

CB30 White Modules

Edge Lighting



Key Features

- **Ultra-Long-Life:** LED modules provide exceptional illumination at excellent value.
- **Mounting Versatility:** Ideal for 4"-8" deep cabinet/box signs and useful for installation along the sides or returns.
- **Convenient Configuration:** 20 modules per string for straightforward project planning.
- **Module Spacing:** 188mm (7.40 in.) CTC.

Electrical

- **Voltage:** 12 VDC constant voltage.
- **Operating Temperature:** -25°C to 50°C (-13°F to 122°F).
- The module chain can be cut and separated between individual LED modules.

Mounting

- **Easy Mounting:** Peel-and-stick VHB Tape or mechanical screw fastening.

Construction

- **Module Housing:** White housing with fully integrated heat sink for thermal management.
- **IP66 Rated:** Suitable for dry/damp and wet locations (water resistant, non-submersible).
- **High-Transmittance Lens:** Maximizes usable light output for efficient illumination.
- **Module Dimensions (LxWxH):** 1.48 in. x 1.16 in. x 0.54 in.

Optics

- **Colors/Color Temperature:** 4000K, 5000K, and 6500K CCT (minimum 70 CRI).
- **Beam Angle:** 18°x40° optical lens technology.
- **Lumen Maintenance:** 200,000 hours (L70).¹

Warranty

- Backed by US LED's industry-leading Ten-Year Sign Lighting Warranty.

Ordering Information

CB30			
Series	# of LEDs Per Module	Voltage	CCT
1	1 LED	12 12VDC	W40 4000K W50 5000K W 6500K

Project	Date
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Catalog Number	Type
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Product Performance Summary

Input Voltage	12 VDC
Power	2.4W Per Module
Light Output	200 lm Per Module
Available CCT	4000K / 5000K / 6500K
Efficacy	~ 83 lm/W
CRI	≥ 70 CRI
Beam Angle	18° x 40°
Module Dimensions	1.48 in. x 1.16 in. x 0.54 in.
Module Spacing	188mm (7.40 in.) CTC
Product Warranty	Ten-Year Warranty

Product Overview

CB30 LED modules deliver bright, consistent illumination for cabinets, light boxes, and other sign lighting applications. High-efficiency LEDs and advanced optical lensing create an edge-focused beam pattern that distributes evenly across cabinets of different depths and sizes. Its compact design supports fast installation and works in side- and return-mount applications. With cost-effective performance and an IP66 rating, CB30 modules are a go-to solution for a wide range of projects.

Product Applications

- Single- or double-sided sign cabinets
- Light boxes of different depths and shapes
- Large stroke channel letters

Product Certifications

- UL Recognized (USA/Canada)
- Suitable for Wet Locations
- IP66 Rated



Example: CB30-1-12-W

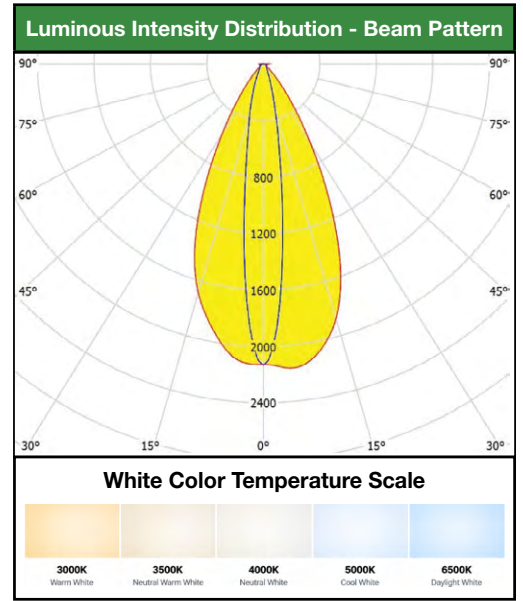
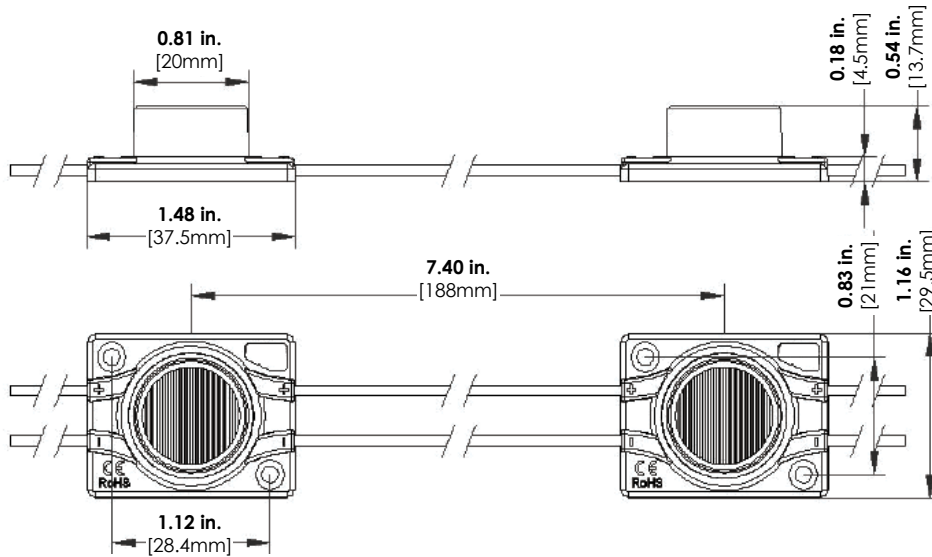
CB30 Accessories	
PSB-1-12-12	US LED Class 2 Power Supply 12V 12W IP66 Rated
PSB-1-12-60	US LED Class 2 Power Supply 12V 60W IP66 Rated
PS2-1-MA	Life Extender Power Supply Enclosure Natural Galvanized
WCC-2-50	Wire Management Clips 50 Qty.

¹. US LED product 'Lifetimes' refer only to the LED light engine, not the power source, and are based on the Illuminating Engineering Society's TM21 Projected Lumen Maintenance methodology at a 25° C / 77° F ambient temperature. The lifetimes are solely meant to be a guide for expected LED degradation and not a warranty or predictive of their actual life, which can be affected by ambient temperatures and other factors.

CB30 White Modules

Sign Cabinet Lighting

Dimensions



Performance Data

Module Part Number	CCT	Module Spacing (Center-To-Center)	# Modules Per Foot	Module Power	Power Density	Lumens Per Module	Lumens Per Foot	Efficacy	CRI	Calculated L70 Lifetime
CB30-1-12-W40	4000K	188mm [7.40 in]	1.62	2.4W	3.9W/ft.	200 lm	324 lm/ft	83.3 LPW	≥ 70 CRI	200,000 Hours
CB30-1-12-W50	5000K	188mm [7.40 in]	1.62	2.4W	3.9W/ft.	200 lm	324 lm/ft	83.3 LPW	≥ 70 CRI	
CB30-1-12-W	6500K	188mm [7.40 in]	1.62	2.4W	3.9W/ft.	200 lm	324 lm/ft	83.3 LPW	≥ 70 CRI	

Power Supply Loading

Power Supply Part Number	Output Voltage & Wattage	Maximum # of Modules Per Power Supply	Total System Power	Total Delivered Lumens	Maximum Run Length
PSB-1-12-12	12V/12W	4 Qty.	9.6W	800 lm	2.47 ft
PSB-1-12-60	12V/60W	20 Qty.	48.0W	4,000 lm	12.3 ft

Packaging Information

Anti-Static Bag Specifications		Inner Case Specifications		Master Case Specifications		Pallet Specifications	
Quantity	100 Modules	Quantity	600 Modules	Quantity	1,200 Modules	Quantity	50,400 Modules
# of Strings	5 Qty.	Weight	18.5 lbs [8.4 kg]	Weight	38.6 lbs [17.5 kg]	Weight	1,675.5 lbs [760 kg]
Total Feet	62.5 ft	Dimensions	14.9 in x 9.1 in x 8.7 in	Dimensions	19.7 in x 15.7 in x 9.8 in	Dimensions	3.9 ft x 3.3 ft x 6.6 ft