

ENCORE™ SERIES AR250QH QUARTZ HALOGEN ILLUMINATORS

Project:

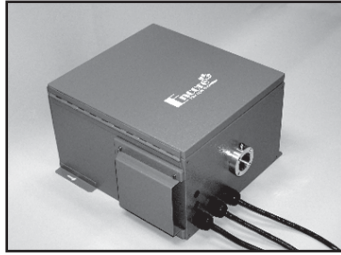
Type:

Catalog Number: **AR250QH**

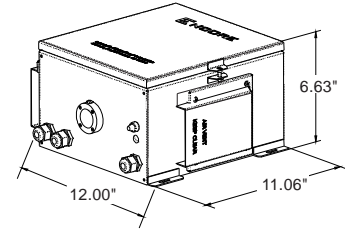
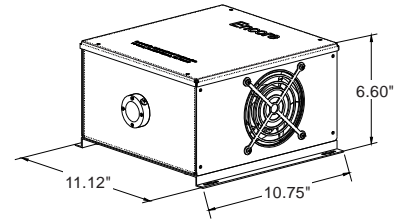
System Component: **Illuminator**



DRY ENCLOSURE



WET ENCLOSURE



SPECIFICATIONS

NOTE: Images are not to scale

Enclosure

Dimensions

Finish / Material

Shipping Weight

NEMA Rating

IP Rating

Number of Ports

Ambient Operating Temperature

Dry Enclosure

W: 11.12" (28.25cm)

L: 10.75" (27.3cm)

H: 6.60" (16.76cm)

Anodized Aluminum

9.0 Lbs (4.1Kg) Nominal

NEMA 1

IP20

1

-20°F (-29°C) to 110°F (43°C)

Wet Enclosure

W: 12.00" (30.40cm)

L: 11.06" (28.04cm)

H: 6.63" (16.84cm)

Powder-Coated CRS

18.1 Lbs (8.2Kg) Nominal

NEMA 3R

IP44

1

-20°F (-29°C) to 110°F (43°C)

Power Requirements

Transformer

Voltages

Starting Amps

Running Amps

Fuse

Listings

Regulated, 250 Watt, Fused Cord Connector (Magnetic)

Available in a wide range of voltages in 50 or 60 Hz. See Part Number Configuration on back for options. (Standard configuration: 120V/60Hz)

2.7 Amps @ 110V (Nominal) with standard magnetic transformer

2.0 Amps @ 110V (Nominal) with standard magnetic transformer

1.25in x .25in, 5.0 Amp, Fast Acting

ETL (Based on UL Standard 1598); CSA; CE Marked

Lamp

Type

Reflector

Wattage

Lumen Output

Color Temperature

Average Rated Lamp Life

Replacement PN

Ushio MR16 24V ELC, Quartz Halogen

Dichroic Glass Module

165 Watt (Derated from 250 Watt)

900 at 1foot (30.5cm) Test Fiber; 1,066 at Port

3150° K

1,500 Hours

LCN-001

Noise Level

Standard Fan

Quiet Fan

40.2 dB(A) / 47.5 dB(L)

37.4 dB(A) / 47.5 dB(L)

Warranty

Limited 1 year warranty on parts and labor (excluding lamps)

ENCORE™ SERIES AR250QH QUARTZ HALOGEN ILLUMINATORS

PART NUMBER CONFIGURATION

SERIES	LAMP	VOLTAGE	ENCLOSURE	COLOR	CONTROL	FAN
AR250QH Encore						
-3	3150° K					
-120/6M	120V 60Hz Magnetic Transformer					
-208/6M	208V 60Hz Magnetic Transformer					
-240/6M	240V 60Hz Magnetic Transformer					
-277/6M	277V 60Hz Magnetic Transformer					
-220/5M	220V 50Hz Magnetic Transformer					
-230/5M	230V 50Hz Magnetic Transformer					
-240/5M	240V 50Hz Magnetic Transformer					
-D	Dry					
-W	Wet					
-L	White Light Only					
-PC	Permanent Color Filter Only. Select filter from any Encore standard color, custom color, CTO or CTB filter.					
-CW	Stoppable 8-Part Standard Color Wheel. Standard color sequence - Orange, Hot Pink, Teal Green, Yellow, Blue, Coral, White, Aqua (Cyan).					
-C8	Stoppable 8-Part Custom Color Wheel. Select colors & sequence from any Encore standard or custom color.					
-TW1	Twinkle Wheel for Large Core Fiber					
-TW2	Twinkle Wheel for PMMA Fiber					
-TWH	Hand Painted Twinkle Wheel					
-N	None					
-MAE	Mentor color/speed control system: 7 preset speeds for 8-part standard or custom color wheels. Mentor Controller required.					
-D1D	DMX, Single Channel, White Light with Douser. DMX-CONTROL required.					
-D1C	DMX, Single Channel, 8-Part Standard or Custom Color Wheel. DMX-CONTROL required.					
-D2	DMX, Dual Channel, 8-Part Standard or Custom Color Wheel and Douser. DMX-CONTROL required.					
-1LC	Single Line Cord with variable dimmer control on enclosure. NOT suitable for wet location enclosure option.					
-2LCD	Dual Line Cord for remote dimming application.					
-2LCC	Dual Line Cord for remote color wheel control.					
-3LC	3 Line Cord for remote dimming and remote color wheel control.					
-S	Standard Fan					
-QF	Quiet Fan (Dry Location ONLY - Not available for Wet Location Enclosure option)					

EXAMPLE:

AR250QH - 3 - 120/6M - D - CW - D2 - QF

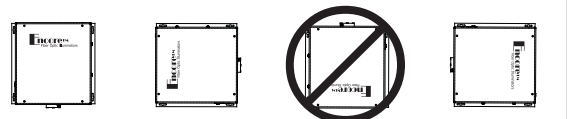
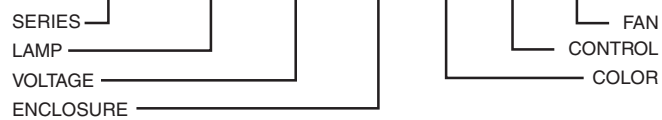


Figure 1 - Vertical Surface Mounting - Dry Enclosure

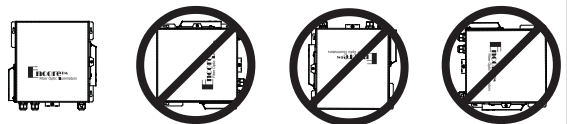


Figure 2 - Vertical Surface Mounting - Wet Enclosure

Notes

- 1) Encore Illuminators are air-cooled. Positive ventilation must be provided for proper operation. If installed in an enclosed area, a minimum of 4 cubic feet of surrounding airspace is required for each illuminator. A minimum of 12" mounting clearance is required between adjacent illuminators or other obstructions. DO NOT allow the air vents to become obstructed. Ventilation can be improved with the addition of the DUCT-AR kit, sold separately.
- 2) Relamping: Lamp is extremely hot to the touch. Allow sufficient time to cool before removal. Handle by reflector edges only. Damage to the lamp and/or reflector will occur from contamination by the natural oils on your hands. Clean cotton gloves are recommended.
- 3) Refer to Figures 1 & 2 above for proper mounting orientation on a wall or other vertical surface. The Dry Enclosure configuration may also be mounted on a shelf or other horizontal surface. The Wet Enclosure configuration is designed for vertical surface mounting only with the aperture and air vents pointing downward. DO NOT mount the Wet Enclosure unit on a shelf or other horizontal surface.
- 4) Fiber(s) should exit illuminator straight for at least 18" before large bends.
- 5) Refer to Control section of Part Number Configuration above for dimming options.
- 6) Do not mount with fiber harness aperture upward.
- 7) All specifications are subject to change without notice.