

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

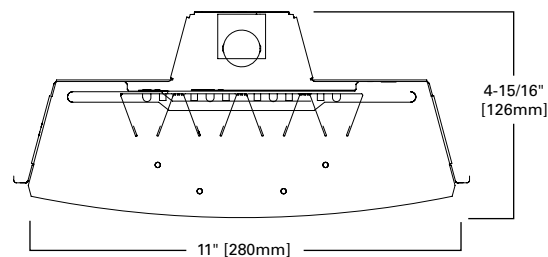


### Top Product Features

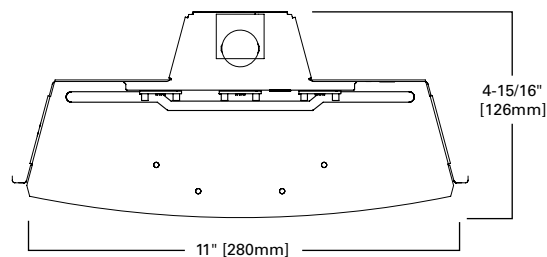
- 4ft and 8ft low profile, narrow 11" wide housing
- Available in surface, suspended and continuous row mount
- Multiple lumen packages available
- High-performance efficacy up to 160 lm/W
- Multiple Lumen Packages for Low Bay and High Bay Applications
- Options to meet Buy American and other domestic 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	Length	Series	Mounting Arrangement	Lamp Type	Lumen Output	Distribution	Shielding Options
<b>[Blank]</b> =Standard <b>BAA</b> =Buy American Act <b>TAA</b> =Trade Agreements Act	4=4' Length 8=8' Length	<b>I</b> LED=LED High Bay	<b>[Blank]</b> =Stand Alone <b>R</b> =Continuous Row Mount	<b>LD5</b> =LED 5.0	<b>4 ft.</b> 5=5,000 Lumens 7=7,000 Lumens 9=9,000 Lumens 11=11,000 Lumens 14=14,000 Lumens 16=16,000 Lumens <sup>(3)</sup> <b>8 ft.</b> 10=10,000 Lumens 14=14,000 Lumens 18=18,000 Lumens 22=22,000 Lumens 28=28,000 Lumens 32=32,000 Lumens <sup>(3)</sup>	<b>N</b> =Narrow <sup>(4)</sup> <b>W</b> =Wide	<b>[Blank]</b> =Open <b>TBW</b> =Thin White Baffle <sup>(6)</sup> <b>FL</b> =Frosted Acrylic Lens & Frame <sup>(5), (6)</sup> <b>FL/UPL</b> =Frosted Lens w/ Uplight <sup>(5), (6)</sup> <b>CL</b> =Clear Acrylic Lens & Door Frame <sup>(5), (6)</sup> <b>WG</b> =Heavy Duty Wireguard
<b>Notes</b> (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 <a href="#">DOMESTIC PREFERENCES</a> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.		<b>Notes</b> (2) DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to <a href="#">www.designlights.org</a> for details.			<b>Notes</b> (3) Max. ambient 40C for 16K and 32K lumen packages.	<b>Notes</b> (4) Narrow distribution not available with FL, FL/UPL, and CL shielding options.	<b>Notes</b> (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
<b>UNV</b> =Universal 120-277 Voltage <b>UNC</b> =Universal 347/480 Voltage <b>120V</b> =120 Volt <b>277V</b> =277 Volt <b>347V</b> =347 Volt <sup>(7)</sup> <b>480V</b> =480 Volt <sup>(7)</sup>	<b>L830</b> =3000K <b>L835</b> =3500K <b>L840</b> =4000K <b>L850</b> =5000K	<b>EL7W</b> =Emergency Installed, 7 Watts <sup>(8), (9)</sup> <b>EL14W</b> =Emergency Installed, 14 Watts <sup>(8), (9)</sup> <b>GTR2</b> =Bodine Generator Transfer Relay <sup>(10)</sup> <b>ETRD</b> =Emergency Transfer Relay with dimming control <sup>(10)</sup>	<b>CD=0-10V Dimming (standard)</b> 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) <b>SD=Step-dim Driver</b> 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) <b>SLTD=Fifth Light DALI</b> 1=1 Driver 2=2 Drivers (14,000, 16,000, 18,000, 22,000 lumen) 3=3 Drivers (28,000, 32,000 lumen)
<b>Notes</b> (7) EL not available in 347 or 480V configurations.		<b>Notes</b> (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
<b>C3 (1)</b> =1 Circuit, 3' Cord with no Plug <b>C3 (2)</b> =2 Circuits, 3' Cord with no Plug <b>C6 (1)</b> =1 Circuit, 6' Cord with no Plug <b>C6 (2)</b> =2 Circuits, 6' Cord with no Plug <b>C10 (1)</b> =1 Circuit, 10' Cord with no Plug <b>C10 (2)</b> =2 Circuit, 10' Cord with no Plug <b>PL_NG</b> =Plug In System (1, 2, or 3 Circuit Capability), No Ground (ground provided by fixture body) <sup>(11)</sup> <b>PL_WG</b> =Plug In System (1, 2, or 3 Circuit Capability), With Ground (separate ground wire in harness) <sup>(11)</sup> <b>CPL_NG</b> =Crossover Plug In System (2 or 3 Circuit Capability), No Ground (ground provided by fixture body) <sup>(11)</sup> <b>CPL_WG</b> =Crossover Plug In System (2 or 3 Circuit Capability), With Ground (separate ground wire in harness) <sup>(11)</sup> <b>MWS</b> =Modular Wiring System <b>MS</b> =360° or 180° Motion Sensor, 120 through 347, or 480V <b>MP</b> =Modular Power Receptacle (Used for all Cord or Cord and Plug options)	<b>U</b> =Unit Pack <b>PAL</b> =Palletized Out of Carton <b>PALC</b> =Palletized In Carton	<b>ILED-SPM</b> =Single Monopoint Hanger w/Hub <b>FH-1</b> =Fixture Hook <b>FL-1</b> =Fixture Loop <b>SHK</b> =Fixture Hook <b>AYC-CHAIN/SET/U</b> =(2) Hooks, 36" Chain Sets w/S-Hooks <b>TOGGLE</b> =Single Toggle, #2 Cable (Specify 10' or 30") <b>LOOP</b> =Loop Hanger, #2 Cable (Specify 10' or 30") <b>MC6</b> =6' Modular Power Cord <b>MPC6</b> =6' Modular Power Cord & Plug (Specify Voltage) <b>MMS</b> =360° or 180° Aisle Motion Sensor with Modular Power Receptacle (120-277V) <b>MDS6</b> =6' Modular Power Cord with MWS 27DS18/2G06MP Connector  <b>Door Frames (for Field Installation) <sup>(12)</sup></b> <b>ILED-4-FRM/FL-PK</b> =4 ft. Frosted Acrylic Lens & Frame <b>ILED-4-FRM/CL-PK</b> =4 ft. Clear Acrylic Lens & Frame <b>ILED-4-WG-PK</b> =4 ft. Wireguard <b>ILED-4-TBW-PK</b> =4 ft. Thin White Baffle
<b>Notes</b> (11) Pl option does not include low voltage wiring for 0-10V dimming.		<b>Notes</b> (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: <b>PI-1</b> = One Circuit - 2 Wires: one black, one white <b>PI-2</b> = Two Circuits - 3 Wires: one black, one blue, one white <b>PI-3</b> = Three Circuits - 4 wires: one black, one blue, one red, one white  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 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
<b>PI1</b> =Single Circuit	<b>NG</b> =No Ground (ground provided by fixture body) <b>WG</b> =With Ground (separate ground wire in harness)
<b>BLK</b> =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
<b>PI2</b> =Two Circuit	<b>Leave Blank</b> =Single Neutral <b>2NEU</b> =Two Neutrals
<b>BLK</b> =Black Hot <b>BLU</b> =Blue Hot	
<b>Leave Blank</b> =Single Neutral <b>/WHT</b> =White Neutral <b>/GRY</b> =Gray Neutral	<b>NG</b> =No Ground (ground provided by fixture body) <b>WG</b> =With Ground (separate ground wire in harness)

### PI3 - Three Circuit Plug-In

SAMPLE ORDER NUMBER: **PI3BLK-WG**

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

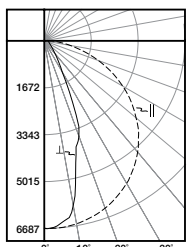
- MS integrated sensor provides 600 sqft of coverage at maximum height of 40'
- MSO integrated sensor provides 1250 sqft of coverage at maximum height of 40'

### Warranty

- Five year warranty.

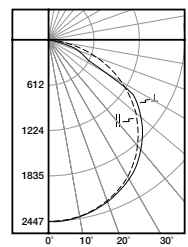
## Photometric Data

[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: 6730  
 Input Watts: 50.4W  
 Efficacy: 133.5 lm/W  
 Test Report: 4ILED-LD5-7-N-UNV-L840-CD1-U.IES



### 4ILED-LD5-7-W-UNV-L840-CD1-U

Electronic Driver  
 Linear LED 3500K  
 Spacing criterion: (II) 1.27 x mounting height,  
 (⊥) 1.32 x mounting height  
 Lumens: 7060  
 Input Watts: 50.4W  
 Efficacy: 140.1 lm/W  
 Test Report: 4ILED-LD5-7-W-UNV-L840-CD1-U.IES

## Energy and Performance Data

### Energy and Performance Data by Catalog Number

Catalog Number	Delivered Lumens	Watts	Efficacy (lm/W)
<b>4 ft. Length</b>			
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
<b>8 ft. Length</b>			
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

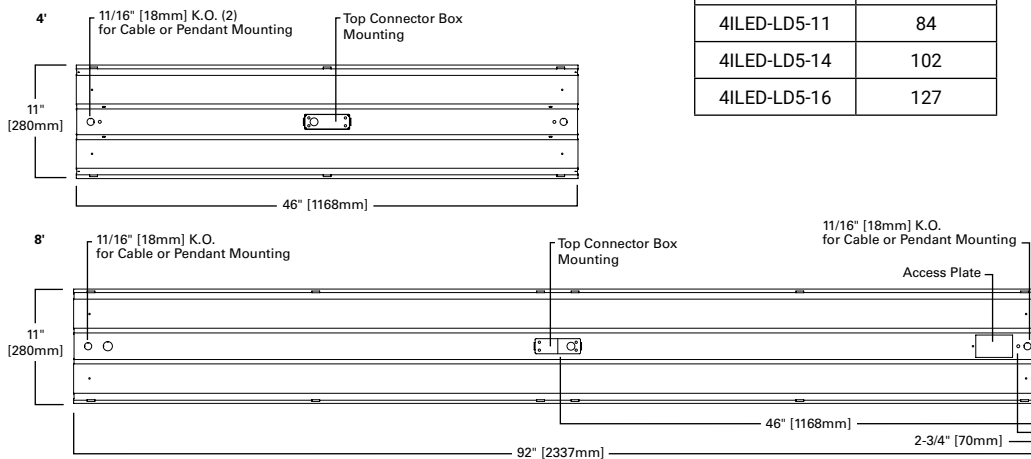
### Energy Data

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