

# 504 - 511

## Vandal Resistant LED Linear Fixture Wall Or Ceiling Mount Optional Tandem Mount

We reserve the right to revise the design or components of any product without notice.

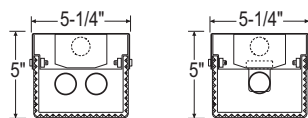
CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

### SPECIFICATIONS

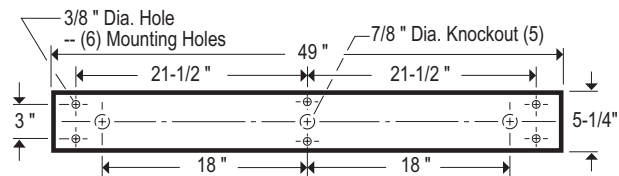
- DRIVER — Universal Volt (120-277v) electronic driver (EBU). Optional (PRS) Programmable Rapid Start.
- EMERGENCY — LED — Integral
- FINISH — All metal parts are phosphate pre-treated and finished in white oven baked polyester powder coat.
- HOUSING — Heavy 16G cold rolled steel with internally reinforced double thickness welded ends for maximum strength and rigidity.
- LIGHT ENGINE — Energy Efficient Light Emitting Diode (LED).
- LENS — 1/8" (.125) thick U.V. stabilized clear prismatic (XTL) lens installed in double wall lens channels in housing to deter unwanted entry to lamp compartments.
- LENS FASTENERS — Stainless steel tamperproof screws to secure lens in place (3) on each side—(6) total.
- REFLECTOR — 20G cold rolled steel die formed with multiple bends for maximum rigidity and unitized with all electrical components.
- COMPLIANCE — Built to comply with U.S. and Canadian safety standards. Ceiling Mount: Suitable For Wet Location. Wall Mount: Suitable For Damp Location.



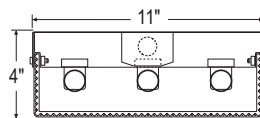
### DIMENSIONS



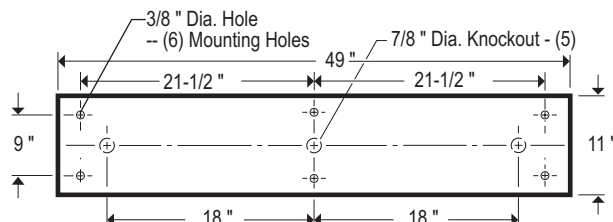
**504 Series**



**504 Series**



**511 Series**



**511 Series**

# 504 - 511

## Vandal Resistant Linear Fixture LED

LAMP TYPE/QTY/WATTAGE <sup>1</sup>			
Visit <a href="http://www.eclipselightinginc.com">www.eclipselightinginc.com</a> for available IES files			
Fixture	504	504-3	511
Dimensions - W x H x D	49" x 5 1/4" x 5"	37" x 5 1/4" x 5"	49" x 11" x 4"
Light Emitting Diode	LED	50w	20w / 40w

**ORDERING GUIDE:**

Series	Lamp/Wattage	Color	Voltage	Finish	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

### SERIES

- 504 = 504 Series (4ft Length x 5 1/4" Width)
- 504-3 = 504 Series (3ft Length x 5 1/4" Width)
- 511 = 511 Series (4ft Length x 11" Width)

### LAMP TYPE/QUANTITY/WATTAGE

Refer to Above Chart

### COLOR TEMPERATURE

- 3K = ±3000K range LED
- 4K = ±4000K range LED
- 5K = ±5000K range LED
- 6K = ±6500K range LED

### VOLTAGE

- 120 = 120 Volts
- 277 = 277 Volts
- 347 = 347 Volts
- EBU = Universal Volt (120-277v) Electronic Driver
- 2EBU = Two Universal Driver

### FINISH

- WH = White Only

### OPTIONS

- 81 = 156" K12 Prismatic Polycarbonate Lens
- 9002 = Tamperproof Screwdriver
- ASH = All Stainless Steel Hardware (Includes Screws, Nuts, PEMS and 1/4 Turn Fasteners.
- FUS = Single Fusing
- DFUS = Double Fusing
- GTD = Generator Transfer Device (Bodine)
- PEND = Pendant Mounting Kit, 1/2" conduit entrance hole. 2 Stems - Specify Length. Damp location only.
- PFUS = Panel Mount Fuseholder<sup>2</sup> with Screw-In Type Knob
- PRS = Programmable Rapid Start Ballast
- QTF = 1/4 Turn Fastening for LED Tray. Provides tool-less access for simple maintenance of drivers and fusing.
- SS = 18 Gauge 304 Stainless Steel Housing (Natural Satin No.4 Finish)
- TLA = Thread Locking Adhesive  
Applied onto Screw Threads for Vibration Resistance
- TDM = Tandem Mount Kit — Includes Mounting Hardware
- UDB = Up/Down Barrier - For Use with 2EBU

### LED OPTIONS

- D7 = 0-10V low-voltage LED Dimming (100-30% Standard, Consult Factory for Other)
- D8 = LED Dimming: Forward Phase (Triac)
- GC = Diffusion Lens for Glare Control of LED
- SG = 10KA Surge Protection for LED fixtures (meets ANSI spec C62.41.2)
- MSE = Motion Sensor External—Single circuit-all on, all off  
Specify Finish: White (WH)/Bronze (BZ)
- MSE2 = Motion Sensor External— Dual circuit, half on half off  
Specify Finish: White (WH)/Bronze (BZ)
- MS11 = Motion Sensor Integral<sup>3</sup> (Microwave)  
—Single Circuit:-OFF / ALL-ON
- MS12 = Motion Sensor Integral<sup>3</sup> (Microwave)  
—Single Circuit: HALF-ON / ALL-ON

### EMERGENCY OPTIONS<sup>3</sup><sup>5</sup>

**No onsite Emergency Power (AC or DC) is provided**  
Specify Fixture Voltage: 120V or 277V Power Feed  
A=120V or B=277V

### LED Emergency Battery

#### Factory Recommended

- EL82 = LED 4 Watt (Integral)
- EL85 = LED 20 Watt (Integral)
- EL88 = LED 16 Watt (Integral)

#### Premium (Bodine/Iota)

- EL61 = LED 12 Watt (Integral)
- EL63 = LED 23 Watt (Integral)
- EL67 = LED 23 Watt Cold Weather (Integral)

### NOTES:

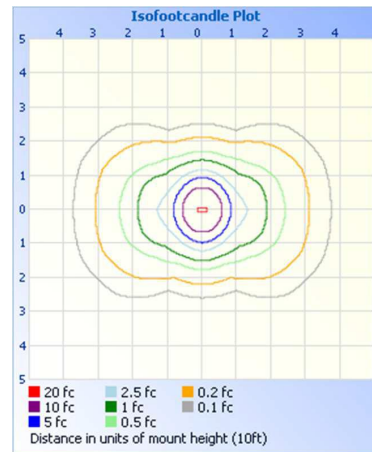
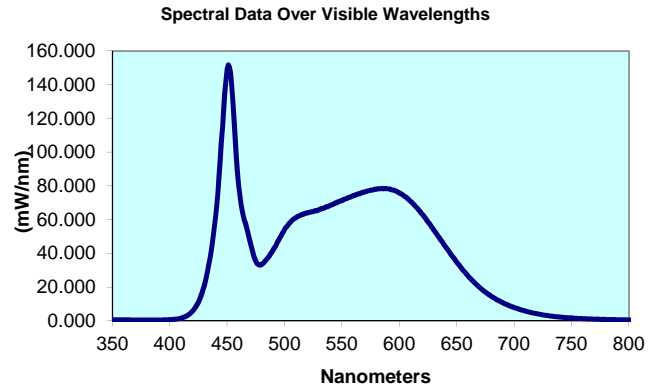
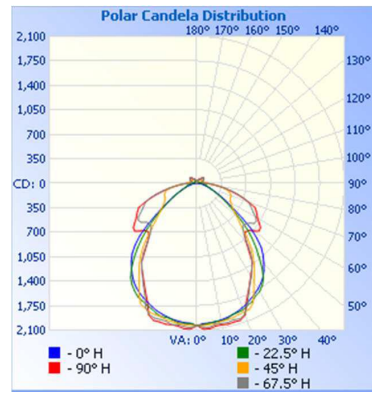
- <sup>1</sup> Consult Factory with requests regarding lamp sources, wattages or voltages not shown.
- <sup>2</sup> Consult Factory for additional Emergency Battery options.
- <sup>3</sup> Max mounting height of fixture is 10' (10 feet)
- <sup>4</sup> Panel mount fuseholders are rated for 30 Amp maximum. Specify amperage required.
- <sup>5</sup> Due to form and fit, final selection of the Battery Pack under discretion of Factory

Test Date: 06/9/2017

Tested in accordance with LM-79-80  
The results contained in this summary report pertain only to the tested sample

Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	CCT	CRI
25°C (±1°C)	277V	179.3mA	43.41W	0.874	5334	85.3

Summary of Results	
Total Lumen Output	5871 Lumens
Efficacy (Lm/W)	135.2 Lm/W
Zonal Lumen Summary	
Zone	% Luminaire
0-30	28.6
0-40	45.0
0-60	71.4
60-90	21.3
0-90	92.7
90-180	7.3
0-180	100.0



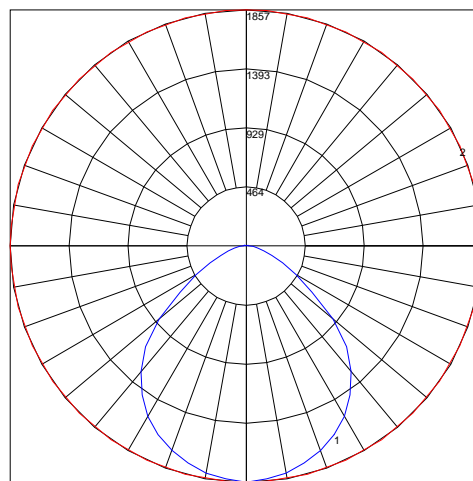
	Illuminance at a Distance	
	Center Beam fc	Beam Width
1.7R	705 fc	3.8 ft 3.0 ft
3.3R	187 fc	7.3 ft 5.8 ft
5.0R	81.5 fc	11.0 ft 8.8 ft
6.7R	45.4 fc	14.8 ft 11.8 ft
8.3R	29.6 fc	18.3 ft 14.6 ft
10.0R	20.4 fc	22.1 ft 17.6 ft

■ Vert. Spread: 95.7°  
■ Horiz. Spread: 82.8°

Test # L10131902  
 511-LED60-(2)EBU-WHT  
 49"L, X 11"W, X 4"H. LED Fixture with Prismatic Lens  
 Date: 10/03/2013

		Coefficients of Utilization								
		80%			70%			50%		
Room Cavity Ratio	PCC>	70%	50%	30%	70%	50%	30%	50%	30%	
	0	116	116	116	112	112	112	104	104	
	1	104	98	93	100	94	90	88	84	
	2	94	85	77	90	82	75	76	71	
	3	86	75	66	82	72	64	67	61	
	4	78	66	57	75	64	56	60	53	
	5	72	59	50	69	57	49	54	46	
	6	67	53	44	64	52	43	49	41	
	7	62	48	40	59	47	39	44	37	
	8	58	44	36	55	43	35	41	33	
	9	54	40	32	52	39	32	37	30	
10	50	37	29	49	36	29	35	28		

Rm. Percentage = 20%; PCC = Ceiling Reflectance;  
 PW = Wall Reflectance



POWER FACTOR	120 V
LUMENS (Light Output)	6300.74
WATTS (At Test)	70.54
EFFICACY (Lumens per Watt)	89
CRI (Color Rendering Index)	87
CCT (Correlated Color Temp.)	4089K

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1435.91	22.80
0-40	2346.2	37.20
0-60	4033.02	64.00
0-90	5548.32	88.10
40-70	2203.57	35.00
60-80	1012.2	16.10
90-180	752.41	11.90
0-180	6300.74	100.00