

Project		Catalog #		Type	
Prepared by		Notes		Date	



Metalux

Industrial LED Linear Bay

LED Linear Bay Lighting System

Typical Applications

Big Box Retail • Shopping Malls • School Gymnasium • Light Industrial • Warehouse • Manufacturing

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Product Warranty

Product Certification



Product Features

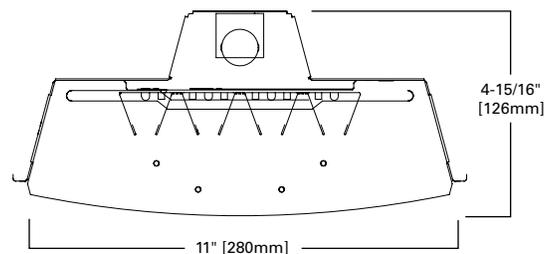


Top Product Features

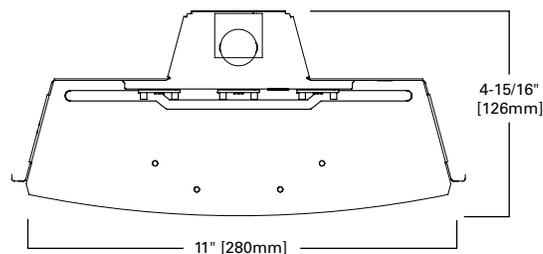
- 4ft and 8ft low profile, narrow 11" wide housing
- Available in surface, suspended and continuous row mount
- Multiple lumen packages available
- High-performance efficacy up to 160 lm/W
- Multiple Lumen Packages for Low Bay and High Bay Applications
- Options to meet Buy American and other domestic preference requirements

Dimensional and Mounting Details

NARROW DISTRIBUTION



WIDE DISTRIBUTION



[additional product diagrams](#)

Order Information

SAMPLE ORDER NUMBER: **4ILED-LD5-9-W-FL-UNV-L840-CD1-U**

Domestic Preferences ⁽¹⁾	Length	Series ⁽²⁾	Mounting Arrangement	Lamp Type	Lumen Output		Distribution	Shielding Options
[Blank]=Standard BAA=Buy American Act TAA=Trade Agreements Act	4=4' Length 8=8' Length	ILED=LED High Bay	[Blank]=Stand Alone R=Continuous Row Mount	LD5=LED 5.0	4 ft. 5=5,000 Lumens 7=7,000 Lumens 9=9,000 Lumens 11=11,000 Lumens 14=14,000 Lumens 16=16,000 Lumens ⁽³⁾	8 ft. 10=10,000 Lumens 14=14,000 Lumens 18=18,000 Lumens 22=22,000 Lumens 28=28,000 Lumens 32=32,000 Lumens ⁽³⁾	N=Narrow ⁽⁴⁾ W=Wide	[Blank]=Open TBW=Thin White Baffle ⁽⁶⁾ FL=Frosted Acrylic Lens & Frame ^{(5),(6)} FL/UPL=Frosted Lens w/ Uplight ^{(5),(6)} CL=Clear Acrylic Lens & Door Frame ^{(5),(6)} WG=Heavy Duty Wireguard
Notes (1) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.		Notes (2) DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.			Notes (3) Max. ambient 40C for 16K and 32K lumen packages.		Notes (4) Narrow distribution not available with FL, FL/UPL, and CL shielding options.	Notes (5) Narrow distribution not available with FL, FL/UPL, and CL shielding options. (6) Wireguard available in conjunction with shielding option (catalog example TBW/WG).

Voltage	CCT	Emergency Options	Driver Type
UNV=Universal 120-277 Voltage UNC=Universal 347/480 Voltage 120V=120 Volt 277V=277 Volt 347V=347 Volt ⁽⁷⁾ 480V=480 Volt ⁽⁷⁾	L830=80CRI, 3000K CCT L835=80CRI, 3500K CCT L840=80CRI, 4000K CCT L850=80CRI, 5000K CCT L930=90 CRI, 3000K CCT L935=90 CRI, 3500K CCT L940=90CRI, 4000K CCT L950=90CRI, 5000K CCT	EL7W=Emergency Installed, 7 Watts ^{(8),(9)} EL14W=Emergency Installed, 14 Watts ^{(8),(9)} GTR2=Bodine Generator Transfer Relay ⁽¹⁰⁾ ETRD=Emergency Transfer Relay with dimming control ⁽¹⁰⁾	CD=0-10V Dimming (standard) 1=1 Driver 2=2 Drivers (14,000, 16,000, 18,000, 22,000 lumen) 3=3 Drivers (32,000 lumen) 4=4 Driver (28,000 lumen) SD=Step-dim Driver 1=1 Driver 2=2 Drivers (10,000, 11,000, 14,000 lumen) 3=3 Drivers (16,000, 18,000, 22,000 lumen) 4=4 Drivers (28,000, 32,000 lumen) 5LTD=Fifth Light DALI 1=1 Driver 2=2 Drivers (14,000, 16,000, 18,000, 22,000 lumen) 3=3 Drivers (28,000, 32,000 lumen)
Notes (7) EL not available in 347 or 480V configurations.		Notes (8) Max. ambient 35C for EL options. (9) EL not available in 347 or 480V configurations. (10) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). GTR2 option includes 2 relays on fixtures with dimming drivers. ETRD option only requires one relay when used on a dimming fixture. Must specify voltage as 120V or 277V when ordering GTR option.	

Wiring Options	Packaging	Accessories (order separately) ⁽¹³⁾
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 C10 (1)=1 Circuit, 10' Cord with no Plug C10 (2)=2 Circuit, 10' Cord with no Plug PL_NG=Plug In System (1, 2, or 3 Circuit Capability), No Ground (ground provided by fixture body) ⁽¹¹⁾ PL_WG=Plug In System (1, 2, or 3 Circuit Capability), With Ground (separate ground wire in harness) ⁽¹¹⁾ CPI_NG=Crossover Plug In System (2 or 3 Circuit Capability), No Ground (ground provided by fixture body) ⁽¹¹⁾ CPI_WG=Crossover Plug In System (2 or 3 Circuit Capability), With Ground (separate ground wire in harness) ⁽¹¹⁾ MWS=Modular Wiring System MS=360° or 180° Motion Sensor, 120 through 347, or 480V MP=Modular Power Receptacle (Used for all Cord or Cord and Plug options)	U=Unit Pack PAL=Palletized Out of Carton PALC=Palletized In Carton	ILED-SPM =Single Monopoint Hanger w/Hub FH-1=Fixture Hook FL-1=Fixture Loop SHK=Fixture Hook AYC-CHAIN/SET/U =(2) Hooks, 36" Chain Sets w/S-Hooks TOGGLE =Single Toggle, #2 Cable (Specify 10' or 30') LOOP =Loop Hanger, #2 Cable (Specify 10' or 30') MC6 =6' Modular Power Cord MPC6 =6' Modular Power Cord & Plug (Specify Voltage) MMS =360° or 180° Aisle Motion Sensor with Modular Power Receptacle (120-277V) MDS6 =6' Modular Power Cord with MWS 27DS18/2G06MP Connector Door Frames (for Field Installation) ⁽¹²⁾ ILED-4-FRM/FL-PK =4 ft. Frosted Acrylic Lens & Frame ILED-4-FRM/CL-PK =4 ft. Clear Acrylic Lens & Frame ILED-4-WG-PK =4 ft. Wireguard ILED-4-TBW-PK =4 ft. Thin White Baffle
Notes (11) PI option does not include low voltage wiring for 0-10V dimming.		Notes (12) 8 ft. fixtures require two door frames per fixture. (13) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

PI Option Ordering Information

Catalog Number Suffix	Number of Circuits	Circuit Wired To Ballast	Catalog Numbering System
PI 1 BLK	1	Black	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: 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
PI 2 BLU	2	Blue	
PI 2 BLK	2	Black	
PI 3 RED	3	Red	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.
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

- Specification grade, full body housing
- End plates and socket tracks are die formed cold rolled steel
- Available in 4' and 8' lengths
- Integral driver channel for added strength
- Numerous KO's for easy installation

Electrical

- LED's available in 3500K, 4000K, and 5000K with a CRI > 80
- Available for 120-277V, 347V and 480V
- 0-10V dimming driver standard
- Optional modular power receptacle meets UL2459 and NEC 410.73
- UL/cUL rated for make and break under load from outside of the luminaire

Finish

- Electrostatically applied, baked white enamel finish
- Multistage cleaning cycle
- Iron phosphate coating with rust inhibitor

Optics

- Optical modules are enclosed inside housing to protect against damage
- Available in narrow or wide distribution
- Narrow beam optical module utilizes 95% specular aluminum finish
- Optional thin white baffle available for longitudinal shielding
- Clear or frosted acrylic lens available
- Heavy duty wireguard available
- Latched retention of shielding optics allows for easy access

Mounting

- Suitable for surface, suspension mounting with optional wire hook and chain set, stem or cable mounting
- Top connector box mounting available
- Narrow 11" housing allows mounting within 12" horizontally from the nearest edge of sprinkler deflector

Compliance

- cULus listed for damp locations -20 C – 45 C ambient environments
- RoHS compliant
- LED modules comply with IESNA LM-79/LM-80 testing standards
- DesignLights Consortium Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details

Integrated Controls

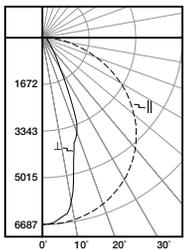
- MS integrated sensor provides 600 sqft of coverage at maximum height of 40'
- MSO integrated sensor provides 1250 sqft of coverage at maximum height of 40'

Warranty

- Five year warranty.

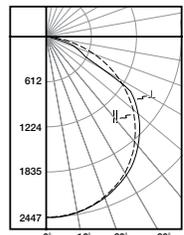
Photometric Data

[View IES files](#)



4ILED-LD5-7-N-UNV-L840-CD1-U

Electronic Driver
 Linear LED 4000K
 Spacing criterion: (II) 1.27 x mounting height,
 (⊥) 0.59 x mounting height
 Lumens: 6772
 Input Watts: 39.5W
 Efficacy: 171.4 lm/W
 Test Report: 4ILED-LD5-7-N-UNV-L840-CD1-U.IES



4ILED-LD5-7-W-UNV-L835-CD1-U

Electronic Driver
 Linear LED 3500K
 Spacing criterion: (II) 1.29 x mounting height,
 (⊥) 1.32 x mounting height
 Lumens: 6994
 Input Watts: 39.5W
 Efficacy: 177.1 lm/W
 Test Report: 4ILED-LD5-7-W-UNV-L835-CD1-U.IES

Energy and Performance Data

Energy and Performance Data by Catalog Number

Catalog Number	Delivered Lumens	Watts	Efficacy (lm/W)
4 ft. Length			
4ILED-LD5-5-W-UNV-L840-CD1-U	5007	31	160
4ILED-LD5-7-W-UNV-L840-CD1-U	6996	46	152
4ILED-LD5-9-W-UNV-L840-CD1-U	9051	60	151
4ILED-LD5-11-W-UNV-L840-CD1-U	10949	79	139
4ILED-LD5-14-W-UNV-L840-CD1-U	13962	98	143
4ILED-LD5-16-W-UNV-L840-CD1-U	16050	113	142
8 ft. Length			
8ILED-LD5-10-W-UNV-L840-CD1-U	10014	63	160
8ILED-LD5-14-W-UNV-L840-CD2-U	13993	92	152
8ILED-LD5-18-W-UNV-L840-CD2-U	18102	120	151
8ILED-LD5-22-W-UNV-L840-CD2-U	21898	157	139
8ILED-LD5-28-W-UNV-L840-CD4-U	27924	195	143
8ILED-LD5-32-W-UNV-L840-CD3-U	32100	226	142

Ambient Ratings

Lumen Package	Ambient Rating	Drivers			Lensed	EM
		CD	SD	5LTD		
4ILED-LD5-5	45°C	45°C	45°C	45°C	45°C	35°C
4ILED-LD5-7	45°C	45°C	45°C	45°C	45°C	35°C
4ILED-LD5-9	45°C	45°C	45°C	45°C	45°C	35°C
4ILED-LD5-11	45°C	45°C	45°C	45°C	45°C	35°C
4ILED-LD5-14	45°C	45°C	45°C	45°C	45°C	35°C
4ILED-LD5-16	40°C	40°C	40°C	40°C	40°C	35°C

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	> 86%	171,000

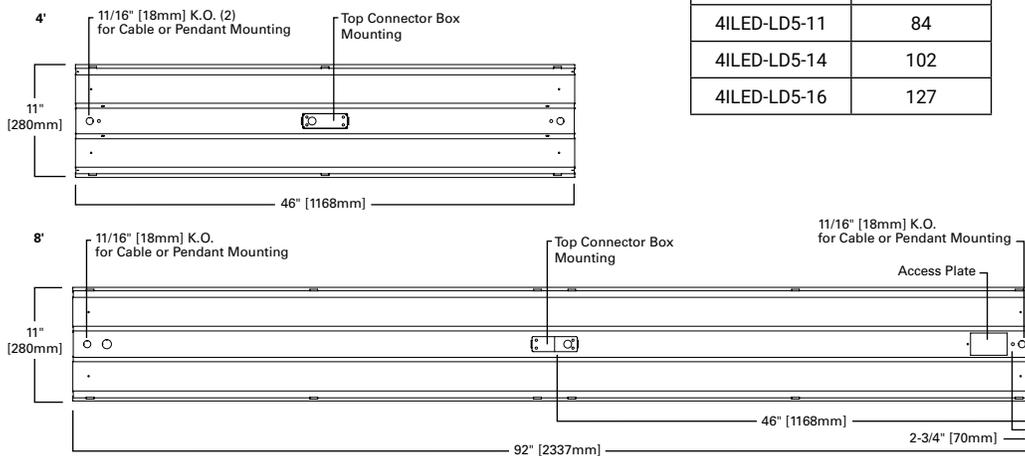
Energy Data

Catalog No.	Input Watts
4ILED-LD5-5	33
4ILED-LD5-7	50
4ILED-LD5-9	66
4ILED-LD5-11	84
4ILED-LD5-14	102
4ILED-LD5-16	127

Shipping Data

Catalog No.	Wt.
4ILEDL	15 lbs.
8ILED	30 lbs.

Dimensional and Mounting Details



Modular F-Bay Power Supply Option

Cooper Lighting's F-Bay Modular Power Supply option is available for use with all F-Bay products. The modular power supply allows external fixture access for safe and easy servicing. There is no need to remove lamps or reflectors to disconnect fixture power with F-Bay Modular Power Supply. Access to the individual fixture's power supply allows servicing without turning off all the fixtures, disrupting occupants. F-Bay Modular Power Supply is a time saver in installation – **simply plug & power.**



1. Modular Power Supply Receptacle supplied mounted into fixture Access Plate
2. Modular Power Cord & Plugs in 120, 277, 347, & 480V configurations for easy plug & power into existing supply

No internal fixture access required for installation or disconnecting power

Modular Motion Sensor Option supplied with Mounting Box and Modular Power Supply Receptacle

Code Compliance

- UL/cUL Certified for Make/Break under load (UL2549)
- Meets NEC requirements for ballast disconnect (NEC 410.73G)
- Allows for addition of Occupancy Sensor without hard connections
- Receptacles complete with insulating/dust cap