Project	Catalog #	Туре	
Prepared by	Notes	Date	



# **Metalux**

## **SWLED**

Surface and Wall LED

**Typical Applications** Commercial • Industrial

## **Product Certification**

























## **Top Product Features**

Product Warranty

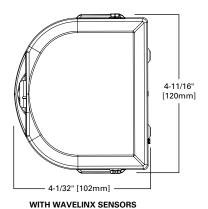
Interactive Menu

• Order Information page 2

• Photometric Data page 3 • Control Solutions page 5

- · Lumen packages up to 2000 lumens per foot for high mounting locations
- Excellent performance with Im/W, ranging up to 150 Im/W with LC lens
- · 4ft. and 2ft. product configurations for mounting versatility
- · Multiple sensor options for connected or control at multiple heights
- · Standard 10% 0-10V driver with optional DALI, 1% and step dimming options
- · Options to meet Buy American and other domestic preference requirements

## **Dimensional and Mounting Details**







Metalux **SWLED** 

## **Order Information**

SAMPLE ORDER NUMBER: SWLED-40SL-LW-UNV-L840-CD1-WLS-U

Domestic Preferences	Length	Series	Lumen Output	Optic	Voltage	Emergency Options
Domestic Preferences (1)	Length	Series (2)	Lumen Output	Optic	Voltage	Emergency Options (8), (10)
[Blank]=Standard BAA=Buy American Act TAA=Trade Agreements Act	2=2 ft. Length 4=4 ft. Length	SWLED=LED Surface and Wall	LED Lumens (3)	LC=Clear Lens LN=Semi-Frost Lens- Narrow LW= Full Frost Lens- Wide	UNV=Universal Voltage 120-2777 347V=347 Volt (®) UNC=347V/480V (7)	EL7W=7-watt, 120V-277V Emergency Battery Pack Installed (9) EL14W=14-watt 120V-277V Emergency Battery Pack Installed (9) ETRD= 120-277V Emergency Transfer Relay with Dimming Control (11)
Notes		Notes	Notes		Notes	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 1997 (TAA), respectively. Please refer to <u>DOMESTIC PREFERENCES</u> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.		(2) DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www. designlights.org for details.	m® Qualified fied for both lard and DLC refer to www.		(6) 347V option – 60HL and above uses two drivers. (7) 347V listing in DLC is for standard 347V ONLY driver. No DLC listing for UNC.	(8) Integral options only available in 4ft model. (9) With integral test switch/indicator. For approximate delivered lumens multiply the lumens set watt of the desired future by the wattage of the emergency battery pack (100 Imr/W x 7=700 Iumens). IES-format photometry for luminaire under emergency operation available. (10) Integral EL battery pack is rated for 35°C. (11) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). ETRD option requires one relay when used on a dimming fixture.

CCT	Driver Type	Number of Drivers	Integrated Control	Packaging

ССТ	Driver Type	Number of Drivers	Integrated Control	Packaging
<b>L830</b> =3000K <b>L835</b> =3500K <b>L840</b> =4000K <b>L850</b> =5000K	CD=0-10V Driver (10% - 100% Dimming) HCD=0-10V Driver (1% - 100% Dimming) SD=Step-Dim Driver 5LTD=DALI (1% - 100% Dimming)	1=1 Driver 2=2 Drivers (12)	WLS (formerly WAB)=WaveLinx LITE Wireless Sensor, Occupancy w/ photocell, Independent & Networked (13), (14), (8) WPS (formerly WAA)=WaveLinx PRO Wireless Sensor, Occupancy w/ photocell, Networked (13), (14), (A)	<b>U</b> =Unit Pack
		Notes (12) 347V option – 60HL and above uses two drivers.	Notes  (13) WaveLinx sensors suitable for wall mount applications. (14) WAA and WAB sensors to be used with CD or HCD driver.  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 PRO system pages for additional details and compatibility. (B) Consult WaveLinx LITE system pages for additional details and compatibility.	

### Accessories

SCF=Fixed Stem Set (Specify Length)
SCS=Swivel Stem Set (Specify Length)
SCA=Adjustable 48" Stem Set
A1B/Spacer-U=Spacer 1-1/2" to 2-1/2" from ceiling (Use 2 Per Fixture)

### Notes

 $\begin{tabular}{ll} (15) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. \end{tabular}$ 

Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories.

COOPER Lighting Solutions a (Signify business Metalux SWLED

## **Product Specifications**

### Construction

- · Die formed cold rolled steel housing
- · Decorative white opaque injection molded end plates
- Reflector/channel wireway cover secured by fasteners for easy access
- · Numerous channel KO's for easy installation

### **Controls**

- · 0-10V dimming drivers to 10% standard, 1% optional
- · WaveLinx integrated sensor options provide code compliance, increased energy savings, grouping of fixtures, and connection to WaveLinx control systems
- · DALI 2.0, Lutron, and step-dimming available

- · Long-life LED system with electrical driver for optimal performance
- · Minimum 80 CRI
- TM21 rating up to L91> 60,000hours

### **Emergency Battery Pack Option**

- · Optional 120V-277V integral battery pack in 7w or 14w options
- · 90 minute backup period
- · Test swtich/indicator button with laser pointer testing feature for ground testing
- · EZ Key system prevents accidental discharge during construction
- · Emergency/generator transfer relay with dimming control capability available

- · High reflective post painted finish (PAF)
- · Treated in multistage iron phosphate pretreatment

- · Three lens options available: LC (clear), LN (semifrost with narrow distribution), and LW (full frost with wide distribution)
- Lens is held in place by removable injection molded white end caps

### Installation

- · Surface mount
- · Suspended mount

### Compliance

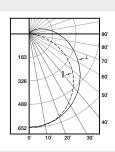
- · cULus listed for up to 40C ambient environments
- · Damp location listed for ceiling and wall mounting
- · Comply with IESNA LM-79 and LM-80 testing standards
- · Suitable for use in clothes closets
- · Recommended for use in stairwells when installed to NEC 410.16 spacing requirements
- · Can be used for State of California Title 24 high
- · efficacy luminare
- · DesignLights Consortium Qualified and classified for both DLC Standard and DLC Premium

### **Product Warranty**

· 5-year limited warranty

## **Photometric Data**





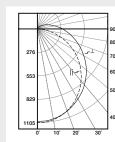
### 2SWLED-24HL-LW-UNV-L840-CD1-U

**Electronic Driver** Linear LED 4000K

Spacing criterion:(II) 1.25 x mounting height, ( $\perp$ ) 1.32 x mounting height

Lumens: 2475 Input Watts: 24W Efficacy: 103.1 lm/W

Test Report: 2SWLED-24HL-LW-UNV-L840-CD1-U-IES



### 4SWLED-40SL-LW-UNV-L840-CD1-U

**Electronic Driver** 

Linear LED 4000K Spacing criterion: (II) 1.25 x mounting height,

( $\perp$ ) 1.29 x mounting height

Lumens: 4015 Input Watts: 37.9W Efficacy: 105.9 lm/W

Test Report:4SWLED-40SL-LW-UNV-L840-CD1-U-IES

**Metalux** SWLED

## **Energy and Performance Data**

Lens Type	Lumen Type	Length	Catalog Number	Nominal Lumens	Wattage	lm/W with LW Lens	Approx. lm/W with LC/LN Lens
Full Frost (LW)	Standard	2 ft.	2SWLED-8SL-LW-UNV-L840-CD1-U	914	9.0	102	120
Full Frost (LW)	Standard	2 ft.	2SWLED-16SL-LW-UNV-L840-CD1-U	1597	15.9	100	118
Full Frost (LW)	Standard	2 ft.	2SWLED-20SL-LW-UNV-L840-CD1-U	1987	20.6	96	115
Full Frost (LW)	High	2 ft.	2SWLED-24HL-LW-UNV-L840-CD1-U	2475	24	103	133
Full Frost (LW)	High	2 ft.	2SWLED-28HL-LW-UNV-L840-CD1-U	2813	27.9	101	130
Full Frost (LW)	Standard	4 ft.	4SWLED-16SL-LW-UNV-L840-CD1-U	1626	14.3	114	148
Full Frost (LW)	Standard	4 ft.	4SWLED-20SL-LW-UNV-L840-CD1-U	1983	17.6	113	146
Full Frost (LW)	Standard	4 ft.	4SWLED-28SL-LW-UNV-L840-CD1-U	2841	24.8	115	148
Full Frost (LW)	Standard	4 ft.	4SWLED-32SL-LW-UNV-L840-CD1-U	3217	28.6	112	145
Full Frost (LW)	Standard	4 ft.	4SWLED-36SL-LW-UNV-L840-CD1-U	3573	32.8	109	141
Full Frost (LW)	Standard	4 ft.	4SWLED-40SL-LW-UNV-L840-CD1-U	4015	37.9	106	137
Full Frost (LW)	Standard	4 ft.	4SWLED-44HL-LW-UNV-L840-CD1-U	4436	39.7	106	145
Full Frost (LW)	High	4 ft.	4SWLED-48HL-LW-UNV-L840-CD1-U	4899	44.6	110	143
Full Frost (LW)	High	4 ft.	4SWLED-52HL-LW-UNV-L840-CD1-U	5175	47.7	108	140
Full Frost (LW)	High	4 ft.	4SWLED-56HL-LW-UNV-L840-CD1-U	5623	52.9	106	137
Full Frost (LW)	High	4 ft.	4SWLED-60HL-LW-UNV-L840-CD1-U	5977	53.7	111	144
Full Frost (LW)	High	4 ft.	4SWLED-64HL-LW-UNV-L840-CD1-U	6369	58.2	109	141
Full Frost (LW)	High	4 ft.	4SWLED-67HL-LW-UNV-L840-CD1-U	6708	61.9	108	140
Full Frost (LW)	High	4 ft.	4SWLED-72HL-LW-UNV-L840-CD1-U	7201	67.7	106	137
Full Frost (LW)	High	4 ft.	4SWLED-78HL-LW-UNV-L840-CD1-U	7832	75.4	104	135
Full Frost (LW)	High	4 ft.	4SWLED-80HL-LW-UNV-L840-CD1-U	8060	78.4	103	133

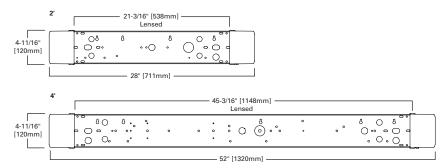
### **CCT Table**

Approximate Color Temperature Multiplier					
5000K	1.03				
4000K	1.00				
3500K	0.98				

### **Shipping Data**

Catalog No.	Wt.
2SWLED	6 lbs.
4SWLED	12 lbs.

## **Dimensional and Mounting Details**





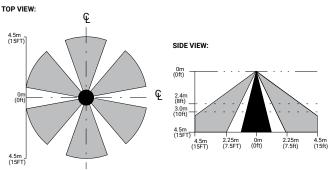
### **Control Solutions**

- · WaveLinx LITE wireless
- · WaveLinx PRO wireless
- WaveLinx CAT wired
- WaveLinx Wired



## **Integrated Sensor Coverage Pattern**

WaveLinx PRO/LITE Sensor - WLS and WPS



Note: Installation of integrated sensors within 3-ft (1m) of HVAC air vents is not recommended. The pattern shown is intended solely as a general guide and is not to scale.

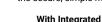
The SWLED with WaveLinx offers no-hassle lighting control with multiple luminaire level control



WaveLinx PRO is a wireless lighting control solution, for connected spaces, that significantly reduces a building's energy consumption. From a single floor to an entire campus, WaveLinx PRO connects more than lighting assets; it shares aggregated sensor data with the WaveLinx CORE platform and other building systems, so building owners can improve operations, spaces environment, and tenants' experience. WaveLinx PRO offers a rich portfolio of wireless devices, WaveLinx PRO-enabled luminaires, and an intuitive WaveLinx mobile app for office, education, warehouse, and parking garage applications.



WaveLinx LITE is a cost effective, wireless digital lighting control solution, with out-of-the-box functionality, that saves energy and meets code. It's designed for applications that require occupancy-based, daylighting, or manual light control. Customize installations for office, education, warehouse and parking garages using the secure, simple mobile app.



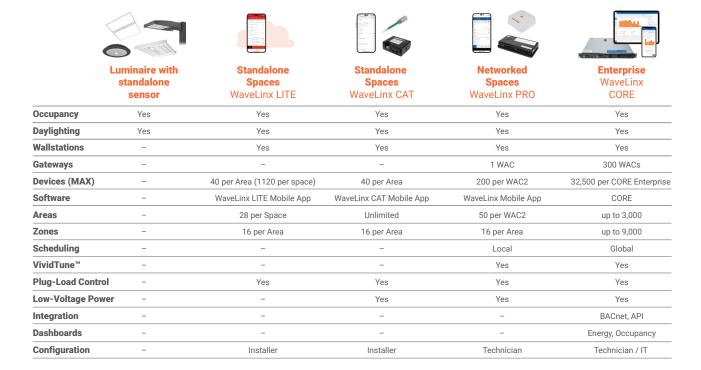


Integrated Controls Options								
Option	Out of the Box Functionality	Automatic Dimming Photocell	Occupancy Sensing	CCT Control				
WLS	х	x	Х	Х				
WPS		Х	Х	Х	Х			

Note: WaveLinx utilizes scenes to allow users to change an area's fixtures Correlated Color Temperature (CCT) and intensity using commissioned manual wireless wallstation scene control. To enable CCT adjustments through WaveLinx, include WPS device in addition to VividTune or BioUp technologies for integrated fixture control.

## Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.



P: 770-486-4800

www.cooperlighting.com

subject to change without notice.