LIGHTBAR™ TECHNOLOGY

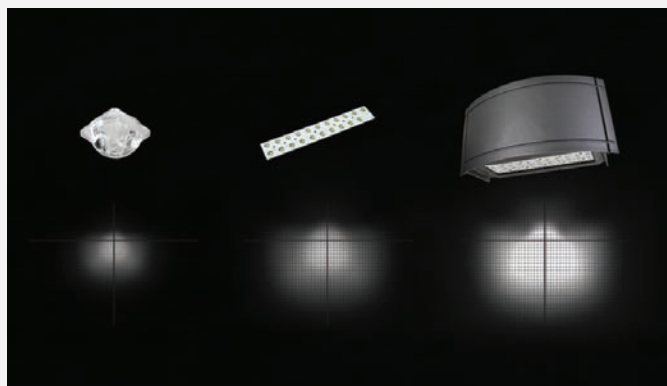## ENERGY SAVINGS + ENVIRONMENTAL STEWARDSHIP

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, Entri LED provides energy savings between 40-72% over standard HID and CFL sources.

LONG LIFE

With a 50,000+ hour rated life at 70% lumen maintenance, Entri LED operates six (6) times longer than traditional Metal Halide sources.
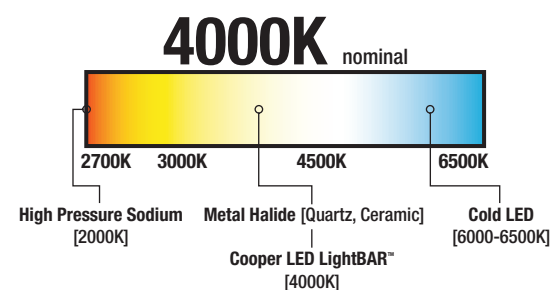
PATENTS PENDING

SCALABLE ILLUMINATION

WARM WHITE COLOR

4000K nominal

| 2700K | 3000K | 4500K | 6500K |

High Pressure Sodium [2000K]   Metal Halide [Quartz, Ceramic]   Cold LED [6000-6500K]

Cooper LED LightBAR™ [4000K]

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

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. Entri 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™ systems are as much as 30% more efficient than traditional HID optical systems. Available in six [6] beam distributions, AccuLED Optics™ systems provide the flexibility and performance required for any outdoor application.

COOPER LIGHTING'S PATENT PENDING LED LIGHTBAR LIGHT ENGINE BRINGS NEW MEANING TO THE WORD SCALABILITY

ENTRI LED

PRODUCT FAMILY	NUMBER OF LIGHTBARS [1,2]	LAMP TYPE	VOLTAGE	DISTRIBUTION	FINISH [3]	OPTIONS + ACCESSORIES
ENC=Entri Round Clean	B01=[1] 21 LED LightBAR	LED=Solid State Light Emitting Diodes	E1=Electronic [120-277V]	BL2=Type II w/Back Light Control	BK=Black	[see below]
ENT=Entri Triangle Reveals	B02=[2] 21 LED LightBARs		347=347V	BL3=Type III w/Back Light Control	AP=Grey	
ENV=Entri Round Reveals	C01=[1] 7 LED LightBAR		480=480V	BL4=Type IV w/Back Light Control	BZ=Bronze	
	C02=[2] 7 LED LightBARs			GZW=Wall Grazer Wide	WH=White	
				SLL=90° Spill Light Eliminator Left	DP=Dark Platinum	
				SLR=90° Spill Light Eliminator Right	GM=Graphite Metallic	

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

OPTIONS [4]
ULG=Uplight Glow
PC=Button Type Photocell [Specify Voltage]
WG=Wire Guard
2L=Bi-Level Switching [5]
TP=Tamper Resistant Hardware
LCF=LightBAR Cover Plate Matches Housing Finish
7060=70 CRI / 6000K CCT [6]
8030=80 CRI / 3000K CCT [6]
OSB=Occupancy Sensor with Back Box [7]
BBB=Battery Pack w/Back Box [Specify 120 or 277V] [8]
CWB=Cold Weather Battery Pack w/Back Box [Specify 120 or 277V] [9]

ACCESSORIES [10]
VA2001-XX=Thru-way Conduit Adaptor Box
VA6172=Wire Guard
VA6173=Tamper Resistant Driver Bits
MA1253=10kV Circuit Module Replacement

NOTES: 1 Standard 4000 K CCT and nominal 70 CRI. LightBARs for downlight use only. 2 2 21 LED LightBAR powered at 350mA, 7 LED LightBAR powered at 1A. 3 Custom and RAL color matching available upon request. Consult your customer service representative for further information. 4 Add as suffix in the order shown. 5 Low-level output varies by bar count, consult factory. Not available with 347V or 480V. Available with 2 Bars (B02 or C02) only. 6 Consult customer service for lead times and lumen multiplier. 7 Available with B02 or C02, only (1) LightBAR on street side will be wired to sensor. Time Delay factory setting 15 minutes. When ordered with Option PC, both light bars will connected to photocell as primary switching means. Standard sensor lens covers 8-foot mount height, 360-degree coverage, maximum 48-foot diameter. Not available in all configurations or with BBB or CWB options. 8 Specify 120 or 277V. LED standard integral battery pack is rated for minimum operating temperature 32°F [0°C]. Operates (1) lightbar for 90 minutes. Not available in all configurations or with OSB option. Consult factory. 9 Specify 120 or 277V. LED cold weather integral battery pack is rated for minimum operating temperature -4°F [-20°C]. Operates (1) lightbar for 90 minutes. Not available in all configurations or with OSB option. 10 Order separately, replace XX with color suffix. 11 Specifications and dimensions subject to change without notice.
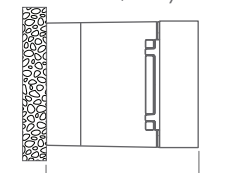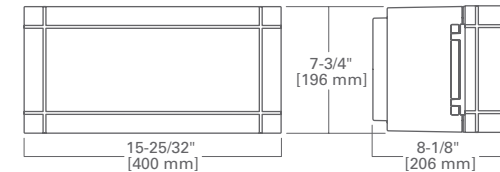
DIMENSIONS

ENC Round Clean
7-3/4" [196 mm]
15-25/32" [400 mm]   8-1/8" [206 mm]

ENT Triangle Reveals
7-3/4" [196 mm]
15-25/32" [400 mm]   8-1/8" [206 mm]
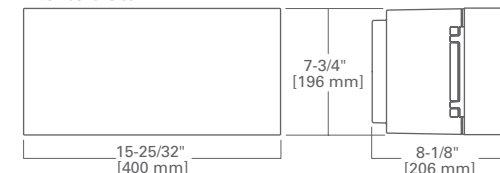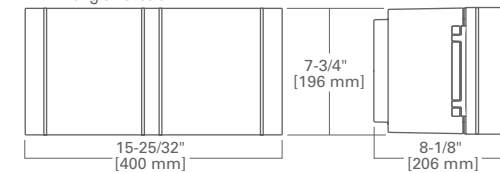
Conduit Mount/Battery Back Box
11" [279mm]

ENV Round Reveals
7-3/4" [196 mm]
15-25/32" [400 mm]   8-1/8" [206 mm]

CERTIFICATIONS
UL and cUL Listed
ISO 9001
IP66 LightBARs
LM79/ LM80 Compliant
AARA 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

SHIPPING DATA

Approximate Net Weight	
1-2 Bars	16 [7.3 kgs.]

25% PCRF

COOPER Lighting

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inVUE

ENV   ENT   ENC

SustainabLEDesign™

Entri LED
Architectural Wall Luminaire

COOPER Lighting

INNOVATION CENTER

INNOVATION IN ACTION

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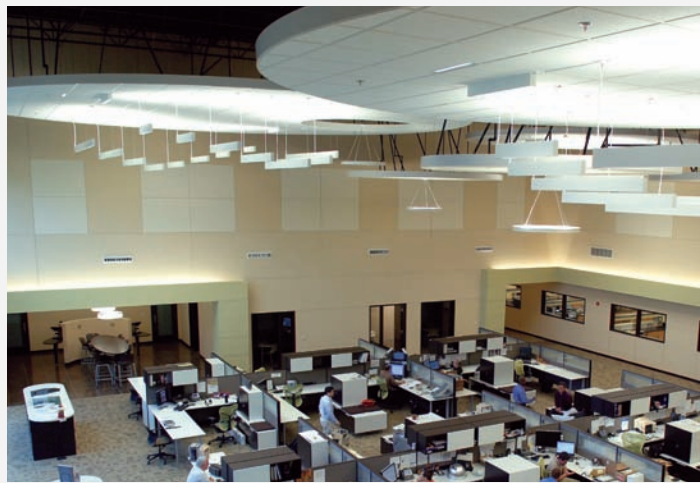
The Cooper name has stood for innovation, service and expertise for over 175 years. Today, Cooper Lighting's LED Innovation Center is home to the design, validation and manufacturing of proprietary LED technologies. Through changing times and technologies, Cooper answers the call to provide relevant,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

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

FEATURES + BENEFITS

STANDARD PRODUCT FEATURES

[+] Durable Die-cast Construction
[+] Extruded Aluminum Heat Sinks
[+] 10kV Circuit Protection
[+] Electronic Universal Drivers
[+] Quick Disconnect Wire Connections

[+] Replaceable LightBARS + Drivers
[+] Industry Leading Optics
[+] Easy Access Tool-less Door
[+] Hook-N-Lock Quick Mount

FINISH
Finished in Super TGIC polyester powder coat paint. Six [6] standard colors. RAL and custom colors available.

ARCHITECTURAL FORM
Entri LED offers clean, architectural styling which perfectly adorns any setting. Choice of three [3] faceplate designs and the ability to finish match LED cover plates to the housing exterior allows Entri LED to blend seamlessly with architecture.

OPTICAL EXCELLENCE
Optical efficiency and control is provided through patented precision designed AccuLED Optics™ that focus light onto the application region. Entri LED is available in one [1] or two [2] LightBAR™ configurations with a choice of six [6] industry leading downlight distributions. State-of-the-art distributions provide unmatched forward efficiency and superb brightness control on wall through back light control [BL] optics. All LightBARs™ feature an IP66 enclosure rating. Entri LED also features an upward soft glow option [ULG] for accent and uplighting applications.

ENERGY SAVING + CONTROL OPTIONS
Entri LED provides up to 72% energy savings over traditional lamp sources. Additional energy savings is possible through bi-level switching [2L], allowing up to 50% additional energy savings with no compromise in distribution uniformity. Entri LED is available with an optional button photocontrol [PC].

POWER AND LUMENS BY NUMBER OF LIGHTBARS

Number of LightBARs	Power [Watts]	DISTRIBUTION				
		BL2	BL3	BL4	GZW	SLR/SLL
7 LED LIGHTBAR						
C01	27	1,704	1,615	1,686	1,688	1,550
C02	54	3,408	3,230	3,372	3,375	3,099
21 LED LIGHTBAR						
B01	27	1,770	1,625	1,720	1,725	1,571
B02	51	3,540	3,249	3,440	3,450	3,142

VANDAL RESISTANT OPTIONS
Entri LED offers options to protect your LED investment. Available wire guard [WG] option offers complete coverage of the LED array. Tamper resistant [TP] option utilizes special tamper resistant hardware to inhibit unauthorized access to the luminaire.

EGRESS OPTIONS
Optional surface mount back box allows the use of an integral battery pack to power one [1] lightbar for 90 minutes. Entri LED is available with a traditional or cold-weather battery pack. Entri LED is also capable of bi-level switching [2L] allowing independent control of two [2] LightBARs for separate circuit applications.