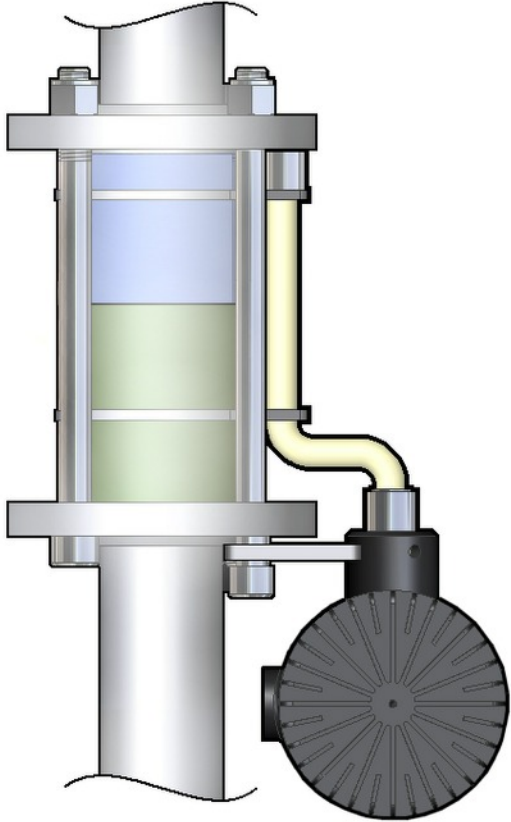


# CANTY

## PROCESS TECHNOLOGY

### GAUGE GLASS ILLUMINATOR



#### UNIQUE DESIGN

Canty Gauge Glass Lighting Systems are engineered to deliver reliable, high-performance illumination for level indicators in demanding industrial environments. Each system is built around four main components, working together to ensure safety, clarity, and durability.

##### Light Source

The light source is offered in explosion proof, flame proof, or weather proof housings. A high-output halogen bulb and reflector provide strong illumination, while an infra-red filter removes heat so only cool light reaches the gauge glass. This ensures visibility without adding thermal stress.

##### Power Supply

Power supplies are available in several configurations, including OEM units, NEMA 4/IP66 weatherproof enclosures, and explosion proof or flame proof housings. Each option is designed to meet the requirements of different applications and provide dependable operation.

##### Solid Flex bundle

The Solid Flex Bundle uses fiber optic technology to transmit light from the source to the indicator. This design ensures efficient illumination while resisting vibration and environmental wear, making it a durable solution for demanding conditions.

##### Mounting Bracket options

A range of mounting bracket options allows the light source to be securely positioned and properly aligned with the gauge glass. Customers can select the bracket style that best fits their installation, with guidance available from Canty representatives.

#### HOW IT WORKS

Canty Gauge Glass Lighting Systems are designed to illuminate liquid level gauges and tubular sight flows. The solid flex bundle can easily be attached directly to the tube glass, providing a high intensity light to pass through the liquid, strongly emphasizing the liquid level. Units are designed for use in harsh environments.

#### APPLICATIONS

- Liquid Level Gauges
- Tubular Sight Flows
- Interface Detection
- Phase Split
- Separators
- Many, many more!

#### FEATURES

- Robust, Compact and Lightweight
- High Output Halogen Lamp
- Solid Flex Bundle with Crush Resistant Teflon® Cladding
- Cold Light - No Product Bake-On
- Available in EXP, FP, NEMA 4 or IP66 Models

**CANTY**

[www.jmcanty.com](http://www.jmcanty.com)

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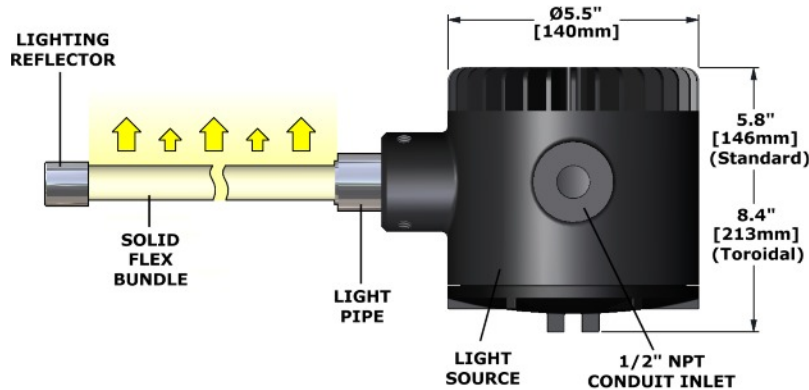
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## RATINGS

Various models feature approvals by:

- Factory Mutual:  
*Class I, Div. 1, Groups B, C & D*
  - CSA
- Approval to ATEX/CENELEC standards:  
*Class II 2 GD, EExd II C T6*

## DIMENSIONAL SPECIFICATIONS



Note: Actual bend radius for fiber optic solid flex bundle is 12" [30.5 cm].

## Ordering Information

HOW TO ORDER: Select the appropriate symbols and build a part number as shown:

**EXAMPLE:**

# HEU63R

LIGHT SOURCE			
	Weather Proof Models		EXP / FP Models
<b>EM</b>	80 Watt Toroidal (120V)	HE	80 Watt Toroidal (120V)
<b>E1</b>	80 Watt Toroidal (230V)	E7	80 Watt Toroidal (230V)

BUNDLE END FITTING	
<b>R</b>	Reflector (Side Emitting)
<b>N</b>	No Reflector (End Emitting)

FLEX BUNDLE LENGTH* (INCHES)					
<b>1</b>	24"	<b>6</b>	80"	<b>B</b>	132"
<b>2</b>	36"	<b>7</b>	84"	<b>C</b>	144"
<b>3</b>	48"	<b>8</b>	96"	<b>D</b>	160"
<b>4</b>	60"	<b>9</b>	108"	<b>E</b>	172"

POWER SUPPLY OPTIONS			
Power Supplies for Weather Proof Toroidal Lights		Power Supplies for EXP / FP Toroidal Lights	
<b>U</b>	Customer supplies ON/OFF switch	<b>U</b>	Customer supplies ON/OFF switch
<b>J</b>	80 Watt Toroidal (230V) Includes switch mounted in a WP enclosure (120V)	<b>P</b>	Includes switch mounted in an EXP enclosure
<b>P</b>	Includes switch mounted in an IP enclosure (230V)		

\* Bundle lengths listed are standard but can be cut to length as required, providing cut surface is polished to the same finish as tip before cutting. Custom bundle lengths available on request.

WP = Weather Proof  
 EXP = Explosion Proof  
 FP = Flame Proof  
 IP = Ingress Protection

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