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 — 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. 70% LED lumen maintenance at 50,000 hours (L70/50,000).

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

LED drivers delivers full-range dimming from 0-10V control signal. 5% - 100% dimming range.

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.

LISTING — 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: Specifications subject to change without notice.

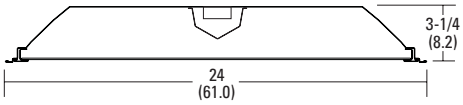
GTL Series

2GTL

2' x 2' and 2' x 4'
LED Recessed Troffer

Specifications

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



All dimensions are inches (centimeters) unless otherwise indicated.

Configurable Part Number	Stock Contractor Select Part Number
2GTL 2 37L LP835 NX	2GTL2 LP835
2GTL 2 37L LP840 NX	2GTL2 LP840
2GTL 4 40L LP835 NX	2GTL4 LP835
2GTL 4 40L LP840 NX	2GTL4 LP840

ORDERING INFORMATION

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

Example: 2GTL 4 48L LP835 NX

2GTL													
Series		**Length**		**Trim type**		**Lumens**[1]		**Door**		**Lens**		**Voltage**		**Color temperature**	
2GTL	2' wide recessed LED luminaire	2	2'	(blank)	Grid	20L	2000 lumens	(blank)	Flush steel, white	(blank)	#12 pattern acrylic	(blank)	MVOLT (120-277V)	LP830	82 CRI, 3000 Kelvin
				F	Overlapping flange	33L	3300 lumens	FN	Flush aluminum, natural	A19	#19 pattern acrylic	120	120V	LP835	82 CRI, 3500 Kelvin
						37L	3700 lumens	FM	Flush aluminum, matte black	SWL	Satin white	277	277V	LP840	82 CRI, 4000 Kelvin
2GTL	2' wide recessed LED luminaire	4	4'	(blank)	Grid	30L	3000 lumens	FW	Flush aluminum, white			347	347V[2]	LP850	82 CRI, 5000 Kelvin
				F	Overlapping flange	40L	4000 lumens	RN	Regressed aluminum, natural						
						48L	4800 lumens	RM	Regressed aluminum, matte black						
						60L	6000 lumens	RW	Regressed aluminum, white						
						72L	7200 lumens								

Controls[3]	
NX	0-10V, dimming, no nLight
BLD	Bi-level dimming[4]
N80	nLight with 80% (L80) lumen management
N80EMG	nLight with 80% (L80) lumen management for use with generator supply emergency power[5]
N100	nLight without lumen management
N100EMG	nLight without lumen management for use with generator supply emergency power[5]

Options	
EL14L	1400 lumen emergency battery[6]
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[7]
GLR	Slow-blowing fuse[8]
GMF	Fast-blowing fuse[8]
LATC	Earthquake clip
NPLT	Narrow pallet
PAF	Paint after fab

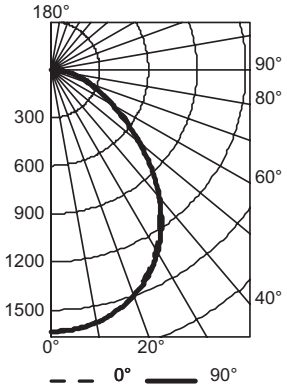
Accessories: *Order as separate catalog number.*	
DGA22	Drywall grid adapter for 2x2 recessed fixture.
DGA24	Drywall grid adapter for 2x4 recessed fixture.

Notes

1. Approximate lumen output. Lumen output will vary depending upon lens option chosen. See associated IES files for reference.
2. Not available with EL14L or BLD.
3. Only choose one.
4. When using pre-wire option, use PWS1846.
5. Only available in 37L, 40L and 48L.
6. Not available with the 2x4 72L. Consult factory on 2x2.
7. Only available with aluminum door.
8. Must specify voltage, 120 or 277.

PHOTOMETRICS

2GTL 2 37L LP835, 3743.9 delivered lumens, test no. LTL 22786PO, tested in accordance to IESNA LM-79.



CP Summary

	0°	90
0°	1632	1632
5°	1632	1627
15°	1557	1559
25°	1399	1418
35°	1165	1186
45°	879	875
55°	589	560
65°	357	331
75°	213	186
85°	84	64
90	5	1

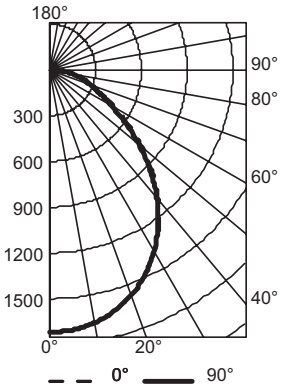
Coefficients of Utilization

	pf			20%								
	pc	80%			70%			50%				
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%		
RCR	0	119	119	119	116	116	116	111	111	111		
	1	109	105	101	103	99	96	98	95	93		
	2	100	93	86	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	52	59	51	45	57	50	45		
	7	68	55	46	54	46	40	52	45	40		
	8	63	50	42	50	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°	1233	32.9	32.9
0° - 40°	1957	52.3	52.3
0° - 60°	3131	83.6	83.6
0° - 90°	3745	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	3745	100.0	100.0

2GTL 4 40L LP835, 4006.7 delivered lumens, test no. LTL22798PO, tested in accordance to IESNA LM-79.



CP Summary

	0°	90
0°	1717	1717
5°	1709	1710
15°	1638	1637
25°	1484	1479
35°	1254	1238
45°	957	930
55°	641	607
65°	379	364
75°	205	219
85°	73	82
90	3	7

Coefficients of Utilization

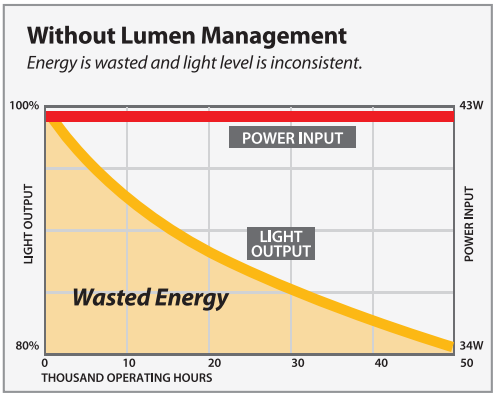
	pf			20%								
	pc	80%			70%			50%				
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%		
RCR	0	119	119	119	116	116	116	111	111	111		
	1	109	105	101	103	99	96	98	95	93		
	2	100	92	86	91	85	80	87	82	78		
	3	92	82	74	80	73	68	78	71	66		
	4	85	73	65	72	64	58	70	63	57		
	5	78	66	57	65	57	51	63	56	50		
	6	73	60	51	59	51	45	57	50	45		
	7	67	54	46	54	46	40	52	45	40		
	8	63	50	42	49	41	36	48	41	36		
	9	59	46	38	45	38	33	44	37	32		
	10	55	43	35	42	35	30	41	34	30		

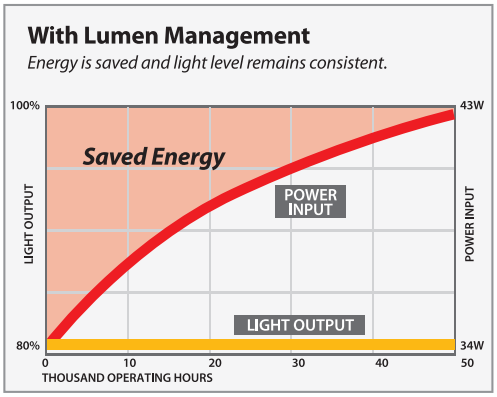
Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1300	32.4	32.4
0° - 40°	2071	51.7	51.7
0° - 60°	3341	83.4	83.4
0° - 90°	4008	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	4008	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.





Suggested Replacement				
Fluorescent	**Wattage**	**LED**	**Wattage[1]**	**% of Savings**
2-lamp T8	58W	2GTL 4 40L	43W	26%
2-lamp T8	58W	2GTL 4 48L	51W	12%
3-lamp T8	88W	2GTL 4 60L	59W	33%
4-lamp T8	112W	2GTL 4 72L	77W	31%

Note

1 Actual wattage may differ by +/- 5% when operating between 120-277V +/- 10%.

LITHONIA LIGHTING®
An AcuityBrands Company

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