CANTY

PROCESS TECHNOLOGY

PUREVIEW™ SANITARY SIGHT GLASS / LED LIGHTING SYSTEM

COLD LIGHT - LED

Canty LED fiber optic lighting systems have been designed to provide efficient, high output, cool light in a maintenance-free package. Conventional methods of lighting through a sightglass are ineffective since a majority of the light is reflected off of the sightglass. Canty uses only high quality fiber optic light pipes to fiber-optically guide the light from our light source through a sightglass or process connection. The LED light is focused and transmitted into the fiber optic light pipe and guided through the sightglass, minimizing losses while maximizing your tank or vessel lighting!

ADVANTAGES OF THE PUREVIEW™

- Various worldwide approvals
- Extremely high strength due to radial compression on the hermetically sealed glass
- Very high impact strength and thermal shock resistance due to pre-stressing
- Operates under positive & negative pressure
- Certification on material and pressure rating is available, typical of ASME code

APPLICATIONS

- Sterile Process Vessels
- Aseptic Tanks
- Sanitary Areas
- Portable Tanks
- Reactors, Fermentors, Sterilizers
- Freeze Dryers
- Many, many more

FEATURES

- LED is maintenance-free, no bulb changes.
- High intensity, uniform white light
- Brighter than former 80W Halogen lights
- Low power consumption, 16-20W
- Flexible fiber optic light bundle provides a high intensity output
- NEMA 4, IP66, Explosion proof (Class I, Div. 1, Group B, C & D, Class II, Div. 1, Groups E, F & G) or Flameproof EEx d IIC T6 Ratings
- One piece sanitary construction
- Connects to standard Tri-clamp® connection
- Special sizes available upon request
- Cool Light Output; There is No Product Bake On.
- ASME BPE / FDA / USP Compliant

UNMATCHED SAFETY & RELIABILITY

All Canty sight glasses feature the Fuseview™ window. Our unique fused glass windows far exceed all conventional tempered glass windows in safety and performance. By fusing glass to metal, a high pressure, high safety, hermetic seal is formed. The fused glass technology ensures safety with every Fuseview™. What's more, our windows can easily be removed for cleaning. Canty windows do not have to be discarded as do traditional tempered glass windows. Canty fused glass windows can be re-used again and again.

SPECIFICATIONS

Fiber Optic Bundle

Construction:	Multi-Fiber Glass Bundle
Exterior:	Crush Resistant Outer Tubing
Termination:	Stainless Steel, .75" diameter
Lengths:	6", 24", 36", 48", 60", 72", 96", 120", 144" lengths are available. Consult factory for more options.

Ordering Information

HOW TO ORDER: Select the appropriate symbols and build a part number as shown.
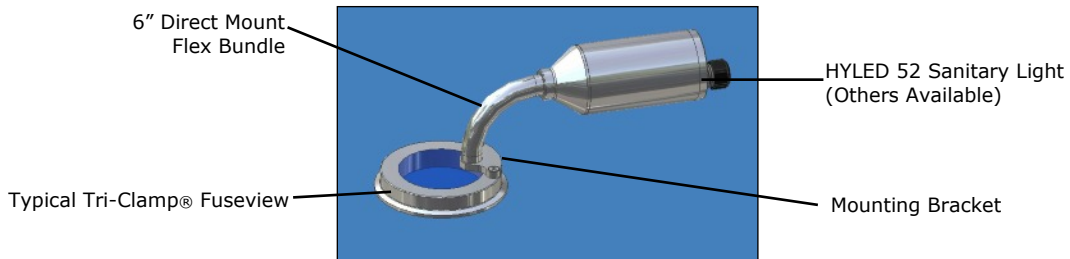**Recommended model options are shown in bold.**

EXAMPLE:

PVS226B-LED

PureView™ Light/Fuseview™ Sight Glass System

Light Specifications

120V / 230V Models:

E - 120V AC input direct to Nickel plated Aluminum light. WP rating, .25A

F - 230V AC input direct to Nickel plated Aluminum light. IP rating, .25A

G - 120V AC input direct to Ni plated Al. light. EXP rating, .25A

H - 230V AC input direct to Ni plated Al. light. ATEX FP rating, .25A

S - 120V AC input HYLED 52 series 316L S.S. light with integral momentary switch. WP rating, .25A

T - 120V AC input HYLED 52 series 316L S.S. light with with 42" momentary switch. WP rating, .25A

V - 230V AC input HYLED 52 series 316L S.S. light with integral momentary switch. WP rating, .25A

2 - 120V AC input HYLED 52 series 316L S.S. Light with S.S. 316L remote switch, integral momentary, WP rating, .25A

3 - 230V AC input HYLED 52 series 316L S.S. Light with S.S. 316L remote switch, integral momentary, IP rating, .25A

24V Models:

Y - 24V DC input HYLED 52 series 316L S.S. light with integral momentary switch. WP rating, 1A

4 - 24V DC input HYLED 52 series 316L S.S. light with S.S. 316L remote switch, integral momentary, WP/IP rating, 1A

5 - 24V DC input HYLED 52 series 316L S.S. light with 42" momentary switch. WP rating, 1A, no timer

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

Wetted Material for Fuseview™ Sightglass

B - 316L Stainless Steel

C - Hastelloy® or equal

D - Hastelloy® C-276 or equal

E - Hastelloy® C-22® or equal

U - Hastelloy® C-276 or equal with 20 µin Ra electropolished wetted surface finish

V - Hastelloy® C-276 or equal with 15 µin Ra electropolished wetted surface finish

*Consult factory for other surface finish options.

Connection Size

5 - 3 inch
6 - 4 inch
7 - 6 inch
8 - 8 inch

Fuseview™ Sightglass Specification

2 - Flush Tri-Clamp® Model

4 - NA-Connect® Model

Fiber Optic Bundle Option

Direct Mount

2 - Light is factory mounted to sight glass with either a 6" (HYL52 series) or 12" (HYL80 series) rigid bundle.

Remote Mount

A - 24 inch Flex Bundle
B - 36 inch Flex Bundle
C - 48 inch Flex Bundle
D - 60 inch Flex Bundle
E - 72 inch Flex Bundle
G - 96 inch Flex Bundle
J - 120 inch Flex Bundle
K - 144 inch Flex Bundle

Notes:
**All models include required mounting brackets.
**Canty reserves the right to upgrade to Hastelloy® C-family of alloys or equal at their own cost.

6" Direct Mount Flex Bundle

HYLED 52 Sanitary Light (Others Available)

Typical Tri-Clamp® Fuseview

Mounting Bracket