CANTY

PROCESS TECHNOLOGY

LED SANITARY LIGHTING SYSTEM
Stainless Steel NEMA 4X Construction

5,000+ HOURS
BULB LIFE, HIGH INTENSITY UNIFORM WHITE LIGHT OUTPUT

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

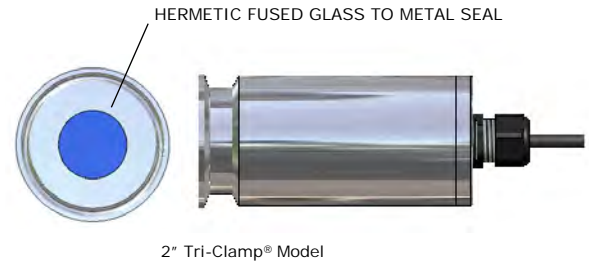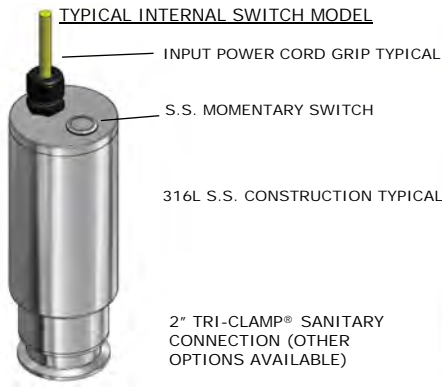*All registered trademarks are the property of their respective owners.*

TYPICAL INTERNAL SWITCH MODEL

INPUT POWER CORD GRIP TYPICAL

S.S. MOMENTARY SWITCH

316L S.S. CONSTRUCTION TYPICAL

2" TRI-CLAMP® SANITARY CONNECTION (OTHER OPTIONS AVAILABLE)

TYPICAL EXTERNAL SWITCH MODEL

EXTERNAL SWITCH WITH 42" CORD

HERMETIC FUSED GLASS TO METAL SEAL

2" Tri-Clamp® Model

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

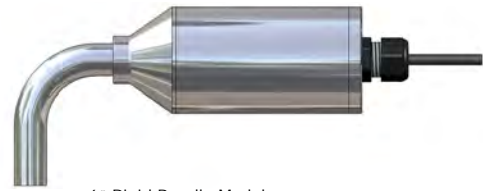## Direct Mount Ordering Information
HHAS4F00-LED

EXAMPLE:

SWITCH OPTIONS

INTERNAL MOMENTARY SWITCH:
3 - 12 Volt DC input, 1 amp
S - 24 Volt DC input, 1.5 amp
H - 120 Volt AC input, .25 amp
R - 230 Volt AC input, .25 amp

EXTERNAL MOMENTARY SWITCH - 42" CORD:
F - 12 Volt DC input, 1 amp
G - 24 Volt DC input, 1.5 amp
P - 120 Volt AC input, .25 amp

POWER SUPPLY OPTIONS

A - Integral. User supplies voltage specified above direct to light per model number selected.

*Consult factory for other options.

MOUNTING CONNECTION

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

WETTED MATERIAL

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.

Fiber Mount Ordering Information
HHR10S-LED

EXAMPLE:

SWITCH OPTIONS

INTERNAL MOMENTARY SWITCH:
3 - 12 Volt DC input, 1 amp
S - 24 Volt DC input, 1.5 amp
H - 120 Volt AC input, .25 amp
R - 230 Volt AC input, .25 amp

EXTERNAL MOMENTARY SWITCH - 42" CORD:
F - 12 Volt DC input, 1 amp
G - 24 Volt DC input, 1.5 amp
P - 120 Volt AC input, .25 amp

POWER SUPPLY OPTIONS

R - Remote power supply
T - Remote power supply with timer

BUNDLE SHEATHING MATERIAL

S - 304 SS Sheathing

BUNDLE LENGTH

0 - 6" Rigid Bundle
1 - 24" Flex Bundle
2 - 36" Flex Bundle
3 - 48" Flex Bundle
4 - 60" Flex Bundle
5 - 72" Flex Bundle

BUNDLE SELECTION

1 - Single Leg Bundle 205° C Max at Tip.

6" Rigid Bundle Model