

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The GTL 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](http://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](http://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.

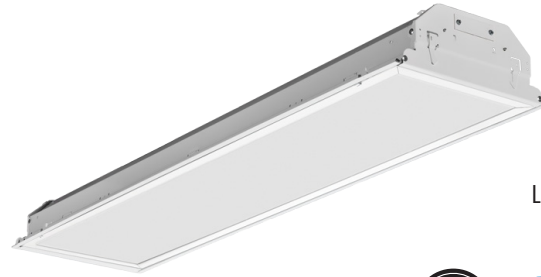
Catalog Number
Notes
Type

GTL Series

# GTL

1' x 4'

LED Recessed Troffer

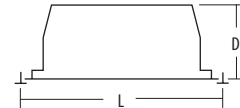


### Specifications

Length: 48 (122.0)

Width: 12 (30.5)

Depth: 4.5 (11.4)



All dimensions are inches (centimeters) unless otherwise indicated.

### ORDERING INFORMATION

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

**Example:** GTL 4 40L EZ1 LP835

GTL									
Series	Length	Trim type	Lumens <sup>1</sup>	Door	Lens	Voltage	Driver	Color temperature	
GTL 1' wide recessed LED luminaire	4' 4'	(blank) Grid F Overlapping flange	20L 2000 lumens	(blank) Flush steel, 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 <sup>2</sup>	EZ1 eldoLED dims to 1% SLD Step-level dimming <sup>3</sup> EXA1 eldoLED dims to 1%, XPoint wireless enabled	LP830 3000 K	
			33L 3300 lumens	FN Flush aluminum, natural				LP835 3500 K	
			40L 4000 lumens	FM Flush aluminum, matte black				LP840 4000 K	
			48L 4800 lumens	FW Flush aluminum, white				LP850 5000 K	
				RN Regressed aluminum, natural					
				RM Regressed aluminum, matte black					
				RW Regressed aluminum, white					

Controls <sup>4,5</sup>	Options
(blank) No controls	EL7L Nominal 700 lumen emergency battery <sup>3</sup>
N80 nLight with 80% (L80) lumen management	EL14L Nominal 1400 lumen emergency battery <sup>3</sup>
N80EMG nLight with 80% (L80) lumen management for use with generator supply emergency power	CP Chicago plenum
N100 nLight without lumen management	PWS1836 6' pre-wire, 3/8" diameter, 18-gauge, 1-circuit
N100EMG nLight without lumen management for use with generator supply emergency power	PWS1846 6' pre-wire, 3/8" diameter, 18-gauge, 2-circuit
	ABC Door frame gasketing <sup>5</sup>
	GLR Slow-blowing fuse <sup>7</sup>
	GMF Fast-blowing fuse <sup>7</sup>
	LATC Earthquake clip
	NPLT Narrow pallet
	PAF Paint after fab

**Accessories:** Order as separate catalog number.

DGA14 Drywall grid adapter for 1x4 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 When using pre-wire option, use PWS1846.
- 4 Not available with SLD.
- 5 Cannot row mount when ordered with nLight options
- 6 Only available with aluminum door.
- 7 Must specify voltage, 120 or 277.

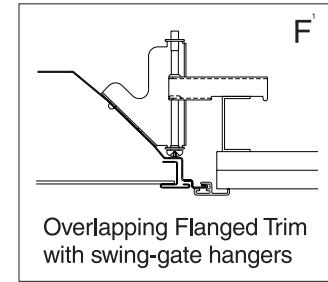
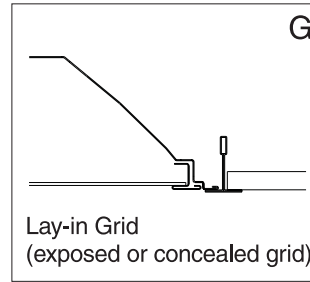
# GTL LED Troffer

Performance Data			
Lumen Package	Input Watts	Lumens	LPW
20L LP830	20.5	1954.6	95.35
20L LP835	20.5	2052.3	100.11
20L LP840	20.5	2150	104.88
20L LP850	20.5	2169.6	105.83
33L LP830	35.2	3242.7	92.12
33L LP835	35.2	3401	96.62
33L LP840	35.2	3557.4	101.06
33L LP850	35.2	3644.5	103.54
40L LP830	40.1	3572.2	89.08
40L LP835	40.1	3750.9	93.54
40L LP840	40.1	3938.5	98.22
40L LP85	40.1	4025.9	100.40
48L LP830	46.46	4280.6	92.14
48L LP835	46.46	4493.6	96.72
48L LP840	46.46	4718.4	101.56
48L LP850	46.46	4822	103.79

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).

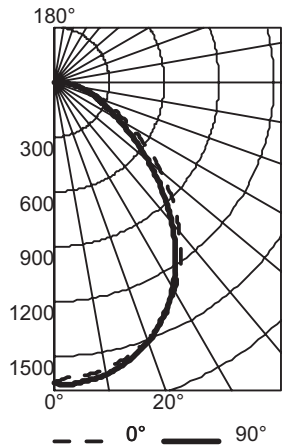


NOTE:

- 1 Recommended rough-in dimensions for F-trim fixtures 12"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

GTL4 40L EZ1 LP835, 3751 delivered lumens, test no. LTL26527P9, tested in accordance to IESNA LM-79.



CP Summary		Coefficients of Utilization									Zonal Lumen Summary						
	0°	90°	pf	80%			70%			50%			Zone	Lumens	% Lamp	% Fixture	
			pc	70%	50%	30%	50%	30%	10%	50%	30%	10%					
	0°	1647	1647	0	119	119	119	116	116	116	111	111	111	0° - 30°	1250	33.3	33.3
	5°	1614	1648	1	110	105	101	103	99	96	99	96	93	0° - 40°	1984	52.9	52.9
	15°	1554	1577	2	101	93	87	91	85	80	88	83	78	0° - 60°	3160	84.2	84.2
	25°	1420	1412	3	92	83	75	81	74	68	78	72	67	0° - 90°	3751	100.0	100.0
	35°	1203	1155	4	85	74	66	73	65	59	70	63	58	90° - 120°	0	0.0	0.0
	45°	915	831	5	79	67	58	65	58	52	63	56	51	90° - 130°	0	0.0	0.0
	55°	616	526	6	73	60	52	59	51	46	58	51	45	90° - 150°	0	0.0	0.0
	65°	365	311	7	68	55	47	54	46	41	53	46	40	90° - 180°	0	0.0	0.0
	75°	194	186	8	63	50	42	50	42	37	49	41	36	0° - 180°	3751	100.0	100.0
	85°	73	65	9	59	47	39	46	38	33	45	38	33				
	90°	0	0	10	56	43	35	43	35	30	42	35	30				

## 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.

