TECHLIGHT
INNOVATION IN ILLUMINATION

CPR45 SERIES

Canopy Pro Retrofit 45

Catalog Number	
Project	Type

SERIES	HOUSING HEIGHT	LENGTH & WIDTH
CPR45	4.42”	26.75” x 14.26”

FEATURES & SPECIFICATIONS

APPLICATION — The CPR45 Canopy Pro Retrofit 45 is a high-performance recessed canopy luminaire designed to seamlessly retrofit into existing LRCF Series mounting footprints. Ideal for Whataburger restaurant drive-thrus and other high-traffic retail canopy environments, this fixture offers advanced energy efficiency, long life, and consistent color rendering in challenging and low-access maintenance zones.

CONSTRUCTION — The CPR45 reuses the proven extruded aluminum housing from the LRCF Series for streamlined retrofit installation. The new modular LED assemblies utilize sealed silicone gaskets for weather-tight protection. Modular LEDs snap in place for ease of maintenance. The LED module system is tool-less and easily replaceable. ETL listed for wet locations (IP65).

FINISH — Each fixture is treated with a Super Durable Polyester powder coat finish applied electrostatically in a state-of-the-art facility. Standard colors include Black, Bronze, US Green, and White. Custom colors available upon request.

OPTICAL SYSTEM — The CPR45 integrates 45 Seoul Y22 LEDs across a UV-stabilized, high-transmittance polycarbonate optical platform. Precision-molded refractive lenses ensure high uniformity and target illumination. Beam distribution options include Type V Medium and V Wide.

ELECTRICAL SYSTEM — Utilizing a 2-module Seoul Y22 LED array, the CPR45 offers color temperatures of 5000K (Cool White), 4000K (Neutral White), and 3000K (Warm White). Operates from 90–300V 50/60 Hz input with optional 347/480V configurations. Standard 0–10V dimming and 10 kV surge protection are included. Power supply features Active Power Factor Correction (>95% at full load) and meets UL1310 Class 2 and UL8750 safety standards. Power supply is IP67 rated.

MOUNTING — Designed to recess into existing LRCF ceiling cutouts using the included trim ring for quick and accurate retrofits. Ideal for legacy canopy locations with preconfigured openings.

LISTINGS — Power supply listed for wet locations (IP67). LED module system listed to ETL wet location standards (IP64). Rated for ambient operating temperatures from -40°C to 50°C. Meets all applicable U.S. and Canadian safety standards.

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:
CPR45 2 C 14L T5W 1 WH

CPR45						
SERIES	# OF MODULES	COLOR TEMP	NOMINAL LUMENS	OPTICS	VOLTAGE	FINISH
	1 = 1 Module[3] (3L-10L ONLY)	**C** = Cool White (5000K) **N** = Neutral White (4000K) **W** = Warm White (3000K)	1 Module Options: **3L** = 3,000 Lumens **4L** = 4,000 Lumens **6L** = 6,000 Lumens **8L** = 8,000 Lumens **10L** = 10,000 Lumens	**T5M** = Type V Medium **T5W** = Type V Wide	**1** = Multi-Volt[1] **2** = 347-480V	**BZ** = Bronze **BK** = Black **GR** = US Green **WH** = White **SP** = Special[2]
	2 = 2 Module[4] (8L-20L ONLY)		2 Module Options: **12L** = 12,000 Lumens **14L** = 14,000 Lumens **16L** = 16,000 Lumens **18L** = 18,000 Lumens **20L** = 20,000 Lumens			

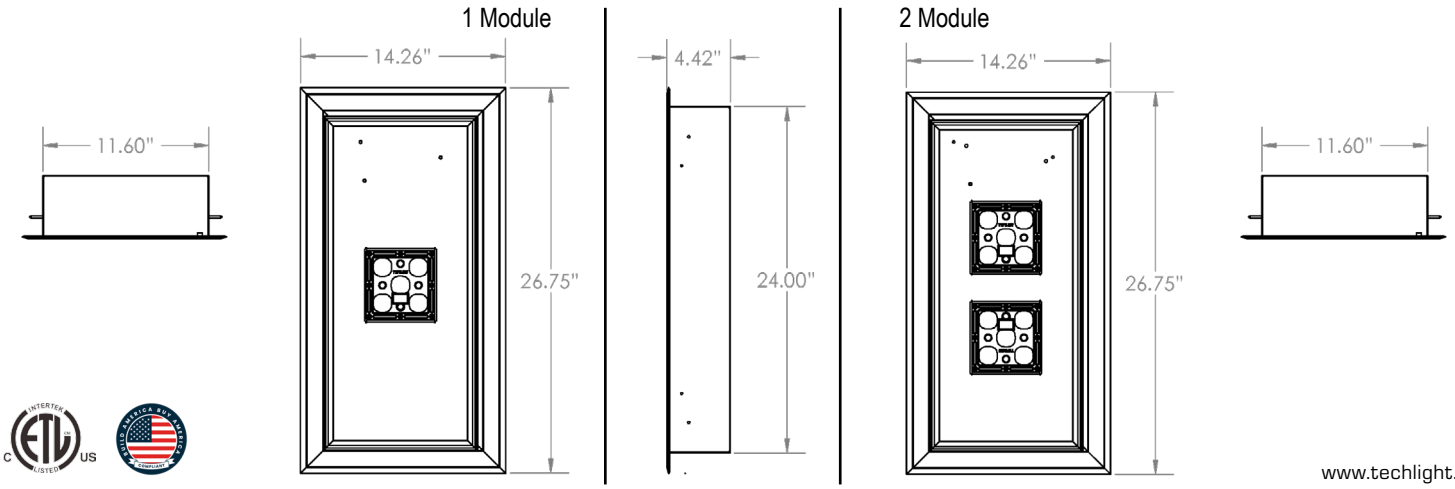
OPTIONS (Order as separate line items)

EM LED 90-min Emergency Light

NOTES

1 = Multi-Volt is an auto ranging power supply from 100V to 300V input.
2 = Custom RAL color matching is available. Contact your sales representative for additional info.
3 = 1 Module CPR45 Lumen Options are limited to 3L - 10L.
4 = 2 Module CPR45 Lumen Options are limited to 8L - 20L.

FIXTURE DIMENSIONS Dimensions shown are for fixture bodies only. Mounting options must be ordered separately.



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CPR45 CANOPY PRO RETROFIT 45

LUMINAIRE CHARACTERISTICS

1 Module Unit Data (5000K & 4000K - CCT)

Nominal Lumens	System Watts	T5W		T5M		System Watts	Amperage Draw					
		Delivered Lumens	Lumens/ Watt	Delivered Lumens	Lumens/ Watt		120V	208V	240V	277V	347V	480V
2L	15	2,010	134	2,210	143	15	0.125	0.07	0.06	0.05	0.04	0.03
4L	30	3,990	133	4,230	141	30	0.25	0.14	0.13	0.11	0.09	0.06
6L	47	5,875	125	6,320	135	47	0.40	0.23	0.20	0.17	0.14	0.10
8L	65	7,800	65	8,385	129	65	0.54	0.31	0.27	0.23	0.19	0.14
10L	83	9,547	115	10,330	125	83	0.69	0.40	0.35	0.30	0.24	0.17

2 Module Unit Data (5000K & 4000K - CCT)

Nominal Lumens	System Watts	T5W		T5M		System Watts	Amperage Draw					
		Delivered Lumens	Lumens/ Watt	Delivered Lumens	Lumens/ Watt		120V	208V	240V	277V	347V	480V
8L	55	8,085	147	-	-	55	0.46	0.27	0.23	0.2	0.16	0.11
	50	-	-	8,010	160	50	0.42	0.24	0.21	0.18	0.14	0.1
10L	71	10,295	145	-	-	71	0.6	0.34	0.3	0.26	0.2	0.15
	64	-	-	10,112	158	64	0.53	0.31	0.27	0.23	0.18	0.13
12L	85	12,155	143	-	-	85	0.71	0.41	0.35	0.31	0.24	0.18
	78	-	-	12,168	156	78	0.65	0.38	0.33	0.28	0.22	0.16
14L	100	14,100	141	•	•	100	0.83	0.48	0.42	0.36	0.29	0.21
	93	-	-	14,322	154	93	0.78	0.45	0.39	0.34	0.27	0.19
16L	116	16,100	140	-	-	116	0.96	0.56	0.48	0.42	0.33	0.24
	108	-	-	16,416	152	108	0.9	0.52	0.45	0.39	0.31	0.23
18L	131	18,078	138	-	-	131	1.09	0.63	0.55	0.47	0.38	0.27
	123	-	-	18,450	150	123	1.03	0.6	0.51	0.44	0.35	0.26
20L	147	19,861	135	-	-	147	1.2	0.71	0.61	0.53	0.42	0.31
	138	-	-	20,286	147	138	1.15	0.66	0.58	0.5	0.4	0.29