

Project		Catalog #		Type	
Prepared by		Notes		Date	



Metalux

CBRK-S Center Basket Retrofit Kit

CBRK Lumen Selectable Kit
1x4 / 2x2 / 2x4

Typical Applications

Offices • Education • Healthcare • Retail

Product Certification



Product Features



Interactive Menu

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- Product Warranty

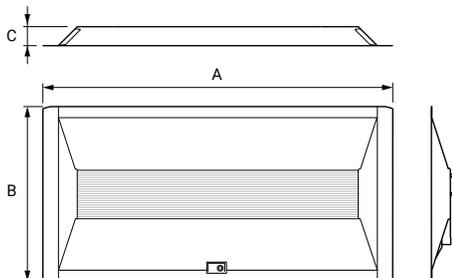
Top Product Features

- Selectable lumens (low/medium/high) provides application flexibility and stock simplicity
- Center basket aesthetic for an upscale look and sustainable solution to replace old fluorescent fixtures
- Simple, Tool-less kit reduces installation cost associated with traditional LED retrofit kits
- Superior LED life time maintenance costs compared with fluorescent lamps replacements.
- WaveLinx LITE and Wavelinx PRO integrated sensor options help meet local energy code requirements by controlling lights based on space occupancy and daylight levels.

Dimensional and Mounting Details

Dimensions 2x4

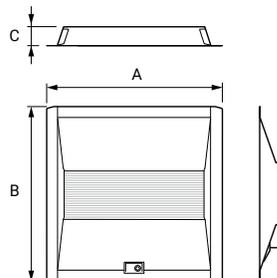
A Length	B Width	C Height
47.83"	23.9"	2.95"



WaveLinx Sensor shown, 2x2, 2x4, 1x4 details

Dimensions 2x2

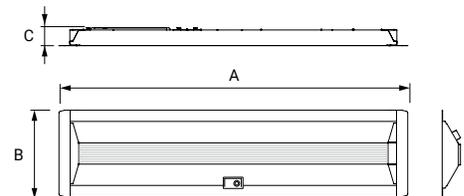
A Length	B Width	C Height
23.9"	23.9"	2.95"



*CBRK is designed to retrofit most existing 1x4, 2x2, 2x4 recessed parabolic and lensed troffers. Cooper Lighting Solutions recommends ensuring proper fit with a CBRK sample install, prior to ordering project quantities.

Dimensions 1x4

A Length	B Width	C Height
47.8"	11.8"	2.44"





CBRK Ordering Information/Performance

CBRK now offered with WaveLinx LITE (WLS) and WaveLinx PRO (WPS) integrated sensors. See page 4 for detailed information.



Size	Catalog Number	Lumen Setting	Color Temp. (K)	CRI (Min)	Delivered Nominal Lumens	Watts	Efficacy (lm/W)
2X2	22CBRK-SL3-UNV-L835-CD1-U	Low	3500K	80	2611	18	149
		Medium	3500K		3513	25	143
		High	3500K		4401	32	136
	22CBRK-SL3-UNV-L840-CD1-U	Low	4000K		2614	18	149
		Medium	4000K		3535	25	144
		High	4000K		4419	32	136
2X4	24CBRK-SL3-UNV-L835-CD1-U	Low	3500K	80	4287	28.7	149
		Medium	3500K		5793	41	141
		High	3500K		7267	54.7	133
	24CBRK-SL3-UNV-L840-CD1-U	Low	4000K		4292	28.7	150
		Medium	4000K		5830	41	142
		High	4000K		7297	54.7	133
1X4	14CBRK-SL3-UNV-L835-CD1-U	Low	3500K	80	2818	19.8	142
		Medium	3500K		3808	27.5	138
		High	3500K		4801	36	133
	14CBRK-SL3-UNV-L840-CD1-U	Low	4000K		2821	19.8	142
		Medium	4000K		3832	27.5	139
		High	4000K		4821	36	134

Accessories

Accessories ⁽¹⁾
0590CZRKEQCABLE PK =Earthquake Cable Kit
Notes
<small>(1) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.</small>

Catalog Number	Description
CBRK-EQCBL	Earthquake cable 12.5" (317mm)
CBRK-EBPLED14W-UNV ⁽²⁾	CBRK field installed emergency battery backup, 14W, with necessary brackets
CBRK-ETRD ⁽²⁾	CBRK field installed Iota emergency transfer relay with dimming control

Note: (2) Designed for use with 22CBRK/24CBRK only.

Air Return Data

The air return versions of CBRK are suitable for retrofitting listed air return troffers.

2x2 Air Return Data

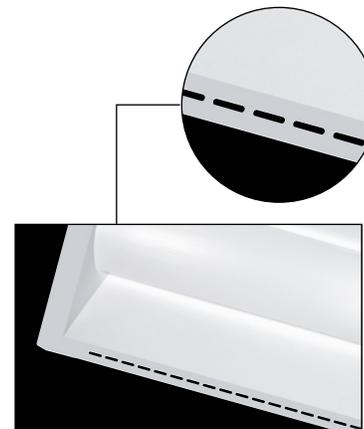
Return Air Volume, SCFM	61	69	80	97	112	131
Negative Static Pressure, in. H ₂ O	0.11	0.15	0.20	0.30	0.40	0.55
Noise Criteria (NC)	17	21	25	31	34	38

Note: 24 total air slots, each 30mm x 6mm

2x4 Air Return Data

Return Air Volume, SCFM	105	119	128	162	259	272
Negative Static Pressure, in. H ₂ O	0.05	0.08	0.10	0.20	0.45	0.55
Noise Criteria (NC)*	<15	32	32	36	38	40

Note: 50 total air slots, each 30mm x 6mm



Product Specifications

Construction / Finish

- Simple design allows for quick installation in existing luminaire without the need to break the ceiling plenum
- Galvanized steel inhibits corrosion and provides a more durable product
- Integrated securement tabs for securement to existing troffer housing
- Minimum depth of 3" necessary to allow proper clearance and installation of the CBRK
- White powder coated after fabrication with durable finish to ensure no unfinished edges and inhibit corrosion
- Components fit together without the need for tools during installation
- LED boards and drivers are field replaceable

Features

- A highly efficient LED retrofit kit designed to replace recessed linear fluorescent troffers
- Extremely high efficacies up to 150 lumens per watt
- Excellent color rendering with a CRI above 80 improves occupants' visual experience within the space
- Available with WaveLinX Lite and WaveLinX Pro integrated sensors to easily meet energy code (IEC, ASHRAE 90.1, Title 24) and eliminate the need to install and wire standalone sensors.
- Designed for use with NEMA Type "G" Inverted T-Grid ceiling systems

Electrical

- Drivers with 0-10V dimming allow for maximum fixture efficiency and provide 10% dimming
- Five-year limited warranty includes all components of the retrofit kit, including driver, LED board and nonelectrical components. Extended warranty to 10 years available

LED and Light Engine

- Selectable lumen output choices of low, medium, high
- TM21 life at 60,000 hours up to L90 and calculated L70 exceeds 135,000
- Driver 120-277V Standard
- Default Lumen setting is mid or medium power

Control Options

- WaveLinX LITE - Meet your energy local code without having to install any additional devices other than wireless keypads (refer to the WaveLinX Overview section for more information)
- WaveLinX PRO - Go above and beyond energy code compliance by offering value added applications that take advantage of your connected luminaires (remote lighting system management, scheduling, demand Response, energy report, occupancy report and asset location).

Certifications

- cULus listed for 25°C ambient environments, indoor applications
- DesignLights Consortium® Qualified and classified for DLC Standard and Premium (refer to www.designlights.org for details)

Lens

- Easily removed from below without tools
- Precision optics for optimal distribution, high efficacy and pleasing aesthetics
- Frosted acrylic lens with interior linear ribs, for easy wipe-down and visual comfort
- Replacement lenses available, contact factory

Accessories

- 2x4/2x2 CBRK suitable for use with field installed emergency backup as shown in table on page 2
- Earthquake cables available for additional securement to the existing troffer

Control Solutions

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



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



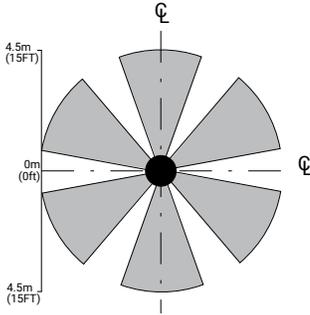
WaveLinX PRO is a wireless lighting control solution, for connected spaces, that significantly reduces a building's energy consumption. From a single floor to an entire campus, WaveLinX PRO connects more than lighting assets; it shares aggregated sensor data with the WaveLinX CORE platform and other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



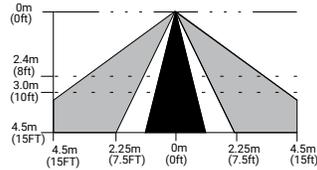
WaveLinX LITE is a cost effective, wireless digital lighting control solution, with out-of-the-box functionality, that saves energy and meets code. It's designed for applications that require occupancy-based, daylighting, or manual light control. Customize installations for office, education, warehouse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

Integrated Sensor Coverage Pattern

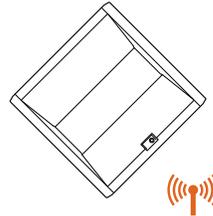
TOP VIEW:



SIDE VIEW:



With Integrated WaveLinX Sensor



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.

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	
WLN		X			
WPS		X	X	X	
WPN		X			X
WPA		X	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

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