

Catalog Number
Notes
Type

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The GTL4R LED Relight assembly is the ideal solution for renovating existing fluorescent 1x4 lensed troffers, delivering improved quality of light and refreshing the space. GTLR delivers high efficiency and energy savings vs. existing fluorescent systems. The GTL4R Relight assembly is recommended for offices, restaurants, schools, hospitals, and other general lighting applications where existing 1x4 lensed troffers are currently in use.

**CONSTRUCTION** — Universal end brackets/driver assembly are constructed of aluminum for optimal thermal performance and are secured to the host fixture with provided tek screws. End brackets are painted white to match existing lensed troffer finish. The LED light engine panel is highly reflective white aluminum with plug-in connection to driver. A steel wiring connection cover is provided for use if required. Standard kit requires use of existing door frame/lens assembly.

**OPTICS** — LED light panel is designed to provide consistent, uniform lighting. Mounting brackets optimize source-to-aperture distance.

**ELECTRICAL** — Long-life LEDs, coupled with high-efficiency drivers, provide extended service life. GTLR is rated to deliver L90 performance at 60,000 hours. eldoLED driver options deliver choice of dimming range, and choice of control, while assuring flicker-free, low current inrush, 89% efficiency and low EMI. Ballast disconnect is provided for quick installation.

**INSTALLATION** — After existing fluorescent components are removed from housing, universal end brackets are fastened in place with provided tek screws and the driver is mounted in the channel. Supply wiring connection is made with plug-in ballast disconnect. The LED panel plugs into the driver and snaps into place between end brackets for consistent source-to-aperture positioning. LED boards include plug-in connectors for easy replacement or servicing. UL Classified as suitable for damp location and air-handling installations.

**LISTINGS** — UL/cUL classified for use in recessed fluorescent light fixtures. Installation per instructions will not impact existing fixture UL listing or air-handling capabilities. Tested to LM80 standards. 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.

# GTL4R

1' x 4' Relight  
LED Retrofit Assembly



### Specifications

Intended for installation in most existing 1x4 lensed troffers



eldoLED®

### ORDERING INFORMATION

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

**Example:** GTL4R 40L EZ1 LP840

Series	Lumens <sup>1</sup>	Driver	Voltage	Color temperature
GTL4R 1' x 4' retrofit	20L 2000 lumens 30L 3000 lumens 40L 4000 lumens	EZ1 eldoLED Dims to 1% (0-10 volt dimming)	(blank) MVOLT (120-277V)	LP835 82 CRI, 3500 K LP840 82 CRI, 4000 K

### Notes

1 Approximate lumen output.

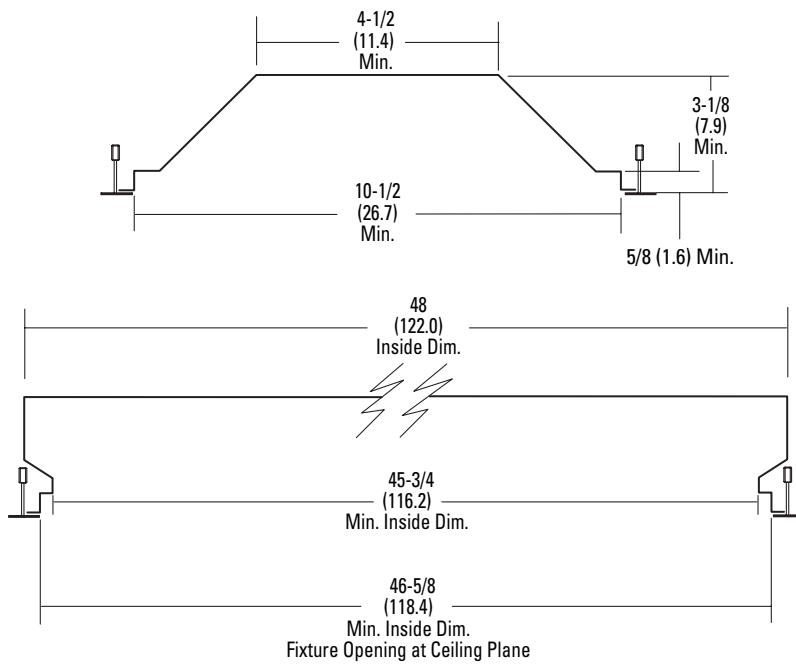
# GTL4R LED Retrofit Assembly, 1' x 4'

Performance Data			
Lumen package	Lumens	Input watts	LPW
20L LP835	2,031	19.6	104
20L LP840	2,121	19.6	108
30L LP845	2,693	28.4	95
30L LP840	2,787	28.4	96
40L LP835	3,922	38.6	102
40L LP840	4,054	38.6	105

## FIT COMPATIBILITY

The GTL4R Relight assembly was engineered to upgrade recessed 1X4 lensed troffers from all major manufacturers.

Dimensional requirements are below but Lithonia Lighting recommends a trial installation prior to purchasing project quantities.



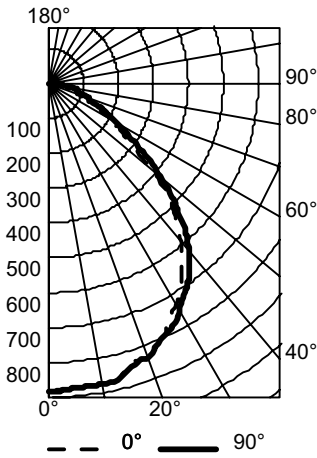
Relight assemblies are designed to fit most recessed fixtures mounted in T-grid installations.

Dimensions are inches (centimeters) unless otherwise noted.

# GTL4R LED Retrofit Assembly, 1' x 4'

## PHOTOMETRICS

GTL4R 20L EZ1 LP835, 2031 delivered lumens, test no. LTL3107P0, tested in accordance to IESNA LM-79



### CP Summary

	0°	90
0°	882	882
5°	876	877
15°	852	858
25°	791	792
35°	667	696
45°	501	524
55°	266	310
65°	163	163
75°	86	84
85°	42	40
90	1	1

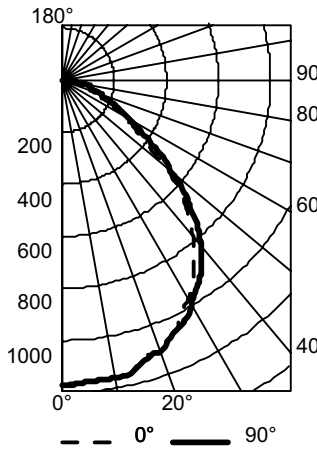
### Coefficients of Utilization

ROR	pc	20%								
		80%			70%			50%		
		70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111	
1	110	106	102	103	100	97	99	96	94	
2	101	94	88	92	86	81	88	84	80	
3	93	84	76	82	75	70	79	73	68	
4	86	75	67	74	66	60	71	65	59	
5	79	68	59	66	59	53	64	58	52	
6	74	61	53	60	53	47	59	52	46	
7	69	56	48	55	47	42	54	47	41	
8	64	51	43	51	43	38	49	42	37	
9	60	47	39	47	39	34	46	39	34	
10	56	44	36	43	36	31	42	36	31	

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	688	33.9	33.9
0° - 40°	1109	54.6	54.6
0° - 60°	1763	86.8	86.8
0° - 90°	2031	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	2031	100.0	100.0

GTL4R 30L EZ1 LP835, 2693 delivered lumens, test no. LTL3107P2, tested in accordance to IESNA LM-79



### CP Summary

	0°	90
0°	1170	1170
5°	1162	1162
15°	1130	1138
25°	1049	1051
35°	885	923
45°	664	694
55°	353	410
65°	216	217
75°	114	111
85°	56	53
90	1	1

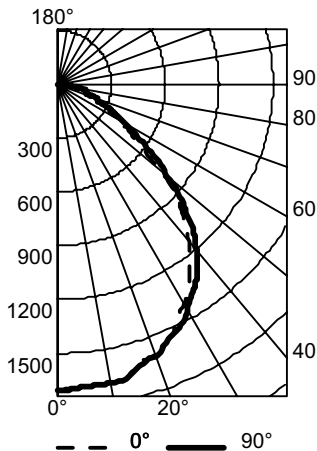
### Coefficients of Utilization

ROR	pc	20%								
		80%			70%			50%		
		70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111	
1	110	106	102	103	100	97	99	96	94	
2	101	94	88	92	86	81	88	84	80	
3	93	84	76	82	75	70	79	73	68	
4	86	75	67	74	66	60	71	65	59	
5	79	68	59	66	59	53	64	58	52	
6	74	61	53	60	53	47	59	52	46	
7	69	56	48	55	47	42	54	47	41	
8	64	51	43	51	43	38	49	42	37	
9	60	47	39	47	39	34	46	39	34	
10	56	44	36	43	36	31	42	36	31	

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	912	33.9	33.9
0° - 40°	1471	54.6	54.6
0° - 60°	2338	86.8	86.8
0° - 90°	2694	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	2694	100.0	100.0

GTL4R 40L EZ1 LP835, 3922 delivered lumens, test no. LTL3107P5, tested in accordance to IESNA LM-79



### CP Summary

	0°	90
0°	1704	1704
5°	1692	1693
15°	1645	1657
25°	1527	1530
35°	1289	1344
45°	967	1011
55°	513	598
65°	315	316
75°	166	162
85°	82	77
90	1	1

### Coefficients of Utilization

ROR	pc	20%								
		80%			70%			50%		
		70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111	
1	110	106	102	103	100	97	99	96	94	
2	101	94	88	92	86	81	88	84	80	
3	93	84	76	82	75	70	79	73	68	
4	86	75	67	74	66	60	71	65	59	
5	79	68	59	66	59	53	64	58	52	
6	74	61	53	60	53	47	59	52	46	
7	69	56	48	55	47	42	54	47	41	
8	64	51	43	51	43	38	49	42	37	
9	60	47	39	47	39	34	46	39	34	
10	56	44	36	43	36	31	42	36	31	

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1328	33.9	33.9
0° - 40°	2142	54.6	54.6
0° - 60°	3404	86.8	86.8
0° - 90°	3923	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	3923	100.0	100.0