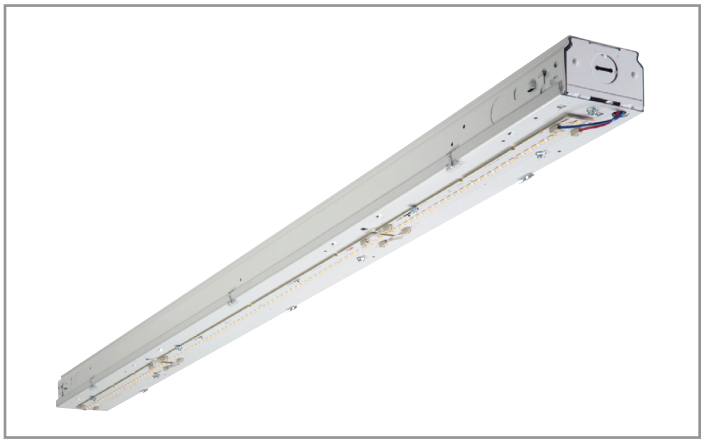
Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	



Metalux

SNLED Base

LED Striplight

Typical Applications

Commercial • Industrial • Retail • Residential • Storage / Utility • Coves • Display Cases • Shops • Task and General Area Lighting

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Connected Systems page 3
- Product Warranty

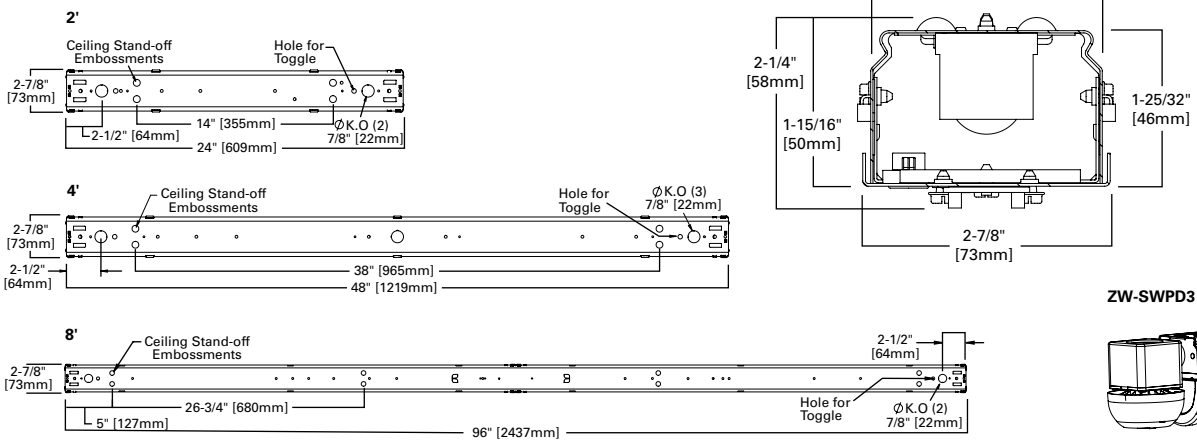
Product Certification

Product Features

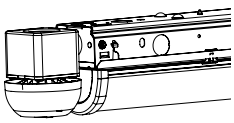
Top Product Features

- Standard (SL) and High lumen/High Efficacy (HL) packages
- High efficiencies - up to 153 LPW
- Three different lens types for optical control
- Two different reflectors for precise distribution control
- Available CCT: 3000K, 3500K, 4000K and 5000K
- Minimum CRI of 80; 90 CRI available
- Options to meet Buy American and other domestic preference requirements

Dimensional Details



ZW-SWPD3 Sidecar



Order Information

SAMPLE ORDER NUMBER: **4SNLED-LD5-48SL-UNV-L840-U**

Domestic Preferences [1]	Length	Series	Lamp Type	Lumen Package	Voltage	Options and Color Temp / CRI
[Blank]=Standard **BAA**=Buy American Act **TAA**=Trade Agreements Act	**2**=2' Length **4**=4' Length **8T**=8' Length	**SNLED**=Commercial LED Striplight [2]	**LD5**=LED 5.0	**Stocked Lumen Packages** **24SL** [3] **28SL** [3] **32SL** **48SL** **80SL** **88SL** **MTO Lumen Packages** **20SL** [3] **36SL** **37HL** **40SL** **44SL** **52SL** **56SL** **56HL** **60SL** **60HL** **64SL** **64HL** **68SL** **72SL** **85HL** **96SL** **104SL** **112SL** [5] **130HL** [5] **170HL** [4]	**UNV**=Universal Voltage 120-277 **347V**=347V **480V**=480V [6]	**Emergency** **EL7W**=7-watt, 120V-277V emergency battery pack installed [7], [9] **EL14W**=14-watt 120V-277V emergency battery pack installed [7], [9] **GTR2**=Bodine Generator Transfer Relay [10] **ETRD**=Iota Emergency Transfer Relay with dimming control [10] **WNPS**=WaveLinx with Normal Power Sensing Beacon [19], [20], [21], [22] **WEM**=WaveLinx Enabled UL924 [19], [21], [22] **Wiring** **PI/CPI**=Plug in and cross over plug in options [12] **PC6/515P**=(NEMA 5-15P) 6' Cord with NEMA Straight Plug [11], [12] **PC6/L715**=(NEMA L7-15P) 6' Cord with NEMA Twist Plug [11], [12] **Motion Sensors** [13] **LB-ERMS360**=360˚ Low Bay Motion Sensor - End of Row, 8' Mounting **LB-MRMS360**=360˚ Low Bay Motion Sensor - Middle of Row 8' Mounting **HB-ERMS360**=360˚ High Bay Motion Sensor - End of Row, 15'-40' Mounting [8] **HB-MRMS360**=360˚ High Bay Motion Sensor - Middle of Row, 15'-40' Mounting [8] **CCT / CRI (Orders must call out color temp / CRI)** **L830**=3000K, 80 CRI **L835**=3500K, 80 CRI **L840**=4000K, 80 CRI **L850**=5000K, 80 CRI **L930**=3000K, 90 CRI **L935**=3500K, 90 CRI **L940**=4000K, 90 CRI **L950**=5000K, 90 CRI **WLS**=WaveLinx LITE Integrated Sensor, Dim and Daylight, Bluetooth, 8'-15' MH [23], [B] **WPS**=WaveLinx PRO Integrated Sensor, Dim and Daylight, ZigBee, 8'-15' MH [23], [A] **WLS4**=WaveLinx LITE, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [14], [15], [B] **WPS4**=WaveLinx PRO, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [A]

Drive Type	Number of Drivers	Packaging
CD=0-10V Dimming Driver (10% - 100% Dimming) [23] **HCD**=0-10V Dimming Driver (1% - 100% Dimming) [23] **SD**=Step-dim (Bi Level) [16] **5LTD**=Fifth Light (DALI) Driver [16], [17]	**1**=1 Driver **2**=2 Drivers	**U**=Unit Pack

Accessories (order separately) [18]
(Order Separately) **AYC-Chain/Set=**36" Chain Hanger (Use 1 set per fixture) **SCF**=Fixed Stem Set (Specify Length) **SCS**=Swivel Stem Set (Specify Length) **SCA**=Adjustable 48" Stem Set **EYE-CHAIN/SET-B**=Eye Bolt Chain (Use 1 set per fixture) **WG-SNX/SN-2FT-B-PK**=2ft Wire Guard **WG-SNX/SN-4FT-B**=4ft Wire Guard **A1B/Spacer-U**=Spacer 1-1/2" to 2-1/2" from ceiling (Use 2 per fixture) **TOGGLE**=Single Toggle No. 2 (Specify Length) **Y-TOGGLE-__-2PK**=(2) Y-Toggle Cable Kits (Specify 10 or 30 for length in feet) **SNLED-LENS-LW-2FT-U**=Replacement Lens 2 ft, Full Frost **SNLED-LENS-LN-2FT-U**=Replacement Lens 2 ft, Semi Frost **SNLED-LENS-LC-2FT-U**=Replacement Lens 2 ft, Clear **SNLED-LENS-LW-4FT-U**=Replacement Lens 4 ft, Full Frost **SNLED-LENS-LN-4FT-U**=Replacement Lens 4 ft, Semi Frost **SNLED-LENS-LC-4FT-U**=Replacement Lens 4 ft, Clear **GRP-SNF-U**=Gripper Hanger **CLC-SNLED-EXT-B**=SNLED Long Row Aligner Extension

Notes: (1) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyze under domestic preference requirements. (2) DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details. (3) Available in 2 ft. and 4 ft. (4) Requires two drivers. (5) DALI and Step-dim versions require two drivers. (6) 4 ft. and 8 ft. only. (7) 4 ft. and 8 ft. only. (8) Motion Sensor offers dimmability. (9) With integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. (10) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). GTR2 option includes 2 relays on fixtures with dimming drivers. ETRD option only requires one relay when used on a dimming fixture. Must specify voltage as 120V or 277V when ordering these devices. (11) Most common C&P shown. Must specify location for cord. All "end" locations will be on the end with sensor installed. (12) Consult tech support on numerous options for this feature. (13) Sensors provided in separate externally mounted enclosure. See SRL spec sheet for fully integrated/connected sensors. (14) WLSx provided in separate enclosure. (15) Not available in Mid-Row Configuration. (16) 4 ft. and 8 ft. only. (17) For a complete listing of Fifth Light products, visit www.cooperlighting.com (18) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. (19) Only available as part of a WaveLinx control system; must order with WLS or WPS sensor. Compatible with UNV CD/HCD drivers only. (20) WNPS is compatible with ESP-L or ESP-P emergency control devices. (21) Cannot be combined with other emergency, control or relay options. (22) For UL924 compliance, WEM and WNPS luminaires must be installed in the same application space. (23) WPS and WLS used with CD or HCD drivers only.

Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (B) Consult WaveLinx Lite system pages for additional details and compatibility.

Product Specifications

Construction
- Die-formed of cold rolled steel with numerous knockouts for easy installation
- Groove for Tong Hanger
- Convertible end plate for continuous row alignment
- Channel/wireway cover secured with sheet metal screws
- Surface, pendant or stem mounting

Controls
- Standard with 0-10V dimming driver (10% standard, 1% optional)
- Combine with energy-saving products like occupancy sensors, daylighting controls and lighting relay panels to maximize energy savings
- For motion control, reference options for both end and middle of the row applications
- DALI 2.0 and step-dimming available
- Integrated WaveLinx sensor options provide wireless individual fixture control and enable code compliance, increased energy savings, grouping of fixtures, and connection to WaveLinx control systems

WaveLinx LITE devices are not currently compatible with the WaveLinx PRO Wireless Area Controller

Electrical
- Long-life LED system with electrical driver for optimal performance
- LED's available in 3000K, 3500K, 4000K or 5000K with CRI of 80 standard or optional 90 CRI
- TM21 rating up to L87 >60,000 hours
- Electronic drivers available for 120-277V, 347V and 480 applications
- Operating temperature of -20°C up to 50°C (reference Ambient temperature chart)

Emergency Battery Pack Option
- Optional 120V-277V integral emergency battery pack available in 7W or 14W
- 90-minute backup period for code compliance
- Generator transfer options available

WNPS - WaveLinx Normal Power Sensing
- Normal Power Sensing (NPS) wireless beacon enabled luminaire that signals normal power is present
- Must be ordered with WaveLinx LITE or PRO sensor as part of a WaveLinx control system
- For UL924 compliance, WNPS enabled luminaires with standard product and compatible emergency control devices (ESP-P/ESP-L) must be installed in same application space

WEM - WaveLinx UL924 Emergency Sensor
- Emergency control devices (ESP-P/ESP-L) not required when WEM and WNPS luminaires are installed in the same application space
- For UL924 compliance, order WEM and WNPS luminaires in the same application space
- WEM must be ordered with WLS or WPS sensor as part of a WaveLinx control system

Compliance
- cULus Listed for damp locations
- Complies with IESNA LM-79 and LM-80 standards
- NEMA 410 compliant (drivers)
- State of California Title 24 high efficacy luminaire
- DesignLights Consortium® Qualified and classified for DLC Standard and DLC Premium (refer to www.designlights.org)
- Suitable for closet use when installed to NEC 410.16 spacings standards

Warranty
- Five year limited warranty

Control Solutions
- WaveLinx LITE wireless
- WaveLinx PRO wireless
- WaveLinx CAT wired
- WaveLinx DALI wired

WaveLinx Digital Lighting Control Solutions

CCT Table

Approximate Color Temperature	Multiplier
2700K	.93
3000K	.98
3500K	1.0
4000K	1.02
5000K	1.02

CRI

Lumen multiplier (80CRI to 90CRI)			
3000K	3500K	4000K	5000K
0.805	0.840	0.846	0.901

Photometric Data

View IES files

Ambient Temperature

Length	Lumen Package	Standard	EM
2FT	20SL - 28SL	50°C	40°C
	37HL	40°C	40°C
4FT	20SL - 56SL	50°C	40°C
	60SL - 85HL	40°C	40°C
8FT	64SL - 112SL	50°C	40°C
	130HL - 170HL	40°C	40°C

Shipping Data

Length	Wt.
2 ft.	3.8 lbs.
4 ft.	7.2 lbs.
8 ft.	13.1 lbs.

Energy and Performance Data

SNELD Type	Lumen Type	Length	Catalog Number	Nominal 3500K Lumens	Wattage	lm/W
Base	Standard	2 ft.	2SNLED-LD5-20SL-UNV-L8XX-CD1-U	2005	14	140.5
Base	Standard	2 ft.	2SNLED-LD5-24SL-UNV-L8XX-CD1-U	2476	18	136.8
Base	Standard	2 ft.	2SNLED-LD5-28SL-UNV-L8XX-CD1-U	2810	21	132.1
Base	High	2 ft.	2SNLED-LD5-37HL-UNV-L8XX-CD1-U	3799	27	143.0
Base	Standard	4 ft.	4SNLED-LD5-20SL-UNV-L8XX-CD1-U	1934	13	148.4
Base	Standard	4 ft.	4SNLED-LD5-24SL-UNV-L8XX-CD1-U	2398	16	149.8
Base	Standard	4 ft.	4SNLED-LD5-28SL-UNV-L8XX-CD1-U	2761	18	149.7
Base	Standard	4 ft.	4SNLED-LD5-32SL-UNV-L8XX-CD1-U	3148	21	148.7
Base	Standard	4 ft.	4SNLED-LD5-36SL-UNV-L8XX-CD1-U	3649	25	146.6
Base	Standard	4 ft.	4SNLED-LD5-40SL-UNV-L8XX-CD1-U	4014	28	144.9
Base	Standard	4 ft.	4SNLED-LD5-44SL-UNV-L8XX-CD1-U	4367	31	142.9
Base	Standard	4 ft.	4SNLED-LD5-48SL-UNV-L8XX-CD1-U	4827	35	139.9
Base	Standard	4 ft.	4SNLED-LD5-52SL-UNV-L8XX-CD1-U	5167	38	137.4
Base	Standard	4 ft.	4SNLED-LD5-56SL-UNV-L8XX-CD1-U	5604	41	136.4
Base	Standard	4 ft.	4SNLED-LD5-60SL-UNV-L8XX-CD1-U	6015	46	130.4
Base	Standard	4 ft.	4SNLED-LD5-64SL-UNV-L8XX-CD1-U	6504	52	125.9
Base	Standard	4 ft.	4SNLED-LD5-68SL-UNV-L8XX-CD1-U	6781	55	123
Base	High	4 ft.	4SNLED-LD5-56HL-UNV-L8XX-CD1-U	5634	37	152
Base	High	4 ft.	4SNLED-LD5-60HL-UNV-L8XX-CD1-U	5894	39	150.9
Base	High	4 ft.	4SNLED-LD5-64HL-UNV-L8XX-CD1-U	6421	43	148.9
Base	High	4 ft.	4SNLED-LD5-85HL-UNV-L8XX-CD1-U	8471	62	136.3
Base	Standard	8 ft.	8TSNLED-LD5-64SL-UNV-L8XX-CD1-U	6296	42	147.8
Base	Standard	8 ft.	8TSNLED-LD5-72SL-UNV-L8XX-CD1-U	7298	50	146.6
Base	Standard	8 ft.	8TSNLED-LD5-80SL-UNV-L8XX-CD1-U	8028	55	144.9
Base	Standard	8 ft.	8TSNLED-LD5-88SL-UNV-L8XX-CD1-U	8734	61	142.9
Base	Standard	8 ft.	8TSNLED-LD5-96SL-UNV-L8XX-CD1-U	9654	69	139.9
Base	Standard	8 ft.	8TSNLED-LD5-104SL-UNV-L8XX-CD1-U	10334	75	137.4
Base	Standard	8 ft.	8TSNLED-LD5-112SL-UNV-L8XX-CD1-U	11208	82	136.4
Base	High	8 ft.	8TSNLED-LD5-130HL-UNV-L8XX-CD1-U	12842	86	148.9
Base	High	8 ft.	8TSNLED-LD5-170HL-UNV-L8XX-CD2-U	16942	124	136.3

*Stocked in either 3500K or 4000K. Check Flash for stock availability.

Emergency Lighting

All buildings have to comply with emergency lighting codes to maintain their certificate of occupancy.
To enable this, Cooper Lighting Solutions has created multiple offerings to suit the building type and luminaire type.

Options to Enable Emergency (Stand Alone)

	Standard	Self-Diagnostic	FirstLink Connected ETO for Factory-Installed Only
Metalux Recessed, HALO, APG, Outdoor Medium forward voltage LED arrays usually 20-60V DC	**Batteries**: EBPLEDL7W, EBPLEDL14W **Inverters**: INVM-10W-AD	**Batteries**: EBPLED10WSD, EBPLED7.5WSD **Inverters**: INVM-25W-ADSD, INVM-50W-ADSD	**Batteries**: EBPLEDL10SF, EBPLEDL6SF
Metalux Industrial High forward voltage LED arrays usually 90-200V DC	**Batteries**: EBPLEDC1HV **Inverters**: INVM-10W-AD, INVM-100W-AD	**Inverters**: INVM-25W-ADSD, INVM-50W-ADSD	
How is emergency lighting inspection done?	Turn breakers off Walk around the building and collect compliance data.	No need to turn breakers off. Walk around, look up and collect compliance data.	No need to turn breaker off, No walking around. Open the app, push a button, and collect compliance data.

NOTE: 1. For factory installed First-Link EBP, order xSF option. Example: ETO_22CZ2-34HE-UNV-EBP10SF-L835-CD1-U (see Luminaire Order Info)
2. For factory installed standard EBP. Example: 22CZ2-34HE-UNV-EL7W-L835-CD1--U

Connected Emergency Lighting

ETO via Factory-Installed Only

Use our Connected Emergency Lighting products (FirstLink) to reduce the cost of compliance.

FirstLink is a complete and fully code compliant connected emergency egress lighting system comprised of FirstLink enabled exit signs, unit equipment, emergency LED drivers and the FirstLink application. The monthly and annual tests can be scheduled to be performed on a cadence. And the FirstLink app easy, instant access to compliance information and your system status. Reports can be easily exported to prove the system compliance status is 100%.

Compliance

- Avoid costly non-compliance fines
- Helps reduce risks and insurance premiums

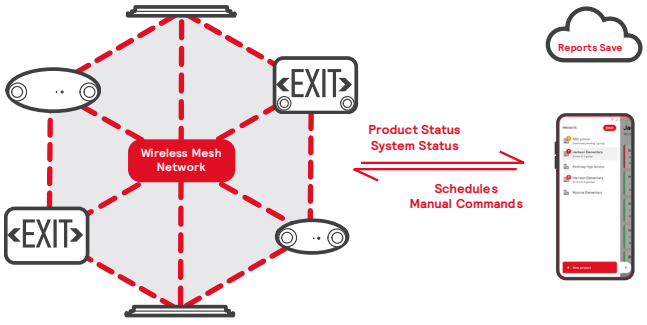
Convenience

- No ladders
- No documentation
- No searching for reports during an inspection.

Control

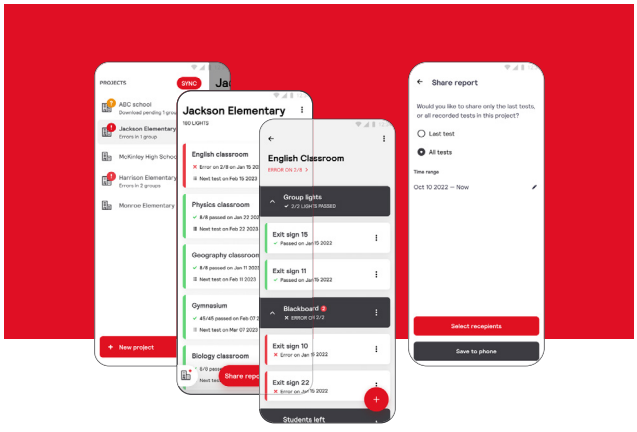
- Scheduling: Adjust the frequency and timing of testing.
- Troubleshooting: Receive complete product status information.
- Customization: Create custom groups and zones.

How does FirstLink work?



FirstLink is a standalone wireless mesh network that connects all devices and ensures a reliable connection through the network, even during the loss of individual devices.

If the app can communicate with just one device, the status of all devices can be read. Once the status is downloaded, the data is uploaded and saved to the cloud.



The FirstLink App

Complete control is in your hands

The FirstLink app is your portal to the FirstLink system. This easy-to-navigate iOS and Android application gives you the ability to configure your system, view and export results, change testing schedules, and more.

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Specifications and dimensions subject to change without notice.