

Project		Catalog #		Type	
Prepared by		Notes		Date	



Metalux

LBLED

Low Bay Linear Series
Symmetric Distribution

Typical Applications
• Industrial • Commercial

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Product Certification



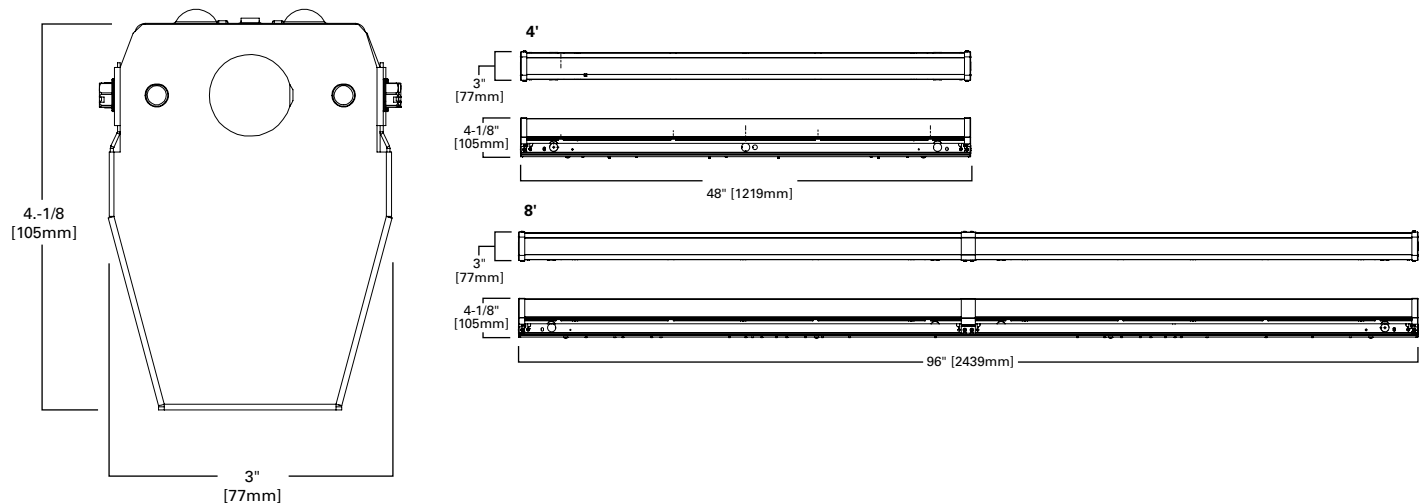
Product Features



Top Product Features

- Die formed CRS housing painted after fabrication for added durability
- High Impact optical lens protects LEDs
- Available lumen packages up to 22,000 lumens
- High-Performance efficacy up to 154 lm/W
- Precision optics in symmetric and asymmetric distribution

Dimensional and Mounting Details



Order Information

SAMPLE ORDER NUMBER: **4LBLED-LD4-10-SYMF-UNV-L840-CD1-U**

Length	Series	Lamp Type	LED Lumen Output	Optic	Voltage	CCT Options	
4=4' Length 8=8' Length	LBLED=Linear LED Low Bay Series	LD4=LED 4.0	4 ft. 6=6000 7=7000 8=8000 9=9000 10=10000 11=11000	8 ft. 9=9000 10=10000 12=12000 14=14000 16=16000 22=22000	SYMW=Symmetric, white SYMF=Symmetric, frost	UNV=Universal Voltage 120-277 347V=347 Volt	L835=3500K L840=4000K L850=5000K

Driver Type	Number of Drivers	Wiring	Packaging
CD=0-10V Dimming Driver (10% - 100% Dimming)	1=1 Driver 2=2 Drivers (8ft UNV in 14,000, 16,000 and 22,000 lumens) (4ft and 8ft 347V in 8,000, 9,000, 10,000, 11,000, 12,000 and 14,000 lumens) 4=4 Drivers (8ft 347V in 16,000 and 22,000 lumens)	PI_NG=Plug In System (1, 2, or 3 Circuit Capability), No Ground (ground provided by fixture body) PI_WG=Plug In System (1, 2, or 3 Circuit Capability), With Ground (separate ground wire in harness) CPI_NG=Crossover Plug In System (2 or 3 Circuit Capability) No Ground (ground provided by fixture body) CPI_WG=Crossover Plug In System (2 or 3 Circuit Capability) With Ground (separate ground wire in harness) C3 (1)=1 Circuit, 3' Cord with no Plug C3 (2)=2 Circuits, 3' Cord with no Plug C6 (1)=1 Circuit, 6' Cord with no Plug C6 (2)=2 Circuits, 6' Cord with no Plug PC3/120=(NEMA L5-15P) 3' Cord with NEMA Plug PC3/277=(NEMA L7-15P) 3' Cord with NEMA Plug PC3/347=(NEMA L24-20P) 3' Cord with NEMA Plug PC6/120=(NEMA L5-15P) 6' Cord with NEMA Plug PC6/277=(NEMA L7-15P) 6' Cord with NEMA Plug PC6/347=(NEMA L24-20P) 6' Cord with NEMA Plug	U=Unit Pack

Accessories

Accessories (order separately)

AYC-Chain/Set=36" Chain Hanger
 (Use 1 set per fixture)
SCF=Fixed Stem Set (Specify Length)
SCS=Swivel Stem Set (Specify Length)
SCA=Adjustable 48" Stem Set
EYE CHAIN SET/3FT=Eye Bolt Chain
 (Use 1 set per fixture)
A1B/Spacer-U=Spacer 1-1/2" to 2-1/2" from ceiling
 (Use 2 per fixture)
TOGGLE=Single Toggle No. 2 (Specify Length)
Y-TOGGLE=Y Toggle No. 2 (Specify Length)

PI Option Ordering Information

Catalog Number Suffix	Number of Circuits	Circuit Wired To Ballast	Catalog Numbering System
PI 1 BLK	1	Black	<p>The PI System is available in sections up to 8' in length for continuous row wiring by simply plugging the sections together. Each PI section is factory wired to the ballast leads. Color coding of wires is as follows:</p> <p>PI-1 = One Circuit - 2 Wires: one black, one white PI-2 = Two Circuits - 3 Wires: one black, one blue, one white PI-3 = Three Circuits - 4 wires: one black, one blue, one red, one white</p> <p>When ordering the PI2/PI3 System it is necessary to specify the number of fixtures required for each circuit. Each circuit in fixture must be ordered as a separate line item, with a different hot wire color specified. All wiring to external feeds, using cord or cord & plug, are responsibility of installing licensed contractor. Cord and cord & plug sets must be ordered separately if PI option is chosen.</p>
PI 2 BLU	2	Blue	
PI 2 BLK	2	Black	
PI 3 RED	3	Red	
PI 3 BLU	3	Blue	
PI 3 BLK	3	Black	

PI1 - Single Circuit Plug-In

SAMPLE ORDER NUMBER: **PI1BLK-WG**

Catalog Number Suffix	Ground Wires
PI1 =Single Circuit	NG =No Ground (ground provided by fixture body) WG =With Ground (separate ground wire in harness)
BLK =Black Hot	

Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Solutions Representative for availability and ordering information.

PI2 - Two Circuit Plug-In

SAMPLE ORDER NUMBER: **PI2BLK-WG**

Catalog Number Suffix	Ground Wires
PI2 =Two Circuit	Leave Blank =Single Neutral 2NEU =Two Neutrals
BLK =Black Hot BLU =Blue Hot	
Leave Blank =Single Neutral /WHT =White Neutral /GRY =Gray Neutral	NG =No Ground (ground provided by fixture body) WG =With Ground (separate ground wire in harness)

PI3 - Three Circuit Plug-In

SAMPLE ORDER NUMBER: **PI3BLK-WG**

Catalog Number Suffix	Ground Wires
PI3 =Three Circuit	Leave Blank =Single Neutral 2NEU =Two Neutrals
BLK =Black Hot BLU =Blue Hot RED =Red Hot	
Leave Blank =Single Neutral /WHT =White Neutral /GRY =Gray Neutral	NG =No Ground (ground provided by fixture body) WG =With Ground (separate ground wire in harness)

Product Specifications

Construction

- Channel is die formed cold rolled steel
- Available in 4' and 8' lengths
- Groove for Tong Hanger
- Numerous KO's for easy installation
- Channel/wireway cover secured with sheet metal screws

Controls

- Equipped standard with a 0-10V continuous dimming driver that works with any standard 0-10V control/dimmer
- Dimming range is 10% to 100%; varies by control device
- Combine with energysaving products like occupancy sensors, day lighting controls, and lighting relay panels to maximize energy savings
- Motion control can be installed in end K.O. for linear applications

Electrical

- LED's available in 3500K, 4000K, and 5000K with a typical 85 CRI. Other color temperatures are available
- Long-Life LED system coupled with electronic (120-277V) driver to deliver optimal lighting performance
- Projected life is 60,000 hours at 70% lumen output
- 0-10V dimming driver standard

Emergency Battery Pack Option

- Consult factory for battery pack

Finish

- High reflective paint after fabrication, baked white enamel finish is standard
- Multistage cleaning cycle
- Iron phosphate coating with rust inhibitor

Channel/Wireway Cover

- Die formed heavy gauge steel
- Tight fit for ease of maintenance

Shielding

- Offers two different optical distributions and aesthetics - White and Frost

Installation

- Fixture may be surface, pendant, or stem mounted. See accessories in ordering information.

Compliance

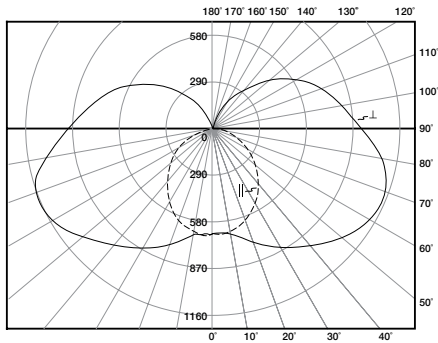
- Components are UL recognized
- Indoor luminaires are cULus listed for -20C to 40C ambient environments
- RoHS compliant
- Damp location listed, and comply with IESNA LM-79
- LEDs comply with LM-80 standards

Warranty

- Five year warranty.

Photometric Data

[View IES files](#)



4LBLED-LD4-60HL-LSYMW-UNV-L840-CD2-U

Electronic Driver
 Linear LED 4000K
 Spacing criterion: (||) 1.2 x mounting height,
 (⊥) 2.1 x mounting height
 Lumens: 6096
 Input Watts: 42.8W
 Efficacy: 142 lm/W
 Test Report: 4LBLED-LD4-60HL-LSYMWUNV-L840-
 CD2-U.IES

Energy and Performance Data

Energy and Performance Data by Catalog Number

Catalog Number	Delivered Lumens	Watts	Efficacy (lm/W)
Symmetric			
4LBLED-LD4-6-SYMF-UNV-L850-CD1-U	6726	44	153
4LBLED-LD4-7-SYMF-UNV-L850-CD1-U	7765	52	149
4LBLED-LD4-8-SYMF-UNV-L850-CD1-U	8802	56	157
4LBLED-LD4-9-SYMF-UNV-L850-CD1-U	10044	65	154
4LBLED-LD4-10-SYMF-UNV-L850-CD1-U	11168	76	146
4LBLED-LD4-11-SYMF-UNV-L850-CD1-U	12285	86	143
8LBLED-LD4-9-SYMF-UNV-L850-CD1-U	10207	62	165
8LBLED-LD4-10-SYMF-UNV-L850-CD1-U	11290	69	164
8LBLED-LD4-12-SYMF-UNV-L850-CD1-U	13453	83	161
8LBLED-LD4-14-SYMF-UNV-L850-CD2-U	15529	101	154
8LBLED-LD4-16-SYMF-UNV-L850-CD2-U	17604	113	156
8LBLED-LD4-22-SYMF-UNV-L850-CD2-U	24571	174	141

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	> 83%	113,000

Shipping Data

Length	Wt.
4 ft.	8 lbs.
8 ft.	15 lbs.