

# CANTY

## PROCESS TECHNOLOGY

### HYL 52 SANITARY LIGHTING SYSTEM Stainless Steel NEMA 4X Construction



#### HOW IT WORKS

The HYL 52 lighting system is designed to illuminate bio reactors, fermentors and sanitary vessels. The HYL 52 light is a fused glass light which provides a high intensity, cold light source to allow the process to be viewed under a true white light (3500° K color temperature) while adding no heat to the process, which would cause product bake-on. The HYL 52 lighting package provides a compact, cost effective lighting system to meet all of your sanitary process needs. Each Canty HYL 52 light uses a high pressure, high temperature fused glass hermetic seal to completely seal the light source from the process. The HYL 52 light can mate with a variety of couplings, including Tri-Clamp®, Sanitary or Fiber Optic Bundle connections.

#### STANDARD LIGHT SOURCE

All models feature 316L SS construction. A high output 50W halogen lamp provides bright white light to illuminate the application. A momentary switch is provided either integral to the light, or with a 42" switch cord. The light source is ready to direct-wire to a 12 V power supply (AC or DC). A 30'(9.2m) typical input power cable with cord grip is supplied, and can be wired to the appropriate power supply.

#### FEATURES

- Cold Light - Adds No Heat To Process
- Fused Glass - Safe Process Light
- Compact 1" - 4" Tri-Clamp® Design
- Fiber Optic Bundle Mount Options
- Integral or Remote Momentary Switch
- Quartz Halogen 50W White Light
- 316L SS Design Can Be C.I.P.
- Pressures Through 3,000 PSI available
- Process Temperatures From -320° F (-195°C) to 650° F (340°C) Typical
- Stainless Steel, Hastelloy® Wetted Materials. Consult Factory for Additional Options.

#### APPLICATIONS

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

#### SPECIFICATIONS

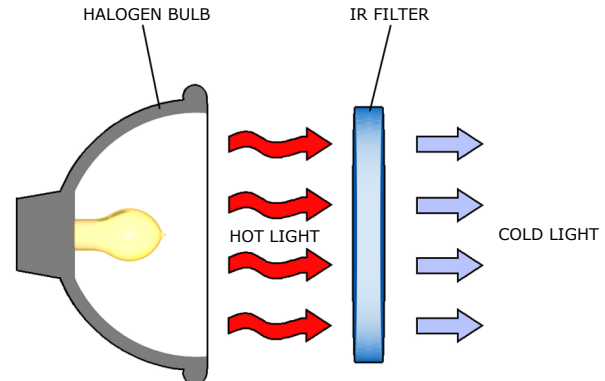
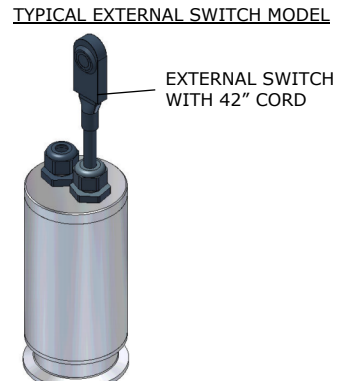
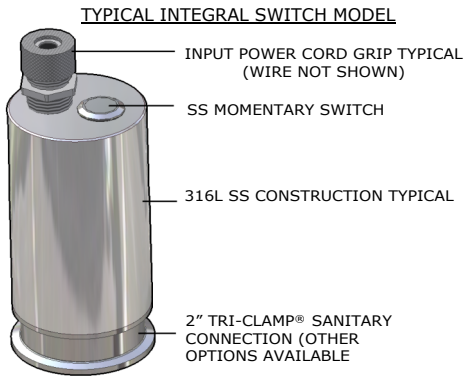
Power Req:	50 VA typical, 12V AC (or DC), 4.2 A typ.
Housings:	NEMA 4X Sanitary, IP 66 316L SS construction
Wetted Materials:	SS, Hastelloy®
Power Supply:	User Supplied, Bare Transformer (OEM)
Approx. Size:	2.5" [64mm] diameter X 5.2" [132mm] long
Weight:	1 lb. [.45 kg]

#### MOUNTING CONNECTION

Available in:

- Sightglass Mount - 12" + Fiber Optic Bundle
- 1" - 4" Tri-Clamp®, NA-Connect® Process Connection Options
- Consult Factory For Additional Options


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


### Direct Mount Ordering Information **H3AS4F00**

EXAMPLE:

<p><b>SWITCH OPTIONS</b></p> <p><u>12V (AC/DC) Input Models:</u>  <b>H3 - Integral Momentary Switch, 12V</b>          HF - External Momentary Switch with 42" cord, 12V  <u>120V AC Input Models:</u>  <b>HH - Integral Momentary Switch, 120V AC</b>          HP - External Momentary Switch with 42" cord, 120V AC  <u>230 V AC Input Models:</u>  <b>HR - Integral Momentary Switch, 230 V AC</b></p>		<p><b>MOUNTING CONNECTION</b></p> <p>D - 1"/1.5" NA-Connect® Sanitary Connection  <b>E - 1"/1.5" Tri-Clamp® Sanitary Connection</b>  <b>F - 2" Tri-Clamp®/NA-Connect® Sanitary Connection</b>          G - 3" Tri-Clamp®/NA-Connect® Sanitary Connection          H - 4" Tri-Clamp®/NA-Connect® Sanitary Connection</p>
<p><b>POWER SUPPLY OPTIONS</b></p> <p><b>(H3/HF):</b>  <b>A - No Power Supply Required. User Supplies 12V AC, 50/60 Hz (or 12V DC), 50W (min) power source.</b>          B - <u>NEMA unrated / IP00 bare transformer. Customer supplies 120V AC.</u>          C - <u>NEMA unrated / IP00 bare transformer. Customer supplies 230V AC.</u>          D - <u>Includes NEMA 4X Fiberglass PSU with transformer. User supplies 120V AC, 50/60 Hz. Includes Weather Proof NEMA 4x.</u>          E - <u>Includes NEMA 4X Fiberglass PSU with transformer. User supplies 230V AC, 50/60 Hz. Includes Weather Proof NEMA 4x.</u></p> <p><b>(HH/HP/HR):</b>  <b>A - User Supplies 120V AC or 230V AC direct to light per model number selected.</b></p>	<p><b>WETTED MATERIAL*</b></p> <p><b>S - 316L SS</b>  <b>D - Hastelloy® C276 or equal</b></p> <p>*20 Ra standard finish. For additional finishes, contact your sales representative.</p>	 2" Tri-Clamp® Model

### Fiber Mount Ordering Information **H3A10S**

EXAMPLE:

<p><b>SWITCH OPTIONS</b></p> <p><u>12V (AC/DC) Input Models:</u>  <b>H3 - Integral Momentary Switch, 12V</b>          HF - External Momentary Switch with 42" cord, 12V  <u>120V AC Input Models:</u>  <b>HH - Integral Momentary Switch, 120V AC</b>          HP - External Momentary Switch with 42" cord, 120V AC  <u>230 V AC Input Models:</u>  <b>HR - Integral Momentary Switch, 230 V AC</b></p>		<p><b>BUNDLE SHEATHING MATERIAL</b></p> <p><b>S - 304 SS Sheathing</b></p>
<p><b>POWER SUPPLY OPTIONS</b></p> <p><b>(H3/HF):</b>  <b>A - No Power Supply Required. User Supplies 12V AC, 50/60 Hz (or 12V DC), 50W (min) power source.</b>          B - <u>NEMA unrated / IP00 bare transformer. Customer supplies 120V AC.</u>          C - <u>NEMA unrated / IP00 bare transformer. Customer supplies 230V AC.</u>          D - <u>Includes NEMA 4X Fiberglass PSU with transformer. User supplies 120V AC, 50/60 Hz. Includes Weather Proof NEMA 4x.</u>          E - <u>Includes NEMA 4X Fiberglass PSU with transformer. User supplies 230V AC, 50/60 Hz. Includes Weather Proof NEMA 4x.</u></p> <p><b>(HH/HP/HR):</b>  <b>A - User Supplies 120V AC or 230V AC direct to light per part number selected.</b></p>	<p><b>BUNDLE LENGTH</b></p> <p><b>0 - 12" Rigid Bundle</b>          1 - 24" Flex Bundle          2 - 36" Flex Bundle          3 - 48" Flex Bundle          4 - 60" Flex Bundle          5 - 72" Flex Bundle</p>	<p><b>BUNDLE SELECTION</b></p> <p><b>1 - Single Leg Bundle</b>  <b>205° C Max at Tip.</b></p>  12" Rigid Bundle Model