

S20LV

TRI-LEVEL MOTION SENSOR LED STRIP

OPTIONAL EMERGENCY REMOTE



The S20LV series LED strip lights feature an integrated tri-level microwave motion sensor that regulates light levels according to the occupancy of a space. These luminaires have been specially designed to prevent energy loss and to increase energy savings, by allowing the end-user to sensibly manage the degree of luminosity in applications or spaces that require continuous lighting, such hallways and common areas.

FEATURES & SPECIFICATIONS

CONSTRUCTION

Physical Characteristics

- Sleek and compact design ideal for installation in tight spaces
- 24 gauge white powder painted steel
- Frosted PMMA lens

Mounting

- Surface, suspended or row mounted (see accessories)
- V-Hooks, canopy plate for octagonal junction box and mounting brackets are included

PERFORMANCE DATA

- Integrated tri-level microwave (high frequency) motion sensor
- Optional remote control for quick sensor programming and installation, including making future adjustments as required
- Available in both 4 000 K single color temperature 80+ CRI
- Electrical ratings: 120 - 347 V
- Estimated life of over 155 000 hours to L70
- 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 Tri-Level Motion Sensor LED Strip

- Consuming 11 W, 12 - 24 V DC
- 200 mA constant current
- Delivers 1 204 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 tri-level motion sensor 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

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)	4 000
WATTS (W)	65	CRI	80+
LUMEN OUTPUT (LM)	8 645	WEIGHT (LBS)	96": 9.04
EFFICACY (LM/W)	133		

WARRANTY
5 YEAR
WARRANTY

BRIDGE¹
EMERGENCY LIGHTING
LUMINAIRE
REMOTE NORMALLY ON

QUICKSHIP

LED

DAMP
LOCATION

UL
US

SP[®]

FCC

DLC
LISTED
PREMIUM

DLC
LISTED

ICES
005

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.

¹5 year warranty for the BRIDGE module.

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE



PART NUMBER	WATTS [W]	VOLTS [V AC]	COLOR TEMP. [K] ¹	LUMEN OUTPUT [LM] ²	EFFICACY [LM/W]	CRI	LIFE L70 [HRS] ³	TESTED HOURS LM-80 [HRS] ³	POWER FACTOR	THD [%]	CASE QTY [MASTER]
96"											
S20LV-96LA1-32/40K	65	120-347	4 000	8 645	133	80+	190 000	9 000	0.90	10	1

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

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

³ Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

DLC UNIQUE ID TABLE

PART NUMBER	DLC PREMIUM UNIQUE ID ¹	DLC STANDARD UNIQUE ID ²
S20LV-96LA1-32/40K	S-J31BQ7	PLD71V3CX8ZE

¹ Primary Use Designation: Stairwell And Passageway Luminaires

² Primary Use Designation: Direct Linear Ambient Luminaires

ORDERING GUIDE

SERIES	SIZE	LAMP TYPE	LUMEN PACKAGE [W] ¹	VOLTS [V]	COLOR TEMP. [K]	OPTIONS
S20LV	96 - 96"	L - LED	A1 - 65	32- 120-347	40K - 4 000	EL- BRIDGE NORMALLY ON EMERGENCY REMOTE ^{2,3}

¹ See IES files or Lumen Specification Table for details.

² In Emergency Mode, half of the 96" luminaire will remain illuminated.

³ When in emergency mode, luminaire only consumes 11 W.

For emergency lighting spacing, please see page 5.

BRIDGE TECHNICAL SPECIFICATION TABLE

SIZE	LUMEN PACKAGE	WATTS [W]	BRIDGE WATTS [W]	BRIDGE LUMEN OUTPUT [LM]
96"	LA1	65	11	1 204

ACCESSORIES (ORDER SEPARATELY)

PART NUMBER	TYPE
BKT347-A	SUSPENSION KIT - 2 CHAINS (1 METRE)
BKT813-A	CONTINUOUS ROW MOUNTING CONNECTOR
LEN376-8-A	REPLACEMENT LENS 96"
WGD076-8-H-A	WIREGUARD KIT 96"
OSI-RC-MH02	REMOTE CONTROL FOR MOTION SENSOR

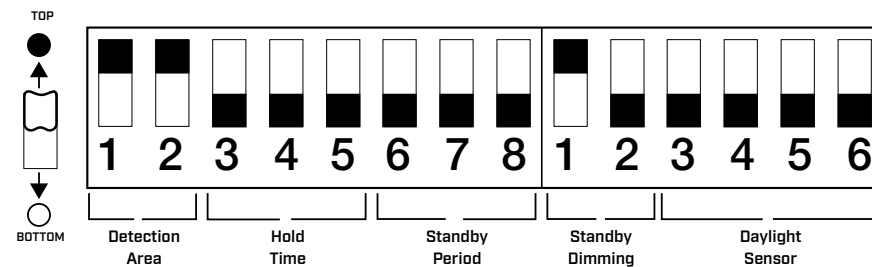
CONTINUOUS ROW MOUNTING FEATURE

The S20LV series luminaires can be continuously row mounted (daisy-chained) together with S20NS series luminaires. The integrated microwave motion sensor in the S20LV luminaires will also control the S20NS luminaires. Refer to the installation guide for proper wiring instructions.

Recommended luminaire pairings:

S20LV SERIES PART NUMBER	S20NS SERIES PART NUMBER	WATTS [W]	CONTINUOUS ROW MOUNTING MAXIMUM	
			120 V	347 V
S20LV-96LA1-32/40K	S20NS-96LA1-32/40K	65	6 LUMINAIRES (1 S20LV + 5 S20NS)	17 LUMINAIRES (1 S20LV + 16 S20NS)

PROGRAMMING SETTINGS



DEFAULT PROGRAMMING

Detection Area: 100%
Hold Time: 30 min
Standby Period: +∞
Standby Dimming: 20%
Daylight Sensor: Disable

DETECTION PATTERN

Detection Distance	12m x 8m [Max.]
Detection Angle - Wall Mounting	150°
Detection Angle - Ceiling Mounting	360°