

Dimmable Wet Location Side Emitting LED Linear Flex System.

AQUA EDGE displays both technology and creativity with brand new side emitting LEDs. Now the tightest radius, or the most unique contouring line is possible to illuminate evenly and consistently. Field cuttable and IP67 wet location rated. AQUA EDGE compliments the existing MODA linear flex family with powerful side emitting illumination. See MODA Metal[®] for extrusion options.

OUTPUT

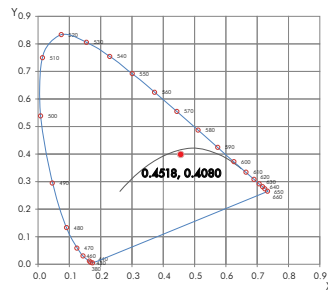
| | |
|--------------------------|--|
| Delivered Lumens | 310.06 lm / ft |
| CCT & SDMC | 3000K - 2 Step MacAdam Ellipse |
| Chromaticity Coordinates | x: 0.4518 y: 0.4080 u: 0.2586 v: 0.3502 |
| Color Bin Tolerance | + 3% / -3% |
| Efficacy (lm/w) | 70.46 |
| CRI | 82 |
| Lumen Maintenance | 70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C |
| Testing Data | Light Data LM-79-08 & LM-80-08 |

ELECTRICAL

| | |
|-------------------|---------------------------------------|
| Input Voltage | 24V DC |
| Power Consumption | 4.4W per ft (0.03A)* |
| Power Factor | ≤ 1 |
| Control | 100-277V 0-10V & Magnetic Low Voltage |

*Varies based on run and driver

CIE 1931 CHROMATICITY DIAGRAM



LUMINANCE DATA
(cd/sq.m)

| Angle in Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45 | 20307 | 10737 | 3895 |
| 55 | 31635 | 14739 | 3413 |
| 65 | 41637 | 16773 | 2735 |
| 75 | 50458 | 16015 | 1779 |
| 85 | 139711 | 22775 | 712 |

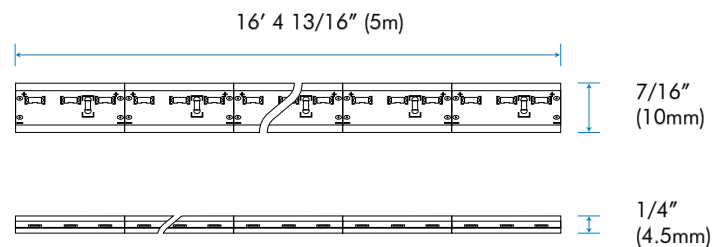
Project Name:

Notes:

PHYSICAL

| | |
|-----------------------|--|
| Applications | Wet Locations, Cabinet, Cove, Display, Niches, Perimeter Lighting |
| Dimensions | Length 16' 4 13/16" (5m) Width 7/16" (10mm) Height 1/4" (4.5mm) |
| LED Spacing | 7/16" (10mm) |
| Beam Distribution | 110° |
| Cutting Distance | 1 11/4" (31mm) |
| Weight | 11.2oz (317.5g) Per Reel |
| Construction | Constant Voltage Design Protects LEDs And Prolongs Life. White FPCB Inside a Silicone Sleeve |
| Thermal Management | N/A |
| Optics | N/A |
| Fixture Connections | Solder joints |
| Operating Temperature | -22°F ~ 122°F (-30°C ~ 70°C) |
| Storage Temperature | -40°F ~ 176°F (-40°C ~ 80°C) |
| Humidity | 0-95% Non Condensing |

DIMENSIONS



MODA TECHNOLOGY

moda**PHOSPHOR**[™]

STANDARDS & CERTIFICATIONS

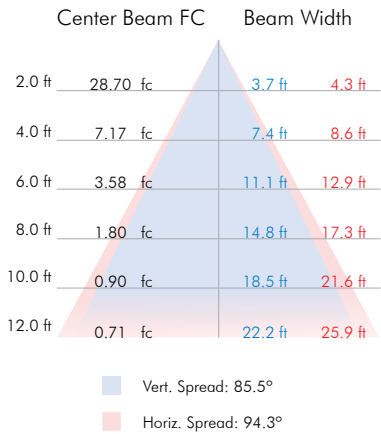


LM
79

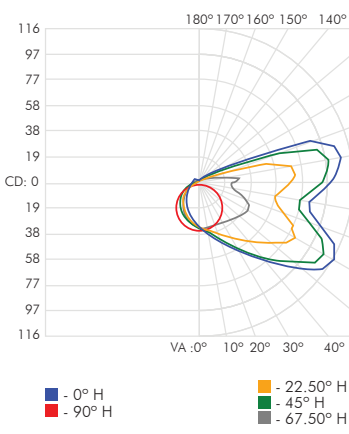
LM
80

5
YEAR
WARRANTY

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

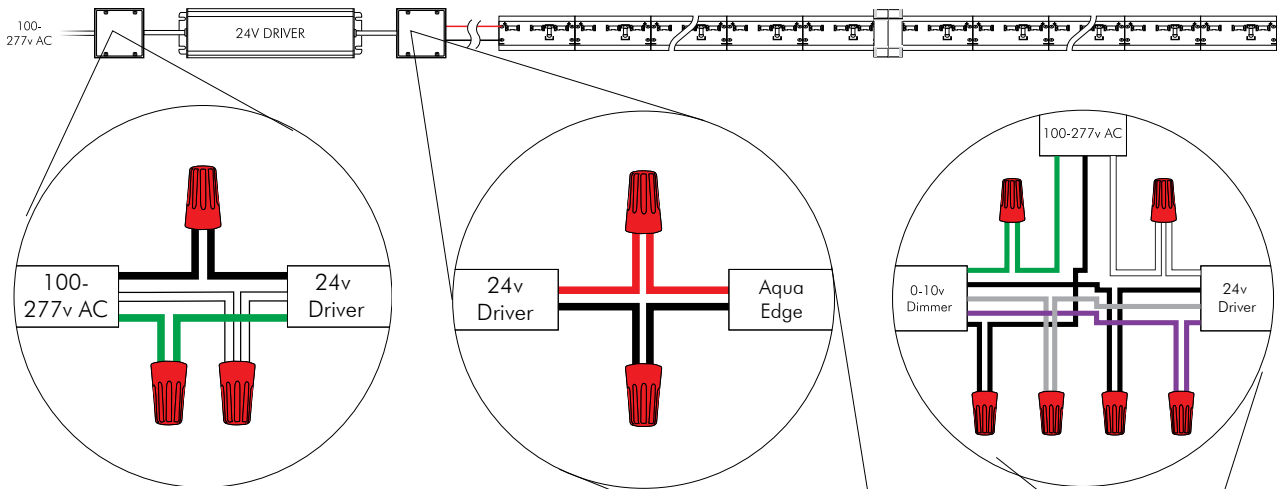
| Zone | Lumens | % Lamp | % Fixt |
|--------|--------|--------|---------|
| 0-30 | 29.76 | N.A. | 9.60% |
| 0-40 | 53.33 | N.A. | 17.20% |
| 0-60 | 124.95 | N.A. | 40.30% |
| 60-90 | 75.03 | N.A. | 24.20% |
| 0-90 | 233.16 | N.A. | 75.20% |
| 90-180 | 76.90 | N.A. | 24.80% |
| 0-180 | 310.06 | N.A. | 100.00% |

LUMENS PER ZONE

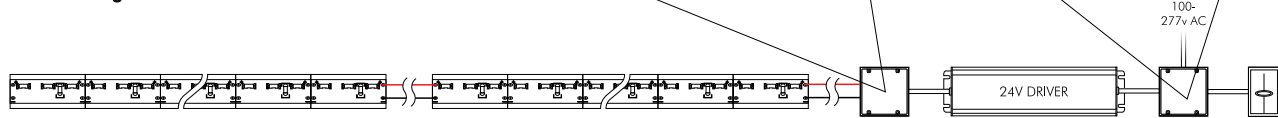
| Zone | Lumens | % Lamp | % Fixt |
|--------|--------|--------|--------|
| 0-10 | 3.38 | N.A. | 1.09% |
| 10-20 | 9.95 | N.A. | 3.21% |
| 20-30 | 16.55 | N.A. | 5.34% |
| 30-40 | 23.56 | N.A. | 7.60% |
| 40-50 | 31.37 | N.A. | 10.12% |
| 50-60 | 39.94 | N.A. | 12.88% |
| 60-70 | 41.05 | N.A. | 13.24% |
| 70-80 | 33.86 | N.A. | 10.92% |
| 80-90 | 33.36 | N.A. | 10.76% |
| 90-100 | 36.21 | N.A. | 11.68% |

WIRING

UL / cUL Non-dimming



UL / cUL 0-10V Dimming



WIRING LEGEND

| Power (100-277V AC) | 24V Driver | 0-10V Dimming |
|---------------------|----------------|----------------|
| Power Positive | Power Positive | Power Positive |
| Power Negative | Power Negative | Power Negative |
| Ground | | Ground |
| | | Data Positive |
| | | Data Negative |

MAX RUN

| | |
|-------------|------|
| 60W Driver | 12ft |
| 100W Driver | 20ft |
| 132W Driver | 27ft |
| 150W Driver | 30ft |

ACCESSORIES



MRTA68 MOUNTING CLIPS

Screws into surface to hold AQUA-EDGE

L: 1 1/5" (30mm)
W: 1/5" (5mm)
H: 1/5" (5mm)



MRTA63 END CAP

Terminates AQUA-EDGE to protect FPCB from dust or water

L: 3/5" (15mm)
W: 1/5" (5mm)
H: 1/5" (5mm)



MRTA62 3oz SEALANT

Applied between AQUA-EDGE connectors or End Caps to seal from exposure to moisture



MRTA62-XL XL SEALANT

Applied between AQUA-EDGE connectors or End Caps to seal from exposure to moisture

24v 0-10V Dimming Drivers



MP06 347V AC

60W - IP66

L: 9 2/5" (240mm)
W: 1 7/10" (43mm)
H: 1 3/10" (32mm)



MP19N 100 - 277V AC

60W - IP66

L: 9 2/5" (240mm)
W: 1 7/10" (43mm)
H: 1 3/10" (32mm)



MP87 100 - 277V AC

100W - IP66

L: 9 1/2" (241mm)
W: 2 3/10" (58mm)
H: 1 1/2" (37mm)



MP89 100 - 277V

150W - IP66

L: 9 1/2" (241mm)
W: 2 3/5" (67mm)
H: 1 3/5" (40.5mm)

24V Non Dimming Drivers



MP17 100 - 277V AC

150W - IP67

L: 8 7/10" (222mm)
W: 2 7/10" (68mm)
H: 1 1/2" (39mm)

STANDARDS & CERTIFICATIONS

| | |
|----------------------|---|
| Certification | Tested to UL & CSA by ETL For Use in USA & CANADA, Complies with California Title 24 Requirements, Lighting Facts. Exceeds ANSI C78.377A, CE & RoHS Compliant. |
| Class | 3 |
| Environment | Wet Location - IP67 |
| Warranty | 5 Year Limited Warranty |

ORDERING

AQE-EXT-S-S4-W-3K