

Catalog Number	
Project	Type

FEATURES & SPECIFICATIONS

APPLICATION — The high performance luminaire is designed for recessed applications where long life, low maintenance, and consistent color rendering is required. Areas with limited accessibility due to fixture location or where heavy pedestrian traffic makes maintenance difficult are ideal applications such as retail canopies.

CONSTRUCTION — The heavy duty housing is constructed of extruded aluminum. The optical assemblies are sealed in place using a silicone gasket for weather tight protection. Modular LED bricks wired in parallel for ease of maintenance. ETL listed for wet locations (IP64). Additional IP66 rating available upon request.

FINISH — A Super Durable Polyester powder coat finish is electrostatically applied in our state of the art paint facility. Standard colors available: Black, Bronze, US Green, White. Custom colors available upon request.

OPTICAL SYSTEM — Made with a state of the art UV stabilized acrylic high performance refractive optical assemblies that use high transmissivity materials to achieve precise photometric distributions. Available in Type II, III, IV, IV Automotive, V Medium and V Wide beam configurations.

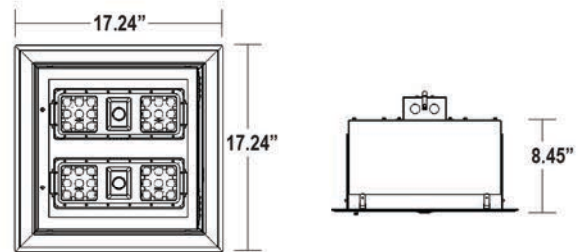
ELECTRICAL SYSTEM — Available in up to a 2 brick LED system in 5000K Cool White (+/- 500K) or 4100K Neutral White color temperatures propagated with Philips Lumileds LUXEON® Rebel LED's. Available with 90-300V 50/60 Hz Class II power supply. LED's rated up to 78,000 (B50 L70) hours for 850 mA operation and 103,000 (B50 L70) for 630 mA operation at 25°C ambient temperature. 480V input option available. Optional 0-10V dimming. Built-in surge protection up to 10 kV. Thermal protection is provided in the form of a dimming thermal foldback until fixture reverts back to the optimal operating temperature. Built-in Active PFC Function >95%/Full load. LED Power Supply conforms to UL1310 Class 2 and UL8750 standards and is IP67 rated for wet locations.

MOUNTING — The fixture is recess mounted using the trim ring provided for rough-in.

LISTINGS — LED Power Supply listed for wet locations (IP67). LED bricks ETL listed for wet locations (IP64). Meets US and Canadian safety standards. -40°C to 50°C ambient operation.



Square Recessed LED Canopy LRCL SERIES



Series	Housing Height	Length & Width
LRCL	8.45"	17.24" x 17.24"

ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

Example: **LRCL2C8T5WB1-WH DIM**

LRCL													
Series	# of Bricks	Color Temp		# LED's per Brick	Optics		Drive Current	Voltage	Finish				
LRCF	1 1 Brick	C	Cool White (5000K)	2	12 LED	T2	Type II	A	630mA Driver	1	Multi-Volt ¹	BK	Black
	2 2 Brick	N	Neutral White (4100K)	8	18 LED	T3	Type III	B	850mA Driver	2	480V	BZ	Bronze
						T4	Type IV			3	347V	GR	US Green
						T4A	Type IV Automotive					WH	White
						T5M	Type V Medium					SP	Special ²
						T5W	Type V Wide						

Accessories (Order as separate line items)

DIM³	Additional Input Ports for 0-10V Dimming
IP66⁴	Additional IP66 Fixture Rating
CLEB	Commercial LED 90-min Emergency Ballast

NOTES

- Multi-Volt is an auto ranging power supply from 90V to 300V input.
- Custom RAL color matching is available. Contact your Techlight sale representative for additional information.
- Dimming feature must be ordered prior to manufacture of fixture and cannot be field installed.
- Additional IP66 rating may not be changed once production has begun on the fixtures.

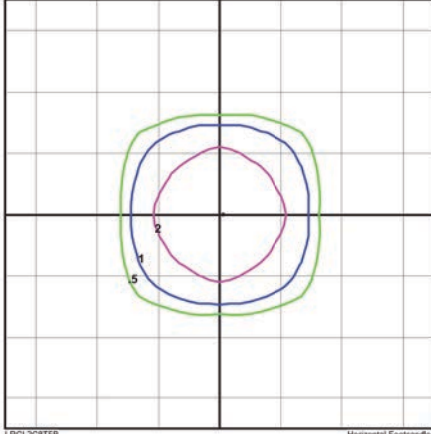
LRCL Square Recessed LED Canopy

PHOTOMETRICS

**IES INDOOR REPORT
PHOTOMETRIC
FILE NAME:
LRCL2C8T5WB1**

**Type V Wide Optical
Assembly
2 Brick, 850mA, Cool
White**

**98W LRCL Canopy
Color Temperature: 5,000 K**



LRCL2C8T5B

Horizontal Footcandles
Scale: 1 Unit = 30 Ft
Light Loss Factor = 2.00
Lumens Per Lamp = 220 (10) Lamps
Total Lamp Lumens = 3960
Mounting Height = 10.00 Ft
Maximum Calculated Value = 4.76 Fc
Arrangement: Single

LRCL Square Recessed LED Canopy

LUMINAIRE CHARACTERISTICS

Cool White (5000K) 630 mA Drive Current

# of LED Bricks	# of LEDs per Brick	Color Temp	Delivered Lumens					System Wattage	B50 L70 @ 25°C	Amperage Draw					
			TYPE II	TYPE III	TYPE IV	TYPE 5M	TYPE 5W			120V	208V	240V	277V	347V	480V
1 BRICK	12	CW	1958	2468	2470	2476	2443	28W	103K	.24 A	.14 A	.12 A	.11 A	.09 A	.07 A
	18	CW	2915	3674	3677	3687	3637	41W	103K	.35 A	.20 A	.18 A	.15 A	.14 A	.10 A
2 BRICK	12	CW	3916	4936	4940	4953	4885	55W	103K	.46 A	.27 A	.23 A	.20 A	.18 A	.13 A
	18	CW	5831	7349	7355	7374	7273	82W	103K	.69 A	.40 A	.35 A	.30 A	.27 A	.19 A

Cool White (5000K) 850 mA Drive Current

# of LED Bricks	# of LEDs per Brick	Color Temp	Delivered Lumens					System Wattage	B50 L70 @ 25°C	Amperage Draw					
			TYPE II	TYPE III	TYPE IV	TYPE 5M	TYPE 5W			120V	208V	240V	277V	347V	480V
1 BRICK	12	CW	2463	3104	3107	3115	3072	33W	78K	.28 A	.16 A	.14 A	.12 A	.11 A	.08 A
	18	CW	3645	4594	4598	4610	4547	49W	78K	.41 A	.24 A	.21 A	.18 A	.16 A	.12 A
2 BRICK	12	CW	4926	6208	6214	6230	6145	65W	78K	.55 A	.32 A	.28 A	.24 A	.21 A	.16 A
	18	CW	7290	9188	9196	9220	9094	98W	78K	.82 A	.48 A	.41 A	.36 A	.32 A	.23 A

Neutral White (4100K) 630 mA Drive Current

# of LED Bricks	# of LEDs per Brick	Color Temp	Delivered Lumens					System Wattage	B50 L70 @ 25°C	Amperage Draw					
			TYPE II	TYPE III	TYPE IV	TYPE 5M	TYPE 5W			120V	208V	240V	277V	347V	480V
1 BRICK	12	NW	1886	2377	2379	2385	2352	28W	103K	.24 A	.14 A	.12 A	.11 A	.09 A	.07 A
	18	NW	2807	3538	3541	3551	3502	41W	103K	.35 A	.20 A	.18 A	.15 A	.14 A	.10 A
2 BRICK	12	NW	3771	4753	4757	4770	4705	55W	103K	.46 A	.27 A	.23 A	.20 A	.18 A	.13 A
	18	NW	5615	7077	7083	7101	7004	82W	103K	.69 A	.40 A	.35 A	.30 A	.27 A	.19 A

Neutral White (4100K) 850 mA Drive Current

# of LED Bricks	# of LEDs per Brick	Color Temp	Delivered Lumens					System Wattage	B50 L70 @ 25°C	Amperage Draw					
			TYPE II	TYPE III	TYPE IV	TYPE 5M	TYPE 5W			120V	208V	240V	277V	347V	480V
1 BRICK	12	NW	2372	2989	2992	3000	2959	33W	78K	.28 A	.16 A	.14 A	.12 A	.11 A	.08 A
	18	NW	3510	4424	4428	4439	4379	49W	78K	.41 A	.24 A	.21 A	.18 A	.16 A	.12 A
2 BRICK	12	NW	4744	5979	5984	5999	5917	65W	78K	.55 A	.32 A	.28 A	.24 A	.21 A	.16 A
	18	NW	7020	8848	8856	8879	8758	98W	78K	.82 A	.48 A	.41 A	.36 A	.32 A	.23 A

BUG RATINGS (BACKLIGHT, UPLIGHT AND GLARE)

Optic Type	BUG Ratings		
	B (Backlight)	U (Uplight)	G (Glare)
Type II (T2)	1	0	1
Type III (T3)	1	0	1
Type IV (T4)	1	0	1
Type V Medium (T5M)	2	0	1
Type V Wide (T5W)	3	0	1

WARNING: Maintenance performed including the replacement of LED bricks while power is still supplied to the luminaire may result in system failures and will void the warranty.