

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where an open or damp location lensed fixture is required.

**CONSTRUCTION** — Heavy gauge die formed galvanized steel mounting frame with mechanical trim retention (yoke) ensures secure and flush reflector mounting to ceiling. Attached to frame are vertically adjustable mounting brackets for use with C channels, ½" steel conduit or 16 gauge flat bar hangers included, standard. Frames equipped with galvanized junction box UL Listed for through wire applications. Junction boxes equipped with (2) ¾" and (4) ½" conduit knockouts with pryout slots and removable access doors. Maximum 1-1/2" ceiling thickness.

**OPTICS** — Aluminum full reflectors are optically designed to maximize lumen output and to provide superior glare control. Anodized finishes for open reflectors are semi-specular or diffuse in a variety of colors. Polyester powder coat finishes also are available in white.

Lenses are available in clear flat glass, tempered prismatic glass or polycarbonate to provide optimal visual comfort and improved aesthetics. Lens is recessed 1-3/4 (4.4) from flange.

**ELECTRICAL** — Electronic ballast with end of lamp life protection standard. Class P thermally protected ballast protects against improper contact with insulation. Minimum starting temperature is 0°F/-18°C. Rated for #12 AWG conductor thru-branch wiring. Minimum 90° supply wire. Ground wire provided.

**Lamp Socket Base:**

DTT 4-pin lamps – 18W (G24Q-2); 26W (G24Q-3)

TRT 4-pin lamps – 18W (GX24Q-2); 26W (GX24Q-3); 32W (GX24Q-3); 42W (GX24Q-4); 57W (GX24Q-5)

**LISTING** — Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian Safety Standards.

Note: Specifications subject to change without notice.

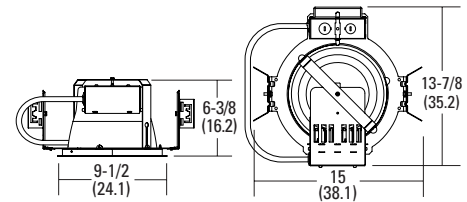
Catalog Number
Notes
Type

### Compact Fluorescent Downlighting

# 8" LF8N

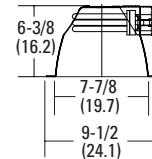


OPEN REFLECTOR  
Horizontal 1-Lamp, Triple Tube (TRT)



*Specifications*

- Max. height: 6-3/8 (16.2)
- Ceiling opening: 8-3/4 (22.2)
- Overlap trim: 9-1/2 (24.1)
- Length: 15 (38.1)
- Width: 13-7/8 (35.2)



All dimensions are inches (centimeters) unless otherwise specified.

### ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

**Example:** LF8N 1/26-42TRT F801AZ MVOLT

LF8N Series	Wattage/Lamp	Reflector/Color	Lens Type	Voltage	Options <sup>8</sup>
<b>LF8N</b>	1/18DTT	F801 White open	(blank) No lens	<b>MVOLT<sup>3</sup></b> 120 277 347 <sup>4</sup>	ADEZ Advance Mark 10™ electronic dimming ballast, 120V or 277V. Must be voltage specific. Minimum dimming level 5%.
	1/26DTT	<b>F801A</b> Clear diffuse open	CGL Clear glass lens		ECOS Lutron EcoSystem electronic dimming ballast, 120V - 277V. Must be wattage specific. Minimum dimming level 5%
	1/18TRT	<b>F801AZ</b> Clear semi-specular open	T73 Tempered glass prismatic lens		<b>EL</b> Emergency PSDL3 DL battery pack with integral test switch <sup>5</sup>
	<b>1/26-42TRT<sup>1</sup></b>	F801G Gold diffuse open	PCL Clear polycarbonate lens		<b>ELR</b> Emergency PSDL3 DL battery pack with remote test switch <sup>5</sup>
	1/26TRT	F801GZ Gold semi-specular open			ELHL Iota I-420-R High lumen output emergency battery pack. Integral test switch provided. Maximum average lumen output 1300 (42W). <sup>6</sup>
	1/32TRT	F801PR Pewter diffuse open			ELRHL Iota I-420-EM-B high lumen output emergency battery pack. Remote test switch provided. Maximum average lumen output 1300 (42W). <sup>6</sup>
	1/42TRT	F801WTZ Wheat semi-specular open			GMF Single slow-blow fuse, must specify voltage
	1/57TRT <sup>2</sup>				BDP Ballast disconnect plug (meets codes that require in-fixture disconnect) <sup>4</sup>
					WLP 35K lamp (shipped separately)
					TRW White flange
			RIF1 Radio interference filter		
			NSD Sensor Switch nLight™ dimming relay <sup>7</sup>		
			LBH Less barhangers		

Accessories: Order as separate catalog number.	
SCA8	Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D) Ex: SCA8 10D.
CTE8	Ceiling thickness extender is used when ceiling thickness is greater than 1-1/2 (3.8). Maximum thickness 2 (5.1).

**Notes**

- 1 Not available with ECOS or WLP.
- 2 Not available with 347V, ECOS, EL or ELR.
- 3 Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- 4 Not available with EL or ELR.
- 5 Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- 6 Not recommended for field installation.
- 7 One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply.
- 8 For additional options see lithonia.com.

# 8" LF8N Horizontal 1-Lamp, Triple Tube (TRT), Open

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire	
<b>LF8N 1/32TRT F801AZ MVOLT, (1) 32W TRT lamps, 1.3 s/mh, 1800 rated lumens, test no. LTL12540</b>					
	cp	Lumens	Zone Lumens % Lamp	pf pc 80% 70% 50% pw 50% 30% 50% 30% 50% 30%	Task Height: 2.5ft. 50% beam - 71.4" 10% beam - 93.5" Initial FC Mounting Center Height Beam Diameter FC Diameter FC
	0	778	0° - 30° 702.3 29.3	0 73 73 72 72 68 68	
	5	789	0° - 40° 1156.2 48.2	1 67 66 66 64 63 62	
	15	826	0° - 60° 1456.8 60.7	2 62 59 60 58 58 56	
	25	851	0° - 90° 1478.0 61.6	3 56 53 55 52 54 51	
	35	752	90° - 180° 0.0 0.0	4 52 47 51 47 49 46	
	45	310	0° - 180° 1478.0 *61.6	5 47 43 47 43 45 42	
	55	54	*Total Efficiency	6 43 39 43 39 42 38	
	65	14		7 40 36 40 36 39 35	
	75	5		8 37 33 37 33 36 32	
	85	1		9 34 30 34 30 33 30	
90	0		10 32 28 32 28 31 27		

<b>LF8N 1/42TRT F801AZ CGL MVOLT, (1) 42W TRT Lamp, 3200 rated lumens per lamp, 1.6 s/mh, Test No. LTL15084</b>					
	0°	Zone Lumens % Lamp	pf pc 80% 70% 50% pw 50% 30% 50% 30% 50% 30%	Task Height: 2.5ft. 50% beam - 10% beam 76.2" - 96.1" Initial fc Mtg Center Ht Beam Diameter fc Diameter fc	
	0°	848	0° - 30° 815 25.5		0 68 68 67 67 64 64
	5°	830	0° - 40° 1414 44.2		1 63 61 61 60 59 58
	15°	799	0° - 60° 1825 57.0		2 57 55 56 54 54 52
	25°	784	0° - 90° 1837 57.4		3 52 49 51 48 50 47
	35°	768	90° - 180° 0 0.0		4 48 44 47 44 46 43
	45°	376	0° - 180° 1837 57.4		5 44 40 43 39 42 39
	55°	62	Efficiency: 57.4%		6 40 36 40 36 39 35
	65°	9			7 37 33 37 33 36 32
	75°	3			8 34 30 34 30 33 29
	85°	0			9 32 27 31 27 31 27
90°	0		10 29 25 29 25 28 25		

<b>LF8N 1/42TRT F801AZ T73 MVOLT, (1) 42W TRT Lamp, 3200 rated lumens per lamp, 1.2 s/mh, Test No. LTL15085</b>					
	0°	Zone Lumens % Lamp	pf pc 80% 70% 50% pw 50% 30% 50% 30% 50% 30%	Task Height: 2.5ft. 50% beam - 10% beam 62.0" - 91.7" Initial fc Mtg Center Ht Beam Diameter fc Diameter fc	
	0°	1012	0° - 30° 837 26.2		0 64 64 63 63 60 60
	5°	999	0° - 40° 1237 38.7		1 59 57 57 56 55 54
	15°	952	0° - 60° 1633 51.0		2 53 50 52 50 50 48
	25°	871	0° - 90° 1729 54.0		3 48 45 48 44 46 43
	35°	581	90° - 180° 0 0.0		4 44 40 43 40 42 39
	45°	299	0° - 180° 1729 54.0		5 40 36 40 36 39 36
	55°	153	Efficiency: 54.0%		6 37 33 37 33 36 32
	65°	90			7 34 30 34 30 33 30
	75°	13			8 32 28 31 28 31 27
	85°	0			9 29 26 29 26 29 25
90°	0		10 27 24 27 24 27 23		