

Nordstrom Contracting
 Consulting Corp
 36 Theills Mt Ivy Rd
 Pomona, NY 10970

LETTER OF TRANSMITTAL

Project 561A4-18-102
 Lyons VA - Correct FCA
 Deficiencies Bld 1

01/13/2023

To: Mr. Gary Bohner
 General Engineer
 Montrose Campus
 151 Knollcroft Rd
 Lyons, NJ 07939

Submittal # 13

We are sending you Herewith Delivered by Hand Under Separate Cover Via ELECTRONIC

Plans Prints Shop Dwgs Samples Specifications Other _____

Copies	Item	# Pages	Description
			Division 26 - Electrical - Sub Section 26 51 00 - Interior Lighting
1	1	2	Lithonia GT Light Troffer - Type A & B as designated on project Documents both 2x2 and 2x4
1	2	1	Commercial Electric- 4Ft LED Slim Wrap Light- Type C as designated on project Documents
1	3	2	Lithonia LED Wrap - 4' Linear flush mount light - Type D as designated on project Documents
1	4	2	Lithonia - LED Edge Exit Lights- Configurations vary by install location
1	5		
1	6		
1	7		
1	8		
1	9		
1	10		

Click Item to "jump" to it's page.

The Above Listed Items are transmitted as indicted below:

Return By Date: SEE BAR CHART

_____ Approved

_____ Approved with corrections as noted on submittal data and/or attached sheets (s)

Signature: _____

Title: _____

Date: _____

Remarks: _____



FEATURES & SPECIFICATIONS

INTENDED USE — The GTL Series LED recessed troffer provides all of the great benefits of an LED luminaire, while maintaining the familiar look of traditional linear fluorescent. This allows for a seamless one-for-one transition to LED without disrupting the look of the overall space. With up to 53% energy savings, this value driven luminaire helps bridge the price gap between LED and fluorescent. All of these benefits make the GTL a great choice for School, Office, Retail, Residential and Hospital applications. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

CONSTRUCTION — Smooth hemmed sides and smooth inward formed end flanges for safe handling. Lighter-weight fixture allows for safe, easy installation. The shallow depth (3 1/4") allows for easier installations into restricted plenum applications.

OPTICS — Highly transmissive prismatic pattern (0.095" thickness) lens helps to diffuse the LED source pixilation, without compromising light output.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide extended service life. The GTL delivers up to 116 lumens per watt and LED Lumen maintenance of L80/60,000 hours.

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

INSTALLATION — Drivers and internal components are accessible from the floor. LED boards include plug-in connectors for future upgrades. Suitable for direct insulation contact. Damp location listed.

LISTINGS — CSA certified to U.S. and Canadian standards. Damp listed.

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 A - 2x4' Troffer
Type B - 2x2' Troffer
Type

Contractor Select

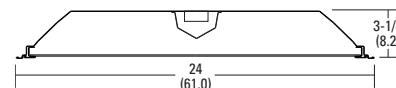
GTL 120V LED Troffer



2' x 2' and 2' x 4'

Specifications

Length: 24 (61.0) for 2' x 2'
 48 (122.0) for 2' x 4'
 Width: 24 (61.0) for 2' x 2', 2' x 4'
 Depth: 3-1/4 (8.2) for 2' x 2', 2' x 4'



All dimensions are inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION

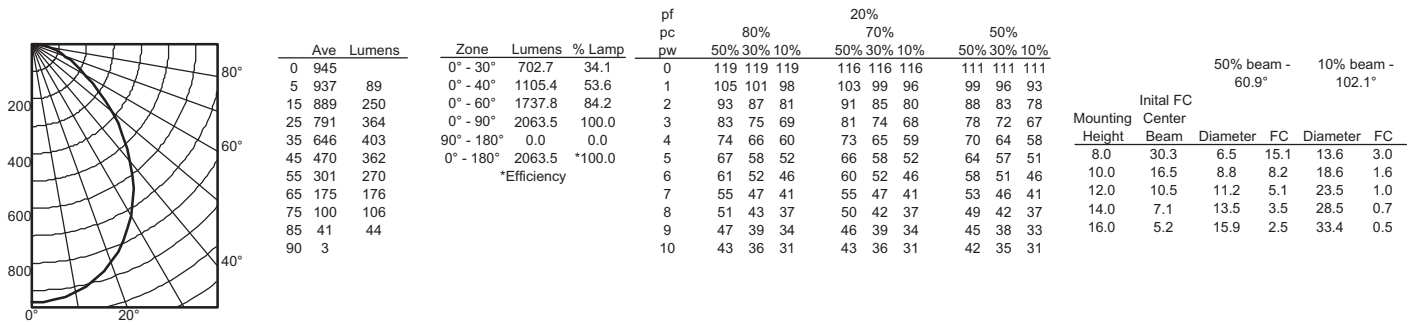
Catalog number	UPC	Description	Lumens	Color temperature	Lens type	Voltage	Wattage	Pallet qty.	Standard carton qty.
2GTL2 A12 120 LP840	889804351552	2x2 LED lay-in troffer	2063	4000K	Patterned #12 acrylic	120	18.6	56	1
2GTL4 A12 120 LP840	889804351620	2x2 LED lay-in troffer	4222	4000K	Patterned #12 acrylic	120	36.3	28	1

Accessories: Order as separate catalog number.	
DGA22	Drywall grid adapter for 2x2 recessed fixture.
DGA24	Drywall grid adapter for 2x4 recessed fixture.

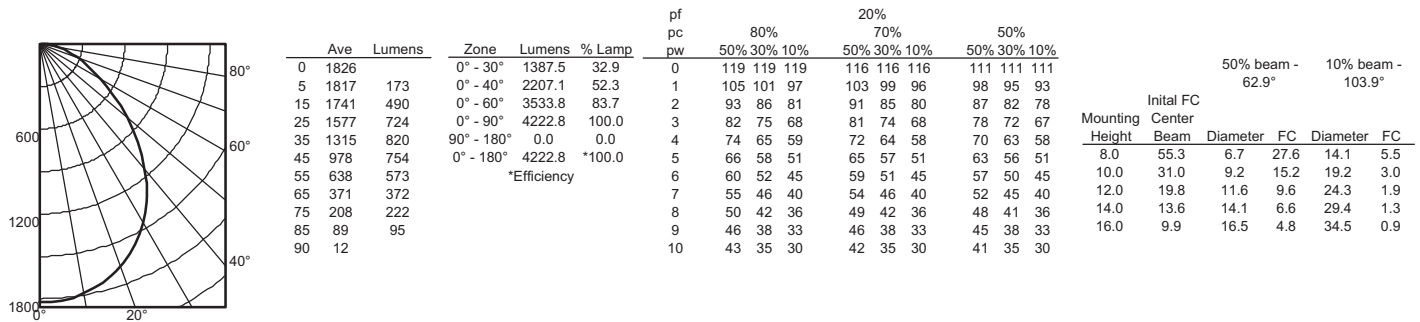
2GTL_THD - 120V LED Troffers

PHOTOMETRICS

2GTL2 A12 120 LP840, 2062.9 delivered lumens, test no. LTL28856, tested in accordance to IESNA LM-79.



2GTL4 A12 120 LP840, 4221.6 delivered lumens, test no. LTL28919, tested in accordance to IESNA LM-79.

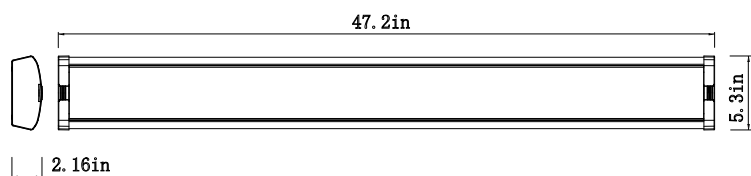


PRODUCT SPECIFICATIONS

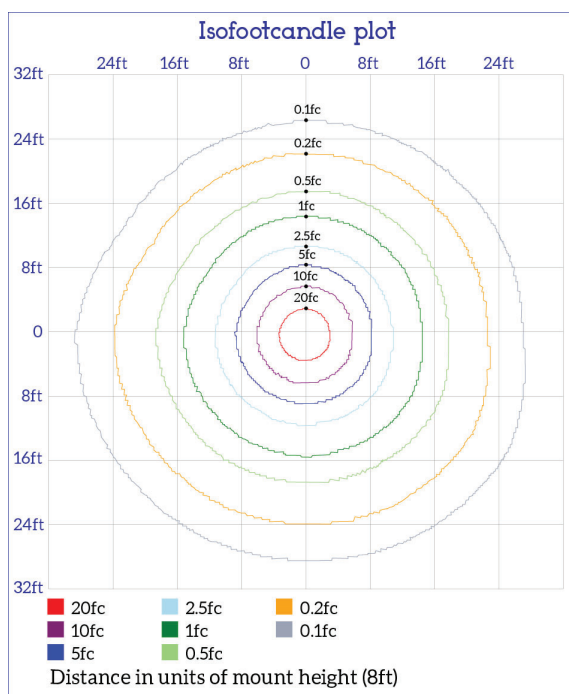
4FT LED SLIM WRAP LIGHT



WR4840K40LWL
SKU# 1003540153



PHOTOMETRIC DRAWING



SPECIFICATIONS

Model Number	WR4840K40LWL
SKU	1003540153
OSMID	306242227
Power	48W
AC Voltage, Frequency	100-277V, 50/60 Hz
Color Temp (nom.)	4000K
Operation Temp	-4°F ~ 104°F
CRI	80
Lumen Output (min.)	4000 lm
Dimming	No
Lifetime Rating	L70/50000 Hrs
Efficacy	83 lm/watt

PACKAGING

Weight (±0.5 lb)	3.41 lbs
Size (L x W x H) (±0.1 in)	47.2 in x 5.3 in x 2.1 in
Box Dimensions	48.8 in x 5.5 in x 2.3 in
Gross Weight	3.82 lbs
UPC	853711008038



ADVANTAGES

- Replaces 2L (2) 32W T8 Fluorescent Wrap
- Lasts up to 50,000 hours
- 5 Year Warranty
- For Surface and flush mount installation
- Ideal Mounting Height of 8ft -10ft
- Fully Luminous light distribution
- Easy Access Lens removal tabs and quick connects for easy installation

APPLICATIONS

Suitable for indoor locations

INCLUDED IN BOX

- Junction Box Screws (2)
- Wire Nuts (1)
- Phillips Head wood Screws (4)
- Drywall Anchors (4)
- Quick Connectors (1 set)

Contact Information 1-877-527-0313 · WWW.HOMEDEPOT.COM

SURFACE MOUNT



FEATURES & SPECIFICATIONS

INTENDED USE

Provides an LED lighting platform to deliver general ambient lighting for surface-mount ceiling applications. Light engine delivers long life and excellent color to ensure a quality, low-maintenance light installation. Ideal for use in closets, foyers, hallways, corridors, bedrooms, offices, utility work areas, and more.

CONSTRUCTION

The LED wrap is constructed of a metal housing with decorative plastic end caps. The white acrylic diffuser provides even illumination and softens the appearance of the LEDs for improved aesthetics.

OPTICS

2' wrap produces 1,200 lumens and 4' produces 2,380 lumens, both at 50,000 hours life.

Thermal formed diffuser is of highly transmissive material to minimize lamp image and provides high-angle brightness control. One piece contemporary design wrap around diffuser softens appearance for improved aesthetics.

ELECTRICAL

Long-life LEDs, coupled with a high-efficiency driver, provide extended service life. Standard input = 20/40 watts (2'/4'), 60 lumens per watt. FMLWL is rated to deliver L70 performance at 50,000 hours. Fixture operates at 120 volts, 60Hz.

LISTINGS

UL certified to US and Canadian standards. Listed for damp locations. ENERGY STAR® certified.

WARRANTY

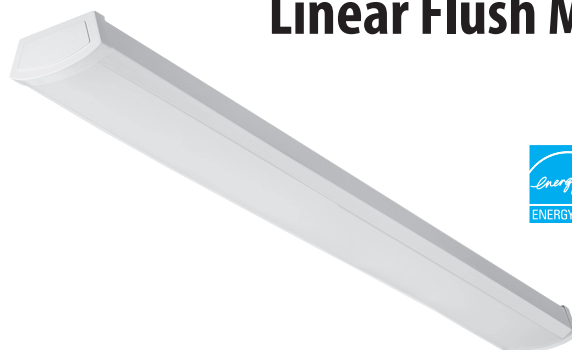
5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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.

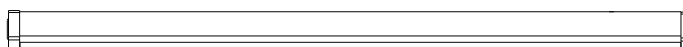
Catalog Number
Notes Type D - 4' Light- Wall Mounted
Type

Decorative Indoor

LED Wrap Linear Flush Mount



LINEAR LED



Specifications

	2'	4'
Width:	5-1/2 (14.0)	5-1/2 (14.0)
Length:	24-1/2 (62.2)	47-2/5 (120.4)
Depth:	2-3/5 (6.6)	2-3/5 (6.6)
Weight:	2.5 lbs (1.0 kg)	5.0 lbs (2.3 kg)

All dimensions are inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION

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

Example: FMLWL 48 840

Series ¹	CRI	Color temperature
FMLWL 24 2' LED wrap	8 >80	40 4000 K
FMLWL 48 4' LED wrap		35 3500 K ²
		30 3000 K
		27 2700 K ²

Replacement parts	
DFMLWL24	2' white acrylic diffuser
DFMLWL48	4' white acrylic diffuser

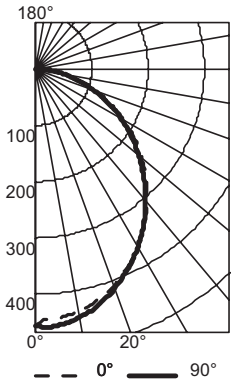
Notes

- Use with non-dimmable switches only.
- Non-stock color temperature for 2' fixture. 90-day lead time; minimum 50 order quantity.

LED Linear Flush Mount

PHOTOMETRICS

FMLWL 24 840, 1,200 delivered lumens, test no. LTL25857, tested in accordance to IESNA LM-79.



CP Summary

	0°	90°
0°	455	455
5°	444	457
15°	425	434
25°	388	390
35°	338	336
45°	278	272
55°	215	208
65°	146	142
75°	77	80
85°	16	29
90°	1	14

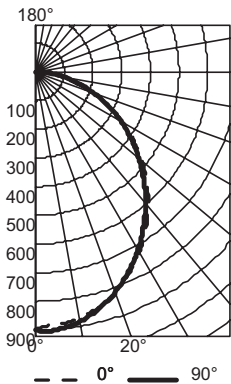
Coefficients of Utilization

ROR	pw	20%								
		80%			70%		50%			
		70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111	111
1	109	104	99	101	98	94	97	94	91	91
2	99	91	84	89	82	77	85	80	75	75
3	90	80	72	78	70	64	75	68	63	63
4	83	71	62	69	61	55	67	60	54	54
5	76	63	54	62	54	47	60	52	47	47
6	70	57	48	56	48	42	54	47	41	41
7	65	52	43	51	43	37	49	42	36	36
8	61	47	39	47	39	33	45	38	33	33
9	57	43	35	43	35	30	42	34	29	29
10	53	40	32	40	32	27	39	32	27	27

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	344	28.4	28.4
0° - 40°	554	45.8	45.8
0° - 60°	952	78.7	78.7
0° - 90°	1202	99.3	99.3
90° - 120°	8	0.6	0.6
90° - 130°	8	0.7	0.7
90° - 150°	8	0.7	0.7
90° - 180°	8	0.7	0.7
0° - 180°	1210	100.0	100.0

FMLWL 48 840, 2,383 delivered lumens, test no. LTL25859, tested in accordance to IESNA LM-79.



CP Summary

	0°	90°
0°	899	899
5°	884	901
15°	848	854
25°	775	768
35°	670	656
45°	550	534
55°	419	407
65°	286	280
75°	155	157
85°	34	59
90°	2	30

Coefficients of Utilization

ROR	pw	20%								
		80%			70%		50%			
		70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111	111
1	109	104	100	101	98	94	97	94	91	91
2	99	91	84	89	82	77	85	80	75	75
3	90	80	72	78	71	64	75	69	63	63
4	83	71	62	69	61	55	67	60	54	54
5	76	63	54	62	54	47	60	53	47	47
6	70	57	48	56	48	42	54	47	41	41
7	65	52	43	51	43	37	49	42	37	37
8	61	47	39	47	39	33	45	38	33	33
9	57	44	35	43	35	30	42	35	30	30
10	53	40	32	40	32	27	39	32	27	27

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	680	28.5	28.5
0° - 40°	1094	45.9	45.9
0° - 60°	1879	78.8	78.8
0° - 90°	2370	99.5	99.5
90° - 120°	12	0.5	0.5
90° - 130°	12	0.5	0.5
90° - 150°	12	0.5	0.5
90° - 180°	12	0.5	0.5
0° - 180°	2383	100.0	100.0

LIGHTING FACTS

Lithonia Lighting

LED lighting facts®
A Program of the U.S. DOE

Light Output (Lumens) **1200**

Watts **19.6**

Lumens per Watt (Efficacy) **61**

Color Accuracy **85**

Color Rendering Index (CRI)

Light Color **4000 (Bright White)**

Correlated Color Temperature (CCT)

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: NJSM-K8MDGA (7/14/2014)
Model Number: FMLWL 24 840
Type: Luminaire - Decorative

Lithonia Lighting

LED lighting facts®
A Program of the U.S. DOE

Light Output (Lumens) **2380**

Watts **40**

Lumens per Watt (Efficacy) **59**

Color Accuracy **85**

Color Rendering Index (CRI)

Light Color **4000 (Bright White)**

Correlated Color Temperature (CCT)

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: NJSM-XVBDFJ (7/14/2014)
Model Number: FMLWL 48 840
Type: Luminaire - Decorative



FEATURES & SPECIFICATIONS

INTENDED USE — Suitable for applications requiring attractive edge-lit exit signage, universal installation and low energy consumption.

CONSTRUCTION — Extruded brushed aluminum finish.

Clear acrylic panels- letters measure 6" high with 3/4" stroke, with 100 ft viewing distance rating, based upon UL 924 standard.

For single-face clear panels, EXIT is seen as a reversed image from the back.

OPTICS — LEDs mounted on printed circuit board. The typical life of the exit LED lamp is 10 years.

The LED operating frequency is 120Hz.

ELECTRICAL — Dual voltage input capacity (120/277V).

Battery: (EL Option) – Sealed, maintenance free nickel-cadmium battery delivers 90 minutes capacity to emergency lamps. Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.

Self-diagnostic testing (EL Option Only) for 30 seconds every 30 days and 90 minutes annually. Diagnostic evaluation of LED light source, AC to DC transfer, charging and battery condition.

INSTALLATION — EDG – Universal mounting canopy for top or end mount. Back mount standard for single face only. Canopy provided.

EDGR – Recessed mounting. Bar hanger and brackets provided for both new or restricted ceiling access installation applications. Available for use in drop ceiling applications. Back wall mount (WM) option.

Universal directional indicators. Field selected and attached.

LISTINGS — UL damp location listed 32°-122°F (0°-50°C) standard. Meets UL924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards. Meets all applicable FCC Title 47, Part 15, Subpart B requirements.

BUY AMERICAN — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.

† Exit Signs Certified in the CA Title 20 Appliance Efficiency Database.

Catalog Number
Notes Configurations will depend on location.
Type



EDG (surface mount)



EDGR (recessed mount)

LED Edge-Lit Exits

EDG EDGR

LED Lamps



Buy American

Specifications

EDG (End Mount) Length: 13-5/8 (34.6) Depth: 5-1/2(14.0) Height: 11-1/8 (28.3) Shipping Weight : 4 lbs (1.8 kgs)	EDG (Top Mount) Length: 13 (33.0) Depth: 4-5/16 (11.0) Height: 11-3/4 (29.8) Shipping Weight : 4 lbs (1.8 kgs)
EDG (Back Mount) Length: 13 (33.0) Depth: 3 (7.6) Height: 11-1/8 (28.3) Shipping Weight : 4 lbs (1.8 kgs)	EDGR Length: 13 (33.0) Depth: 1-3/4 (4.4) Height: 8 (20.3) Shipping Weight : 6.8 lbs (3.1 kgs) Shipping Weight (WM option) : 8.1 lbs (3.7 kgs)

All dimensions are inches (centimeters) unless otherwise noted.

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

Example: EDG 1 R EL

Family	Housing color	Number of faces	Letter color	Operations	Options
EDG Surface mount LED edge-lit exit	(blank) Brushed aluminum	1 Single face 2 Double face	R Red on clear (single face only) ¹ G Green on clear (single face only) ¹ RMR Red on mirror ² GMR Green on mirror ² RW Red on white ³ GW Green on white ³	(blank) AC only EL Nickel-cadmium battery X2 Lamp wired on two separate AC circuits (specify 120V or 277V) ⁴ SD Self-diagnostics ⁵	(blank) None WM Recessed wall mount ⁶ BAA Buy America(n) Act Compliant
EDGR Recessed LED edge-lit exit	W White				

Accessories: Order as separate item.	
ELA US12	12" stem kit with brushed aluminum canopy ⁷
ELA W US12	12" stem kit with white canopy ⁷
ELA WG1	Wireguard (13 3/4"H x 15 1/4"W x 6" D, back mount only)

Notes

- For single-face clear panels, EXIT is seen as a reversed image from the back.
- Available with single and double face.
- White panel standard for double and single face.
- Not available with EL and SD options. Both circuits can be energized at the same time.
- Available with EL option only.
- Available on EDGR single face only
- See spec sheet [ELA-StemKits](#). Only available for EDG.

EDG-EDGR LED, Surface and Recessed Mount Edge-Lit Exits

SPECIFICATIONS

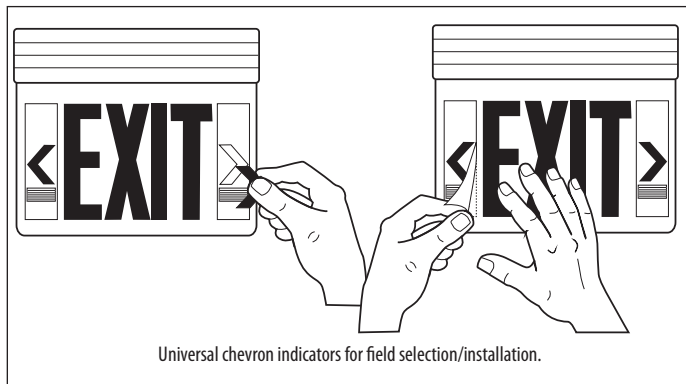
ELECTRICAL						
Primary Circuit						
Type	Typical LED life ¹	Supply voltage	EDG		EDGR	
			Input Watts	Max amps.	Input Watts	Max amps.
Red LED AC only	10 years	120	2.5	0.020	3.8	0.030
		277	2.8	0.010	4.5	0.014
Green LED AC only	10 years	120	2.2	0.020	3.8	0.030
		277	2.2	0.010	4.5	0.020
Red LED emergency	10 years	120	3.0	0.030	3.8	0.031
		277	3.1	0.010	4.5	0.015
Green LED emergency	10 years	120	2.6	0.020	3.8	0.031
		277	2.8	0.010	4.5	0.020

BATTERY (EL option)			
Sealed Nickel-Cadmium			
Shelf life ²	Typical life ²	Maintenance ³	Temperature range ⁴
3 years	6-8 years	none	32-122°F (0-50°C)

Notes

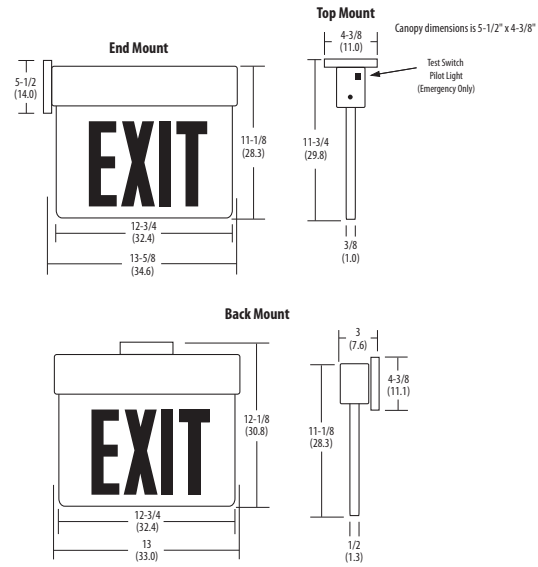
- 1 Based on continuous operation. The typical life of the exit LED lamp is 10 years.
- 2 At 77°F (25°C).
- 3 All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local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

KEY FEATURES



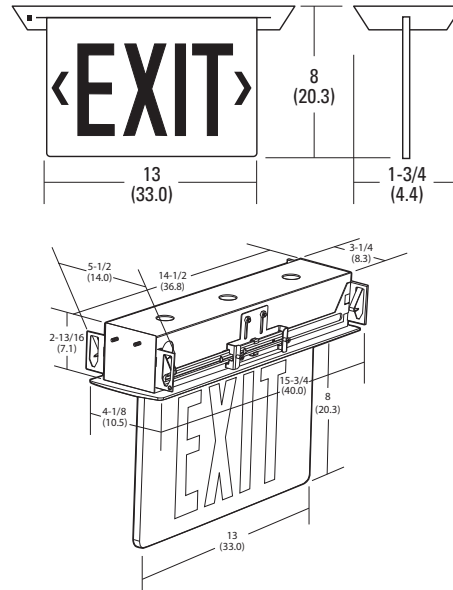
MOUNTING

EDG



EDGR

Note: For drop ceiling applications refer to the standard installation section of the instruction sheet. Not applicable for "bracket mount" installation.



EDGR WM option

