

S20NS LED STRIP 3 CCT SELECTABLE OPTIONAL EMERGENCY REMOTE



The S20NS Series is a great option for retrofitting your traditional fluorescent linear luminaires to balance performance, aesthetics, and cost. These high-quality LED strip lights are equipped with a frosted lens that diffuses the light comfortably, and are ideal for a wide range of commercial and industrial applications.

FEATURES & SPECIFICATIONS

CONSTRUCTION

- Physical Characteristics**
- Sleek and compact design ideal for installation in tight spaces
 - 24 gauge white powder painted steel
 - Frosted PMMA lens
 - CCT Selectable switch placed discretely inside the housing
- Mounting**
- Surface, suspended or row mounted (see accessories)
 - V-Hooks, canopy plate for octagonal junction box and mounting brackets are included

PERFORMANCE DATA

- Available in both 3 500 K and 4 000 K single color temperatures, or 3 500/4 000/5 000 K selectable color temperature
- 80+ CRI
- Electrical ratings: 120 - 347 V, 120 - 277 V and 347 V
- Estimated life of over 162 000 hours to L70
- 0 - 10 V dimming standard
- 2.5 kV surge protection
- Operating temperature: -20 °C to 50 °C [-4 °F to 122 °F]
- Operating temperature with BRIDGE: -20 °C to 25 °C [-4 °F to 77 °F]

OPTIONAL EMERGENCY LIGHTING

BRIDGE Normally ON Emergency Remote LED Strip

- Consuming 11 W, 12 - 24 VDC
 - 200 mA constant current
 - Delivers 1 216 - 1 298 lumens in emergency mode
 - Ease of maintenance when used with AimLite emergency lighting battery units complete with auto test function
 - Complements AimLite's normally ON LED Strip family.
 - Patent pending
- Please view the BRIDGE specification section for more details on this technology**

EMERGENCY LIGHTING COMPLIANCES

- CSA certified as a C22.2 C141-15 emergency lighting luminaire
- Meets ICES-005 requirements

GENERAL LIGHTING COMPLIANCES

- cULus listed for damp locations
- DLC Premium and Standard
- Meets requirements of ICES-005 issue 5 class A for use in commercial applications

OVERVIEW			
LIGHT SOURCE	LED	COLOR TEMPERATURE (K)	3 500, 4 000, 5 000
WATTS (W)	20 - 75	CRI	80+
LUMEN OUTPUT (LM)	2 640 - 9 750	WEIGHT (LBS)	24": 2.20, 48": 4.52, 96": 9.04
EFFICACY (LM/W)	130 - 134		
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;"> <p>WARRANTY 5 YEAR WARRANTY</p> </div> <div style="text-align: center;"> <p>CCT⁺ 3CCT SELECTABLE</p> </div> <div style="text-align: center;"> <p>BRIDGE¹ EMERGENCY LIGHTING LUMINAIRE REMOTE NORMALLY ON</p> </div> <div style="text-align: center;"> <p>QUICKSHIP</p> </div> <div style="text-align: center;"> <p>LED</p> </div> <div style="text-align: center;"> <p>DIMMABLE</p> </div> <div style="text-align: center;"> <p>DAMP LOCATION</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>UL CERTIFIED</p> </div> <div style="text-align: center;"> <p>SP[®] C US</p> </div> <div style="text-align: center;"> <p>FC</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>DLC LISTED PREMIUM</p> </div> <div style="text-align: center;"> <p>DLC LISTED</p> </div> </div>			

¹ 5 year warranty for the BRIDGE module.

Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE



PART NUMBER	WATTS	VOLTS	COLOR TEMP	LUMEN OUTPUT	EFFICACY	CRI	LIFE L70	TESTED HOURS LM-80	DIMMING	POWER FACTOR	THD	CASE QTY
	[W]	[V AC]	[K] ¹	[LM] ²	[LM/W]		[HRS] ⁴	[HRS] ⁴	[YES/NO]		[%]	[MASTER]
24" CCT SELECTABLE WITH EMERGENCY REMOTE FEATURE												
S20NS-24LA1-3C/EL	20 ⁵	120-347	3 500/4 000/5 000	2 640 ³	132	80+	190 000	9 000	YES	0.90	10	6
48"												
S20NS-48LA3-32/40K	35	120-347	4 000	4 585	131	80+	162 000	9 000	YES	0.90	10	6
48" WITH EMERGENCY REMOTE FEATURE												
S20NS-48LA3-40K/EL	35 ⁵	120-347	4 000	4 585	131	80+	162 000	9 000	YES	0.90	10	6
96"												
S20NS-96LA2-2/35K	75	120-277	3 500	9 750	130	80+	162 000	9 000	YES	0.90	10	1
S20NS-96LA2-8/35K	75	347	3 500	9 750	130	80+	162 000	9 000	YES	0.90	10	1

¹ Typical color temperature range: +/- 5 %.

² Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

³ Lumen values are derived from DLC reported data at 3 500 K. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.

⁴ Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

⁵ For wattage and lumen consumption in Emergency Mode, please see the BRIDGE TECHNICAL SPECIFICATION TABLE on page 3.

For emergency lighting spacing, please see page 5.

LUMEN SPECIFICATION TABLE

PART NUMBER	WATTS [W]	3 500 K		4 000 K		5 000 K	
		LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]
S20NS-24LA1-3C/EL	20	2 640	132	2 660	133	2 680	134

DEFAULT PROGRAMMING

S20NS-24LA1-3C/EL: 4 000 K

DLC UNIQUE ID TABLE

PART NUMBER	DLC PREMIUM UNIQUE ID ¹	DLC STANDARD UNIQUE ID ²
S20NS-48LA3-32/40K	S-0B8NPA	S-TZGKN8
S20NS-96LA2-2/35K	S-UWMF09	S-XFCAND
S20NS-96LA2-8/35K	S-MLD1PN	S-F5Z109

¹ Primary Use Designation: Stairwell And Passageway Luminaires

² Primary Use Designation: Direct Linear Ambient Luminaires

ORDERING GUIDE

SERIES	SIZE	LAMP TYPE	LUMEN PACKAGE ¹	VOLTS [V]	COLOR TEMP. [K]	OPTIONS
S20NS	48 - 48"	L - LED	A3 - 4 585 LUMENS (35 W)	32 - 120-347	40K - 4 000	EL - BRIDGE NORMALLY ON EMERGENCY REMOTE ²

¹See IES files for details.

²When in emergency mode, luminaire only consumes 11 W.

For emergency lighting spacing, please see page 5.

ACCESSORIES (ORDER SEPARATELY)

PART NUMBER	TYPE
BKT347-A	SUSPENSION KIT - 2 CHAINS (1 METER)
KIT-STRIPS-AC10	10' AVIATION CABLE KIT WITH CANOPY, POWER CORD & DIMMING WIRES
BKT813-A	CONTINUOUS ROW MOUNTING CONNECTOR
LEN376-2-A	REPLACEMENT LENS 24"
LEN376-4-A	REPLACEMENT LENS 48"
LEN376-8-A	REPLACEMENT LENS 96"
WGD907-4FT-H	WIREGUARD KIT 48"
WGD076-8-H-A	WIREGUARD KIT 96"
OSI-EFS01RE	EXTERNAL MOUNT PIR MOTION SENSOR (120-277 V ONLY)
OSI-RM51	REMOTE CONTROL FOR PIR MOTION SENSOR

BRIDGE TECHNICAL SPECIFICATION TABLE

SIZE	LUMEN PACKAGE	WATTS [W]	BRIDGE WATTS [W]	BRIDGE LUMEN OUTPUT [LM]
24"	LA1	20	11	1 298
48"	LA3	35		1 216

COMPATIBLE DIMMERS¹

BRAND	MODEL
Leviton	ILLUMATECH IP710-LFZ
Lutron	DIVADVSTV
	Maestro MS-Z101
	Nova T NTSTV
Philips	Sunrise SR1200ZTUNV

Dimming range: 10%-100%

¹This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Some dimmers may require more than one product for stable operation. AimLite recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation.