

# SNL SERIES

## LED Sanitube Food Service Strip



CAT.#		APPROVALS
JOB	TYPE	

### SPECIFICATIONS

#### Applications -

- Standard for wet locations such as food processing, commercial kitchens, industrial areas, under awnings, cold storage, clean rooms, car washes and breweries

#### Features -

- Low wattage LED Sanitube ideal for many food processing applications
- Internal optical diffuser used for controlled, soft, uniform light distribution without pixilation
- Tested to National Sanitation Foundation (NSF) for splash zone rating; IP65 & IP66 rated
- Heavy duty one-piece non-metallic housing with gasketed ends caps & corrosion resistant stainless steel hardware prevents water entry & rust
- Long-life LEDs at L80 (80% lumen maintenance) at 60,000 hours reduce life cycle maintenance costs
- Mounting: wall, ceiling or suspended
- Available in 4' and 8' lengths
- Up to 100 lumens per watt
- Color Rendering Index (CRI) > 80
- Made In USA. Meets ARRA & Buy American requirements

#### Construction -

- Extruded acrylic enclosure eliminates risk of residue buildup
- Frosted optical diffuser reduces glare
- Certain airborne contaminants can diminish integrity of acrylic. Contact factory for chemical compatibility
- Stainless steel end caps sealed with neoprene gasket
- Threaded center stud end cap ensuring positive mechanical seal
- Stainless steel mounting brackets included
- Watertight cord system available
- Weight: 1x4 -12 lbs. 1x8 - 24 lbs.

#### Electrical -

- Input Voltage Range: 100-277 VAC Nom. (90-305 V Min/Max)
- Frequency: 50/60 Hz Nom. (47-63 Hz Min/Max)
- Active Power Factor Correction
- Power Factor: >0.90 @ full load, 100V through 277V
- Inrush Current: 60 Amps max @ 230 VAC, cold start 25°C
- Harmonic Distortion: THD < 20% @ full load



- Protection: Over-Voltage, Over-Temperature (110°) & Short Circuit with self-recovery
- Compliant to FCC Part 15 requirements for EMI/RFI emissions
- NEC/CEC compliant ballast disconnect is standard
- Optional surge protection: ANSI Std. C62.41.2 Category A (10 kV)

#### Certifications -

- CSA listed for U.S. & Canada. Tested to UL 1598 & UL 8750 standards
- Luminaires bear appropriate listing labels
- Adheres to LM79, LM80 and TM21 industry standards
- DesignLights Consortium® (DLC) qualified
- Please refer to the DLC website for specific product qualifications at [www.designlights.org](http://www.designlights.org)
- Please refer to the Lighting Facts website for specific product qualifications at [www.lightingfacts.com](http://www.lightingfacts.com)

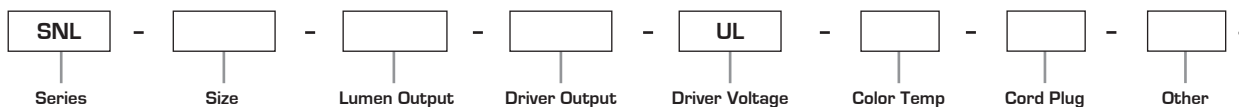
#### Warranty -

- Five year-warranty standard (Terms and Conditions Apply)



### ORDERING INFORMATION

ORDERING EXAMPLE: SNL-1X4-XL-F-UL-40K-CWH6



#### SERIES

SNL	LED Sanitube Food Service Strip
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#### SIZE

1X4	1X4 Nominal
1X8	1X8 Nominal

#### LUMEN OUTPUT

XL	Extra Low
LW	Low
ML	Medium
HL	High

#### DRIVER OUTPUT

F	Fixed
DM	0-10V Dimming <sup>1</sup>
BL	Bi-Level <sup>2</sup>

#### DRIVER VOLTAGE

UL	Universal 120-277 VAC
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#### COLOR TEMP

40K	4000
50K	5000

#### CORD PLUG

CWH6	6' Watertight Cord, No Plug
CWH12	12' Watertight Cord, No Plug
CWH25	25' Watertight Cord, No Plug

#### OTHER

LSP	Lighting Surge Protector
JP	Job Pack

#### Notes:

- Must be used in conjunction with lighting controls.
- Bi-Level driver must be controlled by sensor or A/B switching.

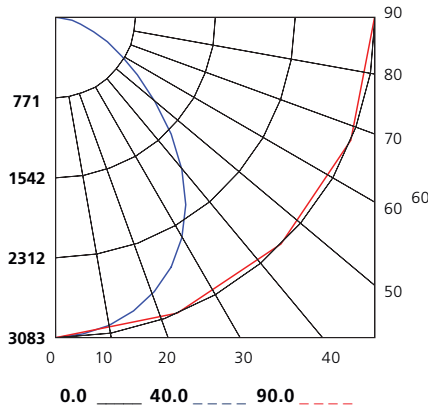
**PHOTOMETRIC REPORT:** SNL-1X4-HL-F-UL-40K | L04141604

**LUMINAIRE DATA**

<b>SNL-1X4-HL-F-UL-40K</b>	
1X4 SNL fixture with high output	
<b>BALLAST LED96W-034-C2800-M-D</b>	
Lamp	LED
Lumens	8,861
Watts	93
Efficacy	95
Mounting	Wall, Suspended, Ceiling
Spacing Criterion (D-DEG)	1.20
Spacing Criterion (DEG-90)	1.26

ZONE	LUMENS	% FIXT.
0-30	2,366	27.0
0-40	3,830	43.0
0-60	6,488	73.0
0-90	8,338	94.0

**INDOOR CANDELA PLOT**



**OPERATING ENVIRONMENT**

Proposed System	Min Temp	Max Temp
SNL-1X4-XL	-30°C/-22°F	30°C/86°F
SNL-1X4-LW	-30°C/-22°F	35°C/95°F
SNL-1X4-ML	-30°C/-22°F	35°C/95°F
SNL-1X4-HL	-30°C/-22°F	30°C/86°F
SNL-1X8-XL	-30°C/-22°F	30°C/86°F
SNL-1X8-LW	-30°C/-22°F	35°C/95°F
SNL-1X8-ML	-30°C/-22°F	35°C/95°F
SNL-1X8-HL	-30°C/-22°F	30°C/86°F

**Application Notes**

- Application temperatures are provided to ensure the longevity and performance of the driver and LEDs.
- Results are based off the In-Situ Temperature Measurement Test (ISTMT) along with the drivers' temperature and life curves.
- Hubbell Industrial's 5 year warranty assumes operation at the maximum ambient temperature range.

**COEFFICIENTS OF UTILIZATION (%)**

RCR	80				70				50				0	
	RW	70	50	30	10	70	50	30	10	70	50	30	10	0
0	118	118	118	118	118	114	114	114	114	108	108	108	108	94
1	107	102	97	93	103	99	95	91	94	90	87	87	77	77
2	97	89	82	76	94	86	80	75	82	77	72	72	65	65
3	89	78	70	63	86	76	68	62	72	65	61	61	55	55
4	81	69	61	54	79	68	59	53	64	57	52	52	47	47
5	75	62	53	47	72	61	52	46	58	51	45	45	41	41
6	69	56	47	41	67	55	46	40	52	45	40	40	36	36
7	64	51	42	36	62	50	42	36	48	40	35	35	32	32
8	60	46	38	32	58	45	37	32	44	37	31	31	28	28
9	56	43	35	29	54	42	34	29	40	33	28	28	26	26
10	52	39	32	26	51	39	31	26	37	30	26	26	23	23

RCR = Room Cavity Ratio RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

**AVG. LUMINANCE (Candela/Sq. M.)**

	0.0	22.5	45.0	67.5	90.0
0	3083	3083	3083	3083	3083
5	3059	3062	3069	3065	3058
10	3010	3012	3020	3018	3015
15	2926	2930	2943	2949	2954
20	2807	2816	2842	2861	2869
25	2649	2668	2716	2744	2752
30	2447	2484	2559	2595	2606
35	2199	2264	2371	2423	2437
40	1906	2002	2154	2230	2251
45	1582	1715	1917	2024	2052
50	1257	1412	1668	1803	1836
55	968	1123	1419	1574	1613
60	750	890	1198	1370	1415
65	554	668	968	1151	1197
70	396	490	764	941	986
75	257	352	589	750	794
80	170	252	447	588	628
85	50	142	341	459	494

**LUMEN PACKAGE OPTIONS**

**4000K DETAILS\***

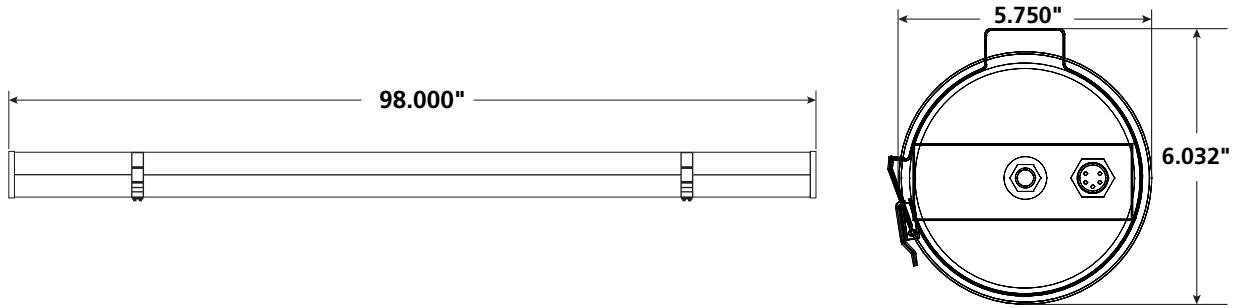
**5000K DETAILS\*\***

Proposed System	Lumen Output	CRI	CCT	Lumens Per Fixture	Input Watts	Lumens Per Watt	CCT	Lumens Per Fixture	Input Watts	Lumens Per Watt
SNL-1X4-XL	XL	>80	4000K	3,181	32	99	5000K	3,244	33	99
SNL-1X4-LW	LW	>80	4000K	5,270	52	100	5000K	5,376	54	100
SNL-1X4-ML	ML	>80	4000K	6,858	73	94	5000K	6,995	75	94
SNL-1X4-HL	HL	>80	4000K	8,861	93	95	5000K	9,038	95	95
SNL-1X8-XL	XL	>80	4000K	6,361	64	99	5000K	6,488	66	99
SNL-1X8-LW	LW	>80	4000K	10,541	105	100	5000K	10,752	107	100
SNL-1X8-ML	ML	>80	4000K	13,716	147	94	5000K	13,990	149	94
SNL-1X8-HL	HL	>80	4000K	17,721	187	95	5000K	18,076	190	95

\*Lumen values shown are initial delivered lumens tested at 25°C per IES LM-79 standards.

\*\*Lumen values calculated with 1.02 multiplier based on LED manufacturer data.

DIMENSIONS



REMOVABLE DRIVER ACCESS

SUSPENDED

BRACKET  
Included



+

STAINLESS STEEL 1/4" x 2-1/2" EYE BOLT  
Order Separately (Part #95011500)



+

STAINLESS STEEL 10' № 2 GRIPPLE LOOP  
Order Separately (Part #95003312)



SUSPENDED

BRACKET  
Included



+

STAINLESS STEEL 15' № 2 SINGLE TOGGLE  
Order Separately (Part #95011499)



SURFACE

BRACKET  
Included



+

STAINLESS STEEL 1/4" x 2-1/2" CONCRETE SCREW  
Order Separately (Part #95011498)



+

CEILING

