PHOENIX®
DURABILITY X DESIGN™
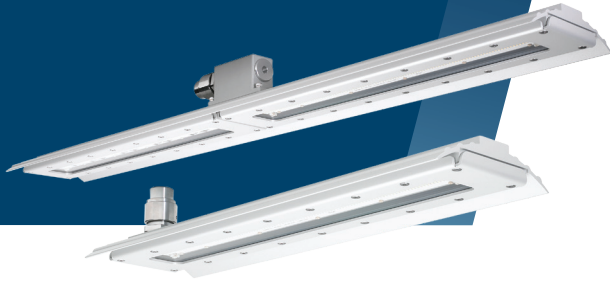
Conquer™ Series Linear

Mid-watt Hazardous Rated Linear LED

Hazardous and high-temperature rated linear lighting

LED lighting designed for the most extreme environments

Versatile design allows for various mounting and wiring options

Ideal for paper mills, steel mills, processing facilities, foundries, oil and petrochemical complexes and more

Key Applications

High Temperature Applications:
-Steel mills
-Paper & pulp mills
-Foundries
-Power plants
-Processing plants

Hazardous Applications:
-Oil & gas refineries
-Food & beverage processing LNG carriers
-Petroleum & chemical tankers
-Fuel depots
-Drilling rigs
-Aircraft maintenance
-Wastewater treatment plants

Compliances

UL/cUL Listed to:
  • UL 1598 Suitable for Wet Locations
  • UL 844 Hazardous Location (-40°C to +55°C)
     Class I, Division 2 Groups A, B, C, D
       T4, 135°C (275°F) maximum surface temperature
     Class II, Division 2 Groups F, G
       T4A, 120°C (248°F) maximum surface temperature
     Class III
  • CSA C22.2 No. 137-18
  • CSA C22.2 No. 250.0
  • CSA C22.2 No. 250.13
IP67
NEMA 6

Specifications

Construction	Cast aluminum housing
Finish	Gray powder coat
Hardware	316 stainless steel
Lens	5 mm tempered glass - standard
Light source	Up to 60W (2ft, 6600 lumens) and 80W (4ft, 9400 lumens) Cool white (5000K) LEDs (CW) Additional color temperatures - contact factory
Power source	120V or 277V, 50/60Hz 60,000 hour rated life (55C)
Surge protection	6 kV
Wiring	1 x M25 10 foot (3 meter) foot cable (standard)
Ambient operating temperature	-40°C to +85°C
Mounting	Various mounting accessories (order separately)
Vibrations	3 Grms, 100-2200 Hz along 3 axes
Fixture weight	2 ft: 13.9 lbs (6.3 kg) 4 ft: 25.6 lbs (11.6 kg)
Warranty	5 years (-40°C to +64°C ambient temperature) 2 years (+65°C to +85°C ambient temperature)

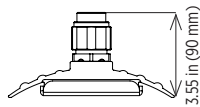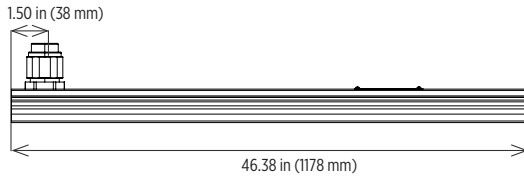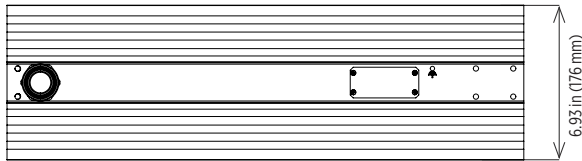*For IES files, see website or contact factory*
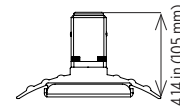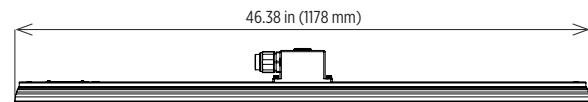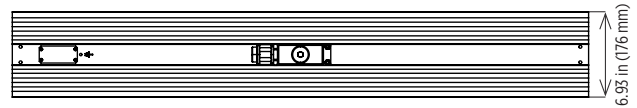
Conquer™ Series Linear

Mid-watt Hazardous Rated Linear LED

Dimensions

2 foot

6.93 in (176 mm)

1.50 in (38 mm)

46.38 in (1178 mm)

3.55 in (90 mm)

4 foot

6.93 in (176 mm)

46.38 in (1178 mm)

4.14 in (105 mm)

Ordering Information

Example: CQL-2-60-CW-120-TE

Fixture	Length	Color Temperature	Voltage	Options
CQL	2-60	CW	120	TE [1]
	4-80		277	SE [2]

Length
2-60 2 foot, 60W, 6600 lumens
4-80 4 foot, 80W, 9400 lumens

Color Temperature
CW Cool white

Voltage
120 120V, 50/60 Hz
277 277V, 50/60 Hz

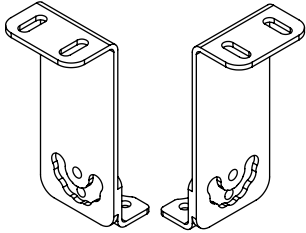**Options**
TE [1] Top entry
SE [2] Side entry

Notes
1 Required for stanchion mount
2 Not available on 2 foot model

Special Projects: We may be able to accommodate your special projects, so please don't hesitate to ask about additional options. Minimum order quantities and/or extended lead times will apply. Contact your Phoenix representative with specific inquiries.
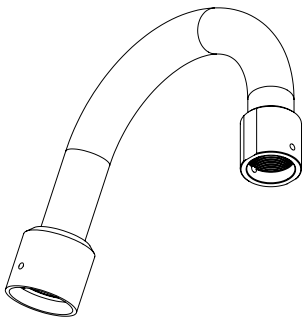
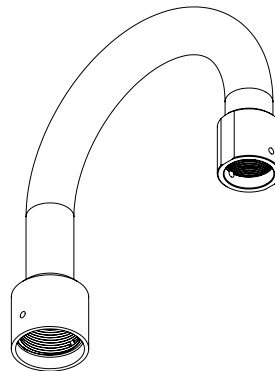## Mounting Accessories (order separately)

Wall/Ceiling Mounting Bracket
WCM-CQL

Stanchion Mount Bracket (25°) [1, 2]
25S-CQL4

Stanchion Mount Bracket (90°) [1, 2]
90S-CQL4

Notes

1   Must order fixture with TE (top entry and 10 foot cable) option
2   Only available on 4 foot models

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found at www.phoenixlighting.com.

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