

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

- 16-gauge galvanized steel mounting/plaster frame with integral brackets to retain optical system. Maximum 1-1/2" ceiling thickness.
- 16-gauge galvanized steel mounting bars with continuous 4" vertical adjustment are shipped pre-installed. Post installation adjustment possible without the use of tools from above or below ceiling.
- Galvanized steel junction box with hinged access covers and spring latch. Two combination 1/2"-3/4" and three 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors rated for 90°C.

ELECTRICAL SYSTEM

- Rugged aluminum lampholder housing.
- Vertically-mounted, four-pin, positive-latch, thermoplastic socket.
- Class P, thermally-protected, high power factor, electronic ballast mounted to the junction box.

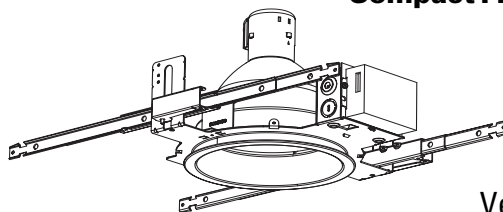
LISTING

- Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and wet locations. Listed and labeled to comply with Canadian Standards.

Type

Catalog number

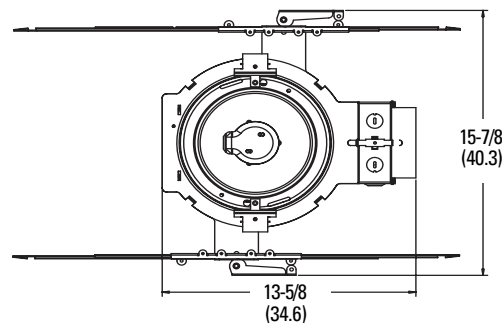
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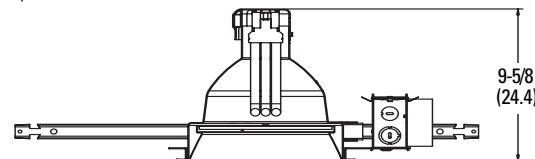
Compact Fluorescent Downlights

8" LGFV

Round Lens
 Wet Location
 Vertical Triple-Tube Lamp



Aperture: 7-7/8 (20.1)
 Ceiling Opening: 8-7/8 (22.5)
 Overlap Trim: 9-1/4 (23.5)



All dimensions are inches (centimeters).

ORDERING INFORMATION

Example: **LGfV 32TRT 8RW T73 MVOLT**

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).

LGfV

Series	Wattage/Lamp	Door Frame	Shielding	Voltage	Ballast	Options
LGfV	18TRT 26TRT¹ 32TRT 42TRT	8RW Regressed white door 8SB Stepped black baffle	T73 Tempered prismatic lens FFL Flat Fresnel lens FOL Flat opal lens	120 277 347 MVOLT²	(blank) Electronic ballast (standard) DMHL^{3,4} Lutron Compact SE [®] electronic dimming ballast ADEZ^{3,4} Advance Mark X [™] electronic dimming ballast ADZT⁴ Advance Mark VII [™] electronic dimming ballast	CP Chicago Plenum TRDA Tamper-Resistant Door Assembly. LRC⁵ Provides compatibility with Lithonia Reloc [®] System. Lithonia Reloc System can be installed less this option with connectors provided by others. Access above ceiling required GMF Single slow-blow fuse (not available with MVOLT) GLR Single fast-blow fuse (not available with MVOLT) WLP Lamp (shipped separately) RIF Radio Interference Filter QDS⁶ Quick Disconnect System for easy ballast replacement ELR⁷ Emergency battery pack. Remote test switch provided ELRSD⁷ Emergency battery pack. Remote test switch and self-diagnostics module provided GSKT Foam gasketing, ships uninstalled
			Accessories			
			Order as separate catalog number.			
			SCA8 Sloped ceiling adapter Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SCA8 10D .			

NOTES

- 1 Will also operate 26DTT 4-PIN lamp.
- 2 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60 Hz.
- 3 Not available with MVOLT.
- 4 Not available with 347V.
- 5 For compatible Reloc Systems, refer to Technical Bulletins tab.
- 6 Not available with ELR option.
- 7 For dimensional changes refer to Technical Bulletins tab.

8" LGFV Round Lens

Distribution curve

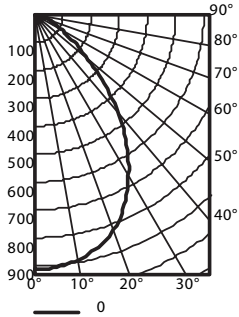
Distribution data

Output data

Coefficient of utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

LGFV 42TRT 8RW T73, 42TRT lamp, 1.1 s/mh, 3200 rated lumens, Test no. LTL14206

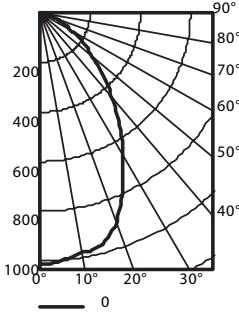


From 0°	Ave	Lumens	Zone	Lumens	% Lamp
0	913		0° - 30°	673.3	21.0
5	909	86	0° - 40°	1027.0	32.1
15	864	243	0° - 60°	1451.9	45.4
25	752	344	0° - 90°	1572.5	49.1
35	569	354	90° - 180°	0.0	0.0
45	350	270	0° - 180°	1572.5	*49.1
55	170	155			*Efficiency
65	79	80			
75	29	33			
85	7	8			
90	0				

pf	80%		20%		50%	
	50%	30%	50%	30%	50%	30%
pc						
pw						
1	.53	.51	.52	.50	.50	.49
2	.48	.45	.47	.44	.45	.43
3	.43	.40	.42	.39	.41	.38
4	.39	.35	.38	.35	.37	.34
5	.36	.32	.35	.32	.34	.31
6	.33	.29	.32	.29	.31	.28
7	.30	.26	.30	.26	.29	.26
8	.28	.24	.27	.24	.27	.24
9	.26	.22	.25	.22	.25	.22
10	.24	.20	.24	.20	.23	.20

Mount height	50% beam angle		10% beam angle	
	Initial fc at center	Beam diameter	fc at beam edge	Beam diameter
8	30.2	6.1	15.1	12.0
10	16.2	8.3	8.1	16.4
12	10.1	10.6	5.1	20.7
14	6.9	12.8	3.5	25.1
16	5.0	15.0	2.5	29.4

LGFV 42TRT 8RW FFL, 42TRT lamp, 1.0 s/mh, 3200 rated lumens, Test no. LTL14207



From 0°	Ave	Lumens	Zone	Lumens	% Lamp
0	1013		0° - 30°	721.8	22.6
5	1004	95	0° - 40°	1067.7	33.4
15	966	269	0° - 60°	1529.5	47.8
25	781	358	0° - 90°	1682.7	52.6
35	554	346	90° - 180°	0.0	0.0
45	354	275	0° - 180°	1682.7	*52.6
55	208	187			*E efficiency
65	103	103			
75	36	40			
85	9	10			
90	0				

pf	80%		20%		50%	
	50%	30%	50%	30%	50%	30%
pc						
pw						
1	.56	.55	.55	.54	.53	.52
2	.51	.48	.50	.47	.48	.46
3	.46	.42	.45	.42	.43	.41
4	.41	.38	.41	.37	.40	.36
5	.38	.34	.37	.33	.36	.33
6	.35	.30	.34	.30	.33	.30
7	.32	.28	.31	.28	.31	.27
8	.29	.25	.29	.25	.28	.25
9	.27	.23	.27	.23	.26	.23
10	.25	.22	.25	.22	.25	.21

Mount height	50% beam angle		10% beam angle	
	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter
8	33.5	5.7	16.7	11.8
10	18.0	7.8	9.0	16.1
12	11.2	9.9	5.6	20.4
14	7.7	11.9	3.8	24.7
16	5.6	14.0	2.8	29.0

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-540

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