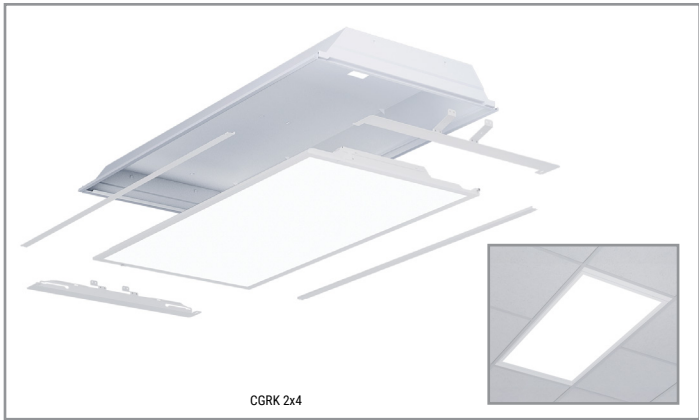


Project		Catalog #		Type	
Prepared by		Notes		Date	



### Interactive Menu

- Order Information page 2
- Product Specifications page 4
- Product Warranty

### Top Product Features

- Three color temperature and three lumen package choices up to 145 LPW for use in a variety of applications
- Selectable switches are located on top of the driver box with access below the ceiling
- Micro-optics provide uniform illumination across the entire lens
- Extruded aluminum frame tightly seals to the housing for optimal performance and aesthetics
- Two box solution that expedites installation and reduces cost
- Ships in multi-packs of 4 to minimize packaging waste
- Optional field installable selectable switch locks enable watts per sq. foot compliance

# Metalux

## CGRK Selectable Lumens and CCT

### 1x4, 2x2, 2x4 Backlit Panel Retrofit Kit

#### Typical Applications

Offices • Education • Healthcare • Retail

### Product Certification



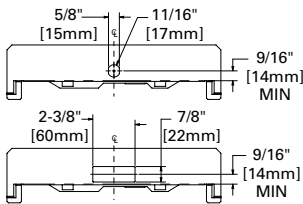
### Product Features



## CGRK Dimensions

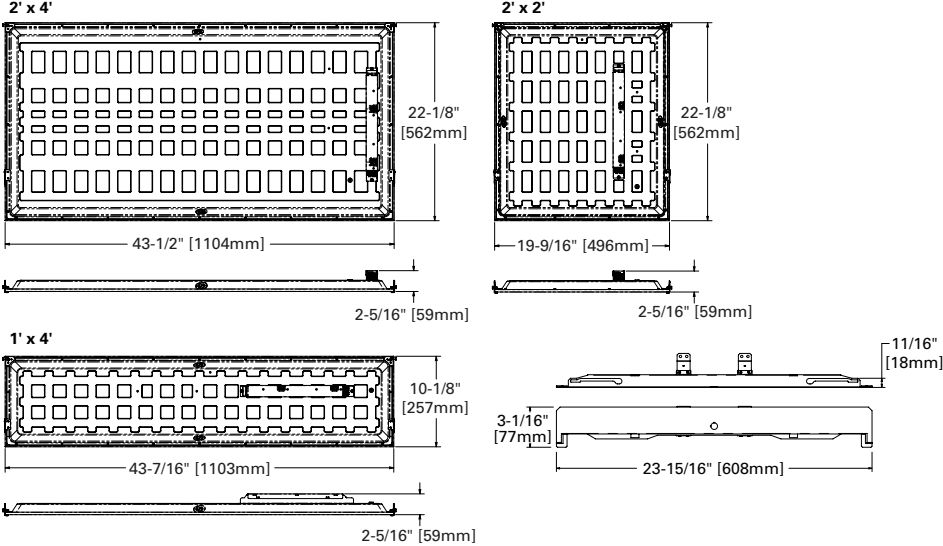
additional product diagrams

Box 1: End Plates



**Note:** Two KO's for WLS Sensor and Emergency Battery Pack Test Button

Box 2: Panel & Side Rails



Form Factor	Units Per Bulk Pack	Box 1: End Plates	Box 2: Panel	Box 2: Side Rails
2x4	4	8	4	8
2x2	4	8	4	8
1x4	4	8	4	8



## CGRK Ordering Information/Performance

Default CCT/Lumen Setting: 4000K/Medium

Size	Catalog	Pack / Integrated Controls	Lumen Setting	CCT	CRI (Min)	Delivered Nominal Lumens	Watts	Efficacy (lm/W)	Glare Performance	
									UGR <sup>(1)</sup>	Max Luminance <sup>(1)</sup>
1x4	14CGRK-L3C3-UNV-MP4	Standard=Multi-Pack (4) / None	Low	3500K	80	2055	15	140	22.6	4694
				4000K	80	2050	14	141	22.6	4743
				5000K	80	2094	15	143	22.6	4746
	14CGRK-L3C3-UNV-WLS-MP4	WLS =Multi-Pack (4) / WaveLinx LITE	Medium	3500K	80	3112	22	142	20.2	2380
				4000K	80	3132	22	145	20.2	2375
				5000K	80	3155	22	145	20.3	2425
			High	3500K	80	4052	29	141	21.7	3605
				4000K	80	4094	28	144	21.7	3628
				5000K	80	4097	29	143	21.7	3655
2x2	22CGRK-L3C3-UNV-MP4	Standard=Multi-Pack (4) / None	Low	3500K	80	2062	15	140	22.0	4212
				4000K	80	2052	15	141	22.0	4255
				5000K	80	2089	15	142	22.0	4273
	22CGRK-L3C3-UNV-WLS-MP4	WLS =Multi-Pack (4) / WaveLinx LITE	Medium	3500K	80	3097	22	141	19.7	2157
				4000K	80	3106	22	144	19.6	2146
				5000K	80	3136	22	144	19.7	2185
			High	3500K	80	4028	29	140	21.1	3239
				4000K	80	4068	28	143	21.1	3248
				5000K	80	4085	29	142	21.1	3279
2x4	24CGRK-L3C3-UNV-MP4	Standard=Multi-Pack (4) / None	Low	3500K	80	2827	20	143	20.6	2563
				4000K	80	2820	20	145	20.6	2594
				5000K	80	2859	20	145	20.6	2596
	24CGRK-L3C3-UNV-WLS-MP4	WLS =Multi-Pack (4) / WaveLinx LITE	Medium	3500K	80	3855	27	143	18.6	1465
				4000K	80	3866	27	145	18.6	1461
				5000K	80	3884	27	145	18.7	1482
			High	3500K	80	4946	35	140	19.7	1998
				4000K	80	5007	35	144	19.7	2003
				5000K	80	5009	35	142	19.7	2013

## Notes:

(1) UGR values per CIE 190:2010 with 4H, 8H, Reflectance: 70% Ceiling, 50% Wall, 20% Ref. Plane.

Luminance measured at 45-90 degrees from nadir.

UGR and Luminance values that meet WELL v2 L04 requirements for Managing Glare are shown with green highlighted cell (UGR < 16, Luminance < 6,000).

UGR and Luminance values that meet LEED v4.1 requirements for Glare Control are shown with green text (UGR < 19, Luminance < 7,000).

## Key

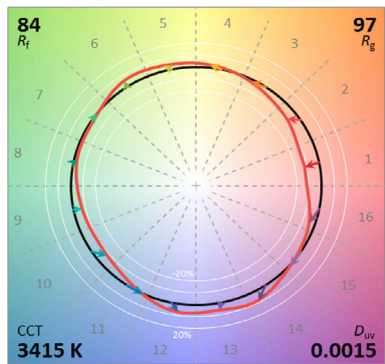
	Meets WELL v2
TEXT	Meets LEED v4.1

## CGRK Accessories (ordered separately)

Catalog	Description	Notes
SCTCOV-25PK	25PK Universal Switch Cover	Field installed
EBPLEDL7W	7W EM Pack	Field installed, Remote Indicator/ Test Switch
EBPLEDL14W	14W EM Pack	Field installed, Remote Indicator/ Test Switch

TM-30 DATA FOR 80 CRI, SELECTABLE CCT  
(3500K SETTING)

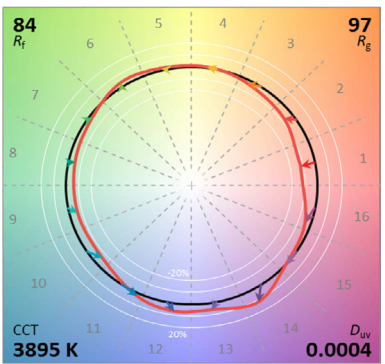
ANSI/IES TM-30-18 Color Rendition Report



Reference Illuminant      Test Source

TM-30 DATA FOR 80 CRI, SELECTABLE CCT  
(4000K SETTING)

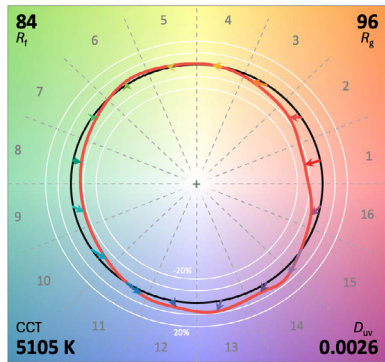
ANSI/IES TM-30-18 Color Rendition Report



Reference Illuminant      Test Source

TM-30 DATA FOR 80 CRI, SELECTABLE CCT  
(5000K SETTING)

ANSI/IES TM-30-18 Color Rendition Report



Reference Illuminant      Test Source

TM-30 data is extrapolated from LM-79 integrating sphere tests.  
Contact factory for specific TM-30 data.

DCRI	CCT	CRI	R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>
90	3500K	84	84	97	11
	4000K	84	84	97	16
	5000K	84	84	96	13

## CGRK Product Specifications

### Construction

- Die-formed steel back plate is post-painted to ensure durability
- IP5x rating for ingress protection
- Designed for installation into conventional 1x4, 2x4, and 2x2 troffer housings
- Mounting rails and luminaires shipped in two boxes to expedite installation and reduce project cost
- Shipped in multi-packs of 4 to minimize packaging waste saving project time

### Electrical

- Aluminum frame weld and ground, for a seamless appearance
- CGRK projected lumen maintenance based on TM21 testing standards is >L89@60,000 hours
- LEDs are 80 CRI (minimum) and switch to 3500K, 4000K, or 5000K.
- Emergency battery pack options available in 14W and 7W
- Knock outs provided in mounting rails for emergency battery backup test indicator light
- Default CCT/Lumen Setting: 4000K/Medium

### Controls

- Fixture comes with field selectable lumens and CCT dipperswitches. Standard UNV 120-277 driver with 0-10V dimming with dim-to-off
- Optional integrated DLC/NLC 5.0 listed sensor and field installable emergency battery back up
- Optional field installable dipswitch locks enable watts per sqft. compliance and prevent end users from making modifications in the future

### Optical Shielding

- Micro-optics enable uniform distribution of LEDs for uniform lens illumination
- Smooth, frosted lens delivers uniform illumination and surface texture to minimize scratch and impact damage

### Certifications

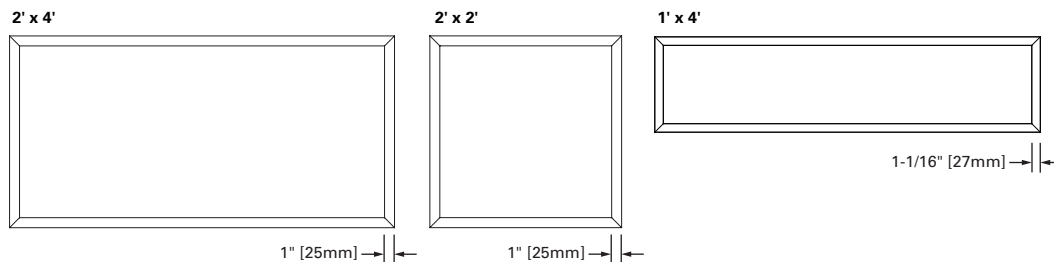
- cULus listed for 25C ambient environments, indoor applications
- UL damp location listed
- IESNA LM-79 and LM-80 standards compliant

- DesignLights Consortium® Qualified and classified for DLC Standard and DLC Premium, refer to [www.designlights.org](http://www.designlights.org) for details
- Qualifies as State of California Title 24 high efficiency luminaire (non-residential)
- FCC part 15 class A compliant
- Meets IP5X rating from the room side with no modification needed

### Warranty

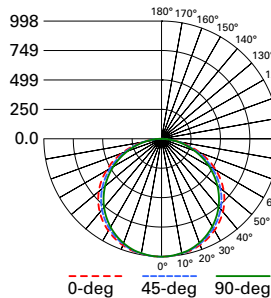
- Five year standard warranty
- Optional 10-year warranty, contact factory for more details

## CGRK Frame Dimensions



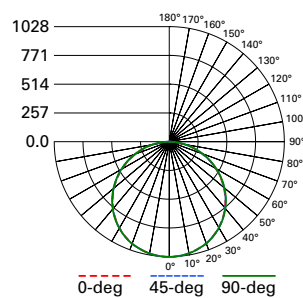
## Photometric Data

 View IES files



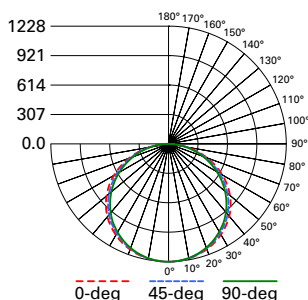
### 14CGRK-L3C3-UNV-MP4-MID-4000K

Electronic Driver  
LED 4000K  
Spacing criterion: (H) 1.34 x mounting height, (L) 1.28 x mounting height  
Lumens: 3132  
Input Watts: 21.6W  
Efficacy: 145 LPW  
Test Report: 14CGRK-L3C3-UNV-MP4-MID-4000K.IES



### 22CGRK-L3C3-UNV-MP4-MID-4000K

Electronic Driver  
LED 4000K  
Spacing criterion: (H) 1.28 x mounting height, (L) 1.28 x mounting height  
Lumens: 3106  
Input Watts: 21.6W  
Efficacy: 143.8 LPW  
Test Report: 22CGRK-L3C3-UNV-MP4-MID-4000K.IES



### 24CGRK-L3C3-UNV-MP4-MID-4000K

Electronic Driver  
LED 4000K  
Spacing criterion: (H) 1.33 x mounting height, (L) 1.28 x mounting height  
Lumens: 3866  
Input Watts: 26.6W  
Efficacy: 145.3 LPW  
Test Report: 24CGRK-L3C3-UNV-MP4-MID-4000K.IES

Control Solutions

- WaveLinx LITE wireless



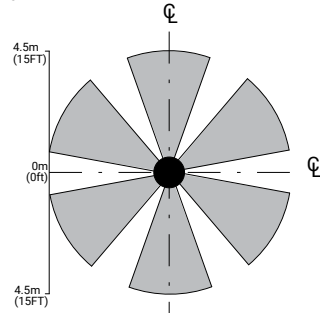
The CGRK with WaveLinx offers no-hassle lighting control with multiple luminaire level control solutions.



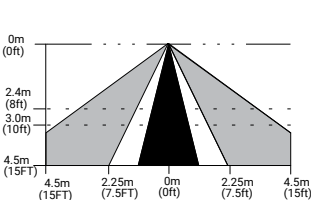
**WaveLinx LITE** is a cost effective, wireless digital lighting control solution, with out-of-the-box functionality, that saves energy and meets code. It's designed for applications that require occupancy-based, daylighting, or manual light control. Customize installations for office, education, warehouse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

Integrated Sensor Coverage Pattern

TOP VIEW:

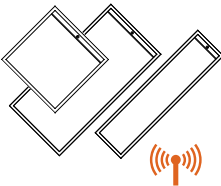


SIDE VIEW:



**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.

With Integrated WaveLinx Sensor



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	

Systems performance chart

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



Standalone Spaces  
WaveLinx LITE

Occupancy	Yes
Daylighting	Yes
Wallstations	Yes
Gateways	-
Devices (MAX)	40 per Area (1120 per space)
Software	WaveLinx LITE Mobile App
Areas	28 per Space
Zones	16 per Area
Scheduling	-
VividTune™	-
Plug-Load Contr	Yes
Low-Voltage Poi	-
Integration	-
Dashboards	-
Configuration	Installer