

DESCRIPTION

The LCC Series Lab/Cleanroom LED Recessed Flat Panel is designed for use in critical environments, including cleanrooms and healthcare facilities. It is certified for ISO 5 environments and cETL Listed for Wet Locations. Offered in 1' x 4', 2' x 2', and 2' x 4' sizes, it provides static CCT between 2700K-5000K and lumen packages from 2,000 to 13,000 lumens. The LCC delivers high-performance illumination, easily installing in most T-bar grid ceilings.

SPECIFICATIONS

Construction:

- Cold rolled steel or aluminum enclosure
- Die-formed, TIG and spot welded
- Durable TGIC polyester powder coating featuring a 5-stage pre-treatment for superior adhesion and corrosion protection
- Available in White or Antimicrobial White Paint that inhibits growth of bacteria on the fixture surface
- Tested to 1,000 hours salt spray with 92% reflectance
- Closed-cell gasket completely seals the doorframe and the housing

Optics/LEDs:

- Clear or diffused lens for uniform LED diffusion
- Lumen packages from 2,000 to 13,000 lumens
- 2700K, 3000K, 3500K, 4000K, 5000K CCT
- CRI ≥ 82, optional 90 CRI (Option: 90)
- Efficacy up to 165 lumens per watt
- L70 > 100,000 hours

Electrical:

- Universal 120/277VAC, 50/60Hz
- 0-10V Dimming driver
- Power Factor ≥ 0.90
- 347-480VAC option (Option: HVS)

Installation:

- Recessed grid mounting
- Recessed design fits most standard T-bar grid ceilings

Options:

- Integral Battery Backup provides 14 watts of emergency illumination during power loss (Option: BB)
- High color-rendering LEDs with ≥90 CRI for improved color accuracy (Option: 90)

Testing & Compliance:

- cETL Listed for Wet Locations
- IP65 Rated
- ISO 5 Certified
- Buy American Act compliant
- Build America, Buy America Act compliant
- IC Rated
- Operating temperatures: -30°C to 50°C (-22°F to 122°F)

Warranty:

- Five Year Warranty (Terms and Conditions Apply)

Model: _____ Date: _____
Accessories: _____
Job Name: _____ Type: _____



APPLICATIONS

- Pharmaceutical
- Kitchen and Food Prep
- Biosafety and Containment
- Anterooms
- Isolation Areas
- Vivariums
- Cleanrooms
- Containment Areas
- Laboratories
- Research and Development
- Meat Processing Facilities



Specs at a Glance

Model	LCC-14	LCC-22	LCC-24
Wattage (W)*	12W - 25W	12W - 68W	12W - 81W
Lumens (lm)	2,000 - 5,000	2,000 - 9,000	2,000 - 13,000
Efficacy (LPW)	Up to 165		
CCT (K)	2700K, 3000K, 3500K, 4000K, 5000K		
CRI	≥82, Optional 90		
Input Voltage	120/277VAC, 50/60Hz		
Operating Temp	-30°C to 50°C (-22°F to 122°F)		
Certifications	cETL Listed for Wet Locations (IP65)		
Warranty	5 Years		

* Nominal Wattage, tested at 4000K CCT. See performance table for details.

Note: Environment and application will affect actual performance. Typical values and 25°C (77°F) used for testing. Specifications subject to change without notice.

ORDERING INFORMATION (Example: LCC-14-12-PA1-VS-1-27K-A-14-A-14-WH-BB)

Model	Size	Wattage	Lens	Voltage	Circuits	CCT
LCC	14 ¹ = 1' x 4'	12 = 12 Watt	PA1 = .125 Prismatic Acrylic	VS = 120/277VAC	1 = 1 Circuit	27K = 2700K
	22 ² = 2' x 2'	25 = 25 Watt	PA2 = .156 Prismatic Acrylic	HVS = 347-480VAC	2 = 2 Circuit	3K = 3000K
	24 = 2' x 4'	50 = 50 Watt	PA3 = .156 Prismatic Acrylic #19			35K = 3500K
		68 = 68 Watt	PA4 = .187 Prismatic Acrylic			4K = 4000K
		75 = 75 Watt	PC = Prismatic Inner with .125 Clear Outer Poly			5K = 5000K
		81 = 81 Watt	CP1 = .125 Clear Polycarbonate			
			CP2 = .250 Clear Polycarbonate			
			CPO1 = Clear .125 Polycarbonate Outer Lens			
			CPO2 = Clear .250 Polycarbonate Outer Lens			
			S = Satin Lens			
			SY = Symmetric Diffused DR Acrylic			

Housing Material	Housing Gauge Size	Door Material	Door Gauge Size	Finish	Driver
A ³ = Aluminum	14 = 14 Gauge	A ³ = Aluminum	14 = 14 Gauge	AM = Anti-Microbial White	BLANK = 0-10V Dimming Driver
C ⁴ = Cold Rolled Steel	20 = 20 Gauge	C ⁵ = Cold Rolled Steel	18 = 18 Gauge	WH = White	

Options (Factory Installed)	Notes
90 = 90 CRI	¹ Only available in 12 and 25 Watt
BB = 14 Watt Battery Backup	² Only available in 12, 25, 50 and 68 Watt
	³ Only available in 14 Gauge
	⁴ Only available in 20 Gauge
	⁵ Only available in 18 Gauge

PERFORMANCE DATA

Model	Wattage	CCT	Lumens	LPW	CRI
LCC-XX-12	12.5W	2700K	1820	146	≥82
LCC-XX-12	12.5W	3000K	1880	150	≥82
LCC-XX-12	12.5W	3500K	1940	155	≥82
LCC-XX-12	12.5W	4000K	2000	160	≥82
LCC-XX-12	12.5W	5000K	2060	165	≥82
LCC-XX-25	25W	2700K	3640	146	≥82
LCC-XX-25	25W	3000K	3760	150	≥82
LCC-XX-25	25W	3500K	3880	155	≥82
LCC-XX-25	25W	4000K	4000	160	≥82
LCC-XX-25	25W	5000K	4120	165	≥82
LCC-XX-50	50W	2700K	7280	146	≥82
LCC-XX-50	50W	3000K	7520	150	≥82
LCC-XX-50	50W	3500K	7760	155	≥82
LCC-XX-50	50W	4000K	8000	160	≥82
LCC-XX-50	50W	5000K	8240	165	≥82
LCC-XX-68	68.8W	2700K	10010	145	≥82
LCC-XX-68	68.8W	3000K	10340	150	≥82
LCC-XX-68	68.8W	3500K	10670	155	≥82
LCC-XX-68	68.8W	4000K	11000	160	≥82
LCC-XX-68	68.8W	5000K	11330	165	≥82
LCC-XX-75	75W	2700K	10920	146	≥82
LCC-XX-75	75W	3000K	11280	150	≥82
LCC-XX-75	75W	3500K	11640	155	≥82
LCC-XX-75	75W	4000K	12000	160	≥82
LCC-XX-75	75W	5000K	12360	165	≥82

PERFORMANCE DATA (continued)

Model	Wattage	CCT	Lumens	LPW	CRI
LCC-XX-81	81.3W	2700K	11830	146	≥82
LCC-XX-81	81.3W	3000K	12220	150	≥82
LCC-XX-81	81.3W	3500K	12610	155	≥82
LCC-XX-81	81.3W	4000K	13000	160	≥82
LCC-XX-81	81.3W	5000K	13390	165	≥82

DIMENSIONS

