

CANTY

5,000+ HOURS

BULB LIFE, HIGH
INTENSITY UNIFORM
WHITE LIGHT OUTPUT

PROCESS TECHNOLOGY

LED SANITARY LIGHTING SYSTEM

Stainless Steel NEMA 4X Construction



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
- LED, low maintenance
- 316L S.S. Design Can Be C.I.P.
- Pressures Through 3,000 PSI available
- Process Temperatures From -320° F (-195°C) to 650° F (340°C) available
- Stainless Steel or Hastelloy® Wetted Materials. Consult Factory for Additional Options.
- Long service life
- Fiber Optic Technology

HOW IT WORKS

The LED lighting system is designed to illuminate bio reactors, fermentors and sanitary vessels. The LED 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 (5000° K color temperature) while adding no heat to the process, which leads to no product bake-on. The LED lighting package provides a compact, cost effective lighting system to meet all of your sanitary process needs. Each Canty LED light uses a high pressure, high temperature fused glass hermetic seal to completely seal the light source from the process. The LED light can mate with a variety of couplings, including Tri-Clamp®, Tuchenhagen®, NA-Connect® or Sanitary.

STANDARD LIGHT SOURCE

All models feature 316L S.S. construction. A high output LED provides bright white light to illuminate the application. A momentary switch is provided either integral to the light, or with a 42" switch cord. A 25' (7.6 m) typical input power cable with cord grip is supplied, and can be wired to the appropriate power source.

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:	12V DC, 24V DC, 100-277V AC
Housings:	NEMA 4X Sanitary, IP 66, 316L S.S. construction
Wetted Materials:	316L S.S., Hastelloy® C-276, C-22
Power supply:	Internal or remote
Approx. Size:	3" [76mm] diameter X 8" [203mm] long
Weight:	4.5 lb. [2 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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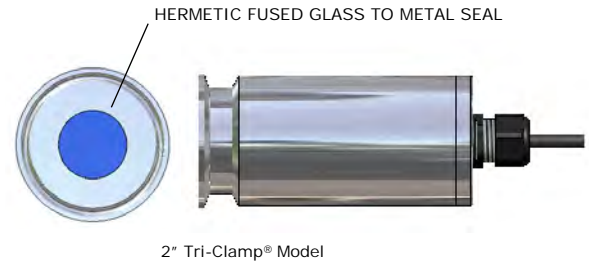
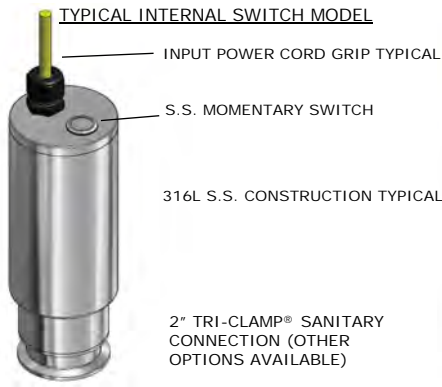
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Document P/N: TA11500-1007 rev. 0



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

Direct Mount Ordering Information **HHAS4F00-LED**

EXAMPLE:

<p>SWITCH OPTIONS</p> <p><u>INTERNAL MOMENTARY SWITCH:</u> 3 - 12 Volt DC input, 1.5 amp S - 24 Volt DC input, 1 amp H - 120 Volt AC input, .25 amp R - 230 Volt AC input, .25 amp</p> <p><u>EXTERNAL MOMENTARY SWITCH - 42" CORD:</u> F - 12 Volt DC input, 1.5 amp G - 24 Volt DC input, 1 amp P - 120 Volt AC input, .25 amp</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>A - Integral. User supplies voltage specified above direct to light per model number selected.</p> <p>*Consult factory for other options.</p>		<p>WETTED MATERIAL</p> <p>S - 316L S.S.* D - Hastelloy® C-276 or equal* E - Hastelloy® C-22® or equal* U - Hastelloy® C-276 or equal, 20 Ra Electropolish finish *20 Ra mechanical standard finish. Additional finishes available.</p>

Fiber Mount Ordering Information **HHA10S-LED**

EXAMPLE:

<p>SWITCH OPTIONS</p> <p><u>INTERNAL MOMENTARY SWITCH:</u> 3 - 12 Volt DC input, 1.5 amp S - 24 Volt DC input, 1 amp H - 120 Volt AC input, .25 amp R - 230 Volt AC input, .25 amp</p> <p><u>EXTERNAL MOMENTARY SWITCH - 42" CORD:</u> F - 12 Volt DC input, 1.5 amp G - 24 Volt DC input, 1 amp P - 120 Volt AC input, .25 amp</p>		<p>BUNDLE SHEATHING MATERIAL</p> <p>S - 304 SS Sheathing</p>
<p>POWER SUPPLY OPTIONS</p> <p>A - Integral. User supplies voltage specified above direct to light per model number selected.</p> <p>*Consult factory for other options.</p>		<p>BUNDLE LENGTH</p> <p>0 - 6" 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>