

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

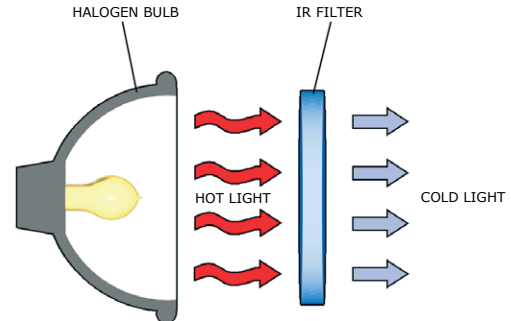
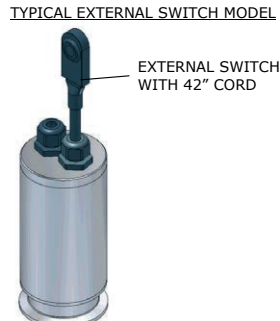
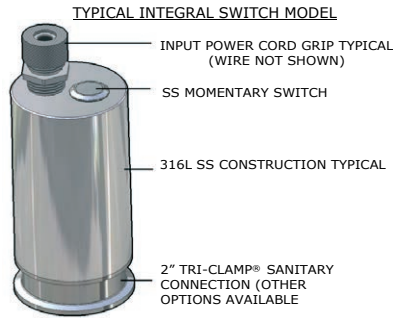
Power Req:	50 VA typical, 12V AC (or DC), 4.2 A typ.
Housings:	NEMA 4X Sanitary, IP 66 316L SS construction
Wetted Materials:	SS, Hastelloy®
Power Supply:	User Supplied, Bare Transformer (OEM)
Approx. Size:	2.5" [64mm] diameter X 5.2" [132mm] long
Weight:	1 lb. [.45 kg]

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

EXAMPLE:



H3AS4F00

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

Fiber Mount Ordering Information

EXAMPLE:

H3A10S

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