
Lumens per Watt (Efficacy)	95.86
Color Accuracy	82
Color Rendering Index (CRI)	82
Light Color	3453 (Bright White)
Correlated Color Temperature (CCT)	3453 (Bright White)
Warm White	Bright White
2700K	3000K
4500K	6500K
<small>All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.</small>	
<small>Visit www.lightingfacts.com for the Label Reference Guide.</small>	
<small>Registration Number: INRP-4QVXZT (11/8/2017)</small>	
<small>Model Number: MQS2-D-HO-K35-80-2X2-XXX-FL-XXXX-UNV</small>	
<small>Type: Luminaire - Linear</small>	

MQS2-D-HO-K35-80-2X2-AL

High Output - 2' X 2' Square Pattern

LED Optimized High Transmittance Accent Lens

Catalog Number: MQS2-D-HO-K35-80-2X2-X-AL-UNV

Report Number: #LLIA000833-001.ies

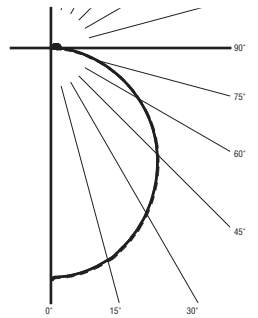
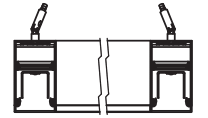
Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Accent Lens

LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.

Total Luminaire Efficacy = 84.3 Lm/W

Color Rendering Index (CRI) = 82

5% Up 95% Down



LEGEND:
0-deg
90-deg

lighting facts®	
A Program of the U.S. DOE	
Light Output (Lumens)	4129
Watts	49
Lumens per Watt (Efficacy)	84.27
Color Accuracy	82
Color Rendering Index (CRI)	82
Light Color	3432 (Bright White)
Correlated Color Temperature (CCT)	3432 (Bright White)
Warm White	Bright White
2700K	3000K
4500K	6500K
<small>All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.</small>	
<small>Visit www.lightingfacts.com for the Label Reference Guide.</small>	
<small>Registration Number: INRP-ZL7JFZ (11/8/2017)</small>	
<small>Model Number: MQS2-D-HO-K35-80-2X2-XXX-AL-XXXX-UNV</small>	
<small>Type: Luminaire - Linear</small>	

MQS2-D-HO-K35-80-3X3-FL

High Output - 3' X 3' Square Pattern

LED Optimized High Transmittance Flush Lens

Catalog Number: MQS2-D-HO-K35-80-3X3-X-FL-UNV

Report Number: #LLIA000833-006.ies

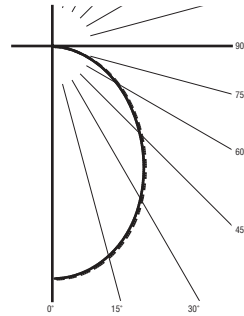
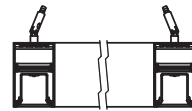
Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Flush Lens

LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.

Total Luminaire Efficacy = 104.9 Lm/W

Color Rendering Index (CRI) = 84

100% Down



LEGEND:
0-deg
90-deg

lighting facts®	
A Program of the U.S. DOE	
Light Output (Lumens)	8672
Watts	82.62
Lumens per Watt (Efficacy)	104.96
Color Accuracy	84
Color Rendering Index (CRI)	84
Light Color	3483 (Bright White)
Correlated Color Temperature (CCT)	3483 (Bright White)
Warm White	Bright White
2700K	3000K
4500K	6500K
<small>All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.</small>	
<small>Visit www.lightingfacts.com for the Label Reference Guide.</small>	
<small>Registration Number: INRP-VMNAEC (11/8/2017)</small>	
<small>Model Number: MQS2-D-HO-K35-80-3X3-XXX-FL-XXXX-UNV</small>	
<small>Type: Luminaire - Linear</small>	

MQS2-D-HO-K35-80-3X3-AL

High Output - 3' X 3' Square Pattern

LED Optimized High Transmittance Accent Lens

Catalog Number: MQS2-D-HO-K35-80-3X3-X-AL-UNV

Report Number: #LLIA000833-005.ies

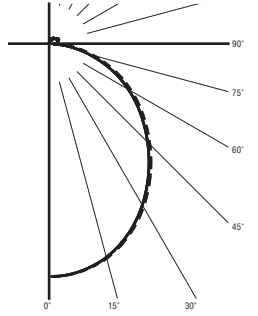
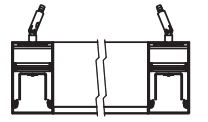
Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Accent Lens

LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.

Total Luminaire Efficacy = 98.4 Lm/W

Color Rendering Index (CRI) = 84

5% Up 95% Down



LEGEND:
0-deg
90-deg

lighting facts®	
A Program of the U.S. DOE	
Light Output (Lumens)	8129
Watts	82.63
Lumens per Watt (Efficacy)	98.38
Color Accuracy	84
Color Rendering Index (CRI)	84
Light Color	3469 (Bright White)
Correlated Color Temperature (CCT)	3469 (Bright White)
Warm White	Bright White
2700K	3000K
4500K	6500K
<small>All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.</small>	
<small>Visit www.lightingfacts.com for the Label Reference Guide.</small>	
<small>Registration Number: INRP-SDYQDV (11/8/2017)</small>	
<small>Model Number: MQS2-D-HO-K35-80-3X3-XXX-AL-XXXX-UNV</small>	
<small>Type: Luminaire - Linear</small>	



Precision Architectural Lighting 4830 Timber Creek Drive Houston, Texas 77017
Tel 713.946.4343 Fax 713.946.4441 www.pal-lighting.com

For more information, visit our website at www.pal-lighting.com



Made in America

Suspended-Direct

MQS2-D-HO-K35-80-4X4-FL

High Output - 4' X 4' Square Pattern

LED Optimized High Transmittance Flush Lens

Catalog Number: MQS2-D-HO-K35-80-4X4-X-FL-UNV

Report Number: #LLIA000833-010.ies

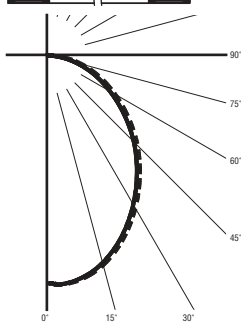
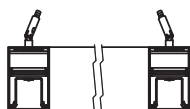
Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Flush Lens

LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.

Total Luminaire Efficacy = 98.2 Lm/W

Color Rendering Index (CRI) = 82

100% Down



LEGEND:
0-deg
90-deg

Precision Architectural Lighting

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	11733
Watts	119.5
Lumens per Watt (Efficacy)	98.18

Color Accuracy
Color Rendering Index (CRI) 82

Light Color
Correlated Color Temperature (CCT) 3447 (Bright White)

Warm White
Bright White
Daylight

2700K
3000K
4500K
6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: 1NRP-J1JB2L (11/8/2017)
Model Number: MQS2-D-HO-K35-80-4X4-XXX-FL-XXXX-UNV
Type: Luminaire - Linear

MQS2-D-HO-K35-80-4X4-AL

High Output - 4' X 4' Square Pattern

LED Optimized High Transmittance Accent Lens

Catalog Number: MQS2-D-HO-K35-80-4X4-X-AL-UNV

Report Number: #LLIA000833-009.ies

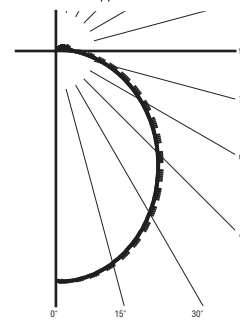
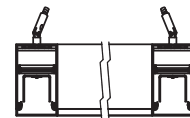
Luminaire Description: Extruded Aluminum Housing with White Aluminum Reflector and LED Optimized Acrylic Accent Lens

LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.

Total Luminaire Efficacy = 91.3 Lm/W

Color Rendering Index (CRI) = 82

5% Up 95% Down



LEGEND:
0-deg
90-deg

Precision Architectural Lighting

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	10912
Watts	119.5
Lumens per Watt (Efficacy)	91.31

Color Accuracy
Color Rendering Index (CRI) 82

Light Color
Correlated Color Temperature (CCT) 3427 (Bright White)

Warm White
Bright White
Daylight

2700K
3000K
4500K
6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: 1NRP-BJVG8L (11/8/2017)
Model Number: MQS2-D-HO-K35-80-4X4-XXX-AL-XXXX-UNV
Type: Luminaire - Linear

