LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

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 integrity of acrylic. Click here for Acrylic Environmental 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. 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. 90% LED lumen maintenance at 60,000 hours (L90/60,000).

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) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

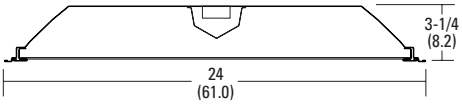
GTL Series

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.

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.

ORDERING INFORMATION

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

Example: 2GTL 2 33L EZ1 LP835

2GTL									
Series	**Length**	**Trim type**	**Lumens[1]**	**Door**	**Lens**	**Voltage**	**Driver**	**Color temperature**
2GTL 2' wide recessed LED luminaire	2 2'	(blank) Grid F Overlapping flange	20L 2000 lumens 33L 3300 lumens 40L 4000 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, 0.125" thick A19 #19 pattern acrylic, 0.156" thick SWL Satin white	(blank) MVOLT (120-277V) 120 120V 277 277V 347 347V[2]	EZ1 eldoLED dims to 1 % SLD Step-level dimming EXA1 eldoLED dims to 1%, XPoint wireless enabled	LP830 3000 K LP835 3500 K LP840 4000 K LP850 5000 K

Controls[3]	
(blank)	No controls
N80	nLight with 80% (L80) lumen management
N80EMG	nLight with 80% (L80) lumen management for use with generator supply emergency power
N100	nLight without lumen management
N100EMG	nLight without lumen management for use with generator supply emergency power

Options	
EL7L	700 lumen emergency battery[4]
EL14L	1400 lumen emergency battery[4]
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[5]
GLR	Fast-blowing fuse[6]
GMF	Slow-blowing fuse[6]
LATC	Earthquake clip
NPLT	Narrow pallet
PAF	Paint after fab

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

Notes
1. Approximate lumen output. Lumen output will vary depending upon lens option chosen.
2. Not available with EL7L, EL14L, or SLD.
3. Not available with SLD.
4. When using pre-wire option, use PWS1846.
5. Only available with aluminum door.
6. Must specify voltage, 120 or 277.

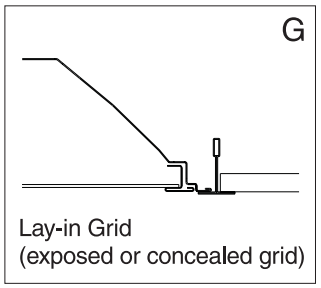
2GTL LED Troffer

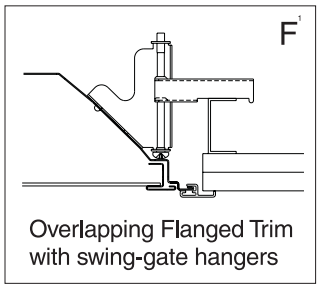
Performance Data			
Lumen Package	**Input Watts**	**Lumens**	**LPW**
20L LP830	19.6	1981.2	101.08
20L LP835	19.6	2080.3	106.14
20L LP840	19.6	2179.4	111.19
20L LP850	19.6	2215	113.01
33L LP830	35.4	3300.7	93.24
33L LP835	35.4	3453.3	97.55
33L LP840	35.4	3619.7	102.25
33L LP850	35.4	3645.5	102.98
40L LP830	39.6	3530.6	89.16
40L LP835	39.6	3704.9	93.56
40L LP840	39.6	3883.2	98.06
40L LP850	39.6	3994.2	100.86

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

MOUNTING DATA

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



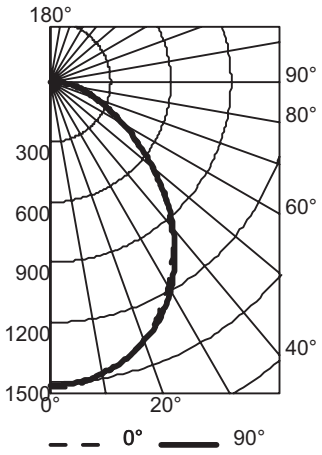


NOTE:

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

2GTL2 33L EZ1 LP835, 3453 delivered lumens, test no. LTL26153P5, tested in accordance to IESNA LM-79.



CP Summary

	0°	90
0°	1518	1518
5°	1515	1504
15°	1433	1434
25°	1274	1295
35°	1056	1081
45°	795	809
55°	540	530
65°	328	314
75°	176	180
85°	61	63
90	5	3

Coefficients of Utilization

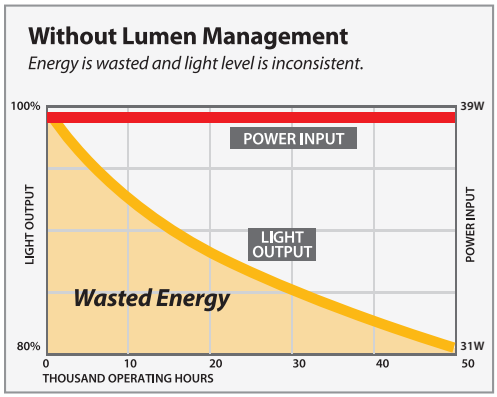
RCR	pf pc pw	80% 70% 50%	70% 50% 30%	50% 30% 10%	20% 20% 20%
0		119	116	111	111
1		109	103	99	96	93	99	96	93
2		100	93	91	85	80	87	82	78
3		92	82	75	81	74	68	78	72	67
4		85	74	65	72	64	59	70	63	58
5		78	66	58	65	57	51	63	56	51
6		73	60	51	59	51	45	57	50	45
7		68	55	46	54	46	40	52	45	40
8		63	50	42	49	42	36	48	41	36
9		59	46	38	46	38	33	45	38	33
10		56	43	35	42	35	30	41	35	30

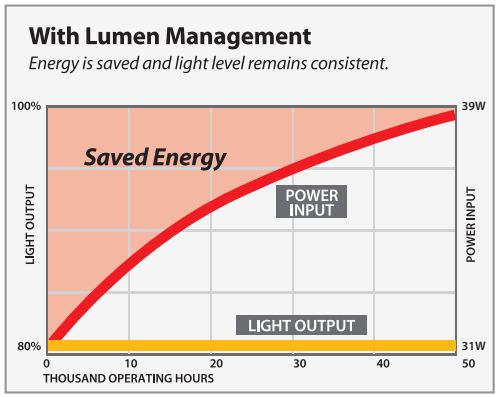
Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1136	32.9	32.9
0° - 40°	1799	52.1	52.1
0° - 60°	2889	83.6	83.6
0° - 90°	3454	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	3454	100.0	100.0

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.





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