

FEATURES & SPECIFICATIONS

INTENDED USE — The 2GTL LED recessed troffer offers a wide range of lumen packages, color temperatures, and lens options to meet the lighting needs for a wide range of applications such as schools, offices, and hospitals. The light engine delivers long life and excellent color to ensure a sound quality, low-maintenance lighting installation. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — Housing formed from 22 gauge cold-rolled steel. Smooth hemmed sides and smooth inward formed end flanges for safe handling. Includes integral T-bar clips. Lighter-weight fixture allows for safe, easy installation.

OPTICS — Highly transmissive pattern #12 lens diffuses the light source without compromising output. Pattern #19 and satin white lens options also available.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide extended service life. 80% LED lumen maintenance at 72,000 hours (L80/72,000).

elDoLED driver options deliver choice of dimming range, and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Optional nLight® embedded controls make each luminaire addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight enabled control devices and the GTL luminaires using standard Cat-5 cabling. Unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission. Lumen Management: Unique lumen management system (option N80) provides onboard intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

The step-level dimming option (SLD) allows the system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

Ballast disconnect is provided where required to comply with U.S. and Canadian codes.

INSTALLATION — LED boards include plug-in connectors for easy of upgradeability. Suitable for direct insulation contact. Suitable for damp location.

LISTINGS — CSA certified to meet U.S. and Canadian standards. IC rated. DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Catalog Number
Notes
Type



GTL Series

2GTL

2' x 4'

LED Recessed Troffer

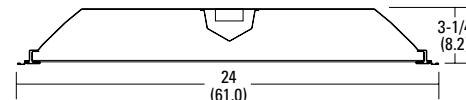


Specifications

Length: 48 (122.0)

Width: 24 (61.0)

Depth: 3-1/4 (8.2)



All dimensions are inches (centimeters) unless otherwise indicated.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a **shaded background***
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

2GTL LED Troffer



A+ Capable options indicated by this color background.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 2GTL 4 48L GZ10 LP835

2GTL						
Series	Trim type	Length	Lumens ¹	Door	Lens	Voltage
2GTL 2' wide recessed LED luminaire	(blank) Grid F Overlapping flange	4 4'	30L 3000 lumens 40L 4000 lumens 48L 4800 lumens 60L 6000 lumens 72L 7200 lumens 88L 8800 lumens 100L 10000 lumens 140L 14000 lumens ²	(blank) Flush steel, white FN Flush aluminum, natural FM Flush aluminum, matte black FW Flush aluminum, white RN Regressed aluminum, natural RM Regressed aluminum, matte black RW Regressed aluminum, white	(blank) #12 pattern acrylic, 0.110" thick A12125 #12 pattern acrylic, frosted, .125" thick A19 #19 pattern acrylic, 0.156" thick SWL Satin white	(blank) MVOLT (120-277V) 120 120V 277 277V 347 347V ³

Driver	Color temperature	Controls ⁶	Options
EZ1 eldoLED dims to 1 %	LP830 3000 K	(blank) No controls	EL7L 700 lumen emergency battery (Noncompliant with CA T20) ^{5,7,8}
GZ10 Dims to 10% (0-10V dimming)	LP835 3500 K	N80 nLight with 80% (L80) lumen management	EL14L 1400 lumen emergency battery (Noncompliant with CA T20) ^{5,7,8}
GZ1 Dims to 1% (0-10V dimming)	LP840 4000 K	N80EMG nLight with 80% (L80) lumen management for use with generator supply emergency power	E10WLCP EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ^{5,7,8}
SLD Step-level dimming ^{4,5}	LP850 5000 K	N100 nLight without lumen management	BGTD Bodine Generator Transfer Device ^{9,10,11}
		N100EMG nLight without lumen management for use with generator supply emergency power	CP Chicago plenum
			PWS1836 6' pre-wire, 3/8" diameter, 18-gauge, 1-circuit
			PWS1846 6' pre-wire, 3/8" diameter, 18-gauge, 2-circuit
			ABC Door frame gasketing ¹²
			GLR Fast-blowing fuse ¹³
			GMF Slow-blowing fuse ¹³
			LATC Earthquake clip
			NPLT Narrow pallet
			PAF Paint after fab

Accessories: Order as separate catalog number.

DGA24 Drywall grid adapter for 2x4 recessed fixture.
2X4SMKSH PAF Surface Mount Troffer Kit Post Paint

Notes

- 1 Approximate lumen output. Lumen output will vary depending upon lens option chosen.
- 2 Not available with GZ10.
- 3 Not available with SLD, EL7L, EL14L, E10WLCP or BGTD.
- 4 Not available with 100L and 140L.
- 5 When using pre-wire option, use PWS1846.
- 6 Not available with SLD, GZ1, GZ10.
- 7 Not available with SLD or GZ1 or GZ10 when combined with any of the following lumen packages: 72L, 88L, 100L or 140L.
- 8 Not available with EZ1 when combined with 100L or 140L lumen packages.

9 Not Available with SLD.

10 Not Available with Controls options when ordered in combination with 100L or 140L lumen packages.

11 Must specify voltage. Requires BSE labeling, voltage specific. Consult factory for options. Example: BGTD BSE10.

12 Only available with aluminum door.

13 Must specify voltage, 120 or 277.

14 For CEC (T20) compliant option, substitute EL14L option with E10WLCP "EM self- diagnostic battery pack 10W constant power, CEC compliant".

Stock/Non-configurable models are offered for shorter lead times:

ORDERING INFORMATION

Catalog Number	UPC	Description	Lumens	Color Temperature	Voltage	Wattage	Pallet qty.	Standard carton qty.
2GTL4 4400LM LP835	889804706598	2x4 LED lay-in troffer	4391	3500K	120-277	34.10	28	1
2GTL4 4400LM LP840	889804706956	2x4 LED lay-in troffer	4567	4000K	120-277	34.10	28	1
2GTL4 4400LM 347 LP835	889804710243	2x4 LED lay-in troffer, 347v	4391	3500K	347	38.11	28	1
2GTL4 4400LM 347 LP840	889804710359	2x4 LED lay-in troffer, 347v	4567	4000K	347	38.11	28	1
2GTL4 4400LM EL14L LP835 ¹⁴	889804710045	2x4 LED lay-in troffer, emergency battery	4391	3500K	120-277	34.10	28	1
2GTL4 4400LM EL14L LP840 ¹⁴	889804710205	2x4 LED lay-in troffer, emergency battery	4567	4000K	120-277	34.10	28	1
2GTL4 5000LM LP835	889804710366	2x4 LED lay-in troffer	4867	3500K	120-277	38.79	28	1
2GTL4 5000LM LP840	889804710458	2x4 LED lay-in troffer	5062	4000K	120-277	38.79	28	1
2GTL4 5000LM 347 LP835	889804710489	2x4 LED lay-in troffer, 347v	4867	3500K	347	42.78	28	1
2GTL4 5000LM 347 LP840	889804710595	2x4 LED lay-in troffer, 347v	5062	4000K	347	42.78	28	1
2GTL4 5000LM EL14L LP835 ¹⁴	889804710625	2x4 LED lay-in troffer, emergency battery	4867	3500K	120-277	38.79	28	1
2GTL4 5000LM EL14L LP840 ¹⁴	889804710700	2x4 LED lay-in troffer, emergency battery	5062	4000K	120-277	38.79	28	1

Performance Data			
Lumen Package	Lumens	Input Watts	LPW
30L LP830	2923.34	23.3	125
30L LP835	2983	23.3	128
30L LP840	3102.32	23.3	133
30L LP850	3161.98	23.3	136
40L LP830	3843.56	29.83	129
40L LP835	3922	29.83	131
40L LP840	4078.88	29.83	137
40L LP850	4157.32	29.83	139
48L LP830	4681.46	35.79	131
48L LP835	4777	35.79	133
48L LP840	4968.08	35.79	139
48L LP850	5063.62	35.79	141
60L LP830	6093.64	48.82	125
60L LP835	6218	48.82	127
60L LP840	6466.72	48.82	132
60L LP850	6591.08	48.82	135
72L LP830	7203.98	53.32	135
72L LP835	7351	53.32	138
72L LP840	7645.04	53.32	143
72L LP850	7792.06	53.32	146
88L LP830	8563.24	65	132
88L LP835	8738	65	134
88L LP840	9087.52	65	140
88L LP850	9262.28	65	143
100L LP830	10449.74	82.75	126
100L LP835	10663	82.75	129
100L LP840	11089.52	82.75	134
100L LP850	11302.78	82.75	137
140L LP830	13306.44	110.25	121
140L LP835	13578	110.25	123
140L LP840	14121.12	110.25	128
140L LP850	14392.68	110.25	131

Note: Performance based on standard #12 pattern acrylic lens.

How to Estimate Delivered Lumens in Emergency Mode

Use the formula below to estimate the delivered lumens in emergency mode

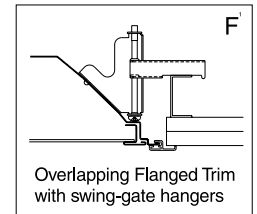
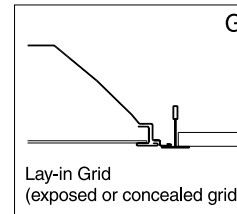
$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output power of emergency driver. P = 10W for E10WLCP option.

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet. LPW = Lumen per watt rating of the luminaire. LPW information available in Performance Data section.

MOUNTING DATA

Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).

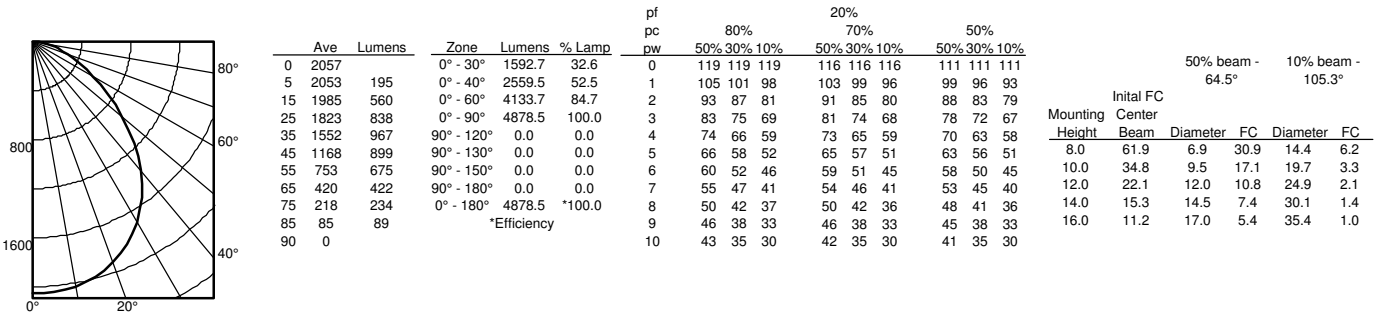


NOTE:

- 1 Recommended rough-in dimensions for F-trim fixtures 24"x48" (Tolerance is +1/4"-0"). Swing-gate range 1-3/16" to 3-15/16". Swing-gate span 23-3/8" to 26-11/16". Fixture swing-gate points require additional 1-1/16" over nominal fixture height.

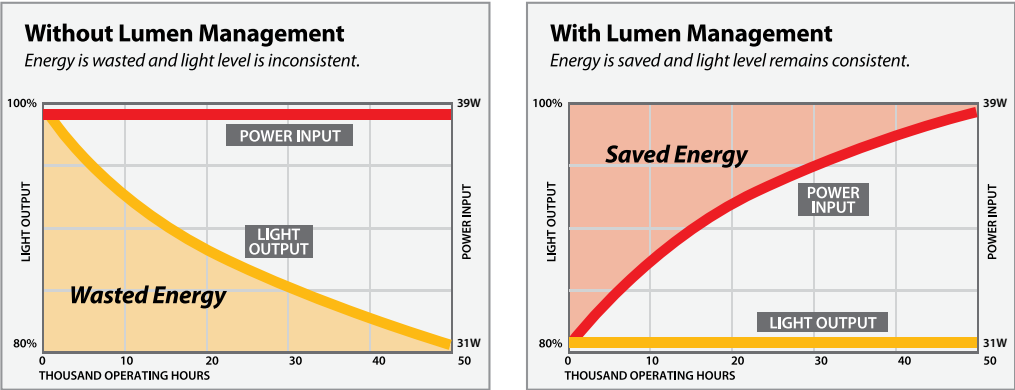
PHOTOMETRICS

2GTL 4 48L LP835, 4878 delivered lumens, test no. ISF 36875P10, tested in accordance to IESNA LM-79.



Constant Lumen Management

Enabled by the embedded nLight control, the GTL actively tracks its run-time and manages its light source such that constant lumen output is maintained over the system life. Referred to as lumen management, this feature eliminates the energy waste created by the traditional practice of over-lighting.



FEATURES & SPECIFICATIONS

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CONSTRUCTION — Housing formed from 22 gauge cold-rolled steel. Smooth hemmed sides and smooth inward formed end flanges for safe handling. Includes integral T-bar clips. Lighter-weight fixture allows for safe, easy installation.

OPTICS — Highly transmissive pattern #12 lens diffuses the light source without compromising output. Pattern #19 and satin white lens options also available.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide extended service life. 80% LED lumen maintenance at 72,000 hours (L80/72,000).

elDoLED driver options deliver choice of dimming range, and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

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The step-level dimming option (SLD) allows the system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

Ballast disconnect is provided where required to comply with U.S. and Canadian codes.

INSTALLATION — LED boards include plug-in connectors for easy of upgradeability. Suitable for direct insulation contact. Suitable for damp location.

LISTINGS — CSA certified to meet U.S. and Canadian standards. IC rated. DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Catalog Number
Notes
Type



GTL Series
2GTL
2' x 2'
LED Recessed Troffer

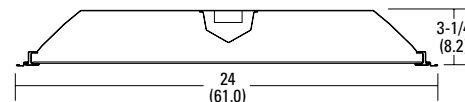


Specifications

Length: 24 (61.0)

Width: 24 (61.0)

Depth: 3-1/4 (8.2)



All dimensions are inches (centimeters) unless otherwise indicated.

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a **shaded background***
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

2GTL LED Troffer



A+ Capable options indicated by this color background.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 2GTL 2 33L GZ10 LP835

2GTL						
Series	Trim type	Length	Lumens ¹	Door	Lens	Voltage
2GTL 2' wide recessed LED luminaire	(blank) Grid F Overlapping flange	2 2'	20L 2000 lumens 33L 3300 lumens 40L 4000 lumens 48L 4800 lumens	(blank) Flush steel, white FN Flush aluminum, natural FM Flush aluminum, matte black FW Flush aluminum, white RN Regressed aluminum, natural RM Regressed aluminum, matte black RW Regressed aluminum, white	(blank) #12 pattern acrylic, 0.110" thick A12125 #12 pattern acrylic, frosted, .125" thick A19 #19 pattern acrylic, 0.156" thick SWL Satin white	(blank) MVOLT (120-277V) 120 120V 277 277V 347 347V ²

Driver	Color temperature	Controls ⁴	Options
EZ1 eldoLED dims to 1 %	LP830 3000 K	(blank) No controls	EL7L 700 lumen emergency battery (Noncompliant with CA T20) ^{3,5,6}
GZ10 Dims to 10% (0-10V dimming)	LP835 3500 K	N80 nLight with 80% (L80) lumen management	EL14L 1400 lumen emergency battery (Noncompliant with CA T20) ^{3,5,6}
GZ1 Dims to 1% (0-10V dimming)	LP840 4000 K	N80EMG nLight with 80% (L80) lumen management for use with generator supply emergency power	E10WLCP EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ³
SLD Step-level dimming ³	LP850 5000 K	N100 nLight without lumen management	BGTD Bodine Generator Transfer Device ^{7,8}
		N100EMG nLight without lumen management for use with generator supply emergency power	CP Chicago plenum
			PWS1836 6' pre-wire, 3/8" diameter, 18-gauge, 1-circuit
			PWS1846 6' pre-wire, 3/8" diameter, 18-gauge, 2-circuit
			ABC Door frame gasketing ⁹
			GLR Fast-blowing fuse ¹⁰
			GMF Slow-blowing fuse ¹⁰
			LATC Earthquake clip
			NPLT Narrow pallet
			PAF Paint after fab

Accessories: Order as separate catalog number.

DGA22 Drywall grid adapter for 2x2 recessed fixture.
2X2SMKSH PAF Surface Mount Troffer Kit Post Paint

Notes

- 1 Approximate lumen output. Lumen output will vary depending upon lens option chosen.
- 2 Not available with SLD, EL7L, EL14L, E10WLCP, or BGTD.
- 3 When using pre-wire option, use PWS1846.
- 4 Not available with SLD, GZ1, GZ10.
- 5 Not available with EZ1, and SLD when combined with 40L or 48L lumen packages.
- 6 Not available with GZ1 or GZ10 when combined with 48L lumen package.
- 7 Not available with SLD.
- 8 Must specify voltage. Requires BSE labeling, voltage specific. Consult factory for options. Example: BGTD BSE10.
- 9 Only available with aluminum door.
- 10 Must specify voltage, 120 or 277.
- 11 For CEC (T20) compliant option, substitute EL14L option with E10WLCP "EM self-diagnostic battery pack 10W constant power, CEC compliant".

Stock/Non-configurable models are offered for shorter lead times:

ORDERING INFORMATION

Catalog Number	UPC	Description	Lumens	Color Temperature	Voltage	Wattage	Pallet qty.	Standard carton qty.
2GTL2 3300LM LP835	889804702637	2x2 LED lay-in troffer	3277	3500K	120-277	27.61	56	1
2GTL2 3300LM LP840	889804702460	2x2 LED lay-in troffer	3408	4000K	120-277	27.61	56	1
2GTL2 3300LM 347 LP835	889804703634	2x2 LED lay-in troffer, 347v	3277	3500K	347	30.76	56	1
2GTL2 3300LM 347 LP840	889804703900	2x2 LED lay-in troffer, 347v	3408	4000K	347	30.76	56	1
2GTL2 3300LM EL14L LP835 ¹¹	889804704440	2x2 LED lay-in troffer, emergency battery	3277	3500K	120-277	27.61	12	1
2GTL2 3300LM EL14L LP840 ¹¹	889804706246	2x2 LED lay-in troffer, emergency battery	3408	4000K	120-277	27.61	12	1
2GTL2 3700LM LP835	889804704143	2x2 LED lay-in troffer	3702	3500K	120-277	30.96	56	1
2GTL2 3700LM LP840	889804704242	2x2 LED lay-in troffer	3850	4000K	120-277	30.96	56	1
2GTL2 3700LM 347 LP835	889804704303	2x2 LED lay-in troffer, 347v	3702	3500K	347	34.99	56	1
2GTL2 3700LM 347 LP840	889804704365	2x2 LED lay-in troffer, 347v	3850	4000K	347	34.99	56	1
2GTL2 3700LM EL14L LP835 ¹¹	889804706307	2x2 LED lay-in troffer, emergency battery	3702	3500K	120-277	30.96	12	1
2GTL2 3700LM EL14L LP840 ¹¹	889804706352	2x2 LED lay-in troffer, emergency battery	3850	4000K	120-277	30.96	12	1



2GTL 2X2

LED: One Lithonia Way Conyers, GA 30012

Phone: 800-858-7763

Fax: 770-929-8789

www.lithonia.com

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Performance Data			
Lumen Package	Lumens	Input Watts	LPW
20L LP830	2203.04	18.39	120
20L LP835	2248	18.39	122
20L LP840	2337.92	18.39	127
20L LP850	2382.88	18.39	130
33L LP830	3292.8	28.6	115
33L LP835	3360	28.6	117
33L LP840	3494.4	28.6	122
33L LP850	3561.6	28.6	125
40L LP830	3756.34	33.61	112
40L LP835	3833	33.61	114
40L LP840	3986.32	33.61	119
40L LP850	4062.98	33.61	121
48L LP830	4759.86	41.95	113
48L LP835	4857	41.95	116
48L LP840	5051.28	41.95	120
48L LP850	5148.42	41.95	123

Note: Performance based on standard #12 pattern acrylic lens.

How to Estimate Delivered Lumens in Emergency Mode

Use the formula below to estimate the delivered lumens in emergency mode

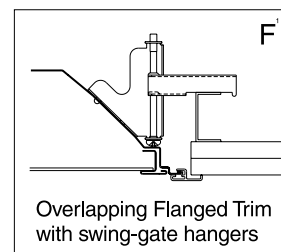
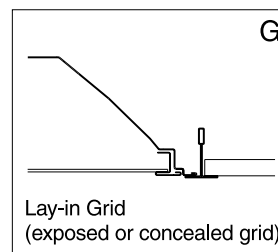
$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output power of emergency driver. P = 10W for E10WLCP option.

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet. LPW = Lumen per watt rating of the luminaire. LPW information available in Performance Data section.

MOUNTING DATA

Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).

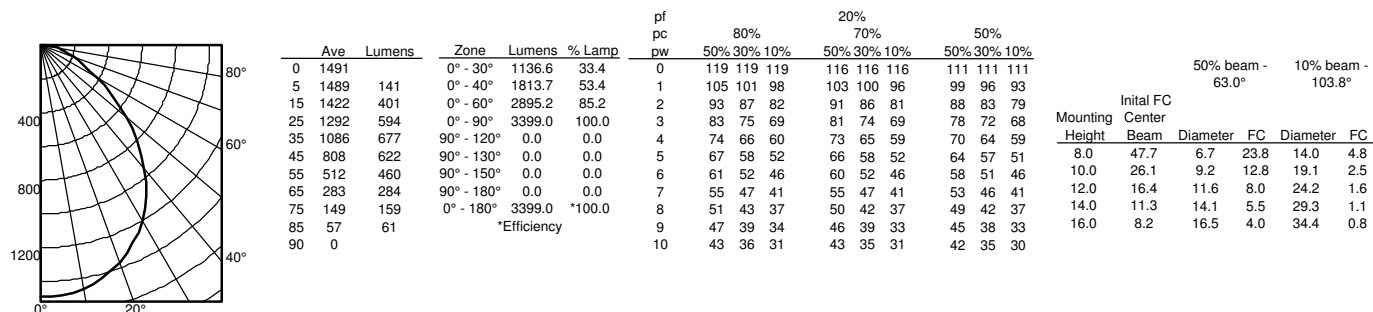


NOTE:

- 1 Recommended rough-in dimensions for F-trim fixtures 24"x24" (Tolerance is +1/4"-0"). Swing-gate range 1-3/16" to 3-15/16". Swing-gate span 23-3/8" to 26-11/16". Fixture swing-gate points require additional 1-1/16" over nominal fixture height.

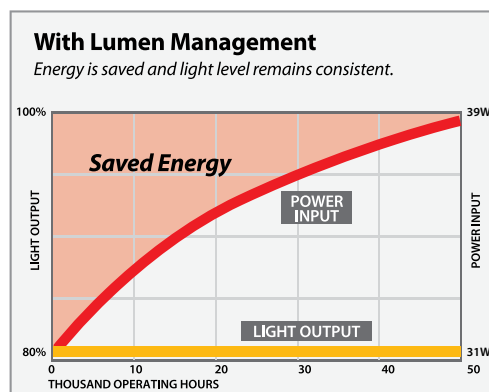
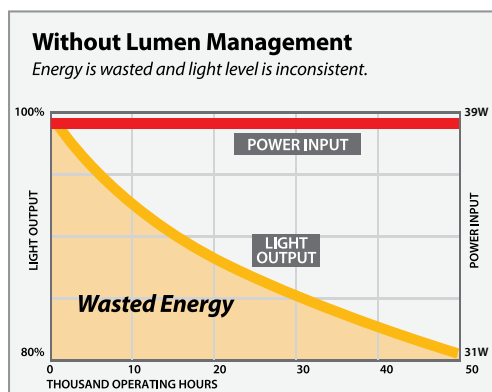
PHOTOMETRICS

2GTL 2 33L LP835, 3399 delivered lumens, test no. ISF 36873P6, tested in accordance to IESNA LM-79.



Constant Lumen Management

Enabled by the embedded nLight control, the GTL actively tracks its run-time and manages its light source such that constant lumen output is maintained over the system life. Referred to as lumen management, this feature eliminates the energy waste created by the traditional practice of over-lighting.



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 aiseways, retail, educational facilities, open offices, and low bay applications.

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. Driver accessible from below by removing gear tray assembly.

End Caps & Joining Covers

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

Light Engine

LED's are available in 3000K, 3500K or 4000K with CRI options of either ≥80CRI or ≥90CRI. Lumen output will be affected - please refer to the lumen adjustment factor table.

Electrical

Long-Life LED system coupled with integral electronic drivers to deliver optimal performance. Standard with 120-277V 0-10V dimming drivers (1% standard). 347V 0-10V drivers are available. Dimming wires come standard but can be capped in the field for standard switched operation. A single power feed drop supplied as standard.

Controls

Options compatible with Eaton's Connected Lighting Systems:

- WaveLinX sensor
- LumaWatt Pro sensor
- Fifth Light DALI driver

Refer to the Connected Lighting options page and ordering information for more details.

Mounting

Aircraft cable mounts on 4'-0", 8'-0" and 12'-0" centers. Rigid pendant options are available. Refer to installation instructions for various ceiling interface details. All sections are continuously wired with snap quick connects for fast installation. Fixtures can be joined via internal joining brackets for rigid, straight continuous runs. Surface mount available - see surface mount specification sheet.

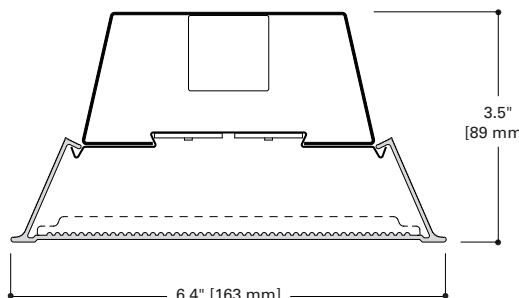
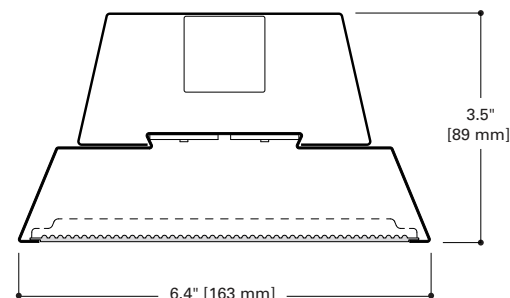
Finish

Electrostatically applied polyester powder coat paint in white, silver, or black. RAL custom colors are available. Injection molded components are color matched.

RZL
LED

Suspended
Direct / Semi-Direct

cULus - 1598
Damp Location Listed
LM79/LM80 Compliant
ROHS Compliant
DesignLights Consortium® Qualified



ORDERING INFORMATION

Sample Number: RZL-NB-50L835-1D-UNV-STD-SWPD1-ILB12-W-AC48-T1-28

Series	Shielding/Optics	Lumen Package Nominal per 4' section	CRI / Color Temperature	Circuiting	Specialty Wiring	Input Voltage
RZL = RZL Linear LED	NL = Frosted Linear Prismatic Lens (100% Down) NB = Micro Baffles / Prismatic Lens (100% Down) WL = Luminous Sides, Frosted Linear Prismatic Lens WB = Luminous Sides, Micro Baffles / Prismatic Lens WF = Metal Baffles with Perf Siderails / Smooth Frosted Lens	30L = 3,000 Lms (750 lms/ft) 40L = 4,000 Lms (1,000 lms/ft) 50L = 5,000 Lms (1,250 lms/ft) 65L = 6,500 Lms (1,625 lms/ft) 80L = 8,000 Lms (2,000 lms/ft)	830 = LED 3000K, 80 CRI 835 = LED 3500K, 80 CRI 840 = LED 4000K, 80 CRI 930 = LED 3000K, 90 CRI 935 = LED 3500K, 90 CRI 940 = LED 4000K, 90 CRI	1 = 1 Circuit	D = None E = Emergency Circuit S = Secondary Circuit N = Emergency + Secondary Circuit	UNV = Universal (120V-277V) 347 = 347V
		Nominal lumen values baselined on WB version. Refer to performance table on Page 3 for more detail. Consult factory for custom lumen outputs.	Additional lead-time may apply for 930, 935 and 940 configurations.	Refers to wiring in cross section.	Emergency and Secondary circuit section wiring are configured per 4ft section. Secondary circuit not available with integrated sensor options.	Integral 347V driver with STD 0-10V option only. Factory supplied 347V remote transformer for all other driver options.

Driver/Dimming Options	Integrated Sensor	Integral Emergency	Finish	Suspension/ Power Feed	Suspension Length	Run Length
STD = Standard 0-10V (1%-100%) SLT = Fifth Light DALI (5%-100%) LH = Lutron HiLume 1% EcoSystems L5 = Lutron 5-Series 5% EcoSystems	SWPD1 = WaveLinX Wireless Integrated Sensor LWIPD1 = LumaWatt Pro Wireless Integrated Sensor SVPD1 = 0-10V Stand-alone Integrated Sensor	ILB12 = 12-watt battery pack, 120V-277V, Iota ILB-SL-CP12 EPC = UL924 Bypass Relay	W = White S = Silver B = Black CC = Custom Color	AC = Aircraft cable PP = Rigid Pendant SS = Single Swivel Rigid Pendant	AC 48", 120", 240", 300" or 360" PP/SS 12"-96" (12" increments)	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
	Must be used with "STD" driver. Integrated Sensors combined with Emergency Circuit require one UL924 Bypass Relay per emergency section.			Rigid Pendant options available with "ST" and "JB" ceiling types. Refer to ceiling interface installation instructions for more details. White mounting hardware standard; for black mounting hardware, add "-B" after ceiling type.		Standard row configurations over 12' consist of 8' and 12' luminaires.

Lengths
Available in 4-ft, 8-ft, and 12-ft sections. All sections are modular eliminating the need for starter, joiner and end sections. Standard row configurations over 12-ft consist of 8-ft and 12-ft luminaires unless otherwise specified.

Shielding
NL: Solid aluminum sides with frosted linear prismatic lay-in flat acrylic lens, 0.125" thick. No uplight.
NB: Solid aluminum sides with high transmission 0.125" thick clear linear prismatic lay-in flat acrylic lens with white micro baffle inlay to minimize visual glare. No uplight.
WB: Snap-on three-sided high transmission 0.125" thick clear linear prismatic acrylic lens with white micro baffle inlay to minimize visual glare.
WL: Snap-on three-sided frosted linear prismatic acrylic lens, 0.125 inches thick.
WF: Die-formed aluminum baffle assembly (4" blade spacing). Perforated siderail sections are 23% open

with 0.0625" stagger hole spacing for side visual brightness. Smooth curved frosted acrylic center lens to eliminate direct view of the LEDs from below. Shielding assembly swings down for access to LEDs.

Lumen Maintenance
Projected lumen maintenance based on TM-21 standards is L85 > 60,000 hours at 25°C ambient conditions.

Emergency Options
Optional 120V-277V integral emergency battery pack is 12W maximum, 90 minute output, and powers a 4-foot section. Test switch/indicator button located on the top side of the luminaire. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 12 = 1200 lumens). The combination of integrated sensor and emergency circuit options require an EPC UL924 bypass relay that disables sensor control of emergency sections when normal power is lost.

Integrated Sensing and Control Systems
Integrated options must be used in conjunction with

the associated system and may not be compatible with other options or accessories. Please consult WaveLinx and LumaWatt Pro system pages for additional details and compatibility. Consult Marketplace Options - Lutron system pages for additional details and compatibility. Requires field commissioning to operate or dim. Contact Lutron at www.lutron.com.

Weight
4.0 - 4.5 lbs per foot.

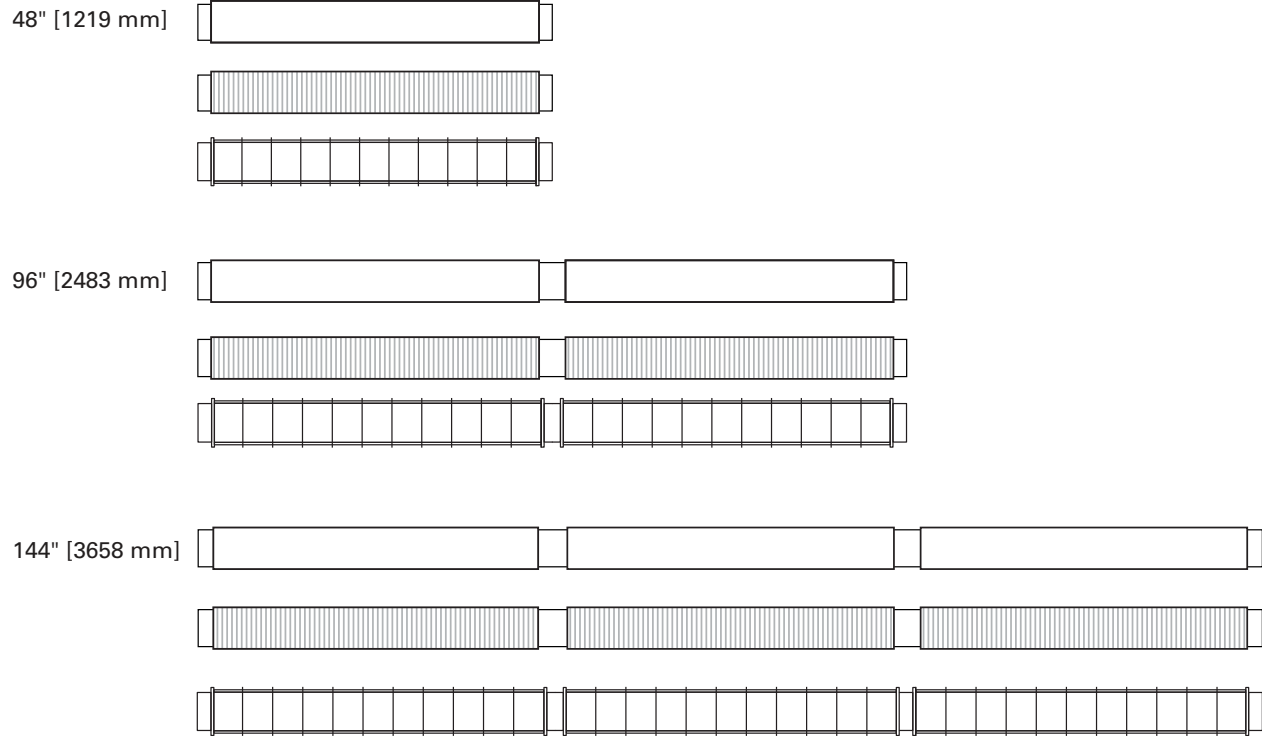
Compliance
Modules are UL recognized components and indoor luminaires are cULus listed for 25°C ambient environments, damp location listed, and RoHS compliant. LED modules comply with IESNA LM-79 and LM-80 standards. DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.

Warranty
Five year warranty.

SHIELDING OPTIONS

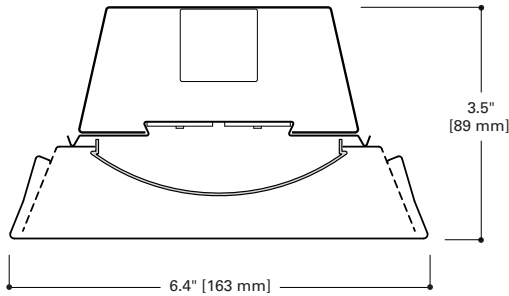


Fixture Lengths



OTHER VIEWS

RZL-WF Cross Section



SENSOR INTEGRATION

Integrated sensors are located in the joint of 8' and 12' units and in the endcap of 4' units for individual and continuous runs. Each unit can be individually controllable or grouped together with the integrated sensors.



JOINING

Fixtures are seamlessly connected together with an internal joining sleeve that provides rigidity and durability for long product runs. Simply attach the joining sleeve on one side, slide the next fixture over the joining sleeve and mechanical fasten with two screws on each side. Decorative cover plate snaps over joint to conceal all hardware.

ENERGY AND PERFORMANCE DATA

RZL LED Performance (3500K/80CRI)						
Series/ Distribution	Lumen Package	Delivered Lumens		Wattage		Efficacy LPW
		4FT	Per FT	4FT	Per FT	
RZL-NL	30L	3111	778	25	6.2	126
	40L	4123	1031	35	8.7	119
	50L	5219	1305	41	10.2	128
	65L	6807	1702	57	14.1	120
	80L	8359	2090	75	18.7	112
RZL-NB	30L	2871	718	25	6.2	116
	40L	3805	951	35	8.7	110
	50L	4816	1204	41	10.2	118
	65L	6282	1571	57	14.1	111
	80L	7714	1929	75	18.7	103
RZL-WL	30L	3286	822	25	6.2	133
	40L	4355	1089	35	8.7	125
	50L	5512	1378	41	10.2	135
	65L	7190	1798	57	14.1	127
	80L	8829	2207	75	18.7	118
RZL-WB	30L	3007	752	25	6.2	121
	40L	3985	996	35	8.7	115
	50L	5043	1261	41	10.2	123
	65L	6579	1645	57	14.1	116
	80L	8078	2020	75	18.7	108
RZL-WF	30L	3045	761	25	6.2	123
	40L	4036	1009	35	8.7	116
	50L	5108	1277	41	10.2	125
	65L	6662	1666	57	14.1	118
	80L	8181	2045	75	18.7	109

LUMEN ADJUSTMENT FACTORS

CCT	80 CRI	90 CRI
3000K	0.967	0.830
3500K	1.000	0.861
4000K	1.024	0.883

Example Calculation:

RZL-NB / 40L / 3500K / 80 CRI

Lumen Output selected = 951 lms/ft

3500K / 90 CRI Desired

Lumen Adjustment Factor = 0.861

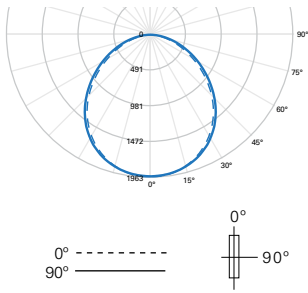
Adjusted Lumen Output = 951 lms/ft x 0.861 = 819 lms/ft

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	>85%	131,000

COLOR DATA (3500K)

		80CRI
TM-30-15	R _f	82.6
	R _g	94.9
CRI/CIE	R _a	83.6
	R _g	25.0

**FILE NAME: RZL-NL-50L835-UNV-4.IES****CCT:** (LD4) LED 3500K**LUMENS:** 5219 Lm**WATTS:** 40.9 W**EFFICACY:** 128 Lm/W**TEST NO.:** P189015

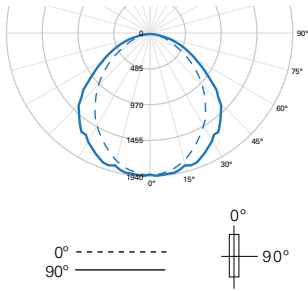
100% DOWN

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	1517	29.1
0°-90°	5219	100
90°-130°	0	0
90°-180°	0	0
0°-180°	5219	100

LUMINANCE DATA (cd/M²)

Vertical Angle	0°	45°	90°
45°	8933	9191	9347
55°	7942	8323	8563
65°	6761	7301	7712
75°	5467	6138	6701
85°	3977	4816	5239

**FILE NAME: RZL-NB-50L835-UNV-4.IES****CCT:** (LD4) LED 3500K**LUMENS:** 4816 Lm**WATTS:** 40.9 W**EFFICACY:** 118 Lm/W**TEST NO.:** P189000

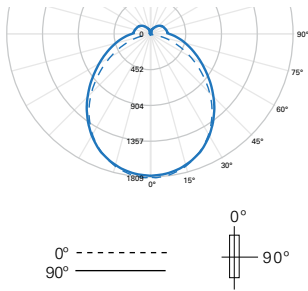
100% DOWN

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	1472	30.6
0°-90°	4816	100
90°-130°	0	0.0
90°-180°	0	0.0
0°-180°	4816	100

LUMINANCE DATA (cd/M²)

Vertical Angle	0°	45°	90°
45°	7526	8726	10263
55°	6254	7798	8721
65°	4817	5897	7430
75°	3563	4514	6243
85°	1569	2511	3458

**FILE NAME: RZL-WL-50L835-UNV-4.IES****CCT:** (LD4) LED 3500K**LUMENS:** 5512 Lm**WATTS:** 40.9 W**EFFICACY:** 135 Lm/W**TEST NO.:** P189045

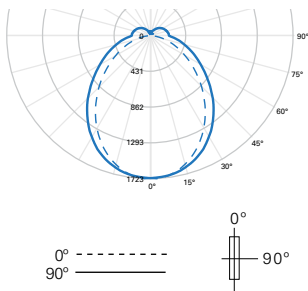
10% UP / 90% DOWN

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	1382	25.1
0°-90°	4933	89.5
90°-130°	445	8.1
90°-180°	579	10.5
0°-180°	5512	100

LUMINANCE DATA (cd/M²)

Vertical Angle	0°	45°	90°
45°	7766	6908	6758
55°	6784	5931	5916
65°	5694	4906	5234
75°	4530	4016	4798
85°	2976	3283	4641

**FILE NAME: RZL-WB-50L835-UNV-4.IES****CCT:** (LD4) LED 3500K**LUMENS:** 5043 Lm**WATTS:** 40.9 W**EFFICACY:** 123 Lm/W**TEST NO.:** P189030

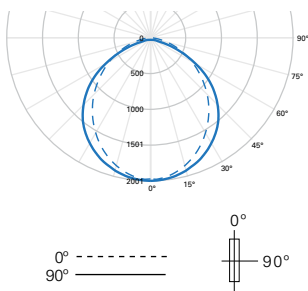
12% UP / 88% DOWN

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	1287	25.5
0°-90°	4427	87.8
90°-130°	474	9.4
90°-180°	616	12.2
0°-180°	5043	100

LUMINANCE DATA (cd/M²)

Vertical Angle	0°	45°	90°
45°	6289	5995	6401
55°	5293	5077	5593
65°	4402	4244	5017
75°	3522	3621	4647
85°	2519	3251	4669

**FILE NAME: RZL-WF-50L835-UNV-4.IES****CCT:** (LD4) LED 3500K**LUMENS:** 5108 Lm**WATTS:** 40.9 W**EFFICACY:** 125 Lm/W**TEST NO.:** P189060

100% DOWN

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	1513	29.6
0°-90°	5108	100
90°-130°	0	0
90°-180°	0	0
0°-180°	5108	100

LUMINANCE DATA (cd/M²)

Vertical Angle	0°	45°	90°
45°	8407	9107	10013
55°	7538	8385	9279
65°	6524	7239	7347
75°	5026	5203	4353
85°	3362	3470	3887

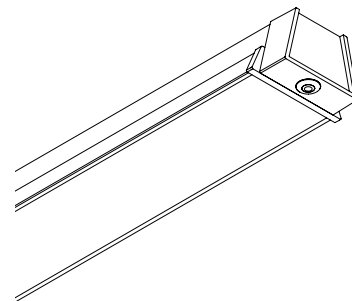
The RZL with Integrated Sensor technology provides automatic energy savings without sacrificing performance. Traditionally, these types of energy savings required coordination between the luminaire and a lighting control system. The RZL delivers superior lighting with integrated PIR occupancy sensing and daylighting controls.

Capture the benefits of traditional lighting controls, without complicated coverage planning or special wiring. Ideal for new construction or retrofit, the RZL delivers automatic ON to an energy saving light level, while ensuring lighting is turned OFF when the space is unoccupied.

The integral daylight sensors reduce the need for special daylight zone planning. The luminaire will automatically adjust the light level based on reflected light beneath the sensor in a closed loop method.

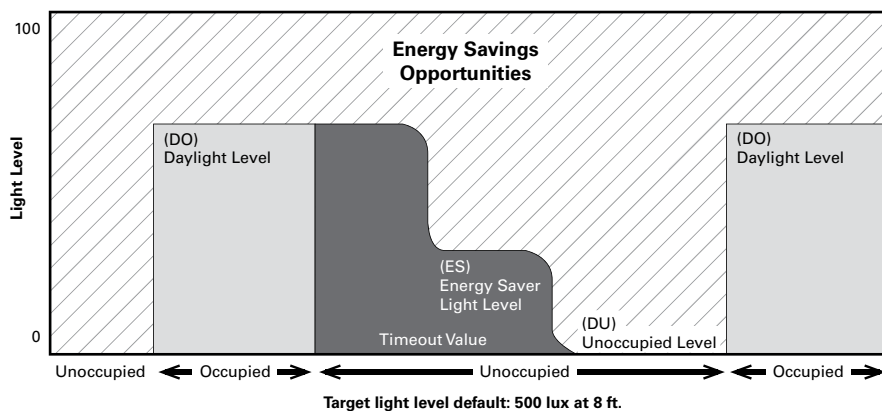
Occupied daylight light levels and unoccupied light levels can be adjusted using the integrated sensor programming remote (Catalog Number: ISHH-01). The integrated sensor personal remote (Catalog Number: ISHH-02) provides code compliant manual raise, lower, ON, OFF control.

The RZL with Integrated Sensors is easy to install with no special wiring and ensures energy savings out-of-the-box with default control settings.

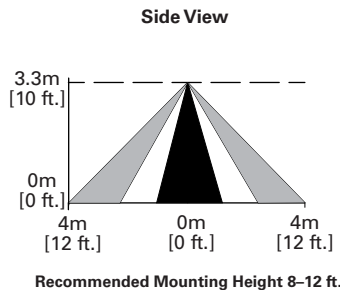
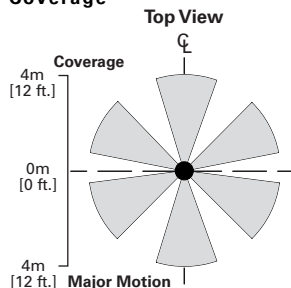


How it works:

- When a user enters under an integral sensor, the luminaire controlled by that sensor turns ON to the daylight level (default 500 lux).
- Lighting will remain at the daylight level until the space is unoccupied. This will start the occupancy timeout period (default 20 minutes).
- If the space remains unoccupied for half of the timeout period, the lighting will automatically reduce to the Energy Saver light level (default matches occupied daylight level). This adjustable light level is often set to half of the occupied daylight level.
- At the end of the timeout period the lighting will go to the unoccupied light level. This adjustable light level uses the OFF default setting.



Coverage



Optional Remote Controls



FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for applications requiring attractive die-cast aluminum signage, superior illumination and low energy consumption.

CONSTRUCTION — Precision-molded, die-cast aluminum construction — ultra-slim, compact housing. Fine-grain brushed aluminum faceplate with matte black electrostatic polymeric trim. Clear lacquer finish on brushed face inhibits fingerprints and other surface contaminants.

All electronics located inside housing.

Fully overlapping light seal prevents light leaks. Universal directional chevron knockouts are completely concealed and easily removed. Hinged faceplate and spring latches for easy lamp compartment access, no exposed hardware.

Letters 6" high with 3/4" stroke, with 100 ft viewing distance rating, based upon UL924 standards.

U.S. Patent No. 5,739,639, 5,954,423 and 6,502,044. Canada Patent No. 2,204,218. Other patents pending.

OPTICS — Lamp is constructed using new LED technology. Provides perfectly uniform illumination to meet 3/4" letter stroke required by code.

The typical life of the exit LED lamp is 10 years, based on continuous operation. Unique LED lamp platform accommodates both single-face and double-face exits.

Low energy consumption — red exit consumes std. 81W, 1.3W (120V), green exit consumes std 1W, 1.5W (120V). Universal input voltage capabilities (120V through 277V, 50 or 60 HZ).

ELECTRICAL — Solid-state electronic elements to eliminate risk of electromechanical failures.

Surge protection meets ANSI/IEEE C62.41 category B and IEC 1000 immunity standards for high voltage surges, electrostatic discharges, high frequency electrical fast transients and line voltage dips/swells.

Emergency Operation (for EL N option only): Battery: Sealed, maintenance-free nickel-cadmium battery delivers 90 minutes capacity to lamp.

Self-diagnostics (SD option only): Two-state constant-current charger maximizes battery life and automatically recharges after battery discharge. Test switch provided for manual testing.

Self-diagnostic testing for five minutes every 30 days, 30 minutes at 180-day interval, and 90 minutes annually.

Diagnostic evaluation of LED light source, AC to DC transfer, charging and battery condition.

Continuously monitors AC functionality.

Low voltage disconnect prevents excessive deep discharge that can permanently damage the battery.

Single-point microcomputer control for all electronic features.

Crystal oscillator timing system with watchdog protection for precision accuracy.

AC/LVD reset allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Brownout protection is automatically switched to emergency mode when supply voltage drops below 80% of nominal.

Single multi-chromatic LED indicator to display two-state charging, test activation and three-state diagnostic status.

Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.

Catalog Number
Notes
Type



LE surface



LRE recessed



Die-Cast Aluminum Exits

LE and LRE



INSTALLATION — Universal mounting (top, end or back). Double face available with top or end mounting only. LRE: Trim ring has 3/4" depth adjustment to ensure a flush fit against the surface. Protrudes 1/10" from the surface. No exposed hardware.

Die-cast aluminum canopy provided for surface mount only.

LISTINGS — UL damp location listed 50°F - 104°F (10°C - 40°C). Meets UL 924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards. North Carolina Department of Insurance. NEMA Premium certified.

WARRANTY — 5-year limited warranty. (Battery is prorated.) Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions

Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Note: Specifications subject to change without notice.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LE S 1 R EL N SD

Series	Face type	Housing color	Number of faces	Letter color	Input voltage	Operation	Options
LE LED, surface mount	S Stencil P Panel ¹	(blank) Matte black, brushed aluminum face BZ Dark bronze W White B Matte black	1 Single face 2 Double face ²	R Red G Green	(blank) Universal input voltage (120-277V, 50 or 60 HZ)	(blank) AC only EL N Nickel-cadmium battery back-up X2 Lamp wired on two separate AC circuits ³	(blank) None TP Two tamper proof Torx-head screws VR Vandal-resistant shield (1/8" thick polycarbonate) ⁴ FI FA Field selectable fire alarm interface or flashing emergency operation with intermittent audible alarm (one flash per minute) ⁵ FI Fire alarm flashing interface ⁶ FA Flashing emergency operation and intermittent audible alarm ⁷ SD Self-diagnostics ⁷
LRE LED, recessed							

Accessories: Order as separate catalog number.

ELA US12	12" stem kit (see spec sheet ELA-StemKits) ^{2,8}	ELA LEHO 120/277 N	Remote-capable exit with black canopy; provides 90 minutes of 11.1W capacity for remote head (see spec sheet ELA-LEHO) ^{2,8}
ELA WG1	Back-mount wire guard (see spec sheet ELA-WG) ²		
ELA WGEXT	Top-mount wire guard (see spec sheet ELA-WG) ²	ELA ERK	Recess mounting rough-in kit for LRE only (see spec sheet ELA-ERK)
ELA WGEXE	End-mount wire guard (see spec sheet ELA-WG) ²		

Notes

- Panel face available for special wording only (see Custom Signage spec sheet).
- Not available with LRE models.
- UL Listed as emergency lighting.
- VR contains tamper proof screws.
- Available with SD option only.
- Available with AC only or EL N operation only.
- Available with EL N option only.
- Add W for white.

SPECIFICATIONS

ELECTRICAL				
Primary circuit				
Type	Typical LED life¹	Supply voltage	Input watts	Max. amps
Red LED AC only	10 Years	120	0.81	0.05
		277	1.2	0.06
Green LED AC only	10 Years	120	1.05	0.05
		277	1.32	0.06
Red LED emergency	10 Years	120	1.3	0.06
		277	1.4	0.07
Green LED emergency	10 Years	120	1.5	0.07
		277	1.7	0.07

BATTERY			
Sealed Nickel-Cadmium			
Shelf life²	Typical life²	Maintenance³	Optimum temperature⁴
3 years	7-9 years	none	50°F – 104°F (10°C – 40°C)

Notes

- 1 The typical life of the exit LED lamp is 10 years, based on continuous operation.
- 2 At 77°F (25°C).
- 3 All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.
- 4 Optimum ambient temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity.

SELF-DIAGNOSTICS
(SD option only)

- Five-minute test every 30 days
- 30-minute test every six months
- 90-minute test annually
- Diagnostics evaluate the battery, lamp, charger and AC to DC transfer.

Condition	Indication
Normal mode	Steady green
Self-testing	Flashing green
Emergency mode	Off
Hi-charge	Steady red
Battery failure	Single-flash red
Lamp failure	Double-flash red
Circuit failure	Triple-flash red

KEY FEATURE

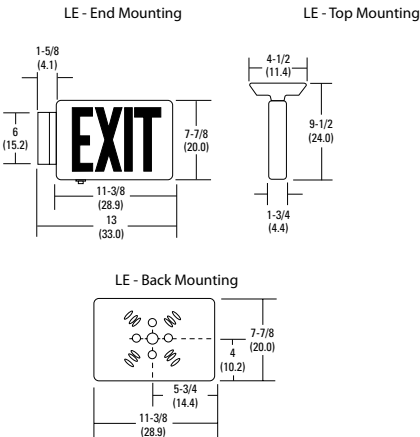


The typical life of the exit LED lamp is 10 years.

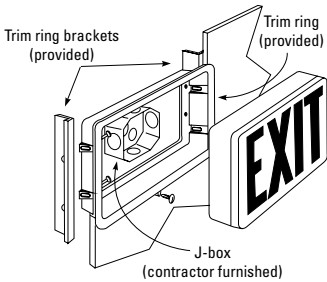
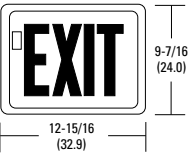
MOUNTING

All dimensions are in inches (centimeters). For VR option, add 1/4" to height and width. Add 1/8" depth for single face; 1/4" depth for double face.

Shipping weight: LE - 4 lbs (1.8 kgs)
LE EL N - 5 lbs (2.3 kgs)
LRE - 4 lbs (1.8 kgs)
LRE EL N - 5 lbs (2.3 kgs)

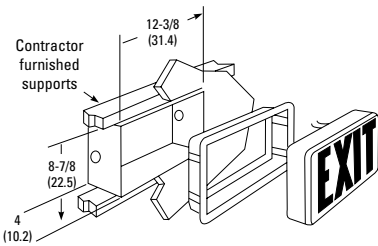


STANDARD MOUNTING



Wall opening dimensions: 8-3/4" H x 12-3/8" W x 1-3/4" D

MOUNTING WITH OPTIONAL ROUGH-IN KIT (ELA ERK)



Wall opening dimensions: 8-7/8" H x 12-3/8" W x 4" D