

# TVA Obstruction, Approach and Boundary Luminaires

For use with Threaded Rigid Metal Conduit and IMC.

**CEC:**  
Listed for Ordinary (Unclassified) Locations

**CEC –Optional:**  
Class I, Division 2 versions are available

## Applications

- Transport Canada approved TVA490 series low intensity obstruction, approach or boundary light.
- TVA490 series obstruction lights are suitable for use on communication towers or other tall structures and buildings.

## Features

- TVA obstruction lights are available with one or two lamps.
- Models are equipped with rainports in the globe holder which keeps the wiring chamber dry.
- TVA obstruction lights are rugged cast aluminum construction.
- Two lamp fixtures are furnished with pre-wired sockets.
- Utilizes Type A-21, 116 W clear traffic signal lamp.
- A corrosion resistant finish protects TVA fixtures. TVA490 obstruction lights are approved for use by Transport Canada.
- Engineered for easy and safe maintenance, TVA490 fixtures are serviced without tools:
  - (1) The globe holder is secured with a captive thumb screw
  - (2) a one-eighth turn twist removes the globe and globe holder
  - (3) the assembly is hung from a safety chain freeing both hands
- Fresnel glass lenses and three lamp holder positions permit use of TVA490 fixtures on structures below 15.2 meters (50 feet), from 15.2 to 30.5 meters (50 to 100 feet), and over 100 feet/30.5 meters.
- A plugged 1" side hub and a 1-1/4" bottom hub provide conduit entry.
- Transfer and failure alarm relays for both one and two lamp fixtures.
- Pilot light assembly contains a red pilot light to indicate lamp failure.

## Standard Materials

- TVA bodies: copperfree (4/10 of 1% max.) aluminum
- Lamp holders: porcelain
- Transfer and failure alarm, pilot light assembly: ferrous alloy enclosure
- Supply wire requirement: +90 °C (+194 °F)

## Standard Finish

- TVA490: international orange epoxy clad finish
- Transfer failure alarm, pilot light assembly: triple coat – (1) zinc electroplate, (2) chromate and (3) aluminum polymer enamel

## Options

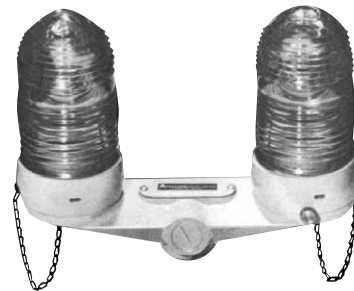
- Class I, Division 2 versions are available. Contact your local sales representative for details.

## CEC Certifications and Compliances

- CSA Standard: C22.2 No. 250
- CSA Certified: 009349



TVA 1490



TVA 2490

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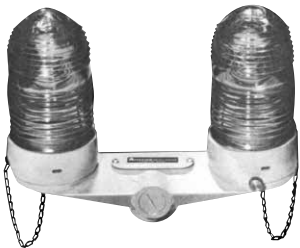
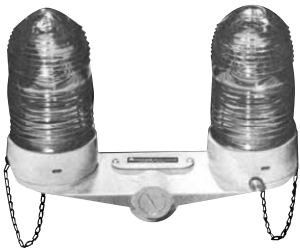





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VISUAL SIGNAL: NEC/CEC ENCLOSED AND GASKETED

Description	Hub Size (Inches)		Catalog Number	
	Side	Bottom		
<b>TVA490 Obstruction, Approach and Boundary Lights</b>				
<b>Type A-21 Clear Traffic Signal Light 116 W</b>				
<b>One Lamp Fixtures</b>				
	Obstruction with Red Globe	—	1	TVA1490
	Approach with Yellow Globe	—	1	TVA1490Y
	Boundary with Clear Globe	—	1	TVA1490C
<b>One Lamp Haz. Loc. Fixtures</b>				
	Obstruction with Red Globe	—	1	TVA1490H
	Approach with Yellow Globe	—	1	TVA1490YH
	Boundary with Clear Globe	—	1	TVA1490CH
<b>Two Lamp Fixtures</b>				
	Obstruction with Red Globe	1	1-1/4 ①	TVA2490
	Approach with Yellow Globe	1	1-1/4 ①	TVA2490Y
	Boundary with Clear Globe	1	1-1/4 ①	TVA2490C
<b>Two Lamp Haz. Loc. Fixtures</b>				
	Obstruction with Red Globe	1	1-1/4 ①	TVA2490H
	Approach with Yellow Globe	1	1-1/4 ①	TVA2490YH
	Boundary with Clear Globe	1	1-1/4 ①	TVA2490CH
<b>TVA490 Replacement Parts</b>				
<b>Mounting Fittings</b>				
	With Globe Holder and Lamp Socket			
	Single Lamp	—	1	TVA1400
	Two Lamp	1	1-1/4	TVA2400
<b>Globes</b>				
	Fresnel			
	Red			V-990R
	Aviation yellow			V-990Y
	Clear			V-990C
<b>Lamp Socket</b>				
	Porcelain — Medium Base			V-1025
<b>Globe Gasket</b>				
	Neoprene			V-2055G
<b>Wiring Chamber Cover</b>				
	Cover assembly for two lamp fixture wiring chamber. With gasket and screws			V-2010

① To order with 1/4" to 1" reducer in the bottom hub add suffix **-RB100**.



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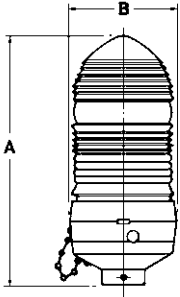
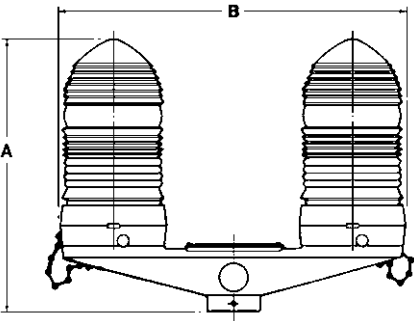
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Description	Dimensions in Millimeters (Inches)		Catalog Number	
	A	B		
<b>One Lamp</b>  	Single	254.0 (10.00)	107.95 (4.25)	<b>TVA1490</b>
<b>Two Lamp</b>  	Twin	273.05 (10.75)	349.25 (13.75)	<b>TVA2490</b>