

FEATURES

OPTICAL SYSTEM

- Aluminum upper reflector coated with highly reflective white paint provides high efficiency and an evenly illuminated aperture appearance.
- Available with tempered prismatic lens (T73), flat Fresnel lens (FFL) or flat opal lens (FOL).
- Regressed white door (RW) or stepped black baffle (SB) available with white painted flange provided.
- Door is retained by self-aligning, torsion support springs, preventing gaps between door and ceiling.

MECHANICAL SYSTEM

- Pre-wired galvanized steel junction box mounted to reflector is provided with removable access cover. No. 12 AWG conductors rated for 90°C.
- Three (3) swinggate brackets allow for installation from below the ceiling. Suitable for ceiling thickness ranging from 1.59cm (5/8") to 2.54cm (1").

ELECTRICAL SYSTEM

- Galvanized steel lampholder housing.
- Horizontally-mounted, four-pin, positive-latch, thermoplastic socket(s).
- Thermally protected, high power factor electronic ballast (50/60Hz) mounted to the junction box.
- Eurostyle terminal block included for power supply and ground connections required for CE.

LISTING

- MVOLT, 120V and 277V fixtures are UL Listed, Non-IC recessed mounting and wet locations. 220V and 240V fixtures are CE certified and rated IP44.

Type

Catalog number



International Compact Fluorescent Downlights

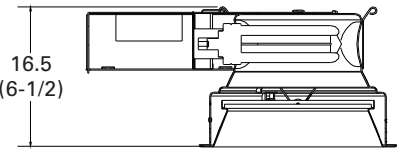
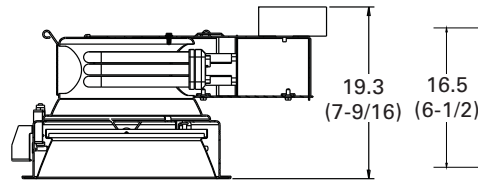
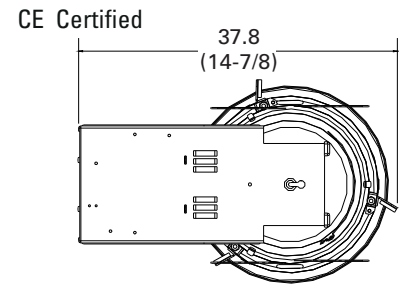
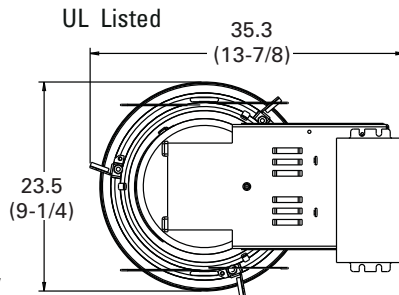
LGFI

20.3cm (8")

Round Lens

Wet Location

Horizontal Triple-Tube Lamp



All dimensions are centimeters (inches).

Aperture: 20 (7-7/8)
Ceiling Opening: 21.9 (8-5/8)
Overlap Trim: 23.5 (9-1/4)

ORDERING INFORMATION

Example: **LGFI 2/26TRT 8RW T73 220**

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

LGFI

Series	Wattage/Lamp	Aperture/Trim	Lens	Voltage	Ballast	Options
LGFI	13DTT	8RW Regressed white door	T73 Tempered prismatic lens	MVOLT^{1,3}	(blank) Electronic ballast	TRDA Tamper-resistant door assembly
	18DTT			120³	ADEZ⁴ Advance Mark 10™ electronic dimming ballast. Minimum dimming level 5%	WLP With 3500°K lamp (shipped separately)
	26DTT	8SB Stepped black baffle	FFL Flat Fresnel lens	220²	ADZT⁴ Advance Mark 7™ electronic 0-10V DC dimming ballast. Minimum dimming level 3%	GSKT Foam gasketing, ships uninstalled
	13TRT		FOL Flat opal lens	240²		
	18TRT		PPC Prismatic polycarbonate lens	277³	ECOS Lutron EcoSystem™ electronic dimming ballast. Minimum dimming level 5%	
	26TRT	8RA Regressed anodized			VDB⁵ Vossloh 0-10V dimming ballast	
	32TRT					
	42TRT					

NOTES

- 1 Multi-volt electronic ballast capable of operating on any line voltage from 120 through 277V, 50 or 60Hz.
- 2 Available with CE listing only. 220-240V, 50/ 60 Hz.
- 3 Available with UL listing only. 120-277V, 50/60Hz.
- 4 Available with 120V or 277V only.
- 5 Available with 220V or 240V only.

20.3cm (8") LGFI Round Lens

Distribution curve

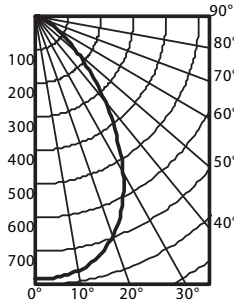
Distribution data

Output data

Coefficient of utilization

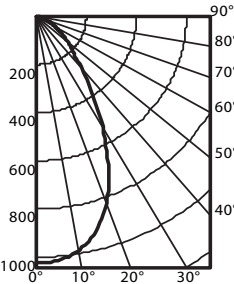
Illuminance Data at 30" Above Floor for a Single Luminaire

LGFI 1/42TRT 8RW T73, 42TRT lamp, 1.1 s/mh, 3200 rated lumens, Test no. LTL14210



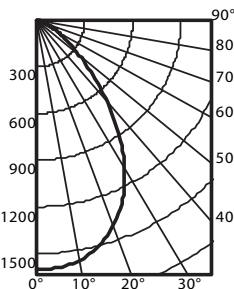
From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	Coefficient of utilization						Illuminance Data at 30" Above Floor for a Single Luminaire							
							80%		20%		50%		50° beam angle			10% beam angle				
							50%	30%	50%	30%	50%	30%	56.4°	91.6°	Initial fc	fc at	fc at			
0	781		0° - 30°	566.9	17.7	pc														
5	780	74	0° - 40°	835.4	26.1	pw	.41	.40	.40	.39	.39	.38	Mount	at beam	Beam	fc at	fc at			
15	741	208	0° - 60°	1129.4	35.3		.37	.35	.36	.35	.35	.34	height	center	diameter	beam	beam	Beam	beam	beam
25	625	285	0° - 90°	1215.5	38.0		.34	.31	.33	.31	.32	.30	8	25.8	5.9	12.9	11.3	2.6		
35	431	269	90° - 180°	0.0	0.0		.31	.28	.30	.28	.29	.27	10	13.9	8.0	6.9	15.4	1.4		
45	243	188	0° - 180°	1215.5	*38.0		.28	.25	.28	.25	.27	.25	12	8.7	10.2	4.3	19.5	0.9		
55	116	106					.26	.23	.25	.23	.25	.22	14	5.9	12.3	3.0	23.6	0.6		
65	55	56					.24	.21	.23	.21	.23	.21	16	4.3	14.5	2.1	27.8	0.4		
75	22	24					.22	.19	.22	.19	.21	.19								
85	5	6					.20	.18	.20	.18	.20	.17								
90	0						.19	.16	.19	.16	.19	.16								

LGFI 1/42TRT 8RW FFL, 42TRT lamp, 0.9 s/mh, 3200 rated lumens, Test no. LTL14211



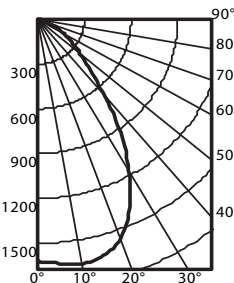
From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	Coefficient of utilization						Illuminance Data at 30" Above Floor for a Single Luminaire							
							80%		20%		50%		50° beam angle			10% beam angle				
							50%	30%	50%	30%	50%	30%	49.7°	83.7°	Initial fc	fc at	fc at			
0	1023		0° - 30°	662.4	20.7	pc														
5	1017	96	0° - 40°	909.6	28.4	pw	.43	.42	.43	.41	.41	.40	Mount	at beam	Beam	fc at <td>fc at</td> <td></td> <td></td> <td></td>	fc at			
15	922	257	0° - 60°	1186.5	37.1		.39	.37	.39	.37	.37	.36	height	center	diameter	beam	beam	Beam	beam	beam
25	679	309	0° - 90°	1284.0	40.1		.36	.33	.35	.33	.34	.32	8	33.8	5.1	16.9	9.9	3.4		
35	397	247	90° - 180°	0.0	0.0		.33	.30	.32	.30	.31	.29	10	18.2	6.9	9.1	13.4	1.8		
45	207	163	0° - 180°	1284.0	*40.1		.30	.27	.30	.27	.29	.27	12	11.3	8.8	5.7	17.0	1.1		
55	127	114					.28	.25	.27	.25	.27	.24	14	7.7	10.6	3.9	20.6	0.8		
65	65	65					.26	.23	.25	.23	.25	.22	16	5.6	12.5	2.8	24.2	0.6		
75	24	26					.24	.21	.24	.21	.23	.21								
85	6	6					.22	.20	.22	.20	.22	.19								
90	0						.21	.18	.21	.18	.20	.18								

LGFI 2/42TRT 8RW T73, 42TRT lamp, 1.1 s/mh, 3200 rated lumens, Test no. LTL14198



From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	Coefficient of utilization						Illuminance Data at 30" Above Floor for a Single Luminaire							
							80%		20%		50%		50° beam angle			10% beam angle				
							50%	30%	50%	30%	50%	30%	56.1°	91.6°	Initial fc	fc at	fc at			
0	1603		0° - 30°	1152.6	18.0	pc														
5	1597	151	0° - 40°	1708.0	26.7	pw	.42	.41	.41	.40	.40	.39	Mount	at beam	Beam	fc at <td>fc at</td> <td></td> <td></td> <td></td>	fc at			
15	1502	421	0° - 60°	2313.3	36.1		.38	.36	.37	.35	.36	.34	height	center	diameter	beam	beam	Beam	beam	beam
25	1270	580	0° - 90°	2487.5	38.9		.34	.32	.34	.32	.33	.31	8	53.0	5.9	26.5	11.3	5.3		
35	893	555	90° - 180°	0.0	0.0		.31	.29	.31	.28	.30	.28	10	28.5	8.0	14.2	15.4	2.8		
45	500	388	0° - 180°	2487.5	*38.9		.29	.26	.28	.26	.28	.25	12	17.8	10.1	8.9	19.5	1.8		
55	238	218					.26	.23	.26	.23	.25	.23	14	12.1	12.3	6.1	23.7	1.2		
65	112	113					.24	.21	.24	.21	.23	.21	16	8.8	14.4	4.4	27.8	0.9		
75	44	49					.23	.20	.22	.20	.22	.19								
85	11	12					.21	.18	.21	.18	.20	.18								
90	0						.20	.17	.19	.17	.19	.17								

LGFI 2/42TRT 8RW FFL, 42TRT lamp, 1.1 s/mh, 3200 rated lumens, Test no. LTL14217



From 0°	Ave	Lumens	Zone	Lumens	% Lamp	pf	Coefficient of utilization						Illuminance Data at 30" Above Floor for a Single Luminaire							
							80%		20%		50%		50° beam angle			10% beam angle				
							50%	30%	50%	30%	50%	30%	58.1°	90.9°	Initial fc	fc at	fc at			
0	1621		0° - 30°	1250.0	19.5	pc														
5	1640	157	0° - 40°	1823.2	28.5	pw	.45	.43	.44	.42	.42	.41	Mount	at beam	Beam	fc at <td>fc at</td> <td></td> <td></td> <td></td>	fc at			
15	1638	460	0° - 60°	2442.3	38.2		.40	.38	.40	.38	.38	.37	height	center	diameter	beam	beam	Beam	beam	beam
25	1390	633	0° - 90°	2643.9	41.3		.37	.34	.36	.33	.35	.33	8	53.6	6.1	26.8	11.2	5.4		
35	924	573	90° - 180°	0.0	0.0		.33	.30	.33	.30	.32	.29	10	28.8	8.3	14.4	15.2	2.9		
45	481	379	0° - 180°	2643.9	*41.3		.30	.27	.30	.27	.29	.27	12	18.0	10.6	9.0	19.3	1.8		
55	266	240					.28	.25	.28	.25	.27	.24	14	12.3	12.8	6.1	23.3	1.2		
65	135	135					.26	.23	.26	.23	.25	.22	16	8.9	15.0	4.4	27.4	0.9		
75	51	54					.24	.21	.24	.21	.23	.21								
85	11	13					.22	.19	.22	.19	.22	.19								
90	0						.21	.18	.21	.18	.20	.18								

NOTES:

- For electrical characteristics consult Technical Bulletins tab.
- Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change without notice.

DCF-500-I

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