

EVTL Explosionproof Task Light

Cl. I, Groups B, C, D
Cl. I, Zone I, IIB+H₂
Cl. II, Groups E, F, G
Class III Simultaneous
Presence

Wet Locations
Marine Locations
NEMA 3, 3R, 4, 4X

10L

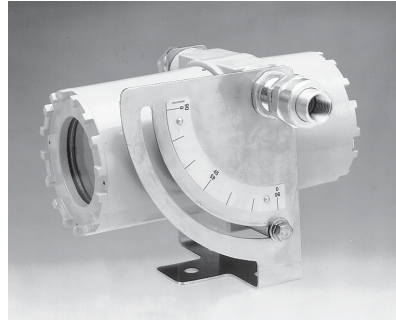
Applications:

EVTL Task Light Luminaires are used:

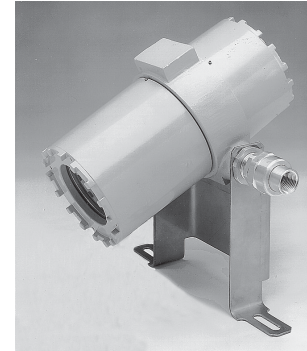
- For various task lighting requirements in locations that are hazardous (classified) due to the presence of flammable gases or vapors, combustible dusts, or easily ignitable fibers and flyings
- In marine applications where water spray and corrosive atmospheres are considerations
- In areas where conventional lighting is not acceptable due to size and/or location
- In locations where an adequate light source is necessary for tank, instrument, and gauge applications
- In porthole or sightglass applications where a spotlight is required for visibility inside tanks, vats, and process vessels
- In manufacturing plants, refineries, pharmaceutical, chemical, petrochemical, and other industrial process facilities, waste or sewage treatment facilities, grain processing and handling facilities, and other heavy industrial applications

Features and Benefits:

- Class I, II, III, Simultaneous Presence - suitable for most hazardous (classified) areas
- Class I, Group B standard - suitable for areas containing hydrogen
- Wet and marine (NEMA 4X) suitability - perfect for hose down applications
- 55° ambient suitability addresses higher ambients typical of industrial plants
- Cast copper-free aluminum housing with Corro-free™ epoxy powder coat finish for superior corrosion resistance
- Stainless steel mounting brackets and hardware for superior corrosion resistance
- Two mounting styles (bracket and leg) to maximize mounting flexibility
- Bracket (universal) for ceiling, wall, or base mounting
- Leg (site glass) for site glass mounting
- Uses standard 50 watt PAR 20 medium base 120V lamps - improved light output, economical, long life 2000-2500 hour light source
- Uses 50PAR20 130V lamps for added lamp life - increase lamp life to 5000+ hours while maintaining 76% lumen output
- 50PAR20 lamps available in both flood and spot light patterns - vary the illumination characteristics by simply changing lamps
- Easy access interior reduces maintenance and lamp replacement time
- Seal within 5 ft. (not 18") of luminaire provides greater flexibility in seal location



EVTL1B50



EVTL1L50

Certifications and Compliances:

- NEC/CEC:
 - Class I, Division 1 & 2, Groups B, C, D
 - Class II, Group E, F, G
 - Class III
 - Class I, Zone 1 & 2, Group IIB + H₂
 - Wet locations
 - Marine locations
 - NEMA 4X
- NEC:
 - Simultaneous Presence
- UL Standards:
 - 844—Hazardous (Divisions Classified) Locations
 - 1571—Ordinary and Wet Locations, Marine Outside Type
- CSA Standards:
 - C22.2 No. 137

Standard Materials:

- Housing — copper-free aluminum
- 3/4" NPT hub and plug — aluminum
- Mounting bracket(s) and external hardware — stainless steel
- Gasket — silicone rubber
- Lens — heat- and impact-resistant clear glass

Standard Finishes:

- Aluminum housing (exterior) — Corro-free™ epoxy powder coat
- Stainless steel — natural

Ratings (Electrical/Size): Source/Wattage (Medium Base Lamps)

- 50PAR20 type—50W 120V halogen parabolic reflector; lamp life 2000-2500 hrs.
- 130V lamps available to extend lamp life to 5000+ hrs.

Voltage

- 120V 60 Hz

Hub Size

- (1) 1/2" NPT
- For through-feed, use EVTL-TF1

Ordering Information:

Cat. #	Conduit Entry	Mounting Style	Wattage
EVTL1B50	1/2"	Bracket (Universal)	50
EVTL1L50	1/2"	Leg (Site Glass)	50

Temperature Performance Data:

		Class I, Div. 1, Groups B, C, D Class II, Div. 1, Groups E, F, G Class III Simultaneous Presence Class I, Zone 1, IIB + H	Supply Wire °C
Cat. #	Maximum Ambient °C		
EVTL1B50	40	T3B	85
EVTL1L50	40	T3B	85

Install luminaire within aiming ranges shown on nameplate (see Dimensions).

Crouse-Hinds

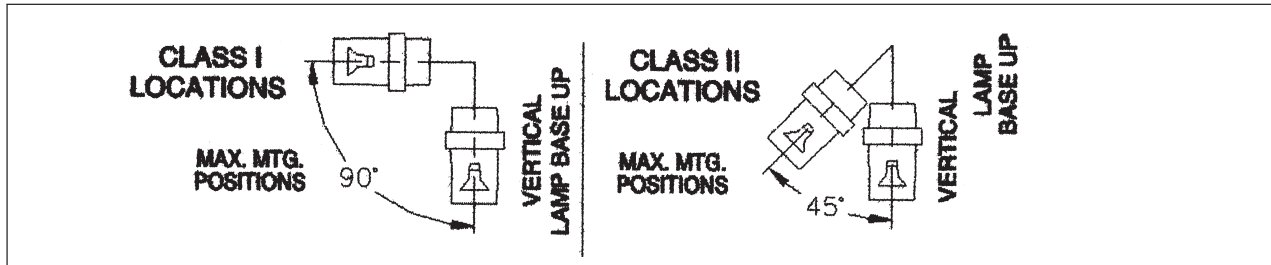
by E.T.N

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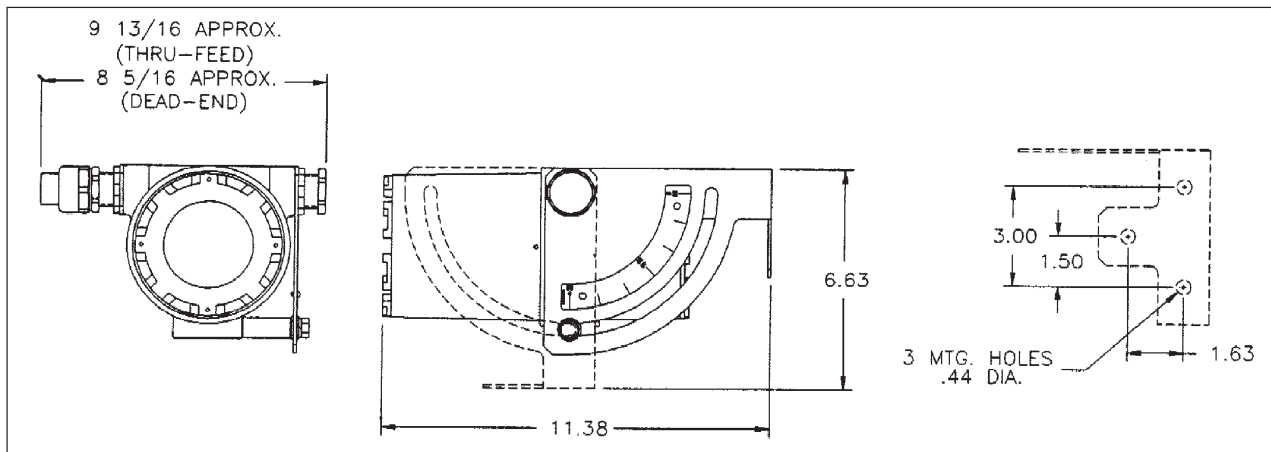
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Aiming Range:



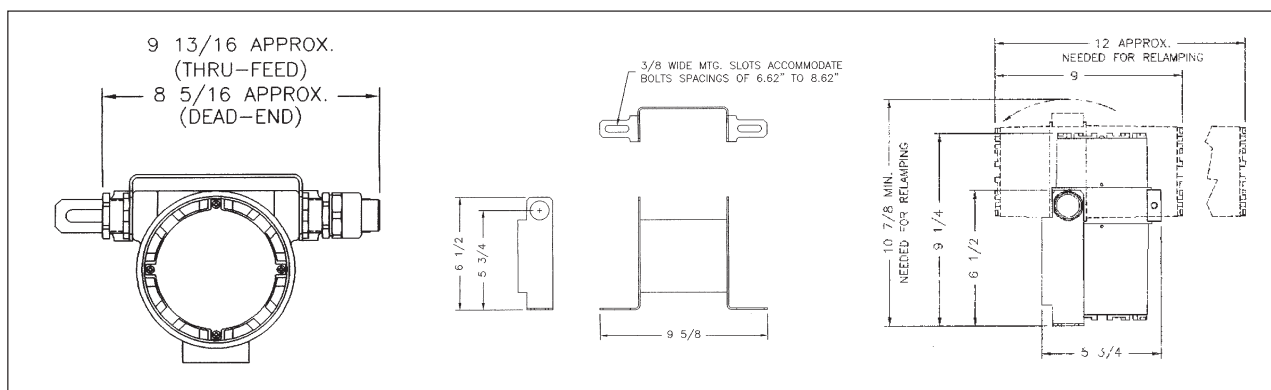
Dimensions:

Bracket Mount



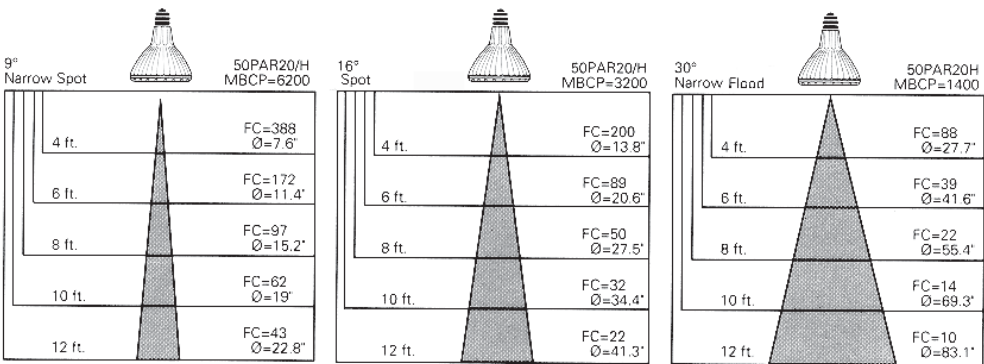
Dimensions:

Leg Mount



Net Luminaire Weights: (lbs.)

Luminaire Cat. #	Weight (lbs.)
EVTL1B50	7
EVTL1L50	7
EVTL-TF1	1/2



MBCP = Maximum Beam Candlepower Ø = Diameter of beam spread in inches FC = Footcandles measured at 0°

Lamp Light Distribution – (Philips lamp data shown. Similar for other manufacturers.)
Data shown is for 120 volt lamps.
For 130 volt lamps adjust data using a .76 multiplier.