GlobaLux LIGHTING

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 larger, brighter, and more productive ambiance and will be the perfect fit for any commercial or institutional application.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 in offices, schools, and healthcare applications.

LCB Series

2x2 Housing
30W 3900 Lumens
2x2 Housing
40W 5200 Lumens

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

CONTINUOUS DIMMING 0-10V Continuous

Specification Features

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

Certification
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) DLC qualified product. Not all models of this product may be DLC qualified. Please check the DLC Qualified Products 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.

Quick Ship

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

LCB	22	30	MVD	8	40	
Series	**Form Facor**	**Rated Wattage**	**Driver Type**	**CRI**	**Color Temp**	
LCB Recessed LED center Troffer	**22**- 2'x2'[2] **24**- 2'x4'[2]	**2x2 Housing** **30**-30W 3900 Lumens[2] **2x4 Housing** **40**-40W 5200 Lumens[2]	**MVD**- 120-277V; 0-10V Dimming [2]	**8** 80+ CRI	**35** 3500 K [2] **40** 4000 K [2] **50** 5000 K [2]	

Options

Emergency Backup	Controls	Accessories
EML8800lm **EML16** 1600lm	**MOS**- Integral Microwave Sensor, On/Off **MOSB**- Integral Bi-Level Microwave Sensor	**FW3**- Fixture Wip **FW4**- Fixture Wip

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.) 83+,
CRI	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:

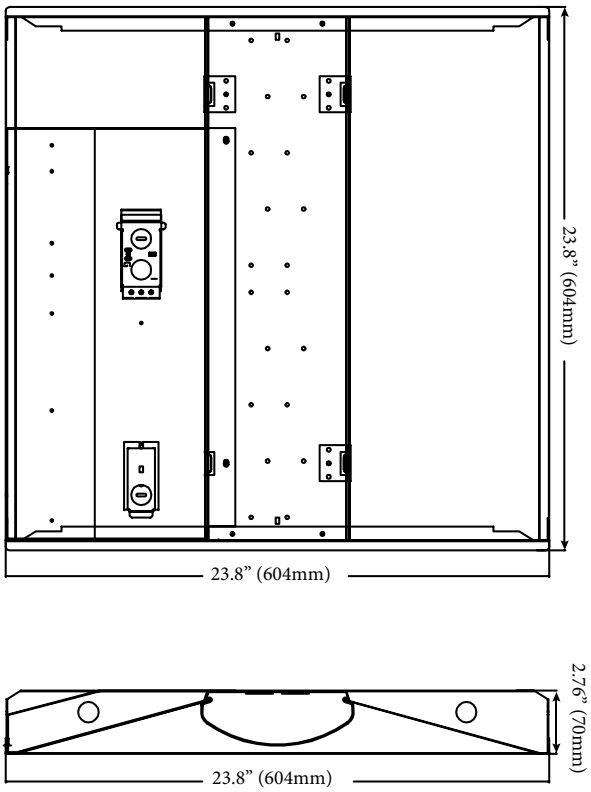
1. Made to order items. Minimum 90 day lead time. Minimum 500 order quantity.
2. DLC Listed
3. DLC Premium Listed
4. Quick ship: 3500K,4000K. Other CCTs may require a lead time or be special order
5. Typical color consistency. May vary or be changed.
6. L70 hours calculated based on LED package manufacturer 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.

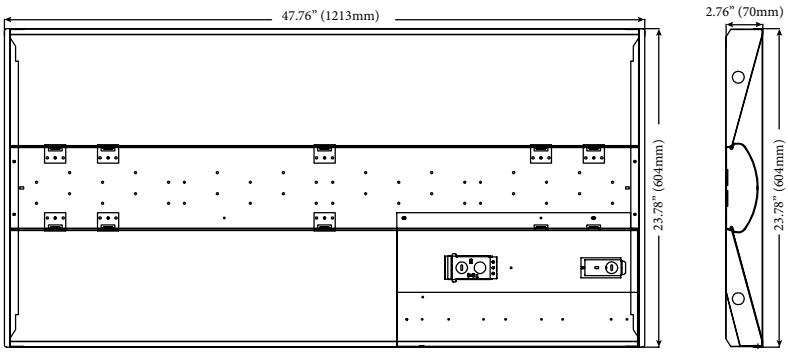
LCB™ Series

Product **Dimensions**

LCB-22



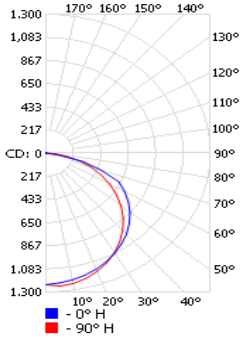
LCB-24



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 — Effective Floor Cavity Reflectance: 20%

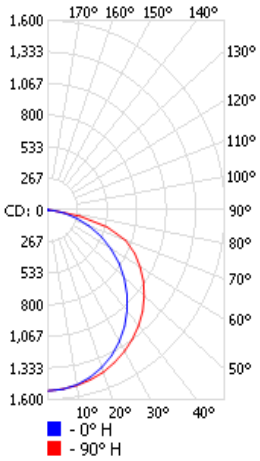
RCC %:	80				70				50	
RW %:	70	50	30	0	70	50	30	0	50	30
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1	1.11	1.11
1	1.08	1.03	0.98	0.94	1.05	1.01	0.96	0.83	0.96	0.93
2	0.98	0.89	0.82	0.76	0.95	0.87	0.8	0.69	0.83	0.78
3	0.89	0.77	0.69	0.62	0.86	0.76	0.68	0.58	0.73	0.66
4	0.81	0.68	0.59	0.52	0.78	0.67	0.58	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

Specifications and Dimensions subject to change without notice.

Photometric Data

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

Polor 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

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50	
RW %:	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

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 Seris Fixtures
SM-24 2x4 Surface Mount Shroud Kit for RLP, LTF Series Fixtures

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