

Data Sheet

J. M. CANTY PUREVIEW™

Sanitary Sight Glass / LED Lighting System



Supplied by

247able.com

Call us on +44 (0)118 916 9420 | Email info@247able.com

CANTY

5+ YEAR LIFE

HIGH INTENSITY
UNIFORM WHITE LIGHT
OUTPUT, MAINTENANCE
FREE!

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

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.

CANTY JM Canty Inc Buffalo, NY USA
JM Canty Intl Ltd Dublin, Ireland

Ph: (716) 625 4227
Ph: + 353 (01) 882 9621

Fax: (716) 625 4228
Fax: +353 (01) 882 9622

Ordering Information

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

Recommended model options are shown in bold.

EXAMPLE:

PV S226B-LED

Light Specifications
<p>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</p> <p>24V Models: Y - 24V DC input Hyled 52 series 316L S.S. light with integral momentary switch. WP rating, 1A J - 24V DC input direct to Ni plated Al. light. EXP rating, 1A I - 24V DC input direct to Ni plated Al. light. ATEX FP 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</p>
WP = Weather Proof EXP = Explosion Proof FP = Flame Proof IP = Ingress Protection

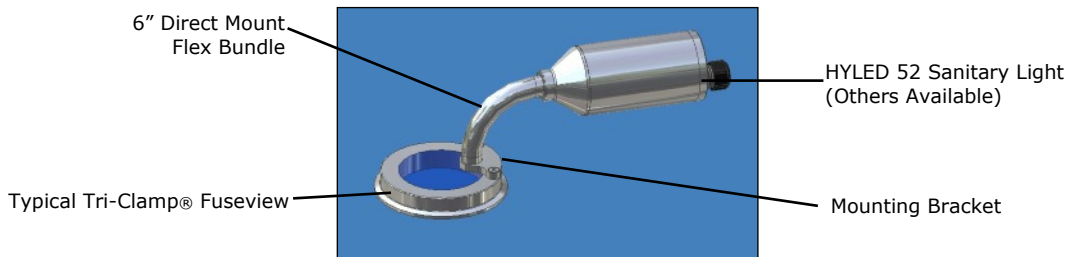
Wetted Material for Fuseview™ Sightglass
<p>B - 316L Stainless Steel C - Hastelloy® or equal D - Hastelloy® C-276 or equal E - Hastelloy® C-22® or equal U - Hastelloy® C-276 or equal with 20 µm Ra electropolished wetted surface finish V - Hastelloy® C-276 or equal with 15 µm Ra electropolished wetted surface finish *Consult factory for other surface finish options.</p>

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

Fuseview™ Sightglass Specification
<p>2 - Flush Tri-Clamp® Model 4 - NA-Connect® Model</p>

Fiber Optic Bundle Option
<p><u>Direct Mount</u> 2 - Light is factory mounted to sight glass with either a 6" (HYL52 series) or 12" (HYL80 series) rigid bundle.</p> <p><u>Remote Mount</u> 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</p>

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.



All registered trademarks are the property of their respective owners.