

## DESCRIPTION

The RZL is a suspended linear direct and semi-direct LED continuous row solution for new and retrofit construction. Designed for larger open ceiling environments, the RZL offers advanced LED technology and optical distributions that deliver high quality soft diffuse illumination while minimizing installation costs with the ability to mount continuously with 4, 8 and 12 foot modular sections. The wide variety of styles and lumen outputs available make it easy to use in a variety of building environments including aisleways, open offices, retail, educational facilities and low bay applications.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

## SPECIFICATION FEATURES

### Construction

Compact 3.5" x 6.4" profile with a die-formed 20 gauge cold rolled steel upper channel for strength and rigidity combined with a die-formed aluminum lower housing.

### End Caps & Joining Covers

End caps and joiner covers are injection molded polycarbonate, mechanically attached with no fasteners.

### Shielding

WL option: snap-on three-sided frosted linear prismatic acrylic lens, 0.125 inches thick.

### Electrical

Fixture equipped with proprietary Eaton's Cooper Lighting solid state light engines. LEDs are available in 3000K, 3500K or 4000K with a typical CRI ≥ 85. Modules are coupled with high efficiency electronic LED drivers for optimal performance. Standard drivers are 0-10 volt continuous dimming that work with any 0-10V control/dimmer; specify -STD in driver options. The RZL is Powered by Fifth Light with Digital Addressable Lighting Interface (DALI) drivers; specify -FLT in driver options.

### Mounting

Aircraft cable mounts on 4'-0", 8'-0" and 12'-0" centers. Fixture is balanced to allow for minimal leveling and simple installation. Refer to installation instructions for various ceiling interface details. Rigid pendant options are available.

### Finish

Fixture housings are high reflectance white (standard) using electrostatically applied polyester powder coat paint. Silver and custom colors are available. Injection molded pieces are color matched.

### Compliance

Components are UL recognized and luminaires are cULus listed for 25°C ambient environments, damp location listed, and RoHS compliant.

### Life and Warranty

Greater than 70% lumen maintenance expected at 60,000 hours, based off LM-80 test data and TM-21 standards. Five-year warranty.



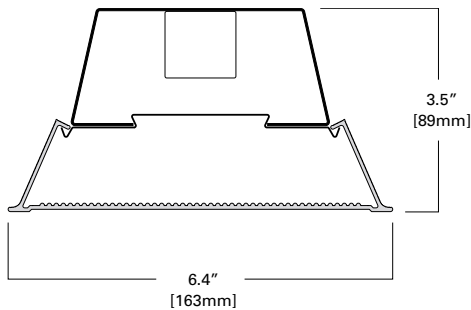
## RZL-WL

Uplight  
Frosted Linear Prismatic

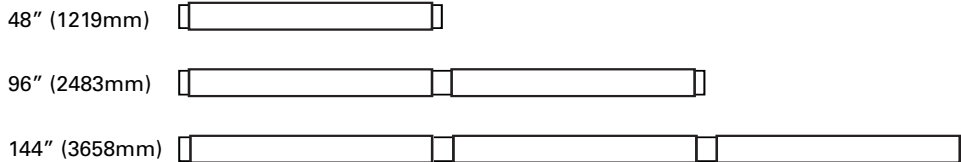
LED

Suspended  
Semi-Direct

Light Distribution  
Direct - 88%  
Indirect - 12%



### Fixture Lengths



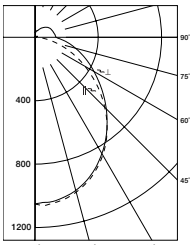
## ORDERING INFORMATION

Sample Number: RZL-WL-3L35-1D-UNV-AC120-T1-56

Series	Optics Up	Optics Down	Light Level (per 4' section, 3500K)	Color Temperature	Number of Circuits	Wiring	Input Voltage
RZL = Linear Direct LED Luminaire	W = With Uplight (12% Up)	L = Frosted Linear Prismatic Lens	1 = Light Level 1 (3220 Lms, 30 W) 2 = Light Level 2 (4290 Lms, 42 W) 3 = Light Level 3 (5360 Lms, 48 W) 4 = Light Level 4 (6970 Lms, 66 W) 5 = Light Level 5 (8580 Lms 84 W)	L30 = LED 3000K L35 = LED 3500K L40 = LED 4000K	1 = 1 Circuit	C = Switched Circuit <sup>(1)</sup> D = 0-10V Dimming <sup>(1)</sup> B = Battery E = Emergency Circuit T = Night Light Y = Daylight	120 = 120V 277 = 277V UNV = Universal (120V-277V) 347 = 347V <sup>(2)</sup>
Suspension	Power Feed	Suspension Length	Ceiling Type	Run Length	Driver Options	Integral Sensor (Optional)	Finish
A = Aircraft Cable P = Rigid Pendant	C = Straight Cord K = Curly Cord P = Rigid Pendant	Adjustable Cable <sup>(3)</sup> 48", 120", 240", 300", or 360" Rigid Pendant 12", 24", 36", 48", 60", 72", 84", or 96"	T1 = 1" T-Bar T9 = 9/16" T-Bar TS = Slotted T Bar ST = Structure JB = 4" Octagonal J-Box	4 = 4 ft 8 = 8 ft 12 = 12 ft XX = Specify Row Length <sup>(4)</sup>	STD = Standard 0-10V 5LT = Fifth Light DALI STP = Step-Dim (Bi-Level)	SV = Integral Occupancy/ Daylight Sensor <sup>(5)</sup>	W = White S = Silver CC = Custom Color

NOTES: <sup>(1)</sup>Dimming wires come standard with all fixtures. Control wires can be capped in the field for standard switched circuit operation. <sup>(2)</sup>Consult factory for 347V availability. <sup>(3)</sup>Adjustable aircraft cable allows for infinite adjustment along entire length of cable. <sup>(4)</sup>Standard row configurations over 12' are built with 8' and 12' luminaires. <sup>(5)</sup>Sensor must be combined with 0-10V dimming driver.

**PHOTOMETRICS**

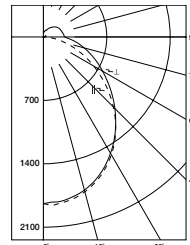


**RZL-WL-1L35-1C-UNV-4**

Linear LED 3500K  
 Spacing criterion:  
 (H) 1.2 x mounting  
 height, (L) 1.2 x  
 mounting height  
 Lumens: 3217  
 Input Watts: 30.0W  
 Efficacy: 107 LPW  
 Test Report:  
 RZL-WL-1L35-1C-  
 UNV-4.IES

**Candlepower**

Angle	Along H	45°	Across L
0	1042	1042	1042
10	1031	1024	1018
20	963	957	952
30	850	846	840
40	703	703	704
50	533	541	561
60	364	387	428
70	210	254	314
80	86	146	217
90	1	67	132
100	7	74	125
110	15	76	118
120	22	72	111
130	28	66	97
140	32	56	78
150	35	46	58
160	36	41	44
170	36	35	34
180	35	35	35



**RZL-WL-3L35-1C-UNV-4**

Linear LED 3500K  
 Spacing criterion:  
 (H) 1.2 x mounting  
 height, (L) 1.2 x  
 mounting height  
 Lumens: 5361  
 Input Watts: 48.3W  
 Efficacy: 111 LPW  
 Test Report:  
 RZL-WL-3L35-1C-  
 UNV-4.IES

**Candlepower**

Angle	Along H	45°	Across L
0	1736	1736	1736
10	1718	1707	1697
20	1604	1594	1586
30	1418	1409	1400
40	1171	1171	1173
50	889	902	935
60	606	644	714
70	350	423	524
80	144	243	362
90	2	112	220
100	12	124	208
110	25	127	197
120	36	121	185
130	46	111	162
140	53	94	130
150	58	76	97
160	60	68	73
170	60	58	56
180	58	58	58

**Zonal Lumen Summary**

Zone	Lumens	%Fixture
0-30	794	24.7
0-40	1278	39.7
0-60	2174	67.6
0-90	2821	87.7
0-180	3217	100.0

**Luminance Data**

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	4346	4271	4287
55	3864	3859	4048
65	3344	3533	4031
75	2741	3435	4455
85	2320	4539	6864

**Zonal Lumen Summary**

Zone	Lumens	%Fixture
0-30	1324	24.7
0-40	2130	39.7
0-60	3623	67.6
0-90	4702	87.7
0-180	5361	100.0

**Luminance Data**

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	7244	7118	7145
55	6439	6432	6747
65	5574	5888	6718
75	4568	5728	7427
85	3865	7564	11435