Connected Buildings

Product Selection Guide



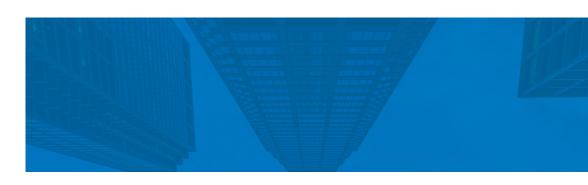


Metalux

Celebrating 50+ years, Metalux offers an extensive line of LED lighting products including recessed, linear and industrial fixtures.

Metalux's complete family of luminaires are dedicated to the latest solid state lighting and driver technology for optimal performance and energy efficiency.

Metalux delivers innovation, quality, product availability, and responsiveness all with an affordable value proposition.



The product selection guides are simple yet powerful tools to help assist with product comparisons and selection based on features, performance and value.

- 2-3 Commercial LED Recessed - Panels and Troffers
- Commercial LED Linear Ambient Strips and Wraps 4-5
 - **Industrial LED** High Bay
 - **Industrial LED Vaportite**











Good _

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		Backlit CGT	Backlit CGTS ²	Edgelit FP	Edgelit FPS	Backlit MMS	Backlit CGTX	Edgelit FPX	Backlit CGSB	Surround SFS
≥	Education	***	***	***	***	***	***	***	***	***
APPLICABILITY ¹	Office	**	**	**	***	***	***	***	**	***
PLICA	Healthcare	*	**	*	*	**	**	**	***	**
API	Retail	**	**	***	***	***	***	***	**	***
	Sizes	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x1, 1x2, 6"x4, 1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x2, 1x4, 1x8, 2x2, 2x4
	Im/W (Max)	115	159	136	120	145	137	130	140	149
	Lum (Max)	5,300	6,900	7,000	6,500	6,200	10,000	6,400	9,300	8,500
	Life (@60K)	L84	L86	L86	L87	L82	L88	L87	L86	L88
INCE	Lens	Frost, Smooth	Frost, Smooth	Frost, Smooth	Frost, Smooth	Frost, Smooth	Frost - Smooth, Prismatic	Frost, Smooth	Frost, Smooth	Frost, Smooth
ORM/	Service from Below	No	No	No	No	Yes in Surface Mount	No	No	Yes	No
FEATURES / PERFORMANCE	Emergency	Remote	Remote	Remote	Remote	Integrated in Recessed Mount	Integrated	Integrated	Integrated	Remote
RES	CRI	80+	80+	80+/ 90+	80+	90+	80+/90+	80+	80+ / 90+	80+
ATU	Sensor Location	Tile Mount	Tile Mount	Tile Mount	Tile Mount	Tile Mount	Integrated	Integrated	Integrated	Tile Mount
E	DLC	Standard	Standard	Standard	Standard	Standard/Premium	Premium	Premium	Standard	Standard/Premium
	Door	No - see CGSB	No - see CGSB	No - see CGSB	No - see CGSB	No - see CGSB	No - see CGSB	No - see CGSB	Yes	No - see CGSB
	Air Venting	No	No	No	No	No	No	No	No	Standard
	Lumen / CCT Select	No	Yes 💮	No	Yes 💮	Yes 🌑	No	No	No	Yes 💮
	VividTune™	No	No	No	No	No	No	No	No	No
ROLS	WaveLinx LITE						~	•	~	✓
INTEGRATED	WaveLinx PRO						~	~	✓	✓

Notes: 1. * * * = high applicability, * * = medium applicability, * = low applicability, blank = non-applicable. 2. CGTS-NUV also available (Canadian market only).

		Better										est ===
	on products learn more											*
		Center Basket CBRK	Flat Lens GR	Center Basket Achieva ARS	Center Basket Cruze CZS	Cruze ST	Cruze SB	RLN	Ovation	Accord	SkyRidge	Encounter
Ξ	Education	***	***	***	***	***	***	**	**	*	*	**
	Office	**	**	**	***	***	**	***	***	***	***	***
APPLICABILITY¹	Healthcare	*	**	**	**	**	***	**	*	**	**	***
AP	Retail	*	**	**	***	***	**	**	***	**	**	**
	Sizes	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x2, 1x4, 2x2, 2x4	1x2, 1x4, 2x2, 2x4, Metric
	Im/W (Max)	168	140	146	156	157	157	139	109	127	150	141
	Lumens (Max)	4,700	18,000	8,000	6,500	17,000	7,500	8,000	5,000	7,300	6,400	7,400
	Life (@60K)	L85	L89	L90	L90	L90	L84	L93	L89	L89	L92	L92
ANCE	Lens	Frost, Ribbed	Frost, Prismatic	Round or Square Ribbed	Round or Square, Frost - Ribbed or Smooth, Perf Inlays	Round or Square, Frost - Ribbed or Smooth, Perf Inlays	Round, Frost - Ribbed or Smooth	Frosted Acrylic	Metal Perforated	Frosted Acrylic	Acrylic (WaveStream)	Acrylic (WaveStream)
FEATURES / PERFORMANCE	Service from Below	Yes	Yes	No	No	No	Yes	Yes	No	Yes	No	No
Ë	Emergency	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
ES ,	CRI	80+	80+	80+/90	80+	80+/90	80+/90	80+ / 90	80+	80+	80+	80+/90
AT I	Sensor Location	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Tile Mount	Integrated	Integrated	Integrated
<u> </u>	DLC	Premium	Standard / Premium	Standard / Premium	Standard / Premium	Standard / Premium	Premium	Premium	Standard	Premium	Premium	Premium
	Door	No	Yes	No - see Cruze SB	No - see Cruze SB	No - see Cruze SB	Yes	No	No	No	No	No
	Air Venting	Yes	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Lumen / CCT Select	Yes 🌑	Yes 🌑	Yes 🌑	Yes 🌑	No	Yes 🌑	No	No	No	Yes 🌑	No
	VividTune™	No	Tunable White	No	No	Tunable White	Tunable White	Tunable White	No	No	No	Tunable White
INTEGRATED	WaveLinx LITE	•	✓	~	~	·	~	✓			✓	✓
INTEG	WaveLinx PRO	✓	~	~	~	~	~	~	✓	~	~	~

		_ G ood		Better Better B						
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		SLES ²	ST	ST2 DIM	SLSTP	SSRK Retrofit	SNX	SRL	MicroBay	
	Education	**	*	**	***	*	***	***	***	
Ē	Office	*	*	**	***	*	***	***	***	
APPLICABILITY1	Healthcare				*	*	**	**	**	
7110	Retail	***	*	**	**	***	***	***	***	
APF	Industrial	**	**	**	**	***	***	***	***	
	Residential		***		**					
	Length	4', 8'	2', 4', 8'	2', 4', 8'	2', 4', 8'	4', 8'	2', 4', 8'	4', 8'	2', 4', 8'	
	Im/W (Max)	167 (8ft)	108	122	148	159	176	149	175	
	Lum (Max)	8,700	9,200	9,200	11,900	8,000 / 4 ft.	22,000	11,000	20,000	
35	Life (@60K)	L70/50K ³	L70/50K	L70/50K	L70/50K	L94	L87	L82	L87	
RMAR	Voltage	UNV	UNV	UNV	120V, UNV, NUV (120-347V)	UNV	UNV, 347, 480V	UNV, 347, 480V	UNV, 347, 480V	
RFO	Dimming	N/A	No	0-10V	Triac or 0-10V ⁵	0-10V	0-10V, Step, Dali	0-10V, Step, Dali	0-10V, Dali	
FEATURES / PERFORMANCE	Lens	None ⁴	White, Single or Dual Lens	White, Dual Lens	Diffuse, Poly	Frost, Acrylic	Open, Round, FDL, Square, Refl	Frost, Acrylic	Multiple	
J. L.	Emergency	Integrated	None	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	
FEAT	CRI	80+	80+	80+	80+	80+	>80 / 90	80+	80+ / 90+	
_	Sensor Location	Remote	Remote	Remote	Sensor Kit	N/A	Integrated	Integrated	Integrated	
	DLC	Standard (TLED Lamps only)	Standard	Standard	Standard	Premium	Premium	Premium	Premium	
	Lumen / CCT Select	No	No	€ CCT	CCT/Lumen (No	Yes, specific lumen only	No	Optional 🌑	
٠,,	Basic Occupancy				✓	'	✓	✓	✓	
INTEGRATED	Stand Alone Daylight / Occupancy					✓	✓	✓	✓	
VIEC	WaveLinx LITE						✓	✓	✓	
=	WaveLinx						✓	✓	✓	

Notes: 1. *\daggreen \daggreen \dagg LED light sources maintain at least 70% of their initial lumen output (B50, L70). 4. TLED CorePro lamp is glass tube. TLED MasterClass lamp is shatter resistant plastic. 5. 0-10V only applies to UNV or NUV inputs.

		Good			Better —			Best =
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		WP	NWS	WNLED	WSNLED	BCLED	AWS / AWWS	SWLED
	Education	**	***	***	**	**	***	***
I	Office	*	**	**	***	*	***	***
BIL	Healthcare	*	*	*	**	**	**	*
APPLICABILITY 1	Retail	*	**	*	***	*	***	*
APP	Industrial	*	**	**			*	**
	Residential	***		*	*	*	**	
	Sizes	2' and 4', 5.1" wide	2', 4' / 5.3" wide	2', 4'	2', 4'	2', 4'	2', 4', 8' / 5.5" & 10" Wide	4'
	lm/W (Max)	114	129	118	108	120	165	150
S	Lum (Max)	3,400	4,900	5,000	6,500	4,800	13,000	8,000
AAN	Life (@60K)	L70/50K	L82	L88	L87	L82	L90	L91
FEATURES / PERFORMANCE	Lens	Prismatic Acrylic	Diffuse, Acrylic	Frost, Acrylic	Frost + Film, Acrylic	Frost, Smooth	(Vandal Resistant) Ribbed Frost, Polycarb	(Vandal Resistant) Frost, Acrylic
/ PEI	Emergency	No	Remote	Integrated	Integrated	Integrated	Integrated	Integrated
RES,	CRI	80+	80+	80+	80+	80+	80+, 90+	80+
ATUI	Row Mount	N/A	Yes	Yes	Yes	Yes	Yes	No
出	Sensor Location	N/A	Integral, Microwave	N/A	N/A	N/A	Integrated	Integrated
	DLC	Standard	DLC, Title 24 Non-Res	Standard	Standard	None	DLC, Title 24 Res	Standard
	Lumen / CCT Select	No	CCT/Lumen 🌑	No	No	No	CCT/Lumen	No
	Basic Occupancy		✓				✓	✓
INTEGRATED	Stand Alone Daylight / Occupancy						~	~
CONTE	WaveLinx LITE						✓	✓
	WaveLinx						✓	✓

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	on products earn more				The state of the s					
		EZBY	SPHB	VHB	UHBS2	CZL	Steeler	OHB(L)	Benchmark	
	Big Box Retail	*	***	*	***	***	**	***	*	
-	Sports / Recreation	*	**	**	**	*	***	***	**	
APPLICABILITY 1	Warehouses	***	***	***	***	**	***	***		
CAB	Manufacturing	**	**	**	***	*	***	***	***	
PLI	Cold Storage	*	**	***	***	*	*	***	**	
A	Large Indoor	*	**	*	**		**	***	**	
	Complex Environments	*			**		*		***	
	Lumen Range	18,000 - 30,000	9,000 - 60,000	9,000 - 48,000	12,000 - 36,000	5,000 - 32,000	9,000 - 30,000	9,000 - 100,000	12,000 - 70,000	
	Selectable	Lumens/CCT 😁	Lumens/CCT	Lumens	Lumens/5CCT					
	Efficacy (Max)	150 lm/W	172 lm/W	164 lm/W	180 lm/W	176 lm/W	152 lm/W	205 lm/W	181 lm/W	
щ	CRI	80	70, 80, 90	70, 80, 90	80	80, 90	80, 90	70, 80, 90	70, 80	
FEATURES / PERFORMANCE	Distribution	M	N, M, W	N, W	Selectable N, M, W	Multiple	N, M, W	N, M, W	N, M, W	
N N	Sizes	13.4"	18", 26", 42"	<2'	12"/14.1"/16" Dia	4', 8'	17" Dia	Scalable	17", 25" Dia	
ERF	Housing ²	Diecast	CRS	CRS / Extruded	Diecast	CRS	CRS / Diecast	CRS	Diecast	
/ PI	Lensing	Acrylic	Polycarbonate	Polycarbonate	Polycarbonate	Multiple	Polycarbonate	Acrylic	Acrylic	
RES	Uplight	None	Optional	None	None	Optional	Up to 10%	None	None	
ATU	Life (@ 60K hrs)	L91	L88	L83	L91	L89	L88	L96	L92	
H	Ambient Range	-20C to 50C	-40C to 55C	-40C to 55C	-40C to 50C	-40C to 65C	-40C to 55C	-40C to 55C	-40C to 65C	
	Emergency	Remote	Integrated	Remote	Remote	Integrated	Remote	Integrated	Remote	
	Ratings	IP65	Damp	Damp	IP65, NEMA 4X, NSF	Damp	IP65 Optics	Damp	IP66	
	DLC	Premium	Premium	Standard, Premium	Premium	Premium	Premium	Premium	Premium	
٥,,	Basic Occupancy			✓		✓	~	· •	V	
INTEGRATED	Stand Alone Daylight / Occupancy	Sensor Port	Sensor Port	✓	Sensor Port	~	✓	·	✓	
TEG	WaveLinx		✓	~		✓	'	'	V	
So	Enlighted ³		✓	✓		✓	'	V	V	

Notes: 1. * * * = high applicability, * * = medium applicability, * = low applicability, blank = non-applicable 2. CRS=Cold-rolled Steel, Extruded=Extruded Aluminum, Diecast=Diecast Aluminum. 3. Location data for asset tracking.

		Good		Better		Best
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		APVT-S	VT2	VT3	VT4S	VT4
	Canopy	**	**	**		
ے	Storage	***	***	**		
<u>≅</u>	Parking Garage	**	**	***		
CAE	Warehouse	**	***	***	*	*
APPLICABILITY	Food Processing	**	**	***	**	**
Ā	Manufacturing		**	**	***	***
	Complex Environments		*	***	***	***
	Lumen Range	3,000 - 11,600	2,000 - 22,000	2,000 - 8,000	9,000 - 18,000	9,000 - 30,000
	Selectable	Lumens / CCT	N/A	Lumens / CCT	N/A	N/A
	Efficacy (Max)	151 lm/W	150 lm/W	154 lm/W	165 lm/W	146 lm/W
	Distribution ²	G	G, W	G, W, P	G	G
빙	Sizes	4', 8'	2', 4', 8'	2', 4'	2'	4'
A A	Housing	Polycarbonate	Fiberglass/Polyester	Fiberglass/Polyester	Fiberglass	Fiberglass
FEATURES / PERFORMANCE	Lensing	Polycarbonate	DR Acrylic or Polycarb			
E E	Wet Location	Yes	Yes	Yes	Yes	Yes
_ 	IP Rating	IP65	None	IP65, 66, 67	IP65, 66, 67, 69	IP65, 67
RES	NSF	None	Yes	Yes	Yes	Yes
	NEMA 4X	None	None	None	Yes	Yes
Ę.	Life (@60K hrs)	L89	L91	L91	L91	L92
	Ambient Range	-20C to 40C	-40C to 35C	-40C to 50C	-40C to 40C	-40C to 40C
	Emergency	Yes	Yes	Yes	Yes	Yes
	Vandal Resistant	None	Optional	Optional	Optional	Optional
	DLC	Standard	Premium	Premium	Premium	Premium
٠	Basic Occupancy	✓	✓	✓	✓	✓
CONTROLS	Stand Alone Daylight / Occupancy	V	✓	V	V	V
NO.	WaveLinx	✓		✓		✓
١	LumaWatt Pro ³					

Notes: 1. ★★★ = high applicability, ★★ = medium applicability, ★ = low applicability, blank = non-applicable 2. G=General, W=Wide, P=Parking Garage.

3. Location data for asset tracking.

Corelite Neo-Ray

Corelite and Neo-Ray offer a unique array of high performance LED luminaires perfectly suited for today's architectural interior environments.

Combining modern details and high optical performance, Corelite and Neo-Ray's innovative approach to linear, recessed and surfacemounted luminaires make it the ultimate solution for applications with both demanding energy requirements and uncompromising aesthetics.



The product selection guides are simple yet powerful tools to help assist with product comparisons and selection based on features, performance and value.

- 9-10 Architectural LED - Linear Suspended
- **Architectural LED Recessed** 11
- Architectural Linear LED- Lines of Light











			Good			Better	
	k on products learn more					A	
		Hugo	RZL	WSLA	Jaylum	Iridium i3	Continua CTA
Σ	Education	***	**	**	***	***	***
APPLICABILITY	Office	**	*	***	***	**	**
E	Healthcare	**	**	**	**	**	**
APP	Retail	***	***	***	*	*	**
	Construction	Extruded Aluminum	Cold Rolled Steel	Steel/Extruded Aluminum	Cold Rolled Steel	Cold Rolled Steel	Extruded Aluminum
	Lengths	4', 8', 12', Cont.	4', 8', 12', Cont.	4', 8', Cont.	4', 8', Cont.	4', 8', Cont.	4', 8', 12', Cont.
	Pattern / Layout	Straight	Straight	Straight, Intersection (Up to 6-way with hub)	Straight	Straight	Straight
	Im/W (Max)	145	135	133	157	158	147
щ	Lumens (Max)	8000 (2000 lms/ft)	8800 (2200 lms/ft)	8000 (2000 lms/ft)	8000 (2000 lms/ft)	8000 (2000 lms/ft)	6000 (1500 lms/ft)
ANG	Up/Down % Options	2	2	3	5	5	4+
N N	CIE Type	Direct, Semi-Direct	Direct, Semi-Direct	Direct, Semi-Direct	Direct/Indirect	Direct/Indirect	Direct, Direct/Indirect
RFO	Life (@60K)	L85	L85	L93	L93	L93	L84
S / PE	Shielding	Frost - Smooth, Drop Lens, Baffle	Frost -Linear Prismatic, Baffle	WaveStream - Acrylic	Frost - Smooth	Frost - Smooth	Frost - Continuous Roll Lens
FEATURES / PERFORMANCE	Companion Family Fixtures	Surface	Surface	Surface	Wall, Sconce	-	Wall
FE/	Driver Location	Integral	Integral	Integral	Integral	Integral	Integral
	Emergency	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
	CRI	80+ / 90	80+/90	80+ / 90	80+ / 90	80+/90	80+ / 90
	Sensor Location	Integrated, Side Mount	Integrated	Integrated, Fixture or Hub	Integrated	Integrated	Integrated, Side Mount
	DLC	Premium	Premium	Premium	Premium	None	Premium
	VividTune™	No	No	No	Tunable White	Tunable White	No
9.0	Stand Alone Daylight / Occupancy		✓	✓	V	~	
ATE	WaveLinx Lite	✓	✓	✓	✓	✓	✓
EGR.	WaveLinx	✓	✓	✓	✓	✓	✓
INTEGRATED	Enlighted	✓	✓	✓	✓	✓	✓
	DLVP						

				Best			
	k on products learn more						
		Continua SQ4	Iridium i2 WaveStream	Element /Loft / Vertechs WaveStream	Divide	Define	Converge
È	Education	***	***	***	**	**	***
APPLICABILITY	Office	***	**	**	***	***	***
1 2	Healthcare	**	**	**	*	**	*
APF	Retail	**	*	*	**	*	**
	Construction	Extruded Aluminum	Cold Rolled Steel	Extruded Aluminum	Extruded Aluminum	Extruded Aluminum	Extruded Aluminum
	Lengths	2', 4', 6', 8', 12', Cont.	4', 8', Cont.	4', 8', 12', Cont.	4', 8', Cont.	2' - 12', Cont.	4', 8', Cont.
	Pattern / Layout	Straight	Straight	Straight	Straight	Straight, Corners, Intersection	Straight
	Im/W (Max)	147	114	116	140	164	119
щ	Lumens (Max)	10,800+ lm (2,700+ lms/ft)	7200 (1800 lms/ft)	7200 (1800 lms/ft)	6000 (1500 lms/ft)	9900 (2475 lms/ft)	6700 (1700 lms/ft)
A	Up/Down % Options	28+	3	3	2	∞	3
Z Z	CIE Type	Direct, Direct/Indirect, Indirect	Direct, Direct/Indirect	Direct, Direct/Indirect	Direct, Direct/Indirect	Direct, Direct/Indirect, Indirect	Direct, Direct/Indirect
RFO	Life (@60K)	L84	L81	L81	L87	L90	L85
FEATURES / PERFORMANCE	Shielding	Frost - Continuous Roll Lens Black/White Louvered Baffle	Frost - Linear Prismatic	Frost - Smooth	WaveStream - Acrylic Specular, Diffuse	Frost - Smooth, Drop & Regressed, Asymmetric and Batwing Lens	WaveStream - Acrylic Diffuse
TURE	Companion Family Fixtures	Recessed, Wall	-	-	Surface, Wall, Recessed	Surface, Wall, Recessed, Perimeter	-
E/A	Driver Location	Integral	Integral	Integral	Integral	Integral	Remote w/ Luxwire
	Emergency	Integrated	Integrated	Integrated	Integrated	Integrated	Remote
	CRI	80+ / 90	80+/90	80+ / 90	80+ / 90	80+ / 90	80+/90
	Sensor Location	Integrated, Endcap/Side Mount	Integrated	Integrated	Integrated	Integrated	Tile Mount
	DLC	Premium	Standard	Standard	Premium	Premium	None
	VividTune™	Tunable White	No	No	No	Tunable White	No
es.	Stand Alone Daylight / Occupancy		~	~		· ·	V
INTEGRATED	WaveLinx Lite	✓			✓	✓	
EGR	WaveLinx	✓	✓	✓	✓	✓	✓
₹ 3	Enlighted	✓	✓	✓	✓	✓	✓
	DLVP						✓

Recessed

		Good			Better —			Best
	c on products learn more							
		Class RX/ZX	Class D3X	Class R2X	Bridge	Perceive	InDepth	Divide
≧	Education	***	**	***	**	***	***	**
ABIL	Office	***	***	***	***	***	***	***
APPLICABILITY	Healthcare	*	**	***	*	***	**	***
APF	Retail	**	**	**	**	**	**	*
	Sizes	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x4, 2x2, 2x4, Metric	1x4, 2x2, 2x4, Metric	1x4, 2x2, 2x4	1x4, 2x2, 2x4, 4x4	1x4, 2x2, 2x4
	Im/W (Max)	145	139	134	118	137	127	137
	Lumens (Max)	7600	7800	8000	7300	9,000	9000	7500
	Life (@60K)	L94	L93	L87	L80	L85	L84	L87
FEATURES / PERFORMANCE	Lens	Round (R), Flat (Z) Frost - Smooth	Frost - Smooth, Perf Inlays	Round (R), Frost - Smooth	Acrylic (Wavestream), Perf Inlays	Acrylic (Perceive Optics)	1", 2" Cube Regress 1", 2", 3" Cube Drop 2" Single & Double Curve Regress & Drop Sweep Regress & Drop	Acrylic (Wavestream), Specular, Diffuse
URES /	Emergency	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated, Indicator is Remote	Integrated
EAT	CRI	80+ / 90	80+ / 90	80+ / 90	80+ / 90	80+ / 90	80+	80+ / 90
ш	Sensor Location	Integrated	Integrated	Tile Mount	Integrated	Integrated	Tile Mount	Integrated
	DLC	Standard	Standard	Standard	Standard	Premium	Premium	Premium
	Air Return	Yes	None	Yes	Yes, concealed	None	No	None
	VividTune™	Tunable White	Tunable White	No	No	Yes	No	No
	WaveLinx Lite	'	V		✓	✓	✓	
ES S	WaveLinx Pro	~	✓		✓	✓	✓	✓
INTEGRATED CONTROLS	WaveLinx, No Sensor	~	~			V	✓	
INTE	Enlighted	~	✓	✓	V	✓	✓	V
	DLVP	✓	✓		✓	✓	✓	

Metalux | Corelite | Neo-Ray

Whether lighting contemporary architectural spaces or general area lighting, Cooper Lighting Solution's architectural **linear LED** products offer a complete family of innovative, affordable, and energy saving LED solutions for your next project.













	Go	ood		Better		Best
	on products earn more			111	m	m
		Metalux RBG	Metalux RCG	Corelite CL	Neo-Ray Define Standard	Neo-Ray Define Premium
<u>-</u>	Office	**	**	**	***	***
APPLICABILITY¹	Secondary Education	**	**	**	***	**
CAB	Primary Education	***	***	***	**	*
딦	Healthcare	**	*	*	**	***
₹	Tenant Improvement	***	***	***	**	*
	Apertures	4"	3"	2", 4"	1.5", 2", 3", 4", 5"	1.5", 2", 3", 4", 5"
	Sizes	Fixed 2', 4', 8'	4', 8'	4', 8' + Continuous Runs	2'-12' + Continuous Runs	2'-12' + Continuous Runs
	Length Resolution	Fixed	Fixed	4' Increments	1" Increments	1" Increments
	Installation Type	Ceiling, Wall	Ceiling	Ceiling	Ceiling, Wall, Perimeter	Ceiling, Wall, Perimeter
ш	Configuration Geometry	Straight	Straight	Straight	Straight, Corners, Intersection	Straight, Corners, Intersection
MANC	Compatible Family Fixtures	Surface/Susp & Drywall Kits	N/A	N/A	Suspended, Surface, Wall	Suspended, Surface, Wall
ORN	Im/W (Max)	115	121	124	127	141
ERF	Lms/ft (Max)	1,000	1,000	1,200	1,400	1,500
/ P	Standard Lumen Levels	3	4	5	5 + Custom	5 + Custom
FEATURES / PERFORMANCE	Lens	Flush Frosted	Flush Frosted, Asymmetric	Flush Frosted, Asymmetric	Flush & Drop Frosted, Asymmetric, Louver	Flush & Drop Frosted, Asymmetric, Louver
FEA	Emergency	Integrated, Remote Switch	Integrated	Integrated	Integrated	Integrated
	CRI	80+	80 Standard, 90 Optional	80 Standard, 90 Optional	80 Standard, 90 Optional	80 Standard, 90 Optional
	Ceiling Integration / Flange Type	Standard T-Grid, Gypsum	Standard T-Grid, Gypsum	6 Common Architectural Systems	>12 Architectural Ceiling Systems	>12 Architectural Ceiling Systems
	DLC	Standard	Standard	Standard	Standard & Premium	Standard & Premium
	VividTune™	No	No	No	No	Tunable White
ROLS	WaveLinx, Enlighted, DLVP, Stand Alone	Integrated or Tile Mount	Integrated	Integrated	Integrated or Tile Mount	Integrated or Tile Mount
INTEGRATED CONTROLS	Integral Downlights	N/A	N/A	N/A	Optional Fixed or Adjustable	Optional Fixed or Adjustable

Fail-Safe

Fail-Safe is a leading provider of specialty grade lighting products designed to perform in a wide variety of complex environments.

Fail-Safe's complete family of luminaires are designed to meet the most demanding applications needs in medical / healthcare, vandal resistant, correctional, cleanroom, and specialty / custom lighting.

The product selection guides are simple yet powerful tools to help assist with product comparisons and selection based on features, performance and value.

- **Cleanroom Spaces** LED
- Medical Spaces LED 15, 16
- 17, 18 **Correctional Spaces - LED**
 - Linear Vandal Resistant LED 19
 - **Indoor Vandal Resistant LED**
 - Vandal Resistant Wall Packs LED 21
 - Vandal Resistant Vaportite LED
 - **Downlights LED**
 - Troffer LED
 - Behavioral Health LED















Cleanroom Ratings

- ISO standard ratings (1-9) are used to identify products suitable for those cleanroom rated conditions.
- FED-STD-209E has been replaced by ISO 14644-1, but is still referenced in some specifications.
- For both systems, lower numbers correspond to stricter cleanroom ratings.



Hose Down Ratings

- IP 65 is low pressure hose down.
- IP 66 is high pressure hose down.
- First digit signifies dust ingress protection rating (1-6) and second digit represents liquid ingress protection (1-6 for hosedown). In both cases, the higher the number, the better the seal on the fixture.



NSF Ratings

- NSF (National Sanitation Foundation) provides certified product for use in commercial food processing applications.
- NSF rating can serve as a good indicator of the ability to easily clean/wipe down products.



Narrow Spectrum Illumination

- Red light is used in vivarium (enclosed structure for animal observation or research) applications.
- Green light is used in operating rooms.
- Amber and Yellow are used in various industrial processes.

Click on products to learn more



















	CFA
Mounting	Surface
ISO Rating	3
FED-STD-209E	1
Max Lumens	4,100
Sizes	2', 3', 4', 8'
UL Rating	Wet Location
IP Rating	
NSF	
Red	Optional
Green	Optional
Amber	Optional
Yellow	Upon Request

FLD4B
Recessed
5,300
4" Round
Wet Location
IP65/IP66
Optional

FLD6B	ı	
Recessed		
5		
100		
6,600		
6" Round		
Wet Location		
IP65/IP66		
Optional		

L9L	FUZ
Recessed	Recessed
5	5
100	100
6,400	7,500
1x4, 2x2, 2x4	1x4, 2x2, 2x4
Wet Location	Wet Location
IP65/IP66	IP65
Standard	Standard

ENW/ENC	
Recessed	
5	
100	
7,000	
1x2, 1x4, 2x2, 2x4	
Wet Location	
IP66	
Standard	

		0 =
	Recessed	Recessed / Surface
	5	5
	100	100
	4,121 (4ft)	24,000
1	Fixed 2', 4', 8'	1x2, 1x4, 2x2, 2x4
	Wet Location	Wet Location
	IP66	IP65
	Standard	Standard
		Optional
		Upon Request
		Upon Request
		Upon Request

1	

CLM	CLP
Recessed / Surface	Recessed / Surfa
5	5
100	100
24,000	24,000
1x2, 1x4, 2x2, 2x4	1x2, 1x4, 2x2, 2x
Wet Location	Wet Location
IP65	IP66
Standard	Standard
Optional	Optional
Upon Request	Upon Request

Upon Request **Upon Request**

Patient rooms





Multi-function vs multi-compartment

- Multi-function fixtures have a variety of functions and light outputs in a single fixture.
- Multi-compartment fixtures place each function in a distinctly separate compartment.

Multiple lights in one package

- Patient bed lights need to perform a variety of functions within a single fixture.
- Typical functions include ambient, exam, reading, nightlight, and chart light.

Mounting

• Patient bed lights can be ceiling mounted above or beside the bed, or to the headwall.

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	APR	APN	MPBL
Sizes	2' x 2', 2' x 4'	6" x 48", 6" x 60", 6" x 72"	24", 36", 48"
Mounting	Recessed ceiling (above bed)	Ceiling (beside bed)	Wall Mount
Max lumens	19,500	6,000	12,650
UL Location Rating	Damp (Wet optional)	Damp (Wet optional)	Damp
Wipedown	Standard	Standard	Standard
Tamperproof	CP250 lens optional	CP250 lens optional	
CRI	80, 90	80, 90	80, 90

Operating rooms





Operating room layout

- Troffers typically used to form high lumen perimeter around operating table.
- · Downlights typically used around perimeter of operating theater.

MIL-STD-461-G

- Rated to provide high level of protection against radiated and conducted electromagnetic interference (EMI).
- Protects certain sensitive equipment used in some operating rooms.

Green LEDs for auxiliary lighting

• Green LEDs used as auxiliary and supplemental lighting to primary white LEDs. If requested by the surgical staff, green LEDs are available for specification.

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ORL	
1' x 4', 2' x 2', 2' x 4'	
Recessed troffer	
28,000	
Wet	
IP66	
Standard	
Standard	
80, 90	
Optional	
Optional	
	1' x 4', 2' x 2', 2' x 4' Recessed troffer 28,000 Wet IP66 Standard Standard 80, 90 Optional

FLD6B/OR
6" round
Recessed downlight
6,600
Wet
IP65 (IP66 optional)
Standard
Optional
80, 90, 97
Optional

Fail-Safe

Behavioral health





Form and function

- · Fixtures should have aesthetic appeal while maintaining high structural security.
- · Continue visual themes from non-behavioral health areas.

Self harm resistant

- Designed to protect against self harm by patients.
- · Polycarbonate lens and tamper resistant hardware used to withstand high abuse.

Disease prevention and control

· Antimicrobial Matte White paint finish protects against disease propagation.

Exam rooms





High light levels and light quality

- · High lumen levels needed for performing patient examinations.
- · High CRI available for aid in visual evaluation of patient and symptoms.

Ease of cleaning

• Wipedown design and NSF (National Sanitation Foundation) rating make regular cleaning of fixtures easier.

Disease prevention and control

· Antimicrobial Matte White paint finish protects against disease propogation.

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FWL 18", 24", 48"

Wall mount 6,000 Damp

Standard

Standard

80,90

	ENV	FLD6BXV
Sizes	1' x 2', 1' x 4', 2' x 2', 2' x 4'	6" round
Mounting	Recessed troffer	Recessed downlight
Max lumens	6,100	6,600
UL Location Rating	Wet	Wet
IP Rating	IP66	IP66
Wipedown	Standard	Standard
Tamper Resistant	Standard	Standard
NSF	Standard	
CRI	80, 90	80, 90, 97



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	FCZ
Sizes	1' x 4', 2' x 2', 2' x 4'
Mounting	Recessed troffer
Max lumens	7,500
UL Location Rating	Wet
IP Rating	IP65
Wipedown	Standard
Tamper Resistant	Optional
NSF	Standard
CRI	80, 90

Unsupervised Areas

Cells **Showers Work Spaces**

- Inmates regularly present in these areas for long periods of time
- Guards only pass by periodically; not continuously present
- Fixtures typically mounted at lower heights and easy to reach
- Lens and metal thicknesses are thick to withstand regular, extended periods of potential high abuse

Supervised Areas



- Inmates occasionally present in these areas
- Guards regularly present, able to respond quickly to inmates attempting to damage fixtures
- Fixture mounting heights low, medium, or high depending on space/application
- Lens and metal thicknesses withstand intermittent, moderate abuse

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		FMB	FMR	FCC	FUSL
ility	Cells	***	***	***	***
Applicability	Showers		***	***	**
Арр	Work Spaces ★★		***	**	***
	Mounting	Wall	Recessed	Corner	Surface
	Size	2', 4'	1x1,1x2,1x4, 2x2, 2x4	2', 4'	2', 4'
Features	Max Lumens	5,264 / 5,264*	9,960*	7,178*	11,832*
Feat	Wet Location	N/A	Optional	Optional	Optional
	Max Metal Ga. / Thickness	12 ga / 0.109"	12 ga / 0.109"	12 ga / 0.109"	12 ga / 0.109"
	Max Total Lens Thickness	.750"	.875"	.875"	.687"

Notes: 1. $\star\star\star$ = high applicability, $\star\star$ = medium applicability, \star = low applicability, blank = non-applicable *Max Lumens with 0.250" Polycarbonate Lens

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		FCT	FMS	TR15
ility	Hallways	***	***	**
Applicability	Cafeterias	**	***	**
Арр	Visiting Spaces	***	***	***
	Mounting	Surface	Surface	Wall
	Size	2', 4'	1x1,1x2,1x4,2x2,2x4	15" Round
ures	Max Lumens*	16,700	15,300	4,875
Features	Wet Location	N/A	Optional	Standard
	Max Metal Ga. / Thickness	12 ga / 0.109"	12 ga / 0.109"	N/A
	Max Total Lens Thickness	.500"	.860"	0.135"

^{**}Nominal Lens Thickness

LED

Non-Correctional Areas

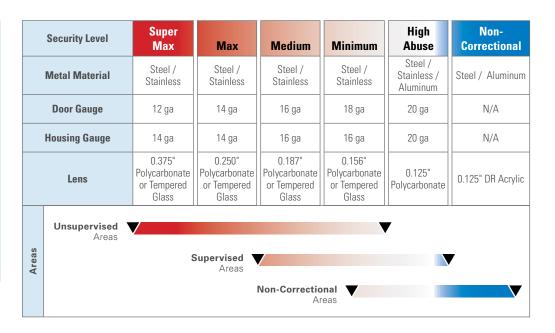


- Inmates never/rarely present
- Guards rarely present
- Improved aesthetic appearance desired
- Lenses can be polycarbonate or acrylic



		GRV	FLD6B	ENV	G12
ility	Offices	***	***	***	*
licab	Entrances	***	***	***	***
Applica	Waiting Areas	***	***	***	*
	Mounting	Recessed	Recessed	Recessed	Wall
S	Size	1x4, 2x2, 2x4	6" Round	1x2, 1x4, 2x2, 2x4	12" Square
Feature	Max Lumens	18,000	7,000	6,489*	3,750
Fea	Wet Location	N/A	Standard	Standard	Standard
	Max Total Lens Thickness	0.187"	0.375"	0.250"	0.135"**

Notes: 1. $\star\star$ = high applicability, $\star\star$ = medium applicability, \star = low applicability, blank = non-applicable



Control Systems

TCS Touch Control System

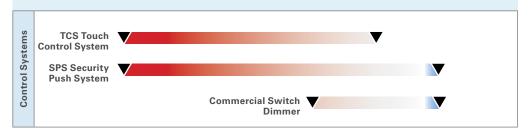
- · High security capacitive touch bolt
- Remote override capacity
- Integral to fixture or remote in wall

SPS Security Push System

- Security push switch, integral to fixture
- Local single fixture/circuit control

Commercial Switch / Dimmer

- Non-tamper resistant
- Offers on/off and dimming



^{*}Max Lumens with 0.250" Polycarbonate Lens

^{**}Nominal Lens Thickness

		Good _			Better							
Click to lo	on products earn more											
		FVS4	FVS8	HVSL2	HVSL4	HVSL8	HVSL12	HVL8	HVL12			
	Behavioral Health	*	*	**	**	***	**	**	**			
LITY	Outdoor Vandal Resistant	**	**	**	**	**	**	**	**			
APPLICABILITY1	Indoor Vandal Resistant	***	***	***	***	***	***	***	***			
APPL	Industrial High Abuse	***	***	***	***	***	***	***	***			
	Multifamily homes	**	**	***	***	***	***	**	**			
NG B	Wall	·	'	✓	✓	·	~	·	✓			
MOUNTING	Ceiling	V	~	✓	V	•	✓	·	~			
OW O	Pendant			✓	~			· ·	✓			
	Lengths	2', 3', 4', 8'	2', 3', 4', 8'	2', 3', 4', 8'	1', 2', 3', 4', 8'	2', 4', 8'	2', 4', 8'	1', 2', 4', 8'	1', 2', 4', 8'			
	Size (W x H)	4" x 3.75"	8" x 3.75"	2.5" x 2.75"	4" x 3.3"	8.5" x 3.6"	12.5" x 3.6"	8.6" x 3.6"	12.6" x 3.6"			
ES	Maximum Lumen Output (4ft Length)	8664	13841	4083	7883	13444	12942	12690	12350			
FEATURES	Lens Thickness	0.125", 0.187"	0.125", 0.187"	0.085"	0.085"	0.135"	0.135"	0.135"	0.135"			
出	Emergency	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional			
	Occupancy	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional			
	Photocell	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
ONS	IP	N/A	N/A	N/A	N/A	IP63	IP63	IP64	IP64			
CERTIFICATIONS	Wet Location	Optional	Optional	Optional	Optional	Optional	Optional	Standard	Standard			
CERT	NSF	N/A	N/A	N/A	Optional	N/A	N/A	Optional	Optional			

		Good				Best =			
Click to I	on products earn more								
		FLD4B	FLD6B	UCLV	GRV	FSP	FCZ	ENV	FSN
<u> </u>	Behavioral Health	***	***	**	**	***	***	***	***
APPLICABILITY 1	Indoor Vandal Resistant	***	***	***	***	***	***	***	***
PLIC/	Indoor High Abuse	***	***	*	***	***	***	*	***
Ā	Multifamily homes	***	***	*	**	**	**	**	*
	Size	4" Round	6" Round	1', 2', 3', 4'	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x4, 2x2, 2x4	1x2, 1x4, 2x2, 2x4	Fixed 2', 4', 8'
	Mounting	Recessed	Recessed	Undercabinet	Recessed	Recessed	Recessed	Recessed	Recessed or Surface/Suspension
FEATURES	Maximum Lumen Output	4,000	7,000	2,400	17,000	6,400	7,500	6,200	4,121 (4ft)
FEAT	Maximum Lens Thickness	0.187"	0.500"	0.187"	0.187"	0.375"	0.250"	0.375"	0.250"
	Emergency	Optional	Optional	N/A	Optional	Optional	Optional	Optional	Optional
	Оссирансу	N/A	N/A	Optional	N/A	N/A	N/A	N/A	N/A
SNOI	IP	IP66	IP66	IP63	N/A	IP65/IP66	IP65	IP66	IP66
CERTIFICATIONS	Wet Location	Standard	Standard	N/A	N/A	Standard	Standard	Standard	Standard
CERT	NSF	Standard	Standard	N/A	N/A	Standard	Standard	Standard	Standard

		Good	Bet	Better					
Click on products to learn more									
		B95	H12	G12	TR11	TR15			
	Behavioral Health	**	**	**	**	**			
LITY	Outdoor Vandal Resistant	***	***	***	**	**			
APPLICABILITY1	Indoor Vandal Resistant	**	**	**	**	**			
APPL	Industrial High Abuse	***	***	***	**	* *			
	Multifamily homes	**	**	**	**	* *			
MOUNTING	Wall	✓	✓	✓	·	•			
MOUN	Ceiling	✓	✓	~	·	•			
	Size	5" x 9" Rectangle	12" x 12" Square	12" x 12" Square	11" Round	15" Round			
4.0	Maximum Lumen Output	1,975	4,703	3,750	2,630	4,875			
FEATURES	Lens Thickness	0.130"	0.156"	0.130"	0.11	25"			
FEAT	Emergency	N/A	Optional	Optional	Opti	onal			
	Occupancy	N/A	Optional	Optional	Opti	onal			
	Photocell	Optional	Optional	Optional	Opti	onal			
CERTIFICATIONS	IP	IP65	IP65	IP65	IP	65			
CERTIFI	Wet Location	Standard	Standard	Standard	Stan	dard			

	on products earn more					
		VRVT1	VRVT2	VRVT3	VRVT4S	VRVT4
	Canopy	**	**	**		
-	Parking Garage	**	**	***		
È	Warehouse	***	***	***	*	*
₩ WBII	Food Processing	*	**	***	**	**
2	Manufacturing	**	**	**	***	***
APPLICABILITY	Complex Environments	*	*	***	***	***
	Natatorium	*	**	***	***	***
	Vivarium		***	***	***	***
	Lumen Range	3,500 - 12,000	2,000 - 22,000	2,000 - 8,000	9,000 - 18,000	9,000 - 30,000
	Efficacy (Max)	150 lm/W	150 lm/W	154 lm/W	165 lm/W	146 lm/W
	Distribution	General	General, Wide	General, Wide, Parking	General	General
	Lengths	4', 8'	2', 4', 8'	2', 4'	2'	4'
FEATURES / PERFORMANCE	Housing	Polycarbonate	Fiberglass housing is reinforced polyester and selfextinguishing (ASTM-D635-74) plastic	Fiberglass/Polyester	Polycarbonate	Polycarbonate
OR	Lens	Polycarbonate	Polycarbonate	Polycarbonate	DR Acrylic or Polycarbonate	DR Acrylic or Polycarbonate
ERF	Wet Location	Yes	Yes	Yes	Yes	Yes
. / P	IP Rating	IP65	IP65	IP65, 66, 67	IP65, 66, 67, 69	IP65, 67
RES	NSF	Yes	Yes	Yes	Yes	Yes
ATU	NEMA 4X	None	None	Yes	Yes	Yes
쁘	Life (@60K hrs)	L70 @60K	L91 @61K	L91 @61K	L70 @60K	L70 @60K
	Ambient Range	-20C to 45C	-40C to 35C	-40C to 50C	-40C to 40C	-40C to 40C
	Emergency	Yes	Yes	Yes	Yes	Yes
	Tamper-resistant	Standard	Standard	Standard	Standard	Standard
	Narrow Spectrum Color LED	N/A	Red, Amber, Green	Red, Amber, Green	Red, Amber, Green	Red, Amber, Green
LS LS	Basic Occupancy	✓	✓	V	✓	✓
INTEGRATED	Stand Alone Daylight / Occupancy	~	·		✓	✓
FS	WaveLinx	✓				

Fail-Safe offers an assortment of downlights intended for a variety of customer applications. Whether it's high abuse environments, medical spaces, or even MRI suites, Fail-Safe's downlight fixtures meet the most stringent requirements and still deliver the aesthetic appeal desired by customers.





Click on products to learn more

















to learn more								
		FLD4B Open Medical 4"	FLD4BX Enclosed 4"	FLD6B Open Medical 6"	FLD6BX Enclosed 6"	FLD6BX / OR Operating Room	MRI-R6DNLT MRI Downlight	
	Vandal Resistant / Behavioral Health	*	***	*	***			
	Correctional		*		**			
BILI	Food Processing	***	***	***	***	*		
APPLICABILITY1	Cleanroom			***	***	**		
PPI	Medical (non-OR)	***	***	***	***	*		
•	Operating Room	*	**	*	**	***		
	MRI						***	
TIONS	Open	~	~	✓	✓		·	
CONFIGURATIONS	Bottom Lens		✓		✓			
CONF	Bottom Trim Ring				V	~		
	Size	4"	4"	6"	6"	6"	6"	
	Max Lumens	5,000	5,000	7,000	7,000	5,000	1,800	
3ES	Tamperproof	_	Optional	_	Optional	_	-	
FEATURES	VividTune	Available	Available	Available	Available	_	-	
H (1)	Dim to Warm	Available	Available	Available	Available	Available	-	
	Non-Ferrous	_	-	-	-	_	Standard	
	Remote Driver	_	-	-	-	_	Standard	
S	UL	Wet	Wet	Wet	Wet	Wet	Damp	
CERTIFICATIONS	IP	IP65	IP65/IP66	IP65	IP65/IP66	IP66	-	
FICAI	NSF	Available	Available	Available	Available	Available	-	
ERTIF	MIL-STD-461-G	-	_	_	-	Available	-	
5	ISO Cleanroom ²	5	5	5	5	5	-	

Notes: 1. * * * = high applicability, * * = medium applicability, * = low applicability, blank = non-applicable. 2. Fixtures rated ISO 5 are compatible with cleanrooms rated ISO 5 or higher.

		Go	od				Best =				
	s on products learn more	1					4				/
		GRW	GRV	FSP	FCB	FCZ	ENW/ENC	ENV	CLM	CLP	FSN
	Vandal Resistant	*	***	**	**	***	*	***	*	*	***
	High Abuse	*	***	***	**	***	**	***	**	*	***
-	Healthcare	*	*	***	***	***	***	**	*	*	***
APPLICABILITY1	Behavioral Health	*	***	**	**	***	*	***	*	*	***
ICAB	Cleanroom	*		***		**	***	**	***	***	**
APPL	Pharmaceuticals	**		***	*	**	***	**	***	***	**
	Vivariums					*			***	***	
	Hosedown	**		***	*	**	***	***	***	***	***
	Food Prep			***		***	***	**	***	***	***
10	Size	1' x 4', 2' x 2', 2' x 4'	1' x 4', 2' x 2', 2' x 4'	1' x 4', 2' x 2', 2' x 4'	1' x 4', 2' x 2', 2' x 4'	1' x 4', 2' x 2', 2' x 4'	1' x 4', 2' x 2', 2' x 4'	1' x 4', 2' x 2', 2' x 4'	1' x 4', 2' x 2', 2' x 4'	1' x 4', 2' x 2', 2' x 4'	Fixed 2', 4', 8'
FEATURES	Mounting	Grid	Grid	Grid	Grid	Grid	Grid	Grid	Grid	Grid/Flange/Surface	Surface
FEAT	Max Lumens	18,000	18,000	6,400	7,500	7,500	7,000	7,000	24,000	24,000	4,121 (4ft)
	Sevice from Below	•	✓		✓				✓	✓	
	Wet Location	Standard	Standard	Standard	Optional	Standard	Optional (ENW) Standard (ENC)	Standard	Standard	Standard	Standard
RATINGS	IP	-	-	IP66 Optional	-	IP65 Optional	IP66	IP66	IP65	IP66	IP66
RAT	NSF	-	-	Standard	-	Standard	Standard	Standard	Standard	Standard	Standard
	ISO Cleanroom ²	-	-	5	-	5	5	5	5	5	5

Notes: 1. ★★★ = high applicability, ★★ = medium applicability, ★ = low applicability, blank = non-applicable 2. Fixtures rated ISO 5 are compatible with cleanrooms rated ISO 5 or higher.

Multi-Function

(Exam / Ambient / Reading / Night Light)

Clear Polycarbonate Bottom Lens

Surface Mount Wall / Ceiling

Click on product to learn more	is Control of the Con			~					B C			
	ArcMed Patient Room Recessed APR	ArcMed Patient Room Narrow	Medical Ambient / Exam MAE (w/door)	ArcMed InDepth AID	FailSafe ArcMed Recessed FLR/FLR2	FailSafe Sealed Panel FSP	FailSafe Sealed Narrow FSN	Encounter Vandal ENV	FailSafe Downlight FLD4 & FLD6	Harmony Vandal Steel HVSL8B	FailSafe Wall LED FWL	Multi-Purpose Wall MWL
Polycarbonate Lens/ Thickness	0.250" max	0.250" max	0.100" max	0.250" max	0.375" max	0.375" max	0.250" max	0.250" max	0.375" max	0.135" max	0.250" max	0.125" max
Mounting	Recessed Grid, Drywall FramingKit for hard ceiling	Recessed Grid, Drywall Framing Kit for hard ceiling	Recessed Grid, Drywall Framing Kit for hard ceiling	Recessed Grid, Drywall Framing Kit for hard ceiling	Recessed Grid, Drywall Framing Kit for hard ceiling	Recessed Grid, Drywall Framing Kit for hard ceiling	Recessed Grid, Drywall Framing Kit for hard ceiling	Recessed Grid, Drywall Framing Kit for hard ceiling	Recessed Ceiling	Surface, Wall or Ceiling	Surface, Wall or Ceiling	Surface, Wall
Sizes / Lumen Ranges	2x2 up to 8,940 2x4 up to 21,000	Pair of 6" x 4' up to 8,400	2x2 up to 7,600 2x4 up to 15,000	2x2 up to 8,000 2x4 up to 9,000 1x4 up to 8,000	2x2 up to 6000 2x4 up to 10000 1x4 up to 8000	2x2 up to 4200 2x4 up to 6400 1x4 up to 4200	4' length up to 4,050 8' length up to 8,250 2' length up to 2,000	2x2 up to 4,300 2x4 up to 7,000 1x4 up to 4,300 1x2 up to 3,500	6" downlight to 7,000 4" downlight to 4,000	4' length up to 14,300 2' length up to 7,150	4' length up to 6,000 2' length up to 3,000 18" length up to 1,675	4' length up to 6,600 up / 7,300 down
VividTune	Yes	Yes	_	Yes	-	-	-	-	-	-	-	Yes
Listing	Damp standard / Wet location in process	Damp standard / Wet location available	Damp Location standard	Damp standard / Wet available	Wet Location, High Abuse, Medical/ Cleanroom	Wet Location standard	Wet Location standard	Wet Location standard	Wet Location standard	Damp Location standard	Damp Location standard	Damp Location standard
IP	IP65 available	IP65 available	_	IP65 available	IP65 & IP66 available	IP65 & IP66 available	IP66 available	IP66	IP65	IP63	_	IP4X
NSF	-	Yes	_	Yes	_	Yes	Yes	Yes	Yes	-	_	-
ISO	-	-	-	IS05-8	ISO3-8	-	IS05-9	IS05-9	-	-	-	-
IK	IK10	IK10	IK10 rating	IK10 with 0.25" Polycarbonate Lens	IK10 rating	IK10 with 0.25" Polycarbonate Lens	-	-	-	-	-	-
Ligature Resistant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Anti-microbial Finish	-	Standard Anti-microbial	Available	Standard Matte White	-	Standard Matte White	Standard Matte White	Standard Matte White	Available	Available	Aavailable	Available
Other	Used directly over the bed	Patient Control w/ Low Voltage Relay. Used in pairs, adjacent to the bed.	Extruded Aluminum or Steel Door	Multiple Regress Diffusers	Aluminum frame weld and ground	50°C Ambient Rating	Flex Assembly for Continuous Run	Continue Encounter theme into complex areas	Open or Enclosed, Polycarbonate Lens to 0.375" thick	Corner Mount Bracket, Corner Connectors available	Flush Tamper Proof Screws standard, separate Up/Down Chambers	0.125" Polycarbonate Lens, Uplight/Downlight, for protection

Sure-Lites

Sure-Lites has been the trusted name and industry leader for emergency and exit lighting for over 30 years. Sure-Lites offers a full line of innovative emergency and exit lighting products designed for commercial, industrial, hospitality, healthcare, educational and multi-housing residential spaces.

Sure-Lites products are designed to meet and exceed today's building codes. Our products offer maximum reliability and performance while minimizing installation and maintenance costs. From ease of installation to performanceenhancing electronics to time-saving features, Sure-Lites is focused on advancing technology to develop the most effective emergency and exit lighting solutions.

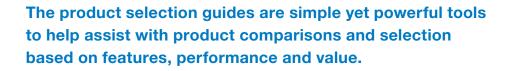












- **LED Emergency Lighting Indoor**
- LED Emergency Wet Location, Suitable for both Outdoor and Indoor
- 29 **LED Exit Products - Box Type**
- **LED Exits Edge Lit** 30
- **Remote Products**
- **Emergency Battery Packs**











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	APELMINI	APEL	AP2SQLED30	SEL	XR6C-LED	SELM	SELHP100R3	SELMREC	SELRA50	SELA	SELMTG
Material	Polycarbonate	Polycarbonate	Thermoplastic	Polycarbonate	Sheet Metal	Sheet Metal	Thermoplastic	Sheet Metal	Thermoplastic	Polycarbonate	Sheet metal
Color	White	White or Black	White	White or Black	White	White	White	White or Black	White	White or Black	White or Black
Mounting	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Recessed wall or ceiling	Recessed ceiling	Recessed wall mount	Recessed T-grid mount
Coverage	17 feet	17 feet	30 feet	17/25/50/60 feet	2 x 300 lumen heads	25/50/60/80 feet	100 feet	25 or 60 feet	50 feet	29 feet	60 feet
Battery	Nickel cadmium	Nickel cadmium	Nickel cadmium	Nickel cadmium	Nickel cadmium	Nickel cadmium	LiFePO4	Nickel cadmium	Nickel cadmium	Nickel cadmium	Nickel cadmium
Remote Capability	No	✓ (Option)	No	(Option) 4 to 16 watts	No	4 to 16 watts	3 watts	4 to 10 watts	NiMH	No	5 watts
Temp Range	10° C to 40° C	10° C to 40° C	10° C to 40° C	0° C to 40° C	0° C to 40° C	0° C to 40° C	0° C to 50° C	0° C to 40° C	10° C to 40° C	0° C to 40° C	0° C to 40° C
Self- Diagnostics	No	No	No	(Option)	No	✓ (Standard)	✓ (Option)	✓ (Standard)	(Option)	✓ (Standard)	✓ (Standard)
EZ Key Battery Disconnect	No	No	No	(with SD Models)	(Standard)	✓ (Standard)	No	No	No	✓ (Standard)	✓ (Standard)
Laser Test	No	No	No	(with SD Models)	No	✓ (Standard)	No	✓ (Standard)	No	✓ (Standard)	✓ (Standard)
UL Rating	UL 924 Damp	UL 924 Damp	UL 924 Damp	UL 924 Damp	UL 924 Damp	UL 924 Damp	UL 924 Damp	UL 924 Damp	UL 924 Damp	UL 924 Damp	UL 924 Damp
Normally On	No	No	No	No	No	No	No	No	No	No	No
City of Chicago Compliant	No	No	No	No	✓ (Standard)	✓ (Standard)	No	✓ (Standard)	No	No	✓ (Standard)
Availability	Stock	Stock	Stock	Stock	Stock	Stock	Stock	Stock	Stock	Stock	Stock
Other							Ideal for ceiling or wall mount 3 Watt remote capacity allows up to 130 feet egress coverage		Architectural Fixture Round and rectangular trims provided for design flexibility	Architectural Fixture Three shrouds available, "barrel" accepts wall treatment for fixture to blend into space	Architectural, recessed T-grid mount

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	SELW	SELDWA	SELDWA50PS	AEL2	SELIN60SD	SELD
Material	Polycarbonate	Die cast AL	Die cast AL	Die Cast AL	Fiberglass	Die Cast AL
Color	Ag/BK/WH/BZ	Ag/BK/WH/BZ	Ag/BK/WH/BZ	Ag/BK/WH/BZ	Grey	Ag/BK/WH
Mounting	Surface	Surface, Mullion Mount option	Surface	Surface	Surface	Surface
Coverage	25 feet	29 or 50 feet	29 or 50 feet	25 feet	25/50/60 feet	60 feet
Battery	Nickel cadmium	Nickel cadmium	Nickel cadmium	Nickel cadmium	Nickel cadmium	Nickel cadmium
Remote Capability	No	No	No	No	4 to 10 watts	No
Temp Range	0° C to 40° C / -20° C to 55° C	0° C to 40° C/ -20° C to 55° C	0° C to 40° C/ -30° C to 40° C	-30° C to 55° C	0° C to 40° C	-30° C to 50° C
Self- Diagnostics	No	✓ (Standard)	✓ (Standard)	✓ (Standard)	✓ (Standard)	✓ (Standard)
EZ Key Battery Disconnect	No	No	No	No	No	No
Laser Test	No	No	No	No	✓ (Standard)	✓ (Standard)
UL Rating	UL 924 Wet	UL 924 Wet	UL 924 Wet	UL 924 Wet	UL 924 Wet, NEMA 4X	UL 924 Wet, NEMA 4X, HAZ option
Normally On	No	No	✓ (Standard)	✓ (Standard)	No	No
City of Chicago Compliant	No	✔ (Standard)	✓ (Standard)	✓ (Standard)	No	✓ (Standard)
Availability	Stock	Stock	Stock	Stock	Stock	Stock
Other			Architectural Look A/C on functionality: Dusk-to-dawn, switched on, always on, always off	Architectural Look A/C on functionality: Switched on, always on, always off		

LED Exit Products - Box Type

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	EXIT	EXIT										
on products learn more			(EXII)		EXIT	EXIT	EXIT	(EXIT)	EXIT	EXIT	< EXIT	EXIT
	EXIT	EXIT										UX HAZ
	APX	APC	LPX	LPXC	SLX	TPX	CX	LPXW	CHX	CHXC	PHL	UX NEMA 4X
Туре	Box	Combo	Box	Combo	Box	Thin Profile/Box	Box	Box	Box	Combo	Thin Profile/Box	Box
Material	Thermoplastic	Thermoplastic	Polycarbonate	Polycarbonate	Steel	Die Cast AL	Die Cast	Polycarbonate	Steel	Steel	Aluminum	Die Cast AL
Mounting	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface
Faces	Field Selectable	Field Selectable	Field Selectable	Field Selectable	Field Selectable	One or Two	Field Selectable	One or Two	One or Two	One or Two	One or Two	One or Two
Letter Color	Red or Green or	Red or Green or	selectable	selectable faces	selectable faces	Red or Green	selectable faces	Red or Green	Red	Red	Outline: Red or Green	selectable faces
Housing Color	WH, BK	WH, BK	WH, BK	WH, BK	White	AL, WH, BK	AL, WH, BK	AL, WH, BK	White	White	Aluminum	AL, WH, BK
Fire Alarm Interface	No	No	No	No	No	No	✓ (Option)	No	No	No	No	No
2nd Circuit (A/C Only)	(2C/2 Hot Option)	No	(Option)	No	✓ (Option)	No	✓ (Option)	No	No	No	No	✓ (Option)
Battery (In Self-Powered Models)	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	No	Nickel Cadmium
Self- Diagnostics	No	No	✓ (Option)	✓ (Option)	✓ (Standard)	No	✓ (Option)	✓ (Standard)	No	No	No	✓ (Standard)
Laser Test Capability	No	No	✓ (SD Models)	(SD, Remote Models	No	No	✓ (SD Models)	No	No	No	No	✓ (Standard)
EZ Key Battery Disconnect	No	No	✓ (SD Models)	SD Models	✓ (Standard)	No	✓ (SD Models)	No	✓ (Standard)	✓ (Standard)	No	No
Remote Capability	✓ (Option)	✓ (Option)	(Option)	✓ (Option)	No	No	No	No	No	No	No	No
UL Rating	UL 924 Damp	UL 924 Damp	UL 924 Damp	UL 924 Damp	UL 924 Damp	UL 924 Damp	UL 924 Damp	UL 924 Wet	UL 924 Damp	UL 924 Listed	UL 924 Listed	UL 924 Wet, NEMA4X/HAZ
City of Chicago Compliant	No	No	No	No	No	No	No	No	Yes	✓ (Standard)	No	No
Availability	Stock	Stock	Stock	Stock	Stock	Stock	Stock	Stock	Stock	Stock	Stock	Stock
Other	Contact factory for "2nd Circuit/2 Hot" models SALIDA face version available	17 feet of egress coverage SALIDA face version available		25 or 50 feet of egress coverage	Signage options available	Sutiable for floor proximity	Signage options available	Standard		2 x 300 lumen heads/60 feet egress coverage "Stair" signage available	Photoluminescent "Glow-in-the-Dark" yields 90 minutes of illumination	

LED Exits - Edge Lit

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	APXEL	ECHX	SCX	EU	EUX	ARCEL	ES	ELX
Housing Material	Polycarbonate	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Mounting	Surface	Universal	Universal	Surface / Recessed	Universal	Surface / Recessed	Surface / Recessed	Recessed
Pendant / Mullion Mount	No	No	No	(Pendant)	(Pendant, Mullion)	(Pendant, Mullion)	(Pendant, Mullion)	No
Faces	One or Two	One or Two	Unversal	Unversal	Unversal	One or Two	One or Two	One or Two
Letter Color	Red or Green	Red Only	Red or Green	Red or Green	Red or Green	Red or Green	Red or Green	Red or Green
Lens Panel Color	White	White	1 Face Clear 2 Faces Mirror	1 Face Clear 2 Faces Mirror	Field Configurable: Clear, White, Mirror	Clear, White or Mirror	Clear, White or Mirror	Clear, White or Mirror
Chevron / Arrows	Field Selectable	Factory Install	Field Selectable	Field Selectable	Field Selectable	Field Selectable	Factory Install	Factory Install
Housing Color	White	AL, WH	AL	AL	AL, WH, BK	AL, WH, BK*	AL, WH, BK, BZ, PA	AL, WH, BK
Custom Color Available	No	No	No	No	No	No	Contact Factory	No
Fire Alarm Interface	No	No	No	No	No	(Standard)	No	No
2nd Circuit (A/C Only)	No	No	No	✓ (2C/2 Hot Option)	(Option)	No	No	(Option)
Battery	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium
Self-Diagnostics	No	No	No	No	(Option)	(Standard)	No	No
EZ Key Battery Disconnect	No	No	No	No	(Standard)	(Standard)	No	No
Laser Test Capability	No	No	No	No	No	(Standard)	No	No
UL Rating	UL924 Damp	UL924 Damp	UL924 Damp	UL924 Damp	UL924 Damp	UL924 Damp	UL924	UL924
City of Chicago Compliant	No	✓ (Standard)	No	No	No	No	No	No
Availability	Stock	Stock	Stock	Stock	Stock	Stock/*MTO Black	MT0	MT0
Benefits	Value edge lit exit In Stock Self-adhesive field selectable chevrons = no ordering mistakes	City of Chicago Compliant Easy Ordering Process In Stock	Value edge lit exit Universal surface mounting and recessed mounting in one box Universal Faces In Stock Self-adhesive field selectable chevrons = no ordering mistakes	Better Aesthetics Universal Faces Self-adhesive field selectable chevrons = no ordering mistakes Contact factory for "2nd Circuit / 2 Hot" models	Better Aesthetics Universal Faces Self-adhesive field selectable chevrons = no ordering mistakes Labor savings self-diagnostics option	Best Aesthetics Slim profile, no visible screws Mulitple mounting options + square or round canopy for custom look Self-adhesive field selectable chevrons = no ordering mistakes Labor savings self-diagnostics standard Stocked product = faster time to site	Best Aesthetics Multiple mounting options Factory install chevrons for custom look MTO BAA Compliant	Best Aesthetics Recessed ceiling, wall, end mount Recessed mounting box for rough-in / new construction Factory install chevrons for custom look MTO

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	APWR	SRP	SRM	SRPA	
Material	Plastic	Polycarbonate	Sheet Metal	Polycarbonate	
Source	LED	LED	LED	LED	
Number of heads	1 or 2	1 or 2	1 or 2	2	
Adjustable	✓ (Standard)	✓ (Standard)	✓ (Standard)	✓ (with forward throw)	
Coverage	15 feet	13 to 60 feet	13 to 60 feet	29 feet	
Voltage input	3.6 volts	4.8 through 12 volts 4.8 through 12 volts		4.8 through 6 volt	
Color	White, Black	White, Black, Grey	White, Black, Grey	White, Black, Silver, Grey	
Temp Range	0° C to 40° C	-30° C to 60° C	-30° C to 60° C	-30° C to 55° C	
UL Rating	Wet location	Wet Location	Wet Location	Wet Location	
Availability	Stock	Stock	Stock	Stock	
Compatibility	Compatible with: All-Pro remote capable exits, combo & emergency lights	Compatible with: Sure-lites remote capable exits, combo and emergency lights	Compatible with: Sure-lites remote capable exits, combo and emergency lights	Compatible with: Sure-lites remote capable exits, combo and emergency lights	

Stock

Wattage Output

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				8		
	EBPLEDL7W	EBPLED-7.5WSD	EBPLEDLP-10WSD	EBPLEDL14W	EBPLEDC1LV-20W	EBPLEDC1HV-20W
Fixture Compatibility	LED	LED	LED	LED	LED	LED
Input Voltage	120/277 VAC	120/277 VAC	120/277 VAC	120/277 VAC	120/277 VAC	120/277 VAC
Power Output	7W	7.5W	10W	14W	20W	20W
Output Voltage	8VDC to 55VDC	15VDC to 50VDC	8VDC to 52VDC	16VDC to 55VDC	20VDC to 50VDC	125VDC to 200VDC
Battery	LiFePO ₄	NiCad	NiCad	LiFePO₄	NiCad	NiCad
Self-Diagnostics	No	✓ (Standard)	✓ (Standard)	No	No	No
Battery Disconnect	✓ (Standard)	No	No	✓ (Standard)	No	No
Temp Range	0°C to 55°C	0°C to 55°C	0°C to 55°C	0°C to 55°C	0°C to 55°C	0°C to 55°C
UL Rating	Field ¹	Factory or Field Install	Factory or Field Install	Field ¹	Factory or Field Install	Factory or Field Install

Stock

Notes: 1. Model EL7W and EL14W for factory install.

Availability

Stock

Stock

Stock

Stock

Lighting controls

Make your workspace work for you. Cooper Lighting Solution's connected lighting systems take the guesswork out of managing your facility, seamlessly adapting to patterns and preferences. With solutions that let you easily manage comfort, productivity and energy savings, it pays to be connected.

Lighting the spaces where we congregate - whether for work, for entertainment, education or services is fundamental to our experience and performance. Maximizing those interactions requires specific design, cost and efficiency considerations.



The product selection guides are simple yet powerful tools to help assist with product comparisons and selection based on features, performance and value.



Lighting Controls

р	Click on Connected product to learn more	WaveLinx Wireless	WaveLinx Wired
	Wired Switches	•	•
	Battery Switches	•	
	Wired Sensors	•	•
ENT	Battery Sensors	•	
EQUIPMENT	Wireless fixtures	•	
EQU	Sensor integrated fixtures	•	
	Switchpacks	•	•
	Receptacle Control	•	•
	Integration	•	•
NO	Traditional wiring	•	•
IATI	Modular Wiring System	•	•
INSTALLATION	Wireless communications	•	
Ž	Two wire communications	•	•
	AV integration	•	•
	BACnet	•	•
щ	OpenADR	•	•
SOFTWARE	Mobile App	•	•
OFT	Floorplan	•	
S	Alarms & Events	•	
	Energy Dashboard	•	
	API Integration	•	
	Office/ Private/ Open	•	•
SNO	Education/ Classroom	•	•
ATIC	Industrial/ Warehouse	•	•
APPLICATIONS	Outdoor Parking Lot	•	•
API	Outdoor Area Site	•	•
	Outdoor Parking Garage		•
	ASHRAE 90.1 2016	•	•
ODE	IECC 2018	•	•
	T24 2018	•	•

Why use Controls?



Rising conduit and wire costs

Conduit and copper has seen continued cost increase, as much as 22% over the past 12 months.

- Eliminate up to 60% of the wire runs
- · Less wire Less pipe



Shortage of qualified labor

80% of electrical contracting firms are reporting difficulty filling hourly craft worker positions and higher salaries.

- Save up to 45 minutes per control zone
- Less time Less people



Installation times

Get off the job at least 40% faster simple install and simple setup.

- More jobs with the same people means more money for you
- Faster install



Energy savings

How do you make sure you meet local code and provide energy savings to your customer?

- Network Lighting Controls (NLCs) provide 47-70% savings with integrated luminaire lighting controls
- Up to 70% energy savings



How do you keep up with the latest technology? Cooper Lighting Solutions provides local and classroom certification programs

- · Learn how the system works in as little as 2 hours
- · Simply mobile



Instructional videos

What if I need a tutorial on site? WaveLinx has fifteen, 5 minute videos that walk you through it.

- Free mobile app
- · Free training videos



Utility incentives

Many states provide rebate incentives for LED fixtures with integrated sensors.

- · Less material to install, and the rebate pays for it
- Incentives up to \$75 per fixture



Cybersecurity

Are you concerned with cybersecurity? Good, but know that WaveLinx has the UL2900-1 listing for Network Cybersecurity.

- · Help customers stay secure
- Peace of mind that the product is backed by UL for cybersecurity



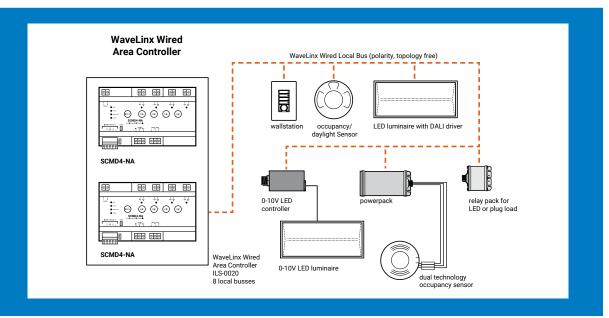
Wired or Wireless, code-compliant and cost-effective for today's

Electrician

Wired

Your wired solution to control complete building lighting via area (relay), zone (0-10v) or fixture (2-wire or DMX) all from one system.

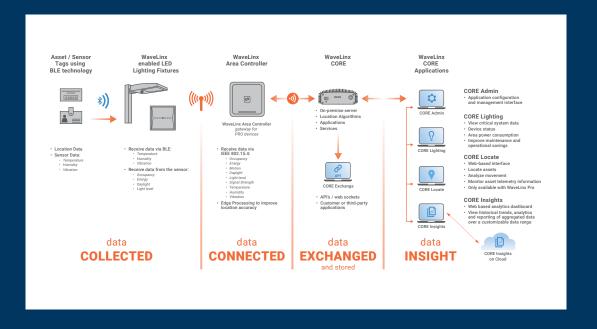
- Simplified control wiring
- Achieve more wired applications
- Control a floor or entire building



Wireless

Electrical Contractors use basic wiring practices they already know to complete projects and get off the job faster with the most comprehensive and cost effective system on the market.

- No special wiring required
- Get more jobs done faster
- Feel safe with industry best UL2900 listing
- Control a room, floor or entire building







Lighting Brands

Ametrix

AtLite

Corelite

Ephesus Fail-Safe

HALO

HALO Commercial

Invue

iΟ

Iris

Lumark

LumarkAP

Lumière

McGraw-Edison

Metalux

MWS

NeoRay Portfolio

PrentaLux - 3D Printed Lighting

RSA

Shaper

Streetworks

Sure-Lites

Controls Brands

Greengate

Fifth Light

Intelligent Lighting Controls

Connected Lighting Systems and Smart Spaces Platform

WaveLinx

Trellix Infrastructure



Cooper Lighting Solutions 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.cooperlighting.com

Canada Sales 5925 McLaughlin Road Mississauga, Ontario L5R 1B8 P: 905-501-3000 F: 905-501-3172 © 2025 Cooper Lighting Solutions All Rights Reserved Printed in USA Publication No. BR519040EN-web October 6, 2025 1:39 PM Cooper Lighting Solutions is a registered trademark.

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