

Project		Catalog #		Type	
Prepared by		Notes		Date	



Metalux

SkyBar LED

LED Low Bay Luminaire
2-7/8" x 48"
2-7/8" x 96"

Typical Applications
Commercial • Industrial

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Product Certification



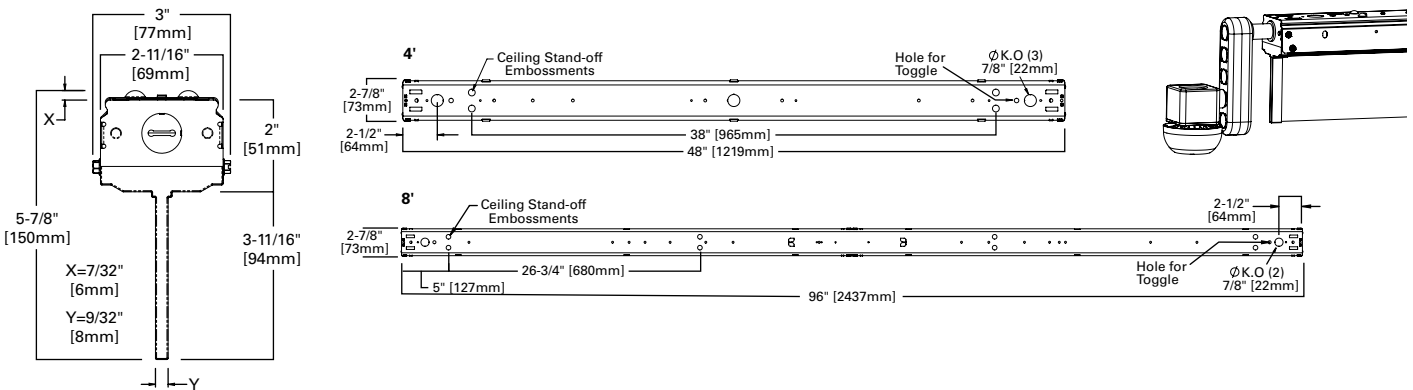
Product Features



Top Product Features

- Single blade configuration - narrow and wide distributions
- Lumen packages up to 16K lumens
- High-Performance efficacy up to 148 LPW
- LEDs available in 3500K, 4000K and 5000K at typical 80 CRI
- Standard uplight
- Impact protection rating IK07 Lens and IK10 Housing
- Options to meet Buy American and other domestic preference requirements

Dimensional and Mounting Details



Order Information

SAMPLE ORDER NUMBER: **SKB1-LD5-14-W-UNV-L850-CD2-U**

Domestic Preferences	Length	Series	Mounting Arrangement	Lamp Type	LED Lumen Output	Distribution	Voltage
Domestic Preferences ⁽¹⁾	Length	Series	Mounting Arrangement	Lamp Type	LED Lumen Output	Distribution	Voltage ⁽²⁾
[Blank]=Standard BAA=Buy American Act TAA=Trade Agreements Act	4=4' Length 8=8' Length	SKB1=WaveStream	[Blank]=Stand Alone R=Continuous Row Mount	LD5=LED 5.0	4 ft. 3=3,000 Lumens 4=4,000 Lumens 5=5,000 Lumens 6=6,000 Lumens 7=7,000 Lumens 8=8,000 Lumens 8 ft. 6=6,000 Lumens 8=8,000 Lumens 10=10,000 Lumens 12=12,000 Lumens 14=14,000 Lumens 16=16,000 Lumens	N=Narrow W=Wide	120V=120 Volt 277V=277 Volt 347V=347 Volt 480V=480 Volt UNC=Universal Voltage 347-480 ⁽³⁾ UNV=Universal Voltage 120-277
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 for more information. Components shipped separately may be separately analyzed under domestic preference requirements.							Notes (2) Voltage must be specified when ordered with plugs, GTR2 or emergency ballasts. (3) Not available with UNC and EL options together.

Emergency	CCT	Driver Type	Number of Drivers
Emergency	CCT	Driver Type	Number of Drivers
EL7W=7-watt, 120V-277V emergency battery pack installed ^{(4), (5), (6)} EL14W=14-watt 120V-277V emergency battery pack installed ^{(4), (5), (6)} GTR2=Bodine Generator Transfer Relay ⁽⁷⁾ ETRD=Iota Emergency Transfer Relay with dimming control ⁽⁷⁾	L835=3500K L840=4000K L850=5000K	CD=0-10V Dimming Driver SLTD=DALI Driver	1=1 Driver 2=2 Drivers (12,000, 14,000 and 16,000 lumens) SLTD 1=1 Driver 2=2 Drivers (16,000, 12,000 and 14,000 lumen)
Notes (4) Not available with UNC. (5) 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. (6) EL option illuminates one 4 ft. section in 12,000, 14,000 and 16,000 lumen packages. (7) 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 GTR option.			

Wiring / Integrated Sensors	Options	Packaging	Accessories
Wiring / Integrated Sensors	Options	Packaging	Accessories (order separately) ⁽¹¹⁾
PLNG=Plug In System (1, 2, or 3 Circuit Capability), No Ground (ground provided by fixture body) PLWG=Plug In System (1, 2, or 3 Circuit Capability), With Ground (separate ground wire in harness) CPLNG=Crossover Plug In System (2 or 3 Circuit Capability) No Ground (ground provided by fixture body) CPLWG=Crossover Plug In System (2 or 3 Circuit Capability) With Ground (separate ground wire in harness) Motion Sensors WLS4=WaveLinX LITE, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting ⁽⁸⁾ WPS4=WaveLinX PRO, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ⁽⁸⁾ LB-ERMS360=360° Low Bay Motion Sensor - End of Row LB-MRMS360=360° Low Bay Motion Sensor - Middle of Row HB-ERMS360=360° High Bay Motion Sensor - End of Row HB-MRMS360=360° High Bay Motion Sensor - Middle of Row LWR=Enlighted Wireless Sensor system ⁽⁹⁾	RS=Reflector Shield	U=Unit Pack	AVC=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/3FT=Eye Bolt Chain (Use 1 set per fixture) 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) SKBLEDCRA=Continuous Row Aligner ⁽¹⁰⁾
Notes (8) Not available with 347V, 480V, or UNC. Not available with SLTD option. End row mounting only. (9) When ordering LWR option, specify as UNV (for 120 or 277V), or 347V, or 480V.			Notes (10) Included when ordering the "R" mounting arrangement. (11) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

PI Option Ordering Information

Catalog Number Suffix	Number of Circuits	Circuit Wired To Ballast	Catalog Numbering System
PI 1 BLK	1	Black	The PI System is available in sections up to 8' in length for continuous row wiring by simply plugging the sections together. Each PI section is factory wired to the ballast leads. Color coding of wires is as follows: PI-1 = One Circuit - 2 Wires: one black, one white PI-2 = Two Circuits - 3 Wires: one black, one blue, one white PI-3 = Three Circuits - 4 wires: one black, one blue, one red, one white
PI 2 BLU	2	Blue	
PI 2 BLK	2	Black	
PI 3 RED	3	Red	When ordering the PI2/PI3 System it is necessary to specify the number of fixtures required for each circuit. Each circuit in fixture must be ordered as a separate line item, with a different hot wire color specified. All wiring to external feeds, using cord or cord & plug, are responsibility of installing licensed contractor. Cord and cord & plug sets must be ordered separately if PI option is chosen.
PI 3 BLU	3	Blue	
PI 3 BLK	3	Black	

PI1 - Single Circuit Plug-In

SAMPLE ORDER NUMBER: **PI1BLK-WG**

Catalog Number Suffix	Ground Wires
PI1 =Single Circuit	NG =No Ground (ground provided by fixture body) WG =With Ground (separate ground wire in harness)
BLK =Black Hot	

Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Solutions Representative for availability and ordering information.

PI2 - Two Circuit Plug-In

SAMPLE ORDER NUMBER: **PI2BLK-WG**

Catalog Number Suffix	Ground Wires
PI2 =Two Circuit	Leave Blank =Single Neutral 2NEU =Two Neutrals
BLK =Black Hot BLU =Blue Hot	
Leave Blank =Single Neutral /WHT =White Neutral /GRY =Gray Neutral	NG =No Ground (ground provided by fixture body) WG =With Ground (separate ground wire in harness)

PI3 - Three Circuit Plug-In

SAMPLE ORDER NUMBER: **PI3BLK-WG**

Catalog Number Suffix	Ground Wires
PI3 =Three Circuit	Leave Blank =Single Neutral 2NEU =Two Neutrals
BLK =Black Hot BLU =Blue Hot RED =Red Hot	
Leave Blank =Single Neutral /WHT =White Neutral /GRY =Gray Neutral	NG =No Ground (ground provided by fixture body) WG =With Ground (separate ground wire in harness)

Product Specifications

Construction

- Channel is die formed cold rolled steel with KO's for ease of installation
- Groove for Tong Hanger
- End plate quickly converts to snap-in channel connector for continuous row alignment
- Impact protection rating IK07 Lens and IK10 Housing

Electrical

- Long-Life LED system coupled with electrical driver to deliver optimal performance
- LED's available in 3500K, 4000K or 5000K with a CRI <85
- Electronic drivers are available for 120-277V, 347V and 480V applications

Emergency Battery Pack Option

- Optional 120-277V emergency battery available in 7W or 14W
- 90-minute backup period for code compliance
- Test switch with laser pointer and testing from floor feature for ease of use

- EZ Key feature prevents accidental discharge during construction
- Generator transfer options available

Compliances

- Luminaires are cULus listed for damp Locations 1. 7°C-40°C (35°F-105°F) ambient environments. (EL option up to 35°C ambient)
- ROHS Compliant, and LED modules comply with IESNA LM79/LM80 standards

Control

- Equipped standard with a 0-10V continuous dimming driver that works with any standard 0-10V control/dimmer
- Dimming range is 10% to 100%; varies by control device
- Combine with energy saving products like occupancy sensors, daylighting controls, and lighting relay panels from Cooper Controls (www.coopercontrol.com) to maximize energy savings

Optics

- Precision formed optical assembly with positively retained high optical grade acrylic lenses provide a directed optical distribution using WaveStream technology.

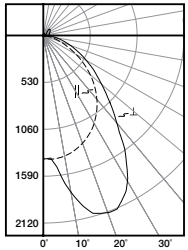
Mounting

- Suspended using two V-hangers (included)
- Optional Y-hook, Y-Toggle or Surface/stem mount bracket available
- Continuous row mount available
- Mounting hardware must be ordered separately

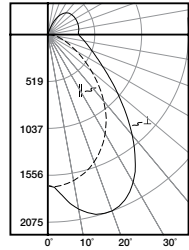
Warranty

- Five year limited warranty

Photometric Data

[View IES files](#)
**4SKB1-LD5-5-N-UNV-L835-CD1-U**

Electronic Driver
 Linear LED 3500K
 Spacing criterion: (II) 1.19 x mounting height,
 (I) 1.53 x mounting height
 Lumens: 5038
 Input Watts: 38W
 Efficacy: 132.6 lm/W
 Test Report: 4SKB1-LD5-5-N-UNV-L835-CD1-U.IES

**4SKB1-LD5-7-W-UNV-L840-CD1-U**

Electronic Driver
 Linear LED 4000K
 Spacing criterion: (II) 1.14 x mounting height,
 (I) 1.48 x mounting height
 Lumens: 6953
 Input Watts: 52.7W
 Efficacy: 131.9 lm/W
 Test Report: 4SKB1-LD5-7-W-UNV-L840-CD1-U.IES

Energy and Performance Data

Energy and Performance Data by Catalog Number

Catalog Number	Delivered Lumens	Watts	Efficacy (lm/W)
4 ft. Length			
4SKB1-LD5-3-W-UNV-L840-CD1-U	3021	21.4	140.9
4SKB1-LD5-4-W-UNV-L840-CD1-U	4022	29.0	138.7
4SKB1-LD5-5-W-UNV-L840-CD1-U	5061	38.0	133.2
4SKB1-LD5-6-W-UNV-L840-CD1-U	6053	47.2	128.4
4SKB1-LD5-7-W-UNV-L840-CD1-U	6953	52.7	131.9
4SKB1-LD5-8-W-UNV-L840-CD1-U	8087	65.2	124.0
8 ft. Length			
8SKB1-LD5-6-W-UNV-L840-CD1-U	6042	42.0	143.7
8SKB1-LD5-8-W-UNV-L840-CD1-U	8044	59.5	135.3
8SKB1-LD5-10-W-UNV-L840-CD1-U	10122	77.4	130.7
8SKB1-LD5-12-W-UNV-L840-CD2-U	12106	94.3	128.4
8SKB1-LD5-14-W-UNV-L840-CD2-U	13906	105.4	131.9
8SKB1-LD5-16-W-UNV-L840-CD2-U	16174	130.5	124.0

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	> 91%	> 268,000

IK Rating

SkyBar	IK Rating
Lens	IK07
Housing	IK10

Energy Data

Catalog No.	Input Watts
4SKB1-LD5-3	21
4SKB1-LD5-4	29
4SKB1-LD5-5	38
4SKB1-LD5-6	47
4SKB1-LD5-7	53
4SKB1-LD5-8	65
8SKB1-LD5-6	42
8SKB1-LD5-8	59
8SKB1-LD5-10	77
8SKB1-LD5-12	94
8SKB1-LD5-14	105
8SKB1-LD5-16	130

Shipping Data

Catalog No.	Wt.
4SKB1-LD5-3	8 lbs.
4SKB1-LD5-4	8 lbs.
4SKB1-LD5-5	8 lbs.
4SKB1-LD5-6	8 lbs.
4SKB1-LD5-7	8 lbs.
4SKB1-LD5-8	8 lbs.
8SKB1-LD5-6	15 lbs.
8SKB1-LD5-8	15 lbs.
8SKB1-LD5-10	15 lbs.
8SKB1-LD5-12	15 lbs.
8SKB1-LD5-14	15 lbs.
8SKB1-LD5-16	15 lbs.

Control Solutions

- WaveLinX LITE wireless
- WaveLinX PRO wireless
- WaveLinX CAT wired
- WaveLinX Wired



The SKB1 with WaveLinX offers no-hassle lighting control with multiple luminaire level control solutions.



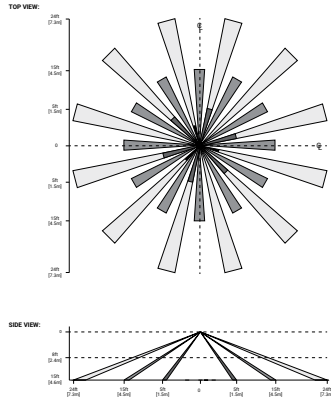
WaveLinX PRO is a wireless lighting control solution, for connected spaces, that significantly reduces a building's energy consumption. From a single floor to an entire campus, WaveLinX PRO connects more than lighting assets; it shares aggregated sensor data with the WaveLinX CORE platform and other 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.



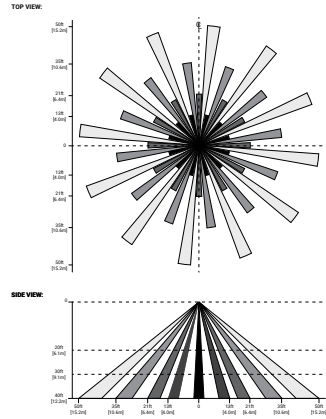
WaveLinX LITE is a cost effective, wireless digital lighting control solution, with out-of-the-box functionality, that saves energy and meets code. It's designed for applications that require occupancy-based, daylighting, or manual light control. Customize installations for office, education, warehouse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

Integrated Sensor Coverage Pattern

WaveLinX PRO/LITE Sensor – WLS2 and WPS2



WaveLinX PRO/LITE Sensor – WLS4 and WPS4



Integrated Controls Options

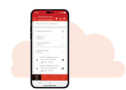
Option	Out of the Box Functionality	Luminaire Level Lighting Control (LLLC)	Automatic Dimming Photocell	Occupancy Sensing	CCT Control
WLS	X	X	X	X	
WPS		X	X	X	

Systems comparison chart

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



Luminaire with standalone sensor



Standalone Spaces WaveLinX LITE



Standalone Spaces WaveLinX CAT



Networked Spaces WaveLinX PRO



Enterprise WaveLinX CORE

	Luminaire with standalone sensor	Standalone Spaces WaveLinX LITE	Standalone Spaces WaveLinX CAT	Networked Spaces WaveLinX PRO	Enterprise WaveLinX CORE
Occupancy	Yes	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes	Yes
Wallstations	–	Yes	Yes	Yes	Yes
Gateways	–	–	–	1 WAC	300 WACs
Devices (MAX)	–	40 per Area (1120 per space)	40 per Area	200 per WAC2	32,500 per CORE Enterprise
Software	–	WaveLinX LITE Mobile App	WaveLinX CAT Mobile App	WaveLinX Mobile App	CORE
Areas	–	28 per Space	Unlimited	50 per WAC2	up to 3,000
Zones	–	16 per Area	16 per Area	16 per Area	up to 9,000
Scheduling	–	–	–	Local	Global
VividTune™	–	–	–	Yes	Yes
Plug-Load Control	–	Yes	Yes	Yes	Yes
Low-Voltage Power	–	–	Yes	Yes	Yes
Integration	–	–	–	–	BACnet, API
Dashboards	–	–	–	–	Energy, Occupancy
Configuration	–	Installer	Installer	Technician	Technician / IT