

LightBAR™ TECHNOLOGY

ENERGY SAVINGS + ENVIRONMENTAL STEWARDSHIP

The simplest and most effective way to reduce a lighting fixture's impact on the environment is to minimize its energy consumption. By incorporating Cooper Lighting's patented LED LightBAR™ technology, Concise LED provides energy savings between 30–75% over standard HID sources.

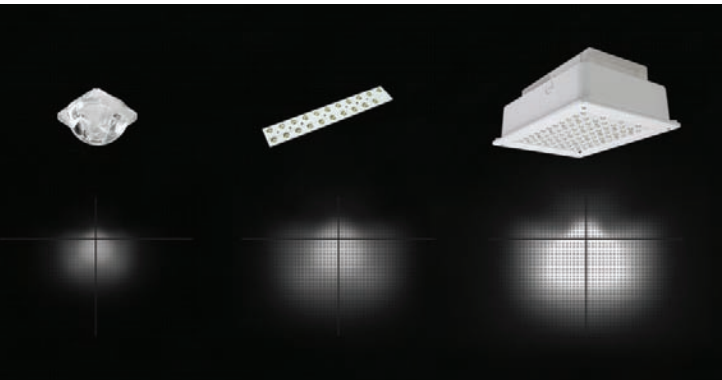
LONG LIFE

With a 50,000+ hour rated life at 70% lumen maintenance, Concise LED operates six [6] times longer than traditional Metal Halide solutions.



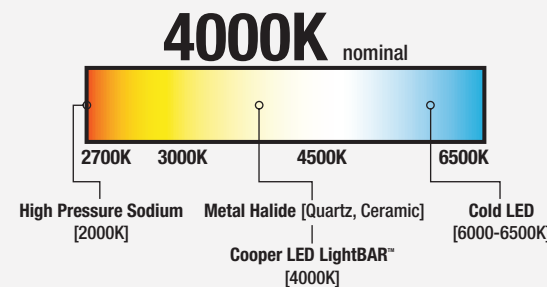
PATENTS PENDING

SCALABLE ILLUMINATION



Each patented LED LightBAR™ optic renders the entirety of the pattern. As the number of LightBARS™ increases so too the application illuminance, allowing lumen and energy output to be scaled and optimized per application. Obtrusive glare and spill light is replaced by uniform, application specific illumination.

WARM WHITE COLOR



Lighting Designers, Architects and Specifying Engineers have long preferred light sources which provide a balanced spectral power distribution and warm white light. Typical LED solutions standardize on a cold blue 6000–6500K correlated color temperature [CCT] to maximize lumen output. Concise LED provides warm white light at a standard 4000K CCT with no sacrifice in lumen output.

AccuLED Optics™



SUPERIOR EFFICIENCY + CONTROL

With efficiencies as high as 95%, patented AccuLED Optics™ are as much as 30% more efficient than traditional HID optical systems. Available in twelve [12] beam distributions, AccuLED Optics™ provide the flexibility and performance required for any outdoor application.

CONCISE LED

ORDERING INFORMATION

SAMPLE NUMBER: CNC-B04-LED-E1-SQ-TW

PRODUCT FAMILY	NUMBER OF LIGHTBARS ^{1,2}	LAMP TYPE	VOLTAGE	DISTRIBUTION	COLORS	OPTIONS + ACCESSORIES
CNC=Concise Canopy	B01=[1] 21 LED LightBAR ³ B02=[2] 21 LED LightBARS B03=[3] 21 LED LightBARS B04=[4] 21 LED LightBARS	LED=Solid State Light Emitting Diodes	E1=Electronic [120-277V] 347=347V 480=480V	T2=Type II T3=Type III T4=Type IV CQ=Concentrated Type V Square SQ=Type V Square WQ=Wide Type V Square GL2=Type II w/Glare Control GL3=Type III w/Glare Control GL4=Type IV w/Glare Control CPL=90° Forward Throw Perimeter Left CPR=90° Forward Throw Perimeter Right RW=Rectangular Wide	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic TW=True White	[see below]

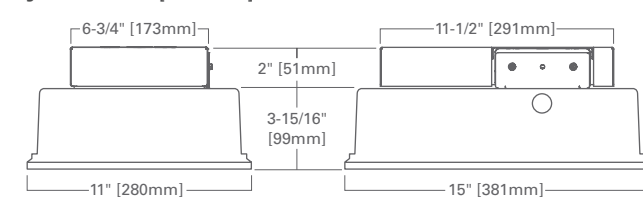
OPTIONS + ACCESSORIES [Must be listed in the order shown and separated by a dash]

OPTIONS ⁴	ACCESSORIES ¹²
2L=Bi-Level Switching Capable ⁵ WM=Wall Mount HA=50°C High Ambient Temperature Rating ⁶ L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right TR=Tamper Resistant Fasteners SM=Surface Mount ⁷ 7060=70 CRI / 6000K CCT ⁸ 8030=80 CRI / 3000K CCT ⁸	LCF=LightBAR Cover Plate Matches Housing Finish ICP=Integral Cold Weather Battery Pack [specify 120 or 277V] ^{9,10} OSX=Integral Occupancy Sensor ¹¹ MA1253=10kV Circuit Module Replacement

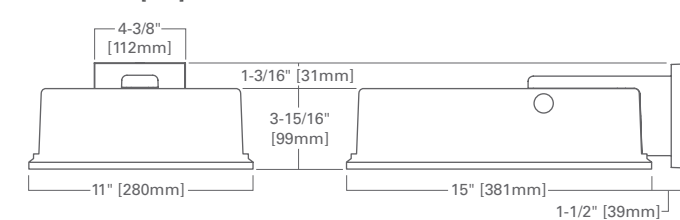
NOTE: 1 Standard 4000K CCT nominal 70 CRI. 2 21 LED LightBAR powered at 350mA, 7 LED LightBAR powered at 1A. 3 Not available w/ 2L Bi-level switching option. 4 Add as suffix. 5 Available in models with B02 or C02, B03 or C03, and B04 or C04. Low-level output varies by bar count specified. Consult Factory. 6 Not available in models with B04 and C04. 7 Surface mount configuration limited to 25°C ambient conditions. 8 Consult Factory for lead times and lumen multiplier. 9 Available with B01 and C01 configurations only. Rated for 25°C ambient operating temperature. 10 Must specify voltage 120 or 277V. 11 Housed in external box mounted to the luminaire. Available in B02-B04 configurations. Replace X with number of BARS (i.e., OS2). Default time delay setting is 15 minutes. Standard lens covers up to 12' mounting height, 360° and maximum 20' diameter. For other configurations, consult Customer Service. 12 Order separately. 13 Specifications and dimensions subject to change without notice.

DIMENSIONS

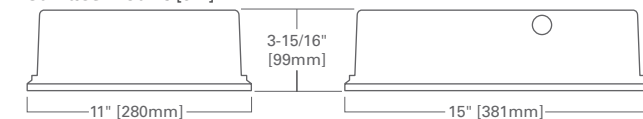
J-Box Mount [Standard]



Wall Mount [WM]



Surface Mount [SM]



CERTIFICATIONS

UL and cUL Listed
ISO 9001
IP66 LightBARS
ARRA Compliant

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz, 480V/60Hz
40°C Ambient Temperature Rating
-30°C Minimum Temperature

AMBIENT DATA

Ambient Temperature	Lumen Multiplier
10°C	1.04
15°C	1.03
25°C	1.00
40°C	0.96
50°C	0.92

SHIPPING DATA

Approximate Net Weight
4 Bars 16 [8 kgs.]



25% PCRF

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McGraw-Edison



Sustainable Design

Concise LED
Canopy Luminaire



INNOVATION CENTER



INNOVATION IN ACTION



BEST-IN-CLASS DESIGN + RELIABILITY



The Cooper name has stood for innovation, service and expertise for over 175 years. Today, Cooper Lighting's LED Innovation Center is home to the design, validation and manufacturing of proprietary LED technologies. Through changing times and technologies, Cooper answers the call to provide relevant, industry-leading solutions to evolving market needs.

Precision design practices and rigorous reliability testing result in dependable luminaires that thrive in outdoor environments. Concise LED is rated for operation in -30°C to 40°C ambient environments [for 50°C ambient, specify HA option], comes equipped with 10kV transient surge protection and is backed by a five-year warranty from a world class manufacturer.

FEATURES + BENEFITS

CONSTRUCTION + FINISH

One piece, die-cast aluminum housing features heavy wall construction for superior heat transfer and reliable operation in -30°C to 40°C ambient conditions. [For 50°C ambient, specify HA option]. Formed aluminum doorframe is secured via four [4] stainless steel captive fasteners and is recessed for clean mating of door to housing. Optional tamper proof Torx™ head fasteners [TR] offer vandal resistant access to the electrical compartment. Concise LED is finished in Super TGIC polyester powder coat paint. Six [6] standard colors. RAL and custom colors available. Fixture shown in True White [TW] finish.

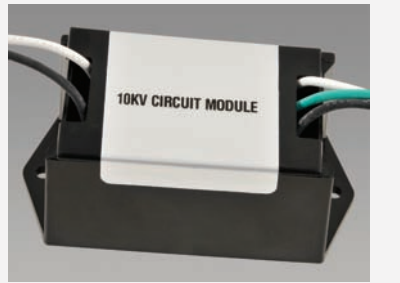


ACCULED OPTICS™

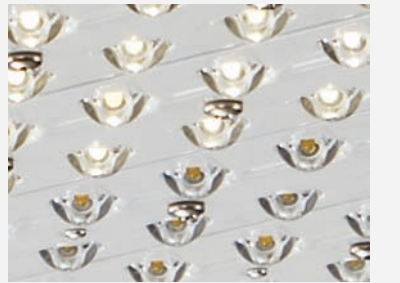
AccuLED Optics™ provide shaped distributions and scalability to meet exacting application requirements. Concise LED is offered in 1-4 LightBAR™ configurations with a choice of twelve [12] high efficiency optical systems, including a family of glare light eliminator optics [GL] that shield high angle light from oncoming drivers and pedestrians. Optional factory-set optic rotation [L90 or R90] allows uniform product orientation on the site independent of optical orientation. LightBARs feature an IP66 enclosure rating.

POWER AND LUMENS BY NUMBER OF LIGHTBARS

Number of LightBARs	Power [Watts]	DISTRIBUTION										
		T2	T3	T4	GL2	GL3	GL4	CQ	SQ	WQ	RW	CPL/CPR
7 LED LIGHTBAR												
C01	27	1,886	1,858	1,842	1,869	1,895	1,842	1,959	1,929	1,965	1,866	1,742
C03	54	3,743	3,687	3,655	3,708	3,761	3,655	3,886	3,827	3,899	3,702	3,457
C03	77	5,514	5,431	5,385	5,463	5,540	5,384	5,725	5,638	5,744	5,454	5,093
C04	101	7,334	7,224	7,163	7,266	7,369	7,161	7,615	7,499	7,640	7,254	6,774
21 LED LIGHTBAR												
B01	27	2,320	2,285	2,266	2,299	2,331	2,266	2,409	2,373	2,417	2,295	2,143
B03	51	4,604	4,534	4,496	4,561	4,625	4,495	4,780	4,707	4,796	4,554	4,252
B03	73	6,782	6,680	6,624	6,719	6,814	6,622	7,042	6,935	7,065	6,708	6,264
B04	95	9,021	8,885	8,810	8,938	9,064	8,808	9,366	9,224	9,397	8,923	8,332



SURGE SUPPRESSION
Concise LED is shipped standard with a replaceable circuit module [MA1253] incorporating internal fusing and MOVs designed to withstand 10kV of transient line surge.



ENERGY SAVINGS SOLUTIONS
Concise LED provides up to 75% energy savings over traditional sources when utilizing equivalent LED LightBAR configurations in conjunction with optional bi-level switching [2L]. LightBAR™ additive design technology allows for the reduction of luminaire power consumption without impacting the overall shape or directionality of the distribution, closely maintaining lighting uniformity levels.

MOUNTING VERSATILITY

Standard fixture mounts to a square or octagonal 4" surface or recessed mount j-box via heavy gauge painted quick mount box complete with toolless removable cable allowing for hands-free fixture wiring. Optional mounting methods include wall mount and direct lag surface mount configurations.



WALL MOUNT [WM]
Optional wall mount arm creates a uniform aesthetic with matching path and perimeter luminaires. Supplied with a j-box adapter and quick mount plate for ease of installation and wiring inspection.



SURFACE MOUNT [SM]
For direct lagging of the cast housing to a ceiling surface using anchors [supplied by others], cast in knock outs and 3/4" threaded conduit taps allow power to be routed to the fixture top or side. 25°C maximum ambient, not rated for through branch wiring.