



Project	
Notes	
Type	Date
Cat. No.	

LCB™ Series Recessed LED Center Basket Troffer

Description

The new Globalux LED Architectural LCB's fixture adopts the latest in optical and LED technology for use in many commercial applications. The LCB provides a very pleasant volumetric soft light that fills any interior space giving it a brighter, larger, more productive ambiance. The LCB Series is fully dimmable and are compatible with building controls, motion sensors, and daylight harvesting systems. The design of the LCB series panels produces an even and consistent shadow-less light. The LED's enable long life, high lumen maintenance, high CRI, are low maintenance, and constructed without hazardous materials. Designed to lay in drop ceilings such as in offices, schools, and healthcare applications.



Specification Features

Construction

Rugged construction, solid die formed, cold-rolled steel housing. All fixture surfaces powder coated after fabrication. Frosted acrylic diffuser provides even consistent light while reducing glare. Lens design and materials provide uniform appearance without pixelation.

Qualifications

All luminaires are built to UL 1598 and 2108 standards, and bear appropriate ETL labels. Wet location labeling is standard. Emergency equipped fixtures labeled UL924. Adheres to LM70, LM80, and TM21 industry standards. DesignLights Consortium® (DLC) Premium qualified product. Not all product variations are DLC Qualified. Please visit list at www.designlights.org/QPL to confirm which models are qualified.

Electrical

Equipped standard with 0-10V continuous dimming driver that works with any standard 0-10V control/dimmer. Long-Life LED's 60,000 hours at L80 with projected life over 100,000 hours for reduced life cycle maintenance costs.

Installation

Suitable for recessed mounting within T-Bar grid.

Warranty

5-year Limited Warranty. See warranty documentation for more information.

Options

Optional On/Off or Bi-Level motion sensor, high voltage transformers, emergency battery backups, whips and cords.

LCB Series

- 2l 8' < ci qlbl**
30W 3900 Lumens
- 2l 4' < ci qlbl**
40W 5200 Lumens

- Rated Life 60,000 hours
- Limited Warranty 5 years
- Efficacy Up to 130 LPW
- Continuous Dimming



Quick Ship/ DLC Listed

- LCB-22-30-MVD-835
- LCB-22-30-MVD-840
- LCB-22-30-MVD-850
- LCB-24-40-MVD-835
- LCB-24-40-MVD-840
- LCB-24-40-MVD-850

Ordering Information

Example: LCB-22-30-MVD-835

@ B	22	30	MVD	8	40	
Series LCB Recessed LED center Troffer	Form Facor 22- 2'x2' ² 24- 2'x4' ²	Rated Wattage <u>2l 8' < ci qlbl</u> 30-30W 3900 Lumens ² <u>2l 4' < ci qlbl</u> 40-40W 5200 Lumens ²	Driver Type MVD- 120-277V; 0-10V Dimming ²	CRI 8 80+ CRI	Color Temp 35 3500 K 40 4000 K 50 5000 K	
Options						
		Emergency Backup EML8 800lm EML16 1600lm	Accesories CS6-183-183-BL- 6' Cord 18-3 TO 18-3 SJT ENDS Black Finish SMK-22- 2'x2' Surface Mount Kit SMK-24- 2'x4' Surface Mount Kit		Mounting Accesories FW3- 6FT Flex 18/3 FW4- 6FT Flex 18/4 FK-22- 2'x2' Flange Kit FK-24- 2'x4'- Flange Kit	

Specifications and Dimensions subject to change without notice.

Performance Summary

Input Voltage	120V-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	> 130 LPW (typ.)
CRI	83+, R9 > 0
Available CCT ¹	3500K,4000K,5000K
Color Consistency ²	5-step MacAdam Ellipse
Rated Life	60,000 hours
L70 ³	> 72,000 hours or > 45,000
Power Factor	>0.997
THD	< 20%
Dimming	0-10V Continuous (10-100%)
Operating Temp.	-18°C to 40°C

Performance Data

Lens Type	Form Factor	Catalog No.	Rated Wattage (W)	Delivered Lumens	Efficacy (lm/W)
Frosted Acrylic	2'x2'	LCB-22-30-MVD-835	30	3900	130
	2'x4'	LCB-24-40-MVD-835	40	5200	130

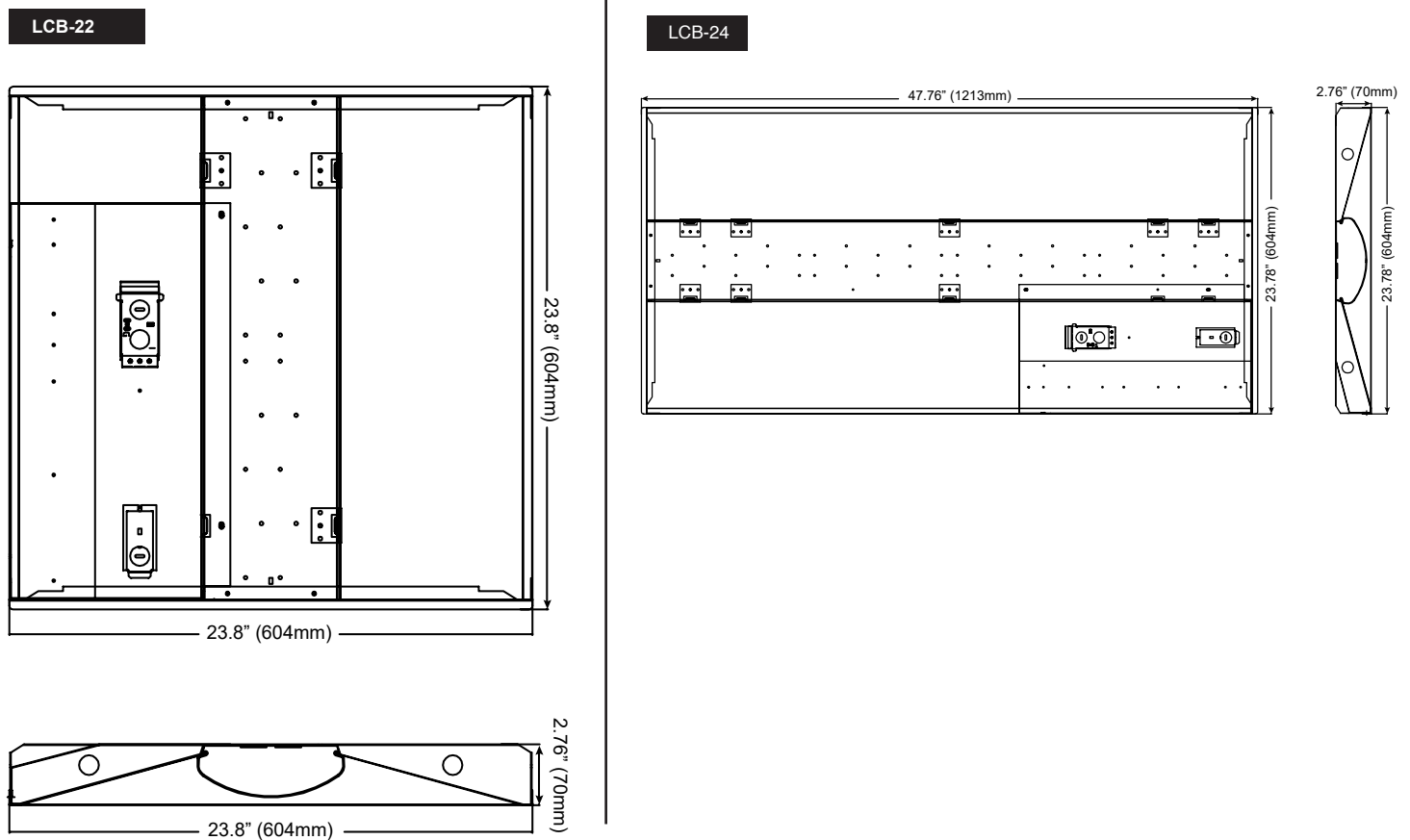
NOTES:

- ¹ Made to order items. Minimum 90 day lead time. Minimum 500 order quantity.
- ² DLC Listed
- ³ DLC Premium Listed
- ⁴ Quick ship: 3500K,4000K. Other CCTs may require a lead time or be special order
- ⁵ Typical color consistency, may vary or change.
- ⁶ L70 hours calculated based on LED package manufacturer LM80 report and ISTMT report of LED in luminaire. Stated values are for select catalog numbers. Contact GlobaLux for detailed information.
- ⁷ Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications and Dimensions subject to change without notice.



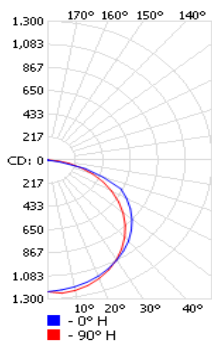
Product Dimensions



Photometric Data

LCB-22-40-MVD-835 Tested in accordance to IESNA LM-79

Polar Candela Curve



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	969.1	24.70%	24.80%
0-40	1,604.10	41%	41%
0-60	2,937.60	75%	75.10%
60-90	965.9	24.70%	24.70%
0-90	3,903.60	99.70%	99.80%

Coefficients of Utilization

RCC %:	80				70				50	
	70	50	30	0	70	50	30	0	50	30
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1	1.11	1.11
1	1.08	1.03	0.98	0.94	1.05	1.01	0.96	0.83	0.96	0.93
2	0.98	0.89	0.82	0.76	0.95	0.87	0.8	0.69	0.83	0.78
3	0.89	0.77	0.69	0.62	0.86	0.76	0.68	0.58	0.73	0.66
4	0.81	0.68	0.59	0.52	0.78	0.67	0.58	0.49	0.64	0.57
5	0.74	0.61	0.51	0.45	0.72	0.6	0.51	0.42	0.57	0.5
6	0.68	0.55	0.45	0.39	0.66	0.54	0.45	0.37	0.52	0.44
7	0.63	0.49	0.4	0.34	0.61	0.48	0.4	0.33	0.47	0.39
8	0.59	0.45	0.36	0.3	0.57	0.44	0.36	0.29	0.43	0.35
9	0.55	0.41	0.33	0.27	0.53	0.41	0.32	0.26	0.39	0.32
10	0.51	0.38	0.3	0.24	0.5	0.37	0.3	0.24	0.36	0.29

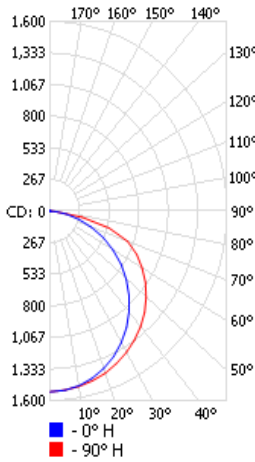
Effective Floor Cavity Reflectance: 20%

Specifications and Dimensions subject to change without notice.

Photometric Data

LCB-24-52-MVD-835 Tested in accordance to IESNA LM-79

Polar Candela Curve



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,207.20	24%	24%
0-40	2,005.30	39.90%	39.90%
0-60	3,707.10	73.70%	73.70%
60-90	1,302.50	25.90%	25.90%
0-90	5,009.60	99.60%	99.70%

Coefficients of Utilization

RCC %:	80				70				50			
	70	50	30	0	70	50	30	0	50	30		
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1	1.11	1.11		
1	1.08	1.02	0.98	0.94	1.05	1	0.96	0.82	0.96	0.92		
2	0.97	0.88	0.81	0.75	0.94	0.86	0.8	0.68	0.83	0.77		
3	0.88	0.77	0.68	0.61	0.85	0.75	0.67	0.57	0.72	0.65		
4	0.8	0.68	0.58	0.51	0.78	0.66	0.58	0.48	0.64	0.56		
5	0.74	0.6	0.51	0.44	0.71	0.59	0.5	0.42	0.57	0.49		
6	0.68	0.54	0.45	0.38	0.66	0.53	0.44	0.36	0.51	0.43		
7	0.63	0.49	0.4	0.33	0.61	0.48	0.39	0.32	0.46	0.38		
8	0.58	0.44	0.36	0.3	0.57	0.44	0.35	0.29	0.42	0.35		
9	0.54	0.41	0.32	0.26	0.53	0.4	0.32	0.26	0.39	0.31		
10	0.51	0.37	0.29	0.24	0.5	0.37	0.29	0.23	0.36	0.29		

Effective Floor Cavity Reflectance: 20%

Accessory Options



Cords and Whips

- FW3** 6' 3 Wire Fixture Whip with 1/2 Connector. in
- FW312** 12' 3 Wire Fixture Whip with 1/2 Connector. in
- FW4** 6' 4 Wire Flex/Whip_
- SM-22** 2x2 Surface Mount Shroud Kit for RLP, LTF Series Fixtures
- SM-24** 2x4 Surface Mount Shroud Kit for RLP, LTF Series Fixtures



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