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

Product Certification

c(UL)us LISTED · DLC LISTED · DLC PREMIUM · RoHS COMPLIANT · ISO SYSTEMS CERTIFIED

Product Features

damp location · LINEAR DISCONNECT Safe and convenient means of disconnecting power · MWS MODULAR WIRING SYSTEM CLICK HERE
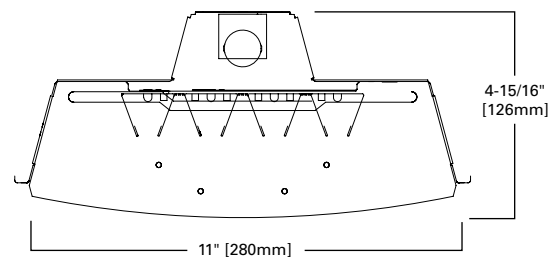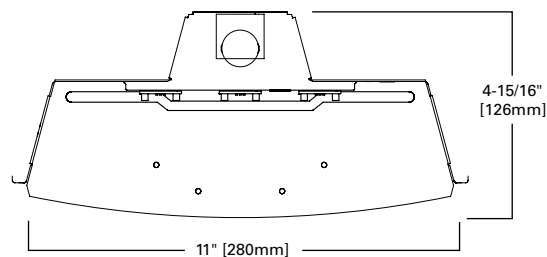
Top Product Features

- 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

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Dimensional and Mounting Details

NARROW DISTRIBUTION

4-15/16" [126mm]

11" [280mm]

WIDE DISTRIBUTION

4-15/16" [126mm]

11" [280mm]

additional product diagrams

COOPER Lighting Solutions

Order Information

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

Length	Series	Mounting Arrangement	Lamp Type	Lumen Output		Distribution	Shielding Options
Length	**Series** [9]	**Mounting Arrangement**	**Lamp Type**	**Lumen Output**		**Distribution**	**Shielding Options**
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 [1]	**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 [1]	**N**=Narrow [2] **W**=Wide	**[Blank]**=Open **TBW**=Thin White Baffle [5] **FL**=Frosted Acrylic Lens & Frame [2], [5] **FL/UPL**=Frosted Lens w/Uplight [2], [5] **CL**=Clear Acrylic Lens & Door Frame [2], [5] **WG**=Heavy Duty Wireguard
	Notes (9) DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.			**Notes** (1) Max. ambient 40C for 16K and 32K lumen packages.		**Notes** (2) Narrow distribution not available with FL, FL/UPL, and CL shielding options.	**Notes** (2) Narrow distribution not available with FL, FL/UPL, and CL shielding options. (5) Wireguard available in conjunction with shielding option (catalog example TBW/WG).

Voltage	CCT	Emergency Options	Driver Type		
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 [4] **480V**=480 Volt [4]	**L830**=3000K **L835**=3500K **L840**=4000K **L850**=5000K	**EL7W**=Emergency Installed, 7 Watts [3], [4] **EL14W**=Emergency Installed, 14 Watts [3], [4] **GTR2**=Bodine Generator Transfer Relay [7] **ETRD**=Iota Emergency Transfer Relay with dimming control [7]	**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 (4) EL not available in 347 or 480V configurations.		**Notes** (3) Max. ambient 35C for EL options. (4) EL not available in 347 or 480V configurations. (7) 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 these devices.			

Wiring Options	Packaging	Accessories
Wiring Options	**Packaging**	**Accessories (order separately)**
PI_NG=Plug In System (1, 2, or 3 Circuit Capability), No Ground (ground provided by fixture body) [6] **PI_WG**=Plug In System (1, 2, or 3 Circuit Capability), With Ground (separate ground wire in harness) [6] **CPI_NG**=Crossover Plug In System (2 or 3 Circuit Capability), No Ground (ground provided by fixture body) [6] **CPI_WG**=Crossover Plug In System (2 or 3 Circuit Capability), With Ground (separate ground wire in harness) [6] **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) [8] **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 (6) PI option does not include low voltage wiring for 0-10V dimming.		**Notes** (8) 8 ft. fixtures require two door frames per fixture.

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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 2 BLU	2	Blue	**PI-1** = One Circuit - 2 Wires: one black, one white
PI 2 BLK	2	Black	**PI-2** = Two Circuits - 3 Wires: one black, one blue, one white
PI 3 RED	3	Red	**PI-3** = Three Circuits - 4 wires: one black, one blue, one red, one white
PI 3 BLU	3	Blue	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 BLK	3	Black	

PI1 - Single Circuit Plug-In
SAMPLE ORDER NUMBER: **PI1BLK-WG**

Catalog Number Suffix —

Catalog Number Suffix
PI1=Single Circuit
BLK=Black Hot

Ground Wires

Ground Wires
NG=No Ground (ground provided by fixture body) **WG**=With Ground (separate ground wire in harness)

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 —

Catalog Number Suffix
PI2=Two Circuit
BLK=Black Hot **BLU**=Blue Hot
Leave Blank=Single Neutral **/WHT**=White Neutral **/GRY**=Gray Neutral

Ground Wires

Ground Wires
Leave Blank=Single Neutral **2NEU**=Two Neutrals
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 —

Catalog Number Suffix
PI3=Three Circuit
BLK=Black Hot **BLU**=Blue Hot **RED**=Red Hot
Leave Blank=Single Neutral **/WHT**=White Neutral **/GRY**=Gray Neutral

Ground Wires

Ground Wires
Leave Blank=Single Neutral **2NEU**=Two Neutrals
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
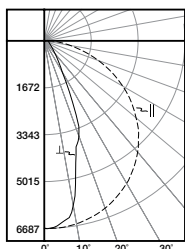
Integrated Controls
- MS integrated sensor provides 600 sqft of coverage at maximum height of 40'
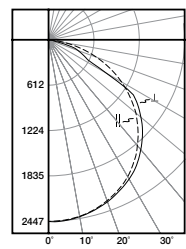- MSO integrated sensor provides 1250 sqft of coverage at maximum height of 40'

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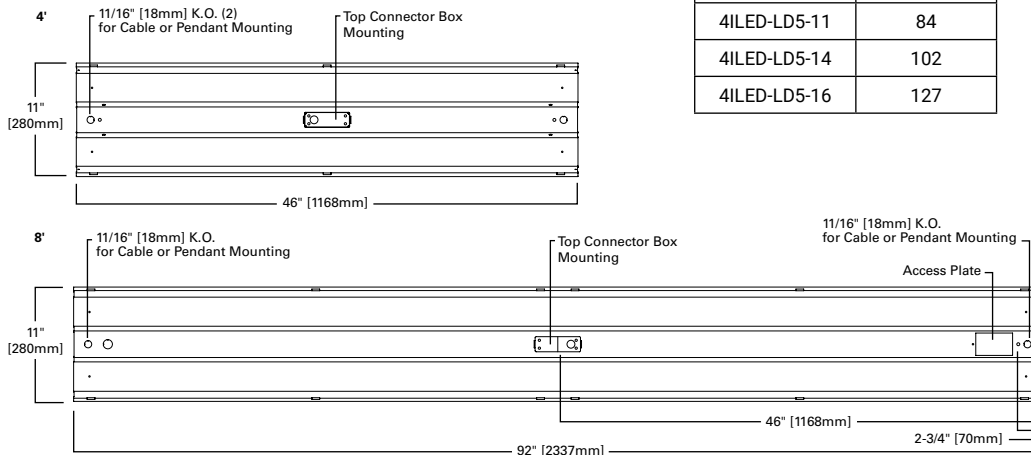

4ILED-LD5-7-W-UNV-L840-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.29 x mounting height, (⊥) 1.32 x mounting height
Lumens: 7060
Input Watts: 50.4W
Efficacy: 140.1 lm/W
Test Report: 4ILED-LD5-7-W-UNV-L840-CD1-U.IES

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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	45ºC	45ºC	45ºC	45ºC	45ºC	35ºC
4ILED-LD5-7	45ºC	45ºC	45ºC	45ºC	45ºC	35ºC
4ILED-LD5-9	45ºC	45ºC	45ºC	45ºC	45ºC	35ºC
4ILED-LD5-11	45ºC	45ºC	45ºC	45ºC	45ºC	35ºC
4ILED-LD5-14	45ºC	45ºC	45ºC	45ºC	45ºC	35ºC
4ILED-LD5-16	40ºC	40ºC	40ºC	40ºC	40ºC	35ºC

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25ºC	> 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

4'
11/16" [18mm] K.O. (2) for Cable or Pendant Mounting
Top Connector Box Mounting
11" [280mm]
46" [1168mm]

8'
11/16" [18mm] K.O. for Cable or Pendant Mounting
Top Connector Box Mounting
11/16" [18mm] K.O. for Cable or Pendant Mounting
Access Plate
11" [280mm]
46" [1168mm]
2-3/4" [70mm]
92" [2337mm]

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

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