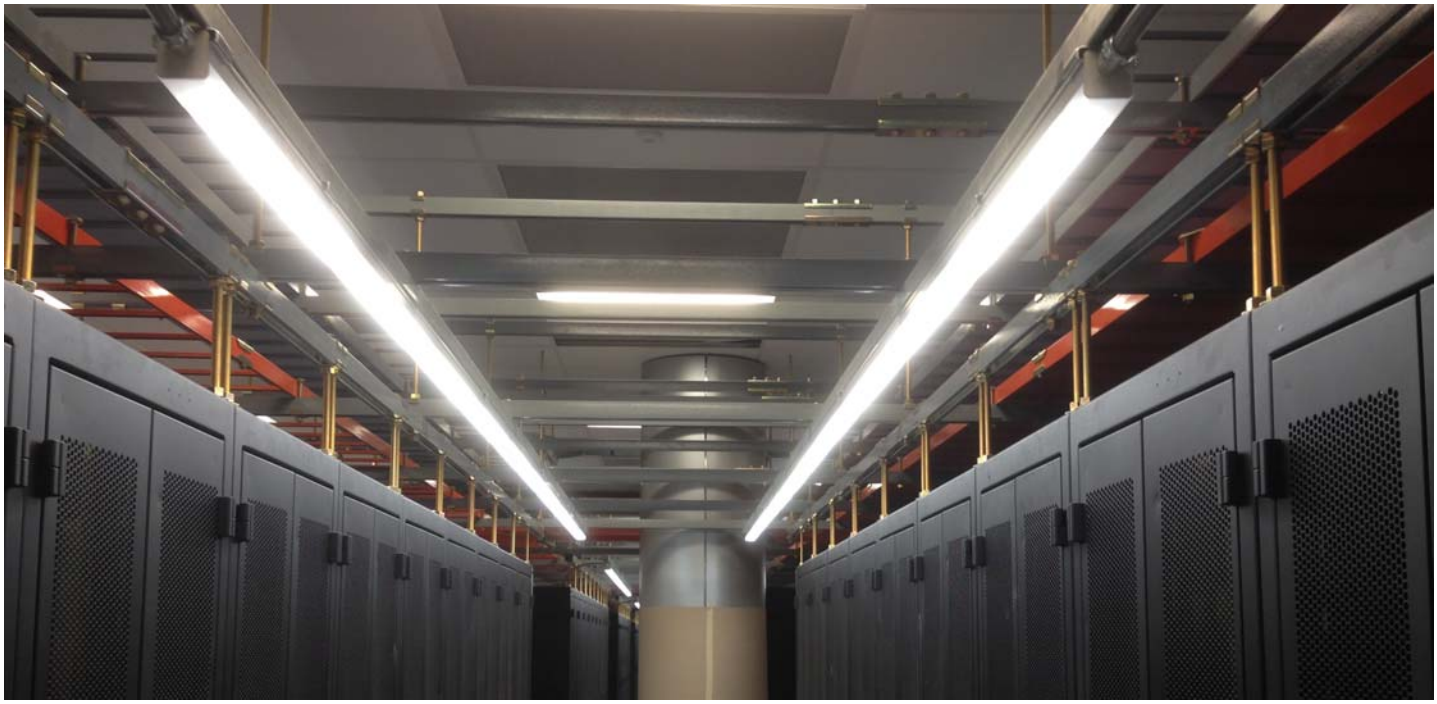
AIREY-THOMPSON
Manufacturing Quality Luminaires

51L LED SERIES
OVERHEAD FRAME MOUNTED AISLE LIGHTING
DATA CENTER / CENTRAL OFFICE APPLICATION



Rapid Install For Continuous Row Applications

Single Tool Installation

Through wiring with quick connect options

FEATURES

Hanger brackets allow easy mounting to overhead framing anywhere along the luminaire **(= labor savings)**

Everything is included to make seamless joints for continuous row mounting **(= labor savings)**

Sleek 2" by 2" profile reduces disruptions to cooling air flow

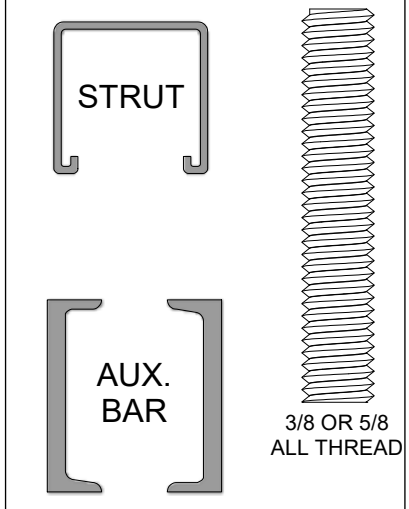
Integral 120/277V driver

L70> 72,000 hours

Color consistency < 3SDCM

Hot aisle compatible up to 120° F

EASILY MOUNT TO A VARIETY OF OVERHEAD FRAMING



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ORDERING GUIDE

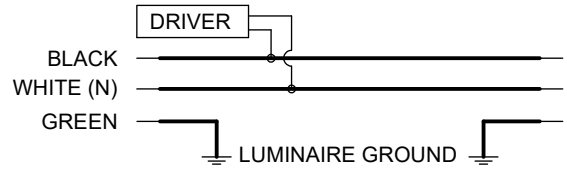
How to build a part number	Product Series	Light Output	Length in Inches	Wiring Pattern	Battery Backup	Wire Connectors	Control Options
Part number format	**51L**	**N**	**96**	**-10**		**-WN**	**-NXSPL**
Choices	**51L**	**N**= Normal approx. 500 lumens per foot **H**= High approx. 610 lumens per foot ***U**= Ultra High, approx. 819 lumens per foot *For custom output, specify lumen target up to **1150** lumens per foot.	**24** **48** **96**	**-0** **-1** **-3** **-10**** **-11**** **-12****	**-EM**= 10W Battery Backup **-Y**= Additional unswitched hot circuit †	**-QC**= Quick Connect for continuous row mount applications, see feed end notes on page 3 **-WN**= Wire Nuts for individual or countinuous row mount applications	Standalone or Control fixture **-PIR**: Occupancy sensor **-NXSPL**: Hubbell NX™ PIR Occupancy/ Daylight sensor Wireless Networked fixture (Hubbell NX™) **-NXWE**: Radio module, no sensor **-NXSPWL**: PIR sensor and radio module

***Note:** Hot aisle only compatible with normal and high output.
****Note:** Controls only compatible with wiring patterns: -10, -11 and -12. All luminaires down stream controlled by control fixture must have the same wiring pattern.

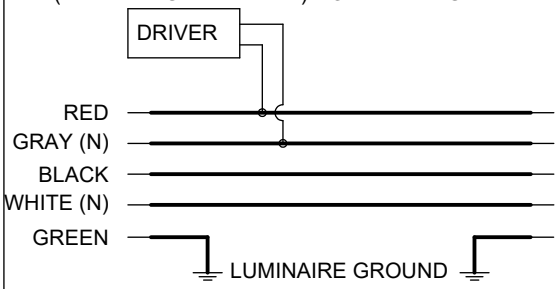
† Note: "-Y" Indicates the addition of an extra unswitched hot lead. This is only appropriate for fixtures in continuous row with an -EM fixture. Not necessary in a -EM fixture as it is already equipped with the unswitched circuit.

Consult factory for other control options and brands, we will work with you to accomodate your preferred brands

WIRING PATTERN -0
1 CIRCUIT, DRIVER CONNECTED TO THE BLACK AND WHITE WIRES

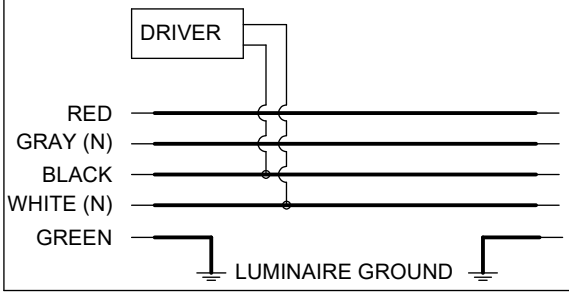


WIRING PATTERN -1
2 CIRCUIT, DRIVER CONNECTED TO THE 'A' CIRCUIT (RED AND GRAY WIRES) NON DIMMING

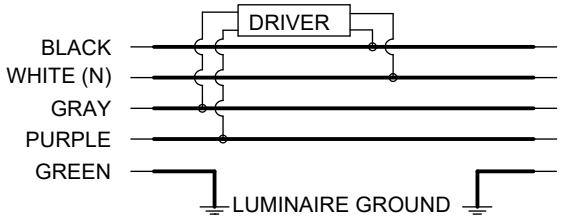


SUITABLE PAIR

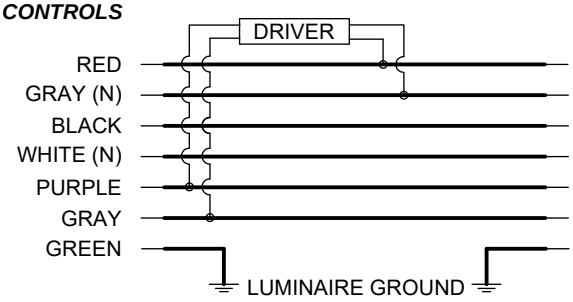
WIRING PATTERN -3
2 CIRCUIT, DRIVER CONNECTED TO THE 'B' CIRCUIT (BLACK AND WHITE WIRES) NON DIMMING



WIRING PATTERN -10
1 CIRCUIT, DRIVER CONNECTED TO THE BLACK AND WHITE WIRES + GRAY PURPLE WIRES FOR 0-10V DIMMING. ***COMPATIBLE WITH HUBBELL CONTROLS***

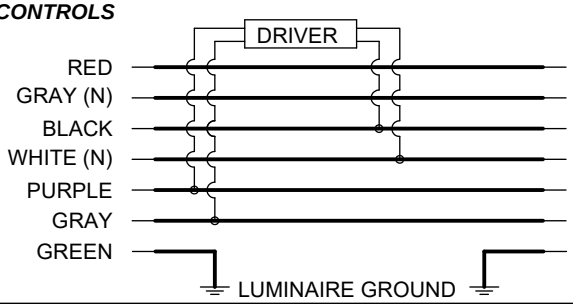


WIRING PATTERN -11
2 CIRCUIT, DRIVER CONNECTED TO THE 'A' CIRCUIT (RED AND GRAY WIRES) INCLUDES GRAY AND PURPLE WIRES FOR 0-10V DIMMING. ***COMPATIBLE WITH HUBBELL CONTROLS***



SUITABLE PAIR

WIRING PATTERN -12
2 CIRCUIT, DRIVER CONNECTED TO THE 'B' CIRCUIT (BLACK AND WHITE WIRES) INCLUDES GRAY AND PURPLE WIRES FOR 0-10V DIMMING. ***COMPATIBLE WITH HUBBELL CONTROLS***



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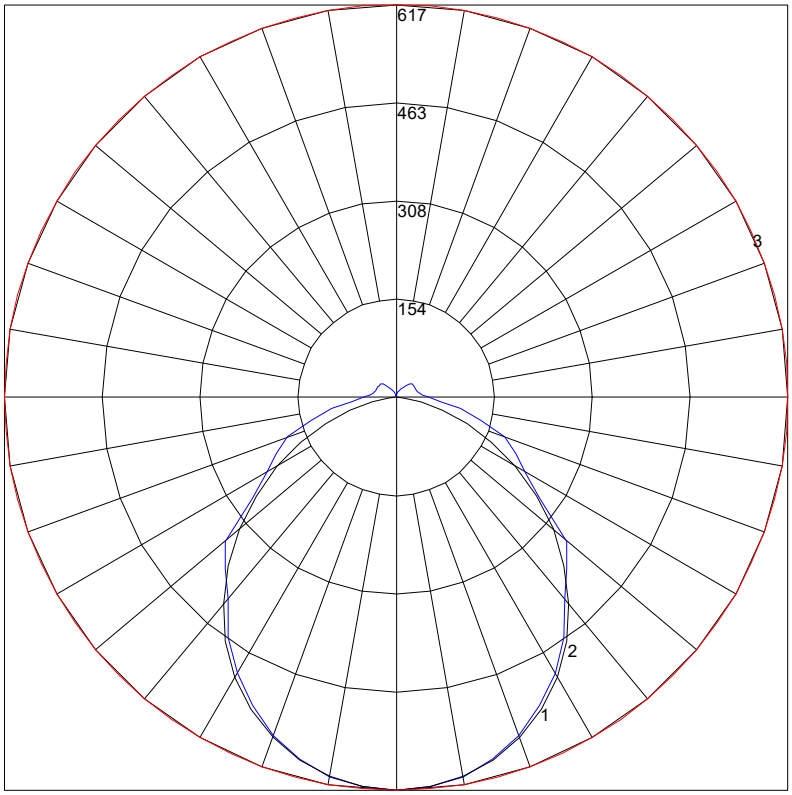


Polar graph for 51LN48

NORMAL LEVEL FIXTURES*		
OAL LENGTH	WATTAGE	LUMENS
24"	7.7	889
48"	15.9	1873
96"	31.8	3746

HIGH LEVEL FIXTURE*		
LENGTH	WATTAGE	LUMENS
24"	10.8	1245
48"	22.25	2623
96"	44.52	5245

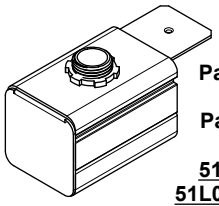
ULTRA HIGH LEVEL FIXTURES*		
LENGTH	WATTAGE	LUMENS
48"	28.5	3277
96"	56.9	6544

NOTE: Custom lumen outputs available up to 1150 Lumens per foot

*Lumen values approximate. High level fixtures should be specified for installs 9' high and above, or for wide aisles, or when black or dark cabinets are used. Ultra high is ideal for general real estate lighting above 11'.

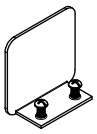
Related Components

NOTE: 1 feed end and 1 blank end are typically required per row. 2 hanger brackets required per fixture.

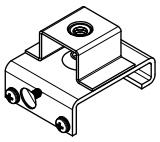


Top Feed Assembly
Part No. (For use w/ wire nuts):51L01A

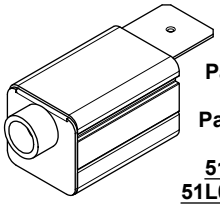
Part Nos. (For use w/ Quick Connects)
51L01A-0 (Use w/ wire pattern -0)
51L01A-1/3 (Use w/ wire pattern -1 or -3)
51L01A-11/12 (Use w/ wire pattern -11 or -12)
51L01A-13/14/15 (Use w/ wire pattern -13, 14 or -15)



Part No. 5110B
Blank End

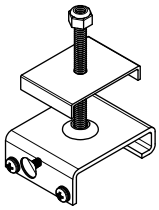


Part No. 5102-3/8D or 5102-5/8D
3/8" or 5/8" Drop Rod hanger
Non Insulated

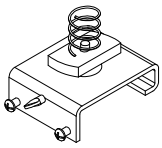


End Feed Assembly
Part No. (For use w/ wire nuts):51L01

Part Nos. (For use w/ Quick Connects)
51L01-0 (Use w/ wire pattern -0)
51L01-1/3 (Use w/ wire pattern -1 or -3)
51L01-11/12 (Use w/ wire pattern -11 or -12)
51L01-13/14/15 (Use w/ wire pattern -13, 14 or -15)



Part No. 5102-3
Aux Bar Hanger
Non Insulated



Part No. 5102U
Strut hanger
Non Insulated