

### 8" CFL Horizontal, Compact Fluorescent Downlighting



LF8N Baffle



LF8N Open



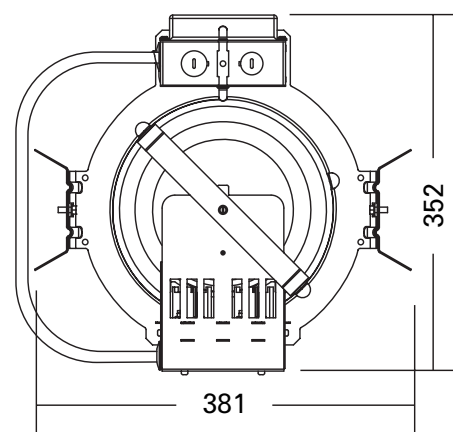
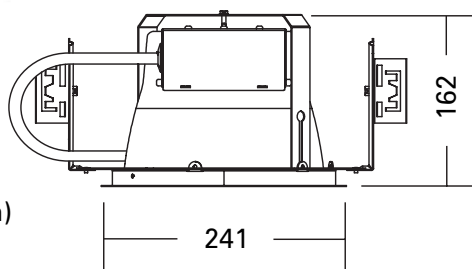
LF8N Wallwash



LF8N Lensed

#### Dimensional Specifications

**Max. Height:** 6-3/8 inches (162 mm)  
**Ceiling Opening:** 8-3/4 inches (222 mm)  
**Overlap Trim:** 9-1/2 inches (241 mm)  
**Length:** 15 inches (381 mm)  
**Width:** 13-7/8 inches (352 mm)



*Technical Data are Subject to Change without Notice. Dimensions in mm.*

#### LF8N Series

8" CFL Horizontal (Spec Line)

#### Intended Use

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where **baffle**, **open**, **wallwash**, or **lensed** reflectors are required.

#### Construction

Heavy-gauge die-formed galvanized steel mounting frame with mechanical trim retention (yoke) ensures secure and flush reflector mounting to ceiling. Vertically adjustable mounting brackets for use with 16-gauge flat barhangers (included), C channels or 1/2" steel conduit. Junction boxes equipped with two 3/4" and four 1/2" conduit knockouts with pryout slots and removable access doors.

Maximum ceiling thickness 1-1/2".

#### Electrical

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

#### Listings

Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.

#### Available Reflector Options

See Documentation.

## FEATURES &amp; SPECIFICATIONS

## INTENDED USE

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where a baffled 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.

Galvanized steel junction box with removable access door, (4) romex knockouts, (2) ¾" and (4) 1/2" nominal conduit knockouts with pryout slots. Positioned to allow straight conduit runs.

Maximum 1-1/2" ceiling thickness.

## OPTICS

Aluminum full reflectors are optically designed to maximize lumen output and to provide superior glare control. The black or white baffled reflectors have a semi-specular upper finish with a white painted flange standard.

## 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:

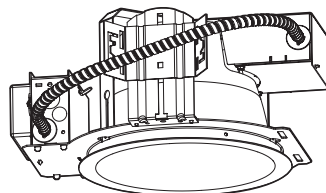
DTT 4-pin lamps – 18W (G24Q-2); 26W (G24Q-3)

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.

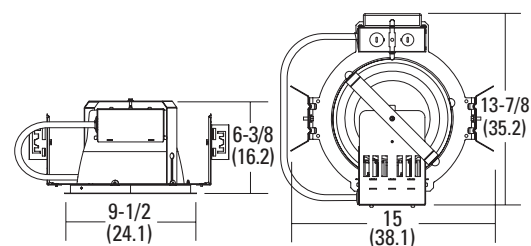
## Compact Fluorescent Downlighting



8" LF8N

## BAFFLE

Horizontal 1-Lamp, Triple Tube (TRT)



## Specifications

Max. height: 6-3/8 (16.2)

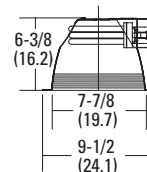
Ceiling opening: 8-3/4 (22.2)

Overlap trim: 9-1/2 (24.1)

Length: 15 (38.1)

Width: 13-7/8 (35.2)

All dimensions are inches (centimeters).



## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: LF8N 1/26-42TRT F8B5 MVOLT

LF8N						
Series	Wattage/Lamp	Reflector/Color <sup>3</sup>		Voltage	Options <sup>9</sup>	
LF8N	1/18DTT	F8B5 Black baffle F8B5W White baffle		MVOLT <sup>4</sup> 120 277 347 <sup>5</sup>	ADEZ	Advance Mark 10™ electronic dimming ballast, 120V or 277V. Must be voltage specific. Minimum dimming level 5%
	1/26DTT				ECOS	Lutron EcoSystem electronic dimming ballast, 120V - 277V. Must be wattage specific. Minimum dimming level 5%
	1/18TRT				EL	Emergency PSDL3 DL battery pack with integral test switch <sup>6</sup>
	1/26-42TRT <sup>1</sup>				ELR	Emergency PSDL3 DL battery pack with remote test switch <sup>6</sup>
	1/26TRT				ELHL	Iota I-420-R High lumen output emergency battery pack. Internal test switch provided. Maximum average lumen output is 1300 (42W) <sup>7</sup>
	1/32TRT				ELRHL	Iota I-420-EM-B High lumen output emergency battery pack. Remote test switch provided. Maximum average lumen output is 1300 (42W) <sup>7</sup>
	1/42TRT				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>5</sup>	WLP	35K lamp (shipped separately)		
				RIF1	Radio Interference Filter	
				NSD	Sensor Switch nLight™ dimming relay <sup>8</sup>	
				LBH	Less Barhangers	

NOTES:

1 Not available with ECOS or WLP.

2 Not available with 347V, ECOS, EL or ELR.

3 White painted flange standard.

4 Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.

5 Not available with EL or ELR.

6 Add 3" (7.6) to width and 4-1/2" (11.4) to length.

7 Not recommended for field installation.

8 One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply.

9 For additional options contact sales office.

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:

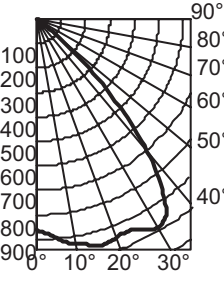
- Not available with ECOS or WLP.
- Not available with 347V, ECOS, EL or ELR.
- White painted flange standard.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended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

## Accessories

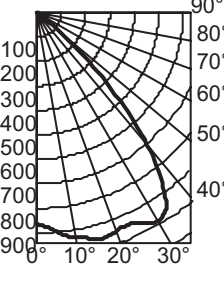
- Order as separate catalog number
- SCA8 Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D) Ex: SCA8 10D.
- CTE8 Ceiling thickness extender is used when ceiling thickness is greater than 1-1/2 (3.8). Maximum thickness 2 (5.1).

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

LF8N 1/32TRT MVOLT F8B5, (1) 32TRT lamp, 1.39 s/mh, 2400 rated lumens, test no. LTL18229

	Intensity Distribution		Zonal Lumen Summary		Coefficients of Utilization				
	Horizontal Angle		Zone	Lumens % Lamp	pf	20%		50%	
	Vertical Angle	0°				80%	70%	50%	30%
	0°	863	0° - 30°	774.3 32.3	pc	82	82	80	80
	5°	898	0° - 40°	1296.8 54.0	pw	50%30%	50%30%	50%30%	50%30%
	15°	957	0° - 60°	1641.7 68.4	0	82	82	80	80
	25°	948	0° - 90°	1659.6 69.1	1	76	74	74	72
	35°	919	90° - 180°	0.0 0.0	2	69	66	68	65
	45°	403	0° - 180°	1659.6 *69.1	3	63	59	62	59
	55°	32	*Total Efficiency		4	58	53	57	53
	65°	15			5	53	48	52	48
	75°	5			6	49	44	48	44
	85°	0			7	45	40	45	40
	90°	0			8	42	37	41	37
					9	39	34	38	34
					10	36	31	36	31

LF8N 1/32TRT MVOLT F8B5W, (1) 32TRT lamp, 1.37 s/mh, 2400 rated lumens, test no. LTL18230

	Intensity Distribution		Zonal Lumen Summary		Coefficients of Utilization				
	Horizontal Angle		Zone	Lumens % Lamp	pf	20%		50%	
	Vertical Angle	0°				80%	70%	50%	30%
	0°	863	0° - 30°	774.3 32.3	pc	82	82	80	80
	5°	898	0° - 40°	1296.8 54.0	pw	50%30%	50%30%	50%30%	50%30%
	15°	957	0° - 60°	1641.7 68.4	0	82	82	80	80
	25°	948	0° - 90°	1659.6 69.1	1	76	74	74	72
	35°	919	90° - 180°	0.0 0.0	2	69	66	68	65
	45°	403	0° - 180°	1659.6 *69.1	3	63	59	62	59
	55°	32	*Total Efficiency		4	58	53	57	53
	65°	15			5	53	48	52	48
	75°	5			6	49	44	48	44
	85°	0			7	45	40	45	40
	90°	0			8	42	37	41	37
					9	39	34	38	34
					10	36	31	36	31

## FEATURES & SPECIFICATIONS

### INTENDED USE

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where a baffled 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. The black or white baffled reflectors have a semi-specular upper finish with a white painted flange standard.

### 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.

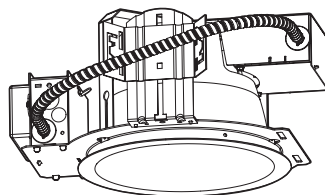
### Lamp Socket Base:

DTT 4-pin lamps – 13W (G24Q-1); 18W (G24Q-2); 26W (G24Q-3)

### LISTINGS

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

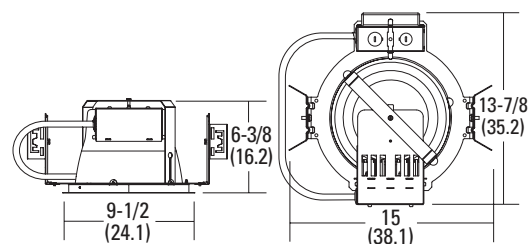
### Compact Fluorescent Downlighting



# 8" LF8N

### BAFFLE

Horizontal, 2-Lamp Double Twin-Tube (DTT)



### Specifications

Max. Height: 6-3/8 (16.2)

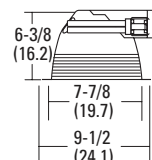
Ceiling Opening: 8-3/4 (22.2)

Overlap Trim: 9-1/2 (24.1)

Length: 15 (38.1)

Width: 13-7/8 (35.2)

All dimensions are inches (centimeters).



## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: LF8N 2/26DTT F8B3 MVOLT

LF8N					
Series	Wattage/Lamp	Reflector/Color <sup>2</sup>		Voltage	Options <sup>8</sup>
LF8N	2/13DTT <sup>1</sup>	<b>F8B3</b> <b>Black baffle</b> <b>F8B3W</b> <b>White baffle</b>		<b>MVOLT<sup>3</sup></b>	ADEZ Advance Mark 10™ electronic dimming ballast, 120V or 277V. Must be wattage and voltage specific. Minimum dimming level 5%
	2/18DTT			120	ECOS Lutron EcoSystem electronic dimming ballast, 120V - 277V. Must be wattage specific. Minimum dimming level 5%
	<b>2/26DTT</b>			277 347 <sup>4</sup>	<b>EL Emergency PSDL3 DL battery pack with integral test switch<sup>5</sup></b> <b>ELR Emergency PSDL3 DL battery pack with remote test switch<sup>5</sup></b> ELRHL2LP Iota I-162 Emergency battery pack with remote test switch. Operates two 26W CFL lamps in emergency mode with battery back-up in case of power disruption. Average lumen output is 2600 <sup>6</sup>

### NOTES:

- Not available with ADEZ and ECOS.
- White painted flange standard.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- Ships standard for 1-lamp operation. For 2-lamp emergency operation, consult installation instructions or factory. Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.
- One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply.
- For additional options contact sales office.

### 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).

## 8" LF8N Horizontal, 2-Lamp Double Twin-Tube (DTT), Baffle

## Distribution Curve


## Distribution Data

## Output Data

## Coefficient of Utilization

Illuminance Data at 30" Above Floor for  
a Single Luminaire

LF8N 2/26DTT F8B3 MVOLT, (2) 26W DTT lamps, 1.3 s/mh, 1800 rated lumens, test no. LTL9582

	From 0°	cp.	Zone	Lumens	%lamp	rf	20%						Mount height	Initial fc at beam center	50%		10%	
						rc	80%		70%		50%				Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
							50%	30%	50%	30%	50%	30%						
	0°	938	0°-30°	788	21.9	0	.52	.52	.51	.51	.49	.49	8'	31.0	7.0'	15.5	11.7'	3.1
	5°	936	0°-40°	1237	34.3	1	.48	.47	.47	.46	.45	.45	10'	16.7	9.5'	8.3	16.0'	1.7
220	15°	1000	0°-60°	1573	43.7	2	.44	.42	.43	.42	.42	.40	12'	10.4	12.0'	5.2	20.2'	1.0
440	25°	910	0°-90°	1586	44.1	3	.40	.38	.40	.38	.39	.37	14'	7.1	14.6'	3.5	24.5'	0.7
660	35°	724	90°-180°	0	0.0	4	.37	.34	.37	.34	.36	.33	16'	5.1	17.1'	2.6	28.7'	0.5
880	45°	384	0°-180°	1586	44.1*	5	.34	.31	.34	.31	.33	.30						
1100	55°	40				6	.31	.28	.37	.28	.30	.28						
	65°	9				7	.29	.26	.29	.26	.28	.26						
	75°	2				8	.27	.24	.27	.24	.26	.24						
	85°	1				9	.25	.22	.25	.22	.24	.22						
	90°	0				10	.23	.20	.23	.20	.23	.20						



## FEATURES & SPECIFICATIONS

### INTENDED USE

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where a baffled 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. The black or white baffled reflectors have a semi-specular upper finish with a white painted flange standard.

### 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.

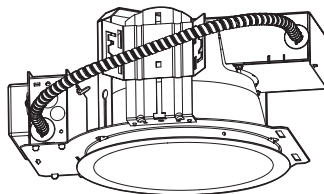
### Lamp Socket Base:

TRT 4-pin lamps – 26W (GX24Q-3); 32W (GX24Q-3); 42W (GX24Q-4)

### LISTING

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

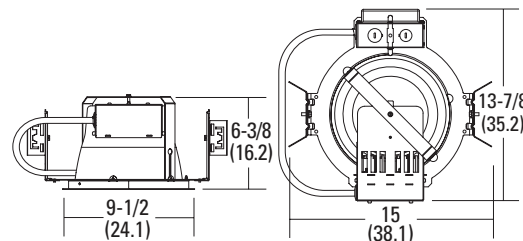
### Compact Fluorescent Downlighting



# 8" LF8N

### BAFFLE

Horizontal 2-Lamp, Triple Tube (TRT)



### Specifications

Max. Height: 6-3/8 (16.2)

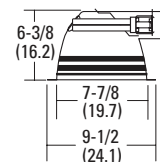
Ceiling Opening: 8-3/4 (22.2)

Overlap Trim: 9-1/2 (24.1)

Length: 15 (38.1)

Width: 13-7/8 (35.2)

All dimensions are inches (centimeters).



## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: LF8N 2/26-42TRT F8B4 MVOLT

LF8N					
Series	Wattage/Lamp	Reflector/Color <sup>2</sup>		Voltage	Options <sup>8</sup>
LF8N	<b>2/26-42TRT<sup>1</sup></b>	<b>F8B4</b>	<b>Black baffle</b>	<b>MVOLT<sup>3</sup></b>	ADEZ Advance Mark 10™ electronic dimming ballast, 120V or 277V. Must be wattage and voltage specific. Minimum dimming level 5%
	2/26TRT				
	2/32TRT				
	2/42TRT				
		<b>F8B4W</b>	<b>White baffle</b>	120	ECOS Lutron EcoSystem electronic dimming ballast, 120V - 277V. Must be wattage specific. Minimum dimming level 5%
				277	
				347 <sup>4</sup>	

### NOTES:

- Not available with ECOS or WLP.
- White painted flange standard.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- Ships standard for 1-lamp operation. For 2-lamp emergency operation, consult installation instructions or factory. Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.
- One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply.
- For additional options contact sales office.

### 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).

ELRHL2LP Iota I-162 Emergency battery pack with remote test switch. Operates two 26W, two 32W or two 42W CFL lamps in emergency mode with battery back-up in case of power disruption. Average output is 2600 lumens for two 26W lamps; average output is 2750 lumens for two 32W lamps; average output is 2800 lumens for 42W lamps<sup>6</sup>

GMF Single slow-blow fuse, must specify voltage

BDP Ballast disconnect plug (meets codes that require in-fixture disconnect)<sup>4</sup>

WLP 35K lamp (shipped separately)

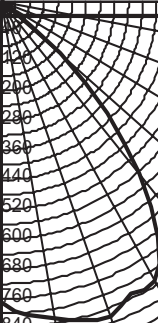
RIF1 Radio Interference Filter

NSD Sensor Switch nLight™ dimming relay<sup>7</sup>

LBH Less Barhangers

## 8" LF8N Horizontal, 2-Lamp Triple Tube (TRT), Baffle

LF8N 2/26TRT F8B4 MVOLT, (2) 26W TRT lamps, 1.47 s/mh, 1800 rated lumens, test no. LTL12106

Intensity Distribution					Coefficients of Utilization								
	Horizontal Angle		Zonal Lumen Summary		pf	20%							
	Vertical Angle	0	Zone	Lumens		% Lamp	pc	80%		70%		50%	
								50%	30%	50%	30%	50%	30%
140	0	811	0° - 30°	762.2	21.2	FOR	0	55	55	54	54	51	51
280	5	847	0° - 40°	1220.8	33.9		1	50	49	49	48	48	47
360	15	886	0° - 60°	1650.5	45.8		2	46	44	45	43	44	42
440	25	869	0° - 90°	1664.6	46.2		3	42	39	41	39	40	38
520	35	772	90° - 180°	0.0	0.0		4	38	35	38	35	37	34
600	45	423	0° - 180°	1664.6	*46.2		5	35	32	35	32	34	31
680	55	42	*Total Efficiency				6	32	29	32	29	31	28
760	65	7					7	30	26	29	26	29	26
840	75	3					8	27	24	27	24	26	24
	85	1					9	25	22	25	22	25	22
	90	0				10	24	20	23	20	23	20	

LF8N 2/32TRT F8B4 MVOLT, (2) 32W TRT lamps, 1.43 s/mh, 2400 rated lumens, test no. LTL12110

Intensity Distribution					Coefficients of Utilization									
Vertical Angle	Horizontal Angle		Zonal Lumen Summary		pf	pc	pw	80%		20%		50%		
	0		Zone	Lumens % Lamp				50%	30%	50%	30%	50%	30%	
90°	0	1030	0° - 30°	947.1 19.7	FOR	0	51	51	50	50	47	47		
80°	5	1053	0° - 40°	1504.9 31.4		1	47	45	46	44	44	43		
70°	15	1058	0° - 60°	2029.5 42.3		2	42	40	42	40	40	39		
60°	25	992	0° - 90°	2046.0 42.6		3	39	36	38	36	37	35		
50°	35	843	90° - 180°	0.0 0.0		4	35	33	35	32	34	32		
40°	45	477	0° - 180°	2046.0 *42.6		5	32	29	32	29	31	29		
30°	55	59	*Total Efficiency			6	30	27	29	27	29	26		
	65	8				7	27	24	27	24	26	24		
	75	4				8	25	22	25	22	25	22		
	85	1				9	23	20	23	20	23	20		
	90	0			10	22	19	22	19	21	19			

LF8N 2/42TRT F8B4 MVOLT, (2) 42W TRT lamps, 1.38 s/mh, 3200 rated lumens, test no. LTL12049

Intensity Distribution						Coefficients of Utilization									
Vertical Angle	Horizontal Angle		Zonal Lumen Summary			pf	pc	pw	80%		20%		50%		
	0		Zone	Lumens	% Lamp				50%	30%	50%	30%	50%	30%	
90°	0	1329	0° - 30°	1181.5	18.5	FCR	0	48	48	46	46	44	44		
80°	5	1353	0° - 40°	1867.6	29.2		1	44	42	43	42	41	40		
70°	15	1364	0° - 60°	2536.7	39.6		2	40	38	39	37	38	36		
60°	25	1272	0° - 90°	2557.6	40.0		3	36	34	36	34	35	33		
50°	35	1131	90° - 180°	0.0	0.0		4	33	31	33	30	32	30		
40°	45	708	0° - 180°	2557.6	*40.0		5	30	28	30	27	29	27		
30°	55	130	*Total Efficiency				6	28	25	28	25	27	24		
20°	65	11					7	26	23	25	23	25	22		
10°	75	5					8	24	21	23	21	23	21		
0°	85	1					9	22	19	22	19	21	19		
	90	0				10	20	18	20	18	20	17			

## 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, 1/2" 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) 3/4" and (4) 1/2" 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:

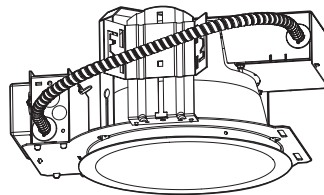
DTT 4-pin lamps – 18W (GX24Q-2); 26W (GX24Q-3)

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.

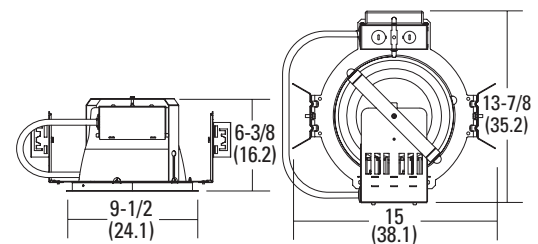
### Compact Fluorescent Downlighting



# 8" LF8N

### OPEN REFLECTOR

Horizontal 1-Lamp, Triple Tube (TRT)



### Specifications

Max. height: 6-3/8 (16.2)

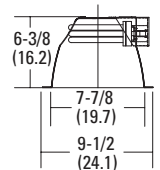
Ceiling opening: 8-3/4 (22.2)

Overlap trim: 9-1/2 (24.1)

Length: 15 (38.1)

Width: 13-7/8 (35.2)

All dimensions are inches (centimeters).



## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: LF8N 1/26-42TRT F801AZ MVOLT

LF8N					
Series	Wattage/Lamp	Reflector/Color	Lens Type		Voltage
LF8N	1/28DTT	F801 White open	(blank)	No lens	<b>MVOLT<sup>3</sup></b>
	1/26DTT	<b>F801A Clear diffuse open</b>	CGL	Clear glass lens	
	1/18TRT	<b>F801AZ Clear semi-specular open</b>	T73	Tempered glass prismatic lens	
	<b>1/26-42TRT<sup>1</sup></b>		PCL	Clear polycarbonate lens	
	1/26TRT	F801G Gold diffuse open			
	1/32TRT	F801GZ Gold semi-specular open			
	1/42TRT	F801PR Pewter diffuse open			
	1/57TRT <sup>2</sup>	F801WTZ Wheat semi-specular open			

### NOTES:

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

### 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).

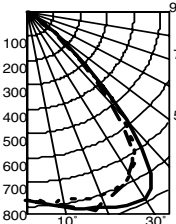
Options <sup>8</sup>	
ADEZ	Advance Mark 10™ electronic dimming ballast, 120V or 277V. Must be voltage specific. Minimum dimming level 5%
ECOS	Lutron EcoSystem electronic dimming ballast, 120V - 277V. Must be wattage specific. Minimum dimming level 5%
<b>EL</b>	<b>Emergency PSDL3 DL battery pack with integral test switch. Lens removal required before EL testing<sup>5</sup></b>
<b>ELR</b>	<b>Emergency PSDL3 DL battery pack with remote test switch<sup>5</sup></b>
ELHL	Iota I-420-R High lumen output emergency battery pack. Internal test switch provided. Maximum average lumen output is 1300 (42W) <sup>6</sup>
ELRHL	Iota I-420-EM-B High lumen output emergency battery pack. Remote test switch provided. Maximum average lumen output is 1300 (42W) <sup>6</sup>
GMF	Single slow-blow fuse, must specify voltage
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



## 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
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**LF8N 1/32TRT F801AZ MVOLT**, (1) 32W TRT lamps, 1.3 s/mh, 1800 rated lumens, test no. LTL12540

	cp	Lumens	Zone	Lumens % Lamp	pf	20%				Task Height: 2.5ft.			
					pc	80%				50% beam - 71.4° 10% beam - 93.5°			
					pw	50%	30%	50%	30%	50%	30%	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	8.0	25.7
	5	789	0° - 40°	1156.2 48.2	1	67	66	66	64	63	62	10.0	13.8
	15	826	0° - 60°	1456.8 60.7	2	62	59	60	58	58	56	12.0	8.6
	25	851	0° - 90°	1478.0 61.6	3	56	53	55	52	54	51	14.0	5.9
	35	752	90° - 180°	0.0 0.0	4	52	47	51	47	49	46	16.0	4.3
	45	310	0° - 180°	1478.0 *61.6	5	47	43	47	43	45	42		
	55	54			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		

**LF8N 1/42TRT F801AZ CGL MVOLT**, (1) 42W TRT Lamp, 3200 rated lumens per lamp, 1.6 s/mh, Test No. LTL15084

	90°	0°	Zone	Lumens	% Lamp	pf	20%				Task Height: 2.5ft.				
		0°	848	0° - 30°	815	25.5	pc	80%				50% beam - 10% beam			
		5°	830	0° - 40°	1414	44.2	pw	50%	30%	50%	30%	50%	30%	76.2°	- 96.1°
	100	15°	799	0° - 60°	1825	57.0	0	68	68	67	67	64	64		
	200	25°	784	0° - 90°	1837	57.4	1	63	61	61	60	59	58		
	300	35°	768	90° - 180°	0	0.0	2	57	55	56	54	54	52		
	400	45°	376	0° - 180°	1837	57.4	3	52	49	51	48	50	47		
	500	55°	62				4	48	44	47	44	46	43		
	600	65°	9				5	44	40	43	39	42	39		
	700	75°	3	Efficiency: 57.4%			6	40	36	40	36	39	35		
	800	85°	0				7	37	33	37	33	36	32		
		90°	0				8	34	30	34	30	33	29		
						9	32	27	31	27	31	27			
						10	29	25	29	25	28	25			

Mtg	Initial fc				
Ht	Center	Beam	Diameter	fc	Diameter
8	28.0		9	14	12
10	15.1		12	8	17
12	9.4		15	5	21
14	6.4		18	3	26
16	4.7		21	2	30

**LF8N 1/42TRT F801AZ T73 MVOLT**, (1) 42W TRT Lamp, 3200 rated lumens per lamp, 1.2 s/mh, Test No. LTL15085

	0°		<u>Zone</u>	<u>Lumens</u>	<u>% Lamp</u>	pf							Task Height: 2.5ft.			
	0°	1012	0° - 30°	837	26.2	pc	80%						50% beam - 10% beam			
	5°	999	0° - 40°	1237	38.7	pw	50%	30%	50%	30%	50%	30%	62.0°		- 91.7°	
	15°	952	0° - 60°	1633	51.0	0	64	64	63	63	60	60				
	25°	871	0° - 90°	1729	54.0	1	59	57	57	56	55	54				
	35°	581	90° - 180°	0	0.0	2	53	50	52	50	50	48				
	45°	299	0° - 180°	1729	54.0	3	48	45	48	44	46	43				
	55°	153				4	44	40	43	40	42	39				
	65°	90				5	40	36	40	36	39	36				
	75°	13				6	37	33	37	33	36	32				
	85°	0				7	34	30	34	30	33	30				
	90°	0				8	32	28	31	28	31	27				
						9	29	26	29	26	29	25				
						10	27	24	27	24	27	23				

Efficiency: 54.0%


## FEATURES &amp; 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.

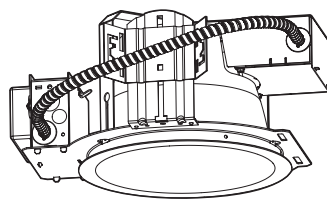
## Lamp Socket Base:

DTT 4-pin lamps – 13W (G24Q-1); 18W (G24Q-2); 26W (G24Q-3)

## LISTINGS

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

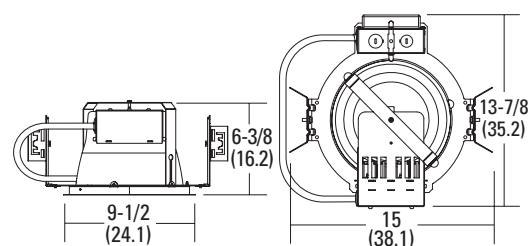
## Compact Fluorescent Downlighting



8" LF8N

## OPEN REFLECTOR

Horizontal, 2-Lamp Double Twin-Tube (DTT)



## Specifications

Max. Height: 6-3/8 (16.2)

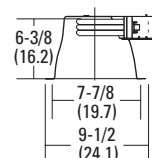
Ceiling Opening: 8-3/4 (22.2)

Overlap Trim: 9-1/2 (24.1)

Length: 15 (38.1)

Width: 13-7/8 (35.2)

All dimensions are inches (centimeters).



## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: LF8N 2/26DTT F802AZ MVOLT

LF8N						
Series	Wattage/Lamp	Reflector/Color	Lens Type		Voltage	Options <sup>7</sup>
LF8N	2/13DTT <sup>1</sup>	F802 White open	(blank)	No lens	<b>MVOLT<sup>2</sup></b>	ADEZ Advance Mark 10™ electronic dimming ballast, 120V or 277V. Must be voltage specific. Minimum dimming level 5%
	2/18DTT	<b>F802A Clear diffuse open</b>	CGL	Clear glass lens	120	ECOS Lutron EcoSystem electronic dimming ballast, 120V - 277V. Must be wattage specific. Minimum dimming level 5%
	<b>2/26DTT</b>	<b>F802AZ Clear semi-specular open</b>	T73	Tempered glass prismatic lens	277	<b>EL Emergency PSDL3 DL battery pack with integral test switch. Lens removal required before EL testing<sup>4</sup></b>
		F802G Gold diffuse open	PCL	Clear polycarbonate lens	347 <sup>3</sup>	<b>ELR Emergency PSDL3 DL battery pack with remote test switch<sup>4</sup></b>
		F802GZ Gold semi-specular open				ELRHL2LP Iota I-162 Emergency battery pack with remote test switch. Operates two 26W CFL lamps in emergency mode with battery back-up in case of power disruption. Average lumen output is 2600 <sup>5</sup>
		F802PR Pewter diffuse open				GMF Single slow-blow fuse, must specify voltage
		F802WTZ Wheat semi-specular open				BDP Ballast disconnect plug (meets codes that require in-fixture disconnect) <sup>3</sup>
NOTES:						
1 Not available with ADEZ and ECOS.						
2 Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.						
3 Not available with EL or ELR.						
4 Ships standard for 1-lamp operation. For 2-lamp emergency operation, consult installation instructions or factory. Add 3" (7.6) to width and 4-1/2" (11.4) to length.						
5 Not recommended for field installation.						
6 One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply.						
7 For additional options contact sales office.						

## 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).

WLP 35K lamp (shipped separately)

TRW White flange

RIF1 Radio Interference Filter

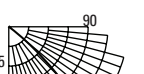
NSD Sensor Switch nLight™ dimming relay<sup>6</sup>

LBH Less Barhangers

## 8" LF8N Horizontal, 2-Lamp Double Twin-Tube (DTT), Open

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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**LF8N 2/26DTT F802AZ MVOLT**, (2) 26W DTT lamps, 1.3 s/mh, 1800 rated lumens, test no. LTL9580

	From 0°	cp.	Zone	Lumens	%lamp	rf	80%				20%				50%				Mount height	Initial fc at beam center	50%		10%	
						rc	50%		30%		50%		30%		50%		30%				Beam angle 73.0°		Beam angle 93.6°	
							nw														Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
275	0°	1141	0°-30°	1081	30.0	0	.73	.73	.71	.71	.68	.68												
	5°	1184	0°-40°	1777	49.3	1	.67	.65	.66	.64	.63	.62												
550	15°	1352	0°-60°	2200	61.1	2	.62	.59	.61	.58	.58	.56	8'	37.7				8.1'	18.9	11.7'	9.3			
	25°	1272	0°-90°	2203	61.2	3	.57	.53	.56	.52	.54	.51	10'	20.3				11.1'	10.1	16.0'	2.0			
825	35°	1146	90°-180°	0	0.0	4	.52	.48	.51	.48	.50	.47	12'	12.6				14.1'	6.3	20.2'	1.3			
	45°	909	0°-180°	2203	61.2*	5	.48	.44	.47	.43	.46	.43	14'	8.6				17.0'	4.3	24.5'	0.9			
1100	55°	22	* Efficiency			6	.44	.40	.43	.39	.42	.39	16'	6.3				20.0'	3.1	28.8'	0.6			
	65°	3				7	.41	.36	.40	.36	.39	.36												
	75°	1				8	.38	.33	.37	.33	.37	.33												
	85°	1				9	.35	.31	.35	.31	.34	.30												
1375	90°	0				10	.32	.28	.32	.28	.32	.28												

**LF8N 2/26DTT F802AZ CGL MVOLT**, (2) 26W DTT Lamps, 1825 rated lumens per lamp, 1.4 s/mh, Test No. LTL15077

Zone	Lumens	% Lamp
0° - 30°	847	23.2
0° - 40°	1360	37.3
0° - 60°	1704	46.7
0° - 90°	1721	47.1
90° - 180°	0	0.0
0° - 180°	1721	47.1

Efficiency: 47.1%

pf	80%		20%		50%	
	50%	30%	50%	30%	50%	30%
0	56	56	55	55	52	52
1	52	50	51	49	49	48
2	47	45	46	44	45	43
3	43	41	43	40	41	39
4	40	37	39	36	38	36
5	37	33	36	33	35	33
6	34	30	33	30	33	30
7	31	28	31	28	30	27
8	29	26	28	25	28	25
9	27	24	26	23	26	23
10	25	22	25	22	24	21

Task Height: 2.5ft.

50% beam - 10% beam  
69.5° - 93.3°

Mtg	Center	Beam	Diameter fc	fc	Diameter	fc
8	30.9	8	15	12	3	
10	16.6	10	8	16	2	
12	10.4	13	5	20	1	
14	7.1	16	4	24	1	
16	5.1	19	3	29	1	

NOTE: Energy (Calculated in accordance with NEMA Standard LE-5)

## FEATURES &amp; 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.

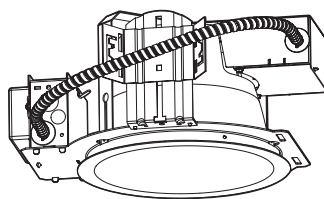
## Lamp Socket Base:

TRT 4-pin lamps – 26W (GX24Q-3); 32W (GX24Q-3); 42W (GX24Q-4)

## LISTINGS

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

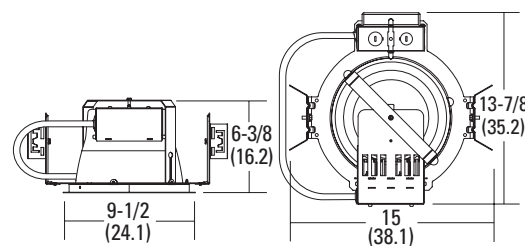
## Compact Fluorescent Downlighting



8" LF8N

## OPEN REFLECTOR

Horizontal 2-Lamp, Triple Tube (TRT)



## Specifications

Max. Height: 6-3/8 (16.2)

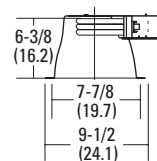
Ceiling Opening: 8-3/4 (22.2)

Overlap Trim: 9-1/2 (24.1)

Length: 15 (38.1)

Width: 13-7/8 (35.2)

All dimensions are inches (centimeters).



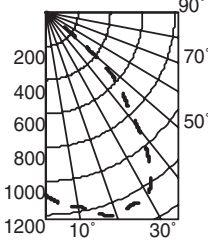
## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

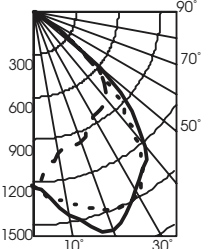
Example: LF8N 2/26-42TRT F803AZ MVOLT

LF8N						
Series	Wattage/Lamp	Reflector/Color		Lens Type		Voltage
LF8N	<b>2/26-42TRT<sup>1</sup></b>	F803	White open	(blank)	No lens	<b>MVOLT<sup>2</sup></b>
	2/26TRT	<b>F803A</b>	<b>Clear diffuse open</b>	CGL	Clear glass lens	120
	2/32TRT	<b>F803AZ</b>	<b>Clear semi-specular open</b>	T73	Tempered glass prismatic lens	277
	PCL			Clear polycarbonate lens	347 <sup>3</sup>	
	2/42TRT	F803G	Gold diffuse open			
		F803GZ	Gold semi-specular open			
		F803PR	Pewter diffuse open			
		F803WTZ	Wheat semi-specular open			
NOTES:						
1 Not available with ECOS or WLP.						
2 Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.						
3 Not available with EL or ELR.						
4 Ships standard for 1-lamp operation. For 2-lamp emergency operation, consult installation instructions or factory. Add 3" (7.6) to width and 4-1/2" (11.4) to length.						
5 Not recommended for field installation.						
6 One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply.						
7 For additional options contact sales office.						
<div>Accessories</div> <div>Order as separate catalog number</div> <div>SCA8 Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D) Ex: SCA8 10D.</div> <div>CTE8 Ceiling thickness extender is used when ceiling thickness is greater than 1-1/2 (3.8). Maximum thickness 2 (5.1).</div>						
<div>Options<sup>7</sup></div> <div>ADEZ Advance Mark 10™ electronic dimming ballast, 120V or 277V. Must be voltage specific. Minimum dimming level 5%</div> <div>ECOS Lutron EcoSystem electronic dimming ballast, 120V - 277V. Must be wattage specific. Minimum dimming level 5%</div> <div>EL <b>Emergency PSDL3 DL battery pack with integral test switch. Lens removal required before EL testing<sup>4</sup></b></div> <div>ELR <b>Emergency PSDL3 DL battery pack with remote test switch<sup>4</sup></b></div> <div>ELRHL2LP Iota I-162 Emergency battery pack with remote test switch. Operates two 26W, two 32W or two 42W CFL lamps in emergency mode with battery back-up in case of power disruption. Average output is 2600 lumens for two 26W lamps; average output is 2750 lumens for two 32W lamps; average output is 2800 lumens for 42W lamps<sup>5</sup></div> <div>GMF Single slow-blow fuse, must specify voltage</div> <div>BDP Ballast disconnect plug (meets codes that require in-fixture disconnect)<sup>3</sup></div> <div>WLP 35K lamp (shipped separately)</div> <div>TRW White flange</div> <div>RIF1 Radio Interference Filter</div> <div>NSD Sensor Switch nLight™ dimming relay<sup>6</sup></div> <div>LBH Less Barhangers</div>						

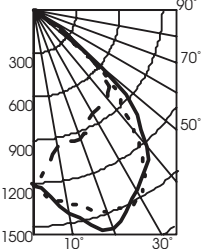
## 8" LF8N Horizontal, 2-Lamp Triple Tube (TRT), Open

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization						Illuminance Data at 30" Above Floor for a Single Luminaire						
LF8N 2/32TRT F803AZ CGL MVOLT, (2) 32W TRT Lamps, 2400 lumens per lamp, 1.6 s/mh, Test No. LTL15079															
	0°	Zone	Lumens	% Lamp	pf	20%				Task Height: 2.5ft. 50% beam - 10% beam 73.3° - 101.5°					
	0°	0° - 30°	1042	21.7	pc	80%	70%	50%							
	5°	0° - 40°	1717	35.8	pw	50%	30%	50%	30%	50%	30%				
	15°	0° - 60°	2465	51.3	0	62	62	61	61	58	58				
	25°	0° - 90°	2498	52.0	1	57	55	55	54	53	52				
	35°	90° - 180°	0	0.0	2	51	49	51	48	49	47				
	45°	0° - 180°	2498	52.0	3	47	43	46	43	45	42				
	55°	Efficiency: 52.0%				4	42	39	42	38	41	38			
	65°				5	39	35	38	35	37	34				
	75°				6	35	31	35	31	34	31				
	85°				7	32	29	32	28	31	28				
	90°				8	30	26	29	26	29	26				
				9	28	24	27	24	27	23					
				10	25	22	25	22	25	21					
Initial fc															
Mtg Center															
Ht	Beam	Diameter	fc	Diameter	fc										
8	35.7	8	18	13	4										
10	19.2	11	10	18	2										
12	12.0	14	6	23	1										
14	8.2	17	4	28	1										
16	5.9	20	3	33	1										

## LF8N 2/32TRT F803A MVOLT, (2) 32W TRT lamps, 1.6 s/mh, 4800 rated lumens, test no. LTL12058

	0°	cp	Lumens	Zone	Lumens % Lamp	pf	20%
	0°	1230	0° - 30°	1185.8	24.7	pc	80%
	5°	1267	0° - 40°	1957.6	40.8	pw	50% 30%
	15°	1421	0° - 60°	2842.3	59.2	0	71 71 70 70 66 66
	25°	1437	0° - 90°	2871.7	59.8	1	65 63 64 62 61 60
	35°	1240	90° - 180°	0	0.0	2	59 56 58 55 56 54
	45°	883	0° - 180°	2871.7	59.8	3	54 50 53 49 51 48
	55°	221	*Total Efficiency			4	49 45 48 44 47 43
	65°	19				5	44 40 44 40 43 39
	75°	5				6	41 36 40 36 39 35
	85°	1				7	37 33 37 32 36 32
	90°	0				8	34 30 34 30 33 29
						9	32 27 31 27 31 27
						10	29 25 29 25 28 25
Task Height: 2.5ft.						50% beam - 10% beam	
						73.5° - 101.9°	
Initial FC							
Mounting Center							
Height Beam Diameter FC Diameter FC							
8.0 40.7 8.2 20.3 13.5 4.1							
10.0 21.9 11.2 10.9 18.5 2.2							
12.0 13.6 14.2 6.8 23.4 1.4							
14.0 9.3 17.2 4.6 28.3 0.9							
16.0 6.7 20.2 3.4 33.3 0.7							

## LF8N 2/32TRT F803AZ MVOLT, (2) 32W TRT lamps, 1.6 s/mh, 4800 rated lumens, test no. LTL12057

	0°	cp	Lumens	Zone	Lumens % Lamp	pf	20%
	0°	1215	0° - 30°	1172.6	24.4	pc	80%
	5°	1245	0° - 40°	1940.8	40.4	pw	50% 30%
	15°	1405	0° - 60°	2801.3	58.4	0	70 70 68 68 65 65
	25°	1418	0° - 90°	2818.0	58.7	1	64 62 63 61 60 59
	35°	1232	90° - 180°	0	0.0	2	58 55 57 54 55 53
	45°	905	0° - 180°	2818.0	58.7	3	53 49 52 49 50 48
	55°	169	*Total Efficiency			4	48 44 47 44 46 43
	65°	10				5	44 40 43 39 42 39
	75°	3				6	40 36 40 35 39 35
	85°	1				7	37 32 36 32 35 32
						8	34 29 33 29 33 29
						9	31 27 31 27 30 26
Task Height: 2.5ft.						50% beam - 10% beam	
						73.8° - 101.7°	
Initial FC							
Mounting Center							
Height Beam Diameter FC Diameter FC							
8.0 40.2 8.3 20.1 13.5 4.0							
10.0 21.6 11.3 10.8 18.4 2.2							
12.0 13.5 14.3 6.7 23.3 1.3							
14.0 9.2 17.3 4.6 28.3 0.9							
16.0 6.7 20.3 3.3 33.2 0.7							

NOTE: Energy (Calculated in accordance with NEMA Standard LE-5)



## FEATURES & SPECIFICATIONS

### INTENDED USE

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where a wallwash 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. Galvanized steel junction box with removable access door, (4) romex knockouts, (2) ¾" and (4) 1/2" nominal conduit knockouts with pryout slots. Positioned to allow straight conduit runs.

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 wallwash reflectors are semi-specular or diffuse in a variety of colors. Polyester powder coat finishes are also available.

Wallwash reflector intended to direct light with a horizontal component to increase light intensity on walls, as well as provide downward light on horizontal surfaces. Kicker must face wall to be illuminated.

## 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:

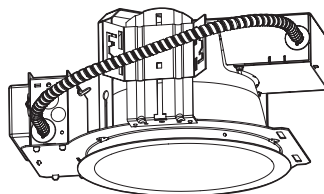
DTT 4-pin lamps – 18W (G24Q-2); 26W (G24Q-3)

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.

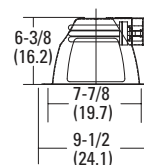
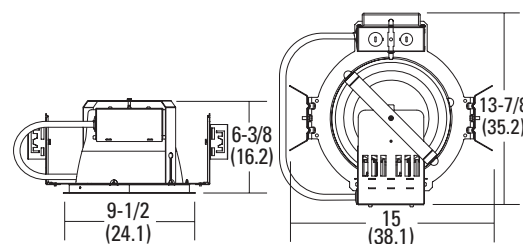
## Compact Fluorescent Downlighting



# 8" LF8N

## WALLWASH

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).

## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: LF8N 1/26-42TRT F8W4AZ MVOLT

LF8N									
Series	Wattage/Lamp	Reflector/Color		Voltage	Options <sup>8</sup>				
LF8N	1/18DTT	F8W4	White	<b>MVOLT<sup>3</sup></b>	ADEZ	Advance Mark 10™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%			
	1/26DTT	<b>F8W4A</b>	<b>Clear diffuse</b>	120	ECOS	Lutron EcoSystem electronic dimming ballast, 120V - 277V. Must be wattage specific. Minimum dimming level 5%			
	1/18TRT	<b>F8W4AZ</b>	<b>Clear semi-specular</b>	277	<b>EL</b>	<b>Emergency PSDL3 DL battery pack with integral test switch<sup>5</sup></b>			
	<b>1/26-42TRT<sup>1</sup></b>	F8W4G	Gold difuse	347 <sup>4</sup>	<b>ELR</b>	<b>Emergency PSDL3 DL battery pack with remote test switch<sup>5</sup></b>			
	1/26TRT	F8W4GZ	Gold semi-specular		ELHL	Iota I-420-R High lumen output emergency battery pack.			
	1/32TRT	F8W4PR	Pewter difuse						
	1/42TRT	F8W4WTZ	Wheat semi-specular						
	1/57TRT <sup>2</sup>								

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 contact sales office.

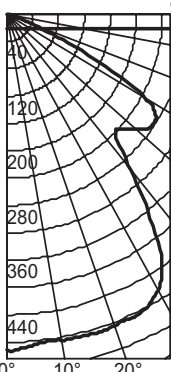
## Accessories

Order as separate catalog number

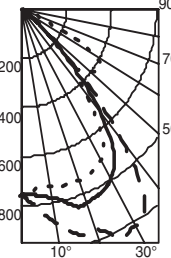
SCA8	Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D) Ex: SCA8 10D.
CTE8	Ceiling thickness extender is used when ceiling thickness is greater than 1-1/2 (3.8). Maximum thickness 2 (5.1).

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

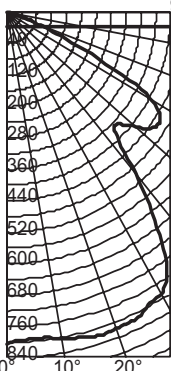
LF8N 1/26TRT F8W4AZ MVOLT, (1) 26W TRT lamp, 1.43 s/mh, 1800 rated lumens, Test no. LTL12591

Intensity Distribution	Horizontal Angle		Zonal Lumen Summary		Coefficients of Utilization					
	Vertical Angle	0	Zone	Lumens % Lamp	pf	20%		50%		RCR
						80%	70%	50%	30%	
	0°	490	0° - 30°	455.6 25.3	0	70	70	69	69	66
	120°	5	0° - 40°	751.5 41.8	1	64	62	63	61	60
	200°	15	0° - 60°	1017.8 56.5	2	58	55	57	54	55
	280°	25	0° - 90°	1065.1 59.2	3	53	49	52	48	50
	360°	35	90° - 180°	0.0 0.0	4	48	44	47	43	46
	440°	45	0° - 180°	1065.1 *59.2	5	44	39	43	39	42
		55	*Total Efficiency		6	40	35	39	35	38
		65			7	37	32	36	32	35
		75			8	34	29	33	29	33
		85			9	31	27	31	27	30
	90°	0			10	29	25	29	25	28

LF8N 1/32TRT F8W4AZ MVOLT, (1) 32W TRT lamp, .9 s/mh, 3600 rated lumens, Test no. LTL12592

Intensity Distribution	Horizontal Angle		Zonal Lumen Summary		Coefficients of Utilization						Task Height: 2.5ft.				
	Vertical Angle	0	Zone	Lumens % Lamp	pf	20%		50%		RCR	50% beam - 72.0° 10% beam - 96.1°				
						80%	70%	50%	30%		Initial FC	Mounting Center	Height	Beam Diameter	FC
	0°	755	0° - 30°	703.7 29.3	0	81	81	79	76	76	8.0	25.0	8.0	12.5	12.2
	120°	5	0° - 40°	1157.9 48.2	1	74	72	71	70	68	10.0	13.4	10.9	6.7	16.7
	200°	15	0° - 60°	1564.8 65.2	2	67	64	66	63	61	12.0	8.4	13.8	4.2	21.1
	280°	25	0° - 90°	1637.4 68.2	3	61	56	60	56	54	14.0	5.7	16.7	2.9	25.6
	360°	35	90° - 180°	0.0 0.0	4	55	50	54	50	49	16.0	4.1	19.6	2.1	30.0
	440°	45	0° - 180°	1637.4 *68.2	5	50	45	50	45	44					
		55	*Total Efficiency		6	46	41	45	41	40					
		65			7	42	37	42	37	36					
		75			8	39	34	39	34	33					
		85			9	36	31	36	31	31					
	90°	0			10	33	29	33	29	28					

LF8N 1/42TRT F8W4AZ MVOLT, (1) 42W TRT lamp, 1.45 s/mh, 3200 rated lumens, Test no. LTL12593

Intensity Distribution	Horizontal Angle		Zonal Lumen Summary		Coefficients of Utilization					
	Vertical Angle	0	Zone	Lumens % Lamp	pf	20%		50%		RCR
						80%	70%	50%	30%	
	0°	844	0° - 30°	794.2 24.8	0	72	72	70	70	67
	120°	5	0° - 40°	1321.3 41.3	1	65	64	64	62	62
	200°	15	0° - 60°	1841.0 57.5	2	59	56	58	55	56
	280°	25	0° - 90°	1934.3 60.4	3	53	50	53	49	51
	360°	35	90° - 180°	0.0 0.0	4	48	44	48	44	46
	440°	45	0° - 180°	1934.3 *60.4	5	44	40	44	39	42
		55	*Total Efficiency		6	40	36	40	35	39
		65			7	37	32	36	32	36
		75			8	34	29	34	29	33
		85			9	31	27	31	27	30
	90°	0			10	29	25	29	25	28

## FEATURES & SPECIFICATIONS

### INTENDED USE

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where a wallwash 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 wallwash reflectors are semi-specular or diffuse in a variety of colors. Polyester powder coat finishes are also available.

Wallwash reflector intended to direct light with a horizontal component to increase light intensity on walls, as well as provide downward light on horizontal surfaces. Kicker must face wall to be illuminated.

### 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.

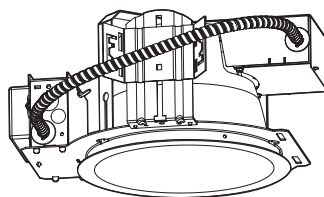
### Lamp Socket Base:

DTT 4-pin lamps – 13W (G24Q-1); 18W (G24Q-2); 26W (G24Q-3)

### LISTING

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

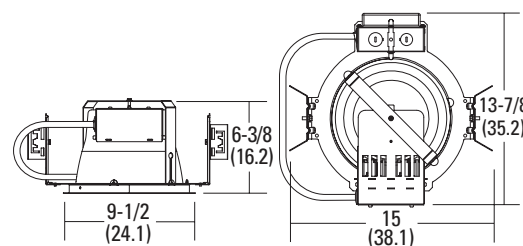
### Compact Fluorescent Downlighting



# 8" LF8N

### WALLWASH

Horizontal, 2-Lamp Double Twin-Tube (DTT)



### Specifications

Max. Height: 6-3/8 (16.2)

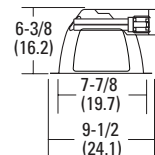
Ceiling Opening: 8-3/4 (22.2)

Overlap Trim: 9-1/2 (24.1)

Length: 15 (38.1)

Width: 13-7/8 (35.2)

All dimensions are inches (centimeters).



## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: LF8N 2/26DTT F8W1AZ MVOLT

LF8N					
Series	Wattage/Lamp	Reflector/Color		Voltage	Options <sup>7</sup>
LF8N	2/13DTT <sup>1</sup>	F8W1	White	<b>MVOLT<sup>2</sup></b> 120 277 347 <sup>3</sup>	ADEZ Advance Mark 10™ electronic dimming ballast, 120V or 277V. Must be wattage and voltage specific. Minimum dimming level 5%
	2/18DTT	<b>F8W1A</b>	<b>Clear diffuse</b>		ECOS Lutron EcoSystem electronic dimming ballast, 120V - 277V. Must be wattage specific. Minimum dimming level 5%
	<b>2/26DTT</b>	<b>F8W1AZ</b>	<b>Clear semi-specular</b>		<b>EL Emergency PSDL3 DL battery pack with integral test switch<sup>4</sup></b>
		F8W1G	Gold diffuse		<b>ELR Emergency PSDL3 DL battery pack with remote test switch<sup>4</sup></b>
		F8W1GZ	Gold semi-specular		ELRHL2LP Iota I-162 Emergency battery pack with remote test switch. Operates two 26W CFL lamps in emergency mode with battery back-up in case of power disruption. Average lumen output is 2600 <sup>5</sup>
		F8W1PR	Pewter diffuse		GMF Single slow-blow fuse, must specify voltage
		F8W1WTZ	Wheat semi-specular		BDP Ballast disconnect plug (meets codes that require in-fixture disconnect) <sup>3</sup>

### NOTES:

- Not available with ADEZ or ECOS.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- Ships standard for 1-lamp operation. For 2-lamp emergency operation, consult installation instructions or factory. Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.
- One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply.
- For additional options contact sales office.

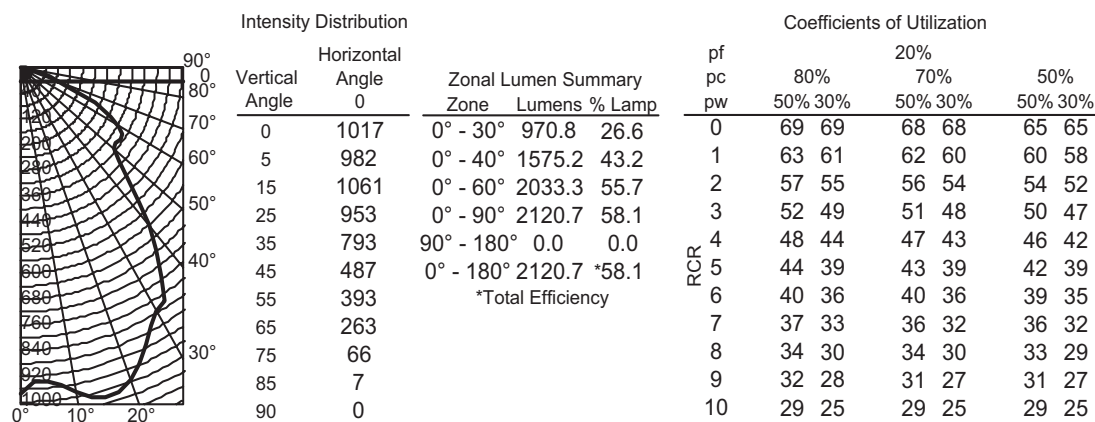
### Accessories

- 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).

- WLP 35K lamp (shipped separately)
- TRW White flange
- RIF1 Radio Interference Filter
- NSD Sensor Switch nLight™ dimming relay<sup>6</sup>
- LBH Less Barhangers

## 8" LF8N Horizontal, 2-Lamp Double Twin-Tube (DTT), Wallwash

LF8N 2/26DTT F8W1AZ MVOLT, (2) 26W DTT lamps, 1.45 s/mh, 1825 rated lumens, Test no. LTL11469



## FEATURES & SPECIFICATIONS

### INTENDED USE

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where a wallwash 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 wallwash reflectors are semi-specular or diffuse in a variety of colors. Polyester powder coat finishes are also available.

Wallwash reflector intended to direct light with a horizontal component to increase light intensity on walls, as well as provide downward light on horizontal surfaces. Kicker must face wall to be illuminated.

### 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.

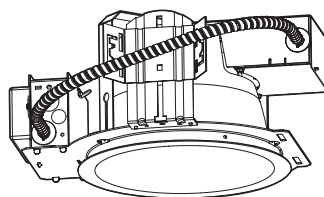
### Lamp Socket Base:

TRT 4-pin lamps – 26W (GX24Q-3); 32W (GX24Q-3); 42W (GX24Q-4)

### LISTING

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

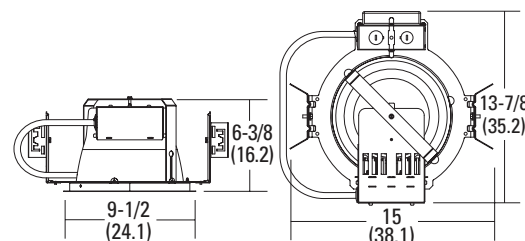
### Compact Fluorescent Downlighting



# 8" LF8N

### WALLWASH

Horizontal 2-Lamp, Triple Tube (TRT)



### Specifications

Max. Height: 6-3/8 (16.2)

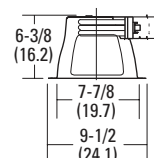
Ceiling Opening: 8-3/4 (22.2)

Overlap Trim: 9-1/2 (24.1)

Length: 15 (38.1)

Width: 13-7/8 (35.2)

All dimensions are inches (centimeters).



## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: LF8N 2/26-42TRT F8W3AZ MVOLT

LF8N					
Series	Wattage/Lamp	Reflector/Color		Voltage	Options <sup>7</sup>
LF8N	<b>2/26-42TRT<sup>1</sup></b>	F8W3	White	<b>MVOLT<sup>2</sup></b>	ADEZ Advance Mark 10™ electronic dimming ballast, 120V or 277V. Must be wattage and voltage specific. Minimum dimming level 5%
	2/26TRT	<b>F8W3A</b>	<b>Clear diffuse</b>	120	ECOS Lutron EcoSystem electronic dimming ballast, 120V - 277V. Must be wattage specific. Minimum dimming level 5%
	2/32TRT	<b>F8W3AZ</b>	<b>Clear semi-specular</b>	277	<b>EL Emergency PSDL3 DL battery pack with integral test switch<sup>4</sup></b>
	2/42TRT	F8W3G	Gold diffuse	347 <sup>3</sup>	<b>ELR Emergency PSDL3 DL battery pack with remote test switch<sup>4</sup></b>
		F8W3GZ	Gold semi-specular		ELRHL2LP Iota I-162 Emergency battery pack with remote test switch. Operates two 26W, two 32W or two 42W CFL lamps in emergency mode with battery back-up in case of power disruption. Average output is 2600 lumens for two 26W lamps; average output is 2750 lumens for two 32W lamps; average output is 2800 lumens for 42W lamps <sup>5</sup>
		F8W3PR	Pewter diffuse		GMF Single slow-blow fuse, must specify voltage
		F8W3WTZ	Wheat semi-specular		BDP Ballast disconnect plug (meets codes that require in-fixture disconnect) <sup>3</sup>

### NOTES:

- Not available with ECOS or WLP.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- Ships standard for 1-lamp operation. For 2-lamp emergency operation, consult installation instructions or factory. Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.
- One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply.
- For additional options contact sales office.

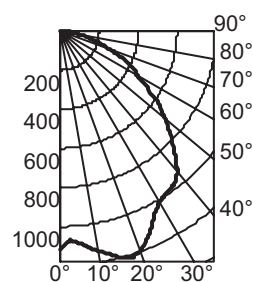
### Accessories

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).



## 8" LF8N Horizontal, 2-Lamp Triple Tube (TRT), Wallwash

LF8N 2/32TRT F8W3AZ MVOLT, (2) 32W TRT lamps, 1.39 s/mh, 4800 rated lumens, Test no. LTL12044

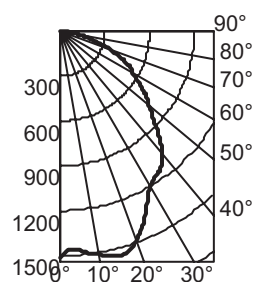


Intensity Distribution	
Horizontal Angle	
Vertical Angle	0°
0°	1117
5°	1087
15°	1196
25°	1107
35°	985
45°	818
55°	590
65°	380
75°	181
85°	41
90°	0

Zonal Lumen Summary		
Zone	Lumens	% Lamp
0° - 30°	1059.6	22.1
0° - 40°	1739.9	36.2
0° - 60°	2577.7	53.7
0° - 90°	2749.5	57.3
90° - 180°	0.0	0.0
0° - 180°	2749.5	*57.3
*Total Efficiency		

Coefficients of Utilization							
RCR	pf	20%					
	pc	80%		70%		50%	
	pw	50%	30%	50%	30%	50%	30%
	0	68	68	67	67	64	64
	1	62	60	60	59	58	57
	2	55	52	54	52	52	50
	3	50	46	49	46	48	45
	4	45	41	45	41	43	40
	5	41	37	40	36	39	36
	6	37	33	37	33	36	32
	7	34	30	34	30	33	29
	8	31	27	31	27	30	27
	9	29	25	29	25	28	24
	10	27	23	27	23	26	22

LF8N 2/42TRT F8W3AZ MVOLT, (2) 42W TRT lamps, 1.36 s/mh, 6400 rated lumens, Test no. LTL12048



Intensity Distribution	
Horizontal Angle	
Vertical Angle	0°
0°	1512
5°	1471
15°	1551
25°	1352
35°	1149
45°	912
55°	675
65°	480
75°	234
85°	48
90°	0

Zonal Lumen Summary		
Zone	Lumens	% Lamp
0° - 30°	1410.5	22.0
0° - 40°	2301.2	36.0
0° - 60°	3374.8	52.7
0° - 90°	3597.2	56.2
90° - 180°	0.0	0.0
0° - 180°	3597.2	*56.2
*Total Efficiency		

Coefficients of Utilization							
RCR	pf	20%					
	pc	80%		70%		50%	
	pw	50%	30%	50%	30%	50%	30%
	0	67	67	65	65	62	62
	1	61	59	59	58	57	56
	2	55	51	53	51	52	49
	3	49	45	48	45	47	44
	4	44	40	44	40	42	39
	5	40	36	40	36	39	35
	6	37	32	36	32	35	32
	7	34	29	33	29	33	29
	8	31	27	31	27	30	26
	9	29	24	28	24	28	24
	10	26	22	26	22	26	22

## FEATURES &amp; SPECIFICATIONS

## INTENDED USE

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where a wet location lensed fixture is required. Ideal for shower and outdoor applications.

## 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 clear semi-specular upper reflectors are optically designed to maximize lumen output and to provide superior glare control.

Glass lenses are available in clear flat, tempered prismatic or fresnel glass lens to provide optimal visual comfort and improved aesthetics.

## 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:

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

## LISTING

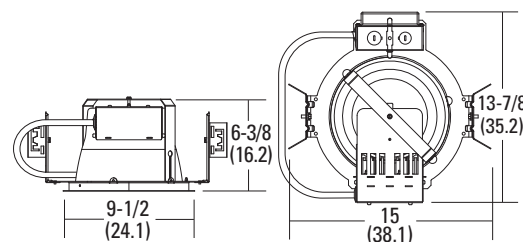
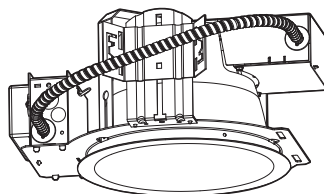
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting, wet location, and to U.S. and Canadian Safety Standards.

## Compact Fluorescent Downlighting

8" LF8N

## WET LENS

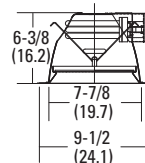
Horizontal 1-Lamp, Triple Tube (TRT)



## 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).



## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: LF8N 1/26-42TRT F8LS4 MVOLT

LF8N					
Series	Wattage/Lamp	Reflector/color <sup>3</sup>	Voltage	Options	
LF8N	<b>1/26-42TRT<sup>1</sup></b>	F8LS1 White splay, flat clear lens	<b>MVOLT<sup>4</sup></b> 120 277 347 <sup>5</sup>	ADEZ	Advance Mark 10™ electronic dimming ballast, 120V or 277V. Must be voltage specific. Minimum dimming level 5%
	1/26TRT	F8LSB1 Black baffle, flat clear lens		DMHL	Lutron Compact SE™ electronic dimming ballast, 120V or 277V. Must be wattage and voltage specific. Minimum dimming level 5%
	1/32TRT	<b>F8LS4 White splay, fresnel lens</b>		<b>EL</b>	<b>Emergency PSDL3 DL battery pack with integral test switch. Lens removal required before EL testing<sup>6</sup></b>
	1/42TRT	<b>F8LSB4 Black baffle, fresnel lens</b>		<b>ELR</b>	<b>Emergency PSDL3 DL battery pack with remote test switch<sup>6</sup></b>
	1/57TRT <sup>2</sup>	F8LS73 White splay, tempered prismatic lens		ELHL	Iota I-420-R High lumen output emergency battery pack. Internal test switch provided. Maximum average lumen output is 1300 (42W) <sup>7</sup>
		F8LSB73 Black baffle, tempered prismatic lens		ELRHL	Iota I-420-EM-B High lumen output emergency battery pack. Remote test switch provided. Maximum average lumen output is 1300 (42W) <sup>7</sup>
				GMF	Single slow-blow fuse, must specify voltage
				BDP	Ballast disconnect plug (meets codes that require in-fixture disconnect)
				RIF1	Radio interference filter
				LBH	Less barhangers
				WLP	35K lamp (shipped separately)

## NOTES:

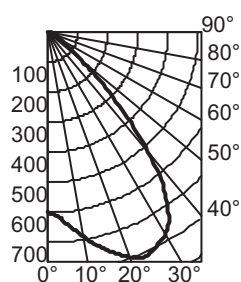
- Not available with DMHL or WLP.
- Not available with 347V, DMHL, EL or ELR.
- White painted flange standard.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.

## 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).

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

LF8N 1/32TRT MVOLT F8LS4, (1) 32TRT lamp, 1.51 s/mh, 2400 rated lumens, test no. LTL18231



Intensity Distribution  
Horizontal Angle

Vertical Angle	0°
0°	600
5°	632
15°	747
25°	808
35°	693
45°	306
55°	80
65°	32
75°	18
85°	1
90°	0

Zonal Lumen Summary

Zone	Lumens	% Lamp
0° - 30°	617.4	25.7
0° - 40°	1025.1	42.7
0° - 60°	1347.6	56.2
0° - 90°	1399.4	58.3
90° - 180°	0.0	0.0
0° - 180°	1399.4	*58.3

\*Total Efficiency

Coefficients of Utilization

ROR	pf	20%					
		80%		70%		50%	
		50%	30%	50%	30%	50%	30%
0	pc	69	69	68	68	65	65
1	pw	63	62	62	60	60	58
2		57	55	56	54	55	52
3		52	49	51	48	50	47
4		48	44	47	43	46	42
5		44	39	43	39	42	38
6		40	36	39	35	38	35
7		37	32	36	32	35	32
8		34	30	33	29	33	29
9		31	27	31	27	30	27
10		29	25	29	25	28	25

## FEATURES &amp; SPECIFICATIONS

## INTENDED USE

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where a wet location lensed fixture is required. Ideal for shower and outdoor applications.

## 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 clear semi-specular upper reflectors are optically designed to maximize lumen output and to provide superior glare control.

Glass lenses are available in clear flat, tempered prismatic or fresnel glass lens to provide optimal visual comfort and improved aesthetics.

## 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.

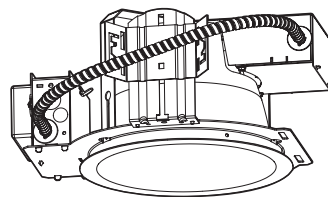
## Lamp Socket Base:

DTT 4-pin lamps – 13W (G24Q-1); 18W (G24Q-2); 26W (G24Q-3)

## LISTING

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

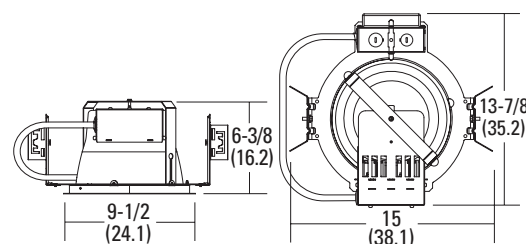
## Compact Fluorescent Downlighting



8" LF8N

## WET LENS

Horizontal, 2-Lamp Double Twin-Tube (DTT)



## 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).

## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: LF8N 2/26DTT F8L4 MVOLT

LF8N						
Series	Wattage/Lamp	Reflector/color <sup>2</sup>		Voltage	Options <sup>8</sup>	
LF8N	2/13DTT <sup>1</sup>	F8LF1	White splay, clear 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 wattage and voltage specific. Minimum dimming level 5%
	2/18DTT	F8LFB1	Black baffle, clear lens		ECOS	Lutron EcoSystem electronic dimming ballast, 120V - 277V. Must be wattage specific. Minimum dimming level 5%
	<b>2/26DTT</b>	<b>F8L4</b>	<b>White splay, fresnel lens</b>		<b>EL</b>	<b>Emergency PSDL3 DL battery pack with integral test switch. Lens re-</b>
		<b>F8LB4</b>	<b>Black baffle, fresnel lens</b>			
		F8LF73	White splay, tempered prismatic lens			
		F8LBF73	Black baffle, tempered prismatic lens			

## NOTES:

- Not available with ADEZ and ECOS.
- White painted flange standard.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- Ships standard for 1-lamp operation. For 2-lamp emergency operation, consult installation instructions or factory. Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.
- One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply.
- For additional options contact sales office.

## 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).

## 8" LF8N Horizontal, 2-Lamp Double Twin-Tube (DTT), Wet Lens

Distribution Curve	Distribution Data		Output Data		Coefficient of Utilization				Illuminance Data at 30" Above Floor for a Single Luminaire					
LF8N 2/26DTT F8LB4 MVOLT, (2) 26W DTT lamps, 1.0 s/mh, 3650 rated lumens, test no. LTL11212														
	cp	Lumens				pf	20%				Task Height: 2.5ft.			
						pc	80%	70%	50%					
						pw	50%	30%	50%	30%	50%	30%		
			Zone	Lumens	% Lamp	0	35	35	34	34	32	32		
						1	32	31	31	30	30	29		
						2	29	27	28	27	27	26		
						3	26	25	26	24	25	24		
						4	24	22	24	22	23	22		
						5	22	20	22	20	21	20		
						6	21	19	20	18	20	18		
						7	19	17	19	17	19	17		
						8	18	16	18	16	17	16		
					9	17	15	17	15	16	14			
					10	16	14	15	14	15	14			

Task Height: 2.5ft.

Initial FC		50% beam - 52.8°		10% beam - 84.1°	
Mounting Height	Center Beam Diameter	FC	Diameter	FC	Diameter
8.0	27.3	5.5	13.7	9.9	2.7
10.0	14.7	7.4	7.4	13.5	1.5
12.0	9.2	9.4	4.6	17.1	0.9
14.0	6.3	11.4	3.1	20.8	0.6
16.0	4.5	13.4	2.3	24.4	0.5



## FEATURES & SPECIFICATIONS

### INTENDED USE

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where a wet location lensed fixture is required. Ideal for shower and outdoor applications.

### 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, 1/2" 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) 3/4" and (4) 1/2" conduit knockouts with pryout slots and removable access doors.

Maximum 1-1/2" ceiling thickness.

### OPTICS

Aluminum clear semi-specular upper reflectors are optically designed to maximize lumen output and to provide superior glare control.

Glass lenses are available in clear flat, tempered prismatic or fresnel glass lens to provide optimal visual comfort and improved aesthetics.

### 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:

TRT 4-pin lamps – 26W (GX24Q-3); 32W (GX24Q-3); 42W (GX24Q-4)

### LISTINGS

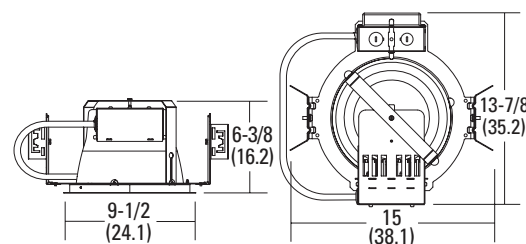
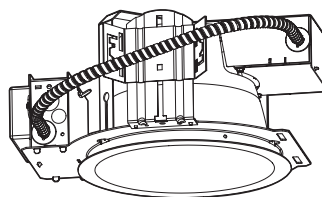
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting, wet location, and to U.S. and Canadian Safety Standards.

### Compact Fluorescent Downlighting

# 8" LF8N

### WET LENS

Horizontal 2-Lamp, Triple Tube (TRT)



### Specifications

Max. Height: 6-3/8 (16.2)

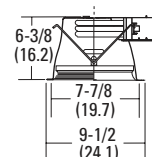
Ceiling Opening: 8-3/4 (22.2)

Overlap Trim: 9-1/2 (24.1)

Length: 15 (38.1)

Width: 13-7/8 (35.2)

All dimensions are inches (centimeters).



## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: LF8N 2/26-42TRT F8LT4 MVOLT

LF8N					
Series	Wattage/Lamp	Reflector/color <sup>2</sup>		Voltage	Options <sup>8</sup>
<b>LF8N</b>	<b>2/26-42TRT<sup>1</sup></b>	F8LT1	White splay, clear lens	<b>MVOLT<sup>3</sup></b>	ADEZ Advance Mark 10™ electronic dimming ballast, 120V or 277V. Must be wattage and voltage specific. Minimum dimming level 5%
	2/26TRT	F8LTB1	Black baffle, clear lens		ECOS Lutron EcoSystem electronic dimming ballast, 120V - 277V. Must be wattage specific. Minimum dimming level 5%
	2/32TRT	<b>F8LT4</b>	<b>White splay, fresnel lens</b>		<b>EL Emergency PSDL3 DL battery pack with integral test switch. Lens removal required before EL testing<sup>5</sup></b>
	2/42TRT	<b>F8LTB4</b>	<b>Black baffle, fresnel lens</b>		<b>ELR Emergency PSDL3 DL battery pack with remote test switch<sup>5</sup></b>
		F8LT73	White splay, tempered prismatic lens		ELRHL2LP Iota I-162 Emergency battery pack with remote test switch. Operates two 26W, two 32W or two 42W CFL lamps in emergency mode with battery back-up in case of power disruption. Average output is 2600 lumens for two 26W lamps; average output is 2750 lumens for two 32W lamps; average output is 2800 lumens for 42W lamps <sup>6</sup>
		F8LTB73	Black baffle, tempered prismatic lens		GMF Single slow-blow fuse, must specify voltage

### NOTES:

- Not available with ECOS or WLP.
- White painted flange standard.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- Ships standard for 1-lamp operation. For 2-lamp emergency operation, consult installation instructions or factory. Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.
- One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply.
- For additional options contact sales office.

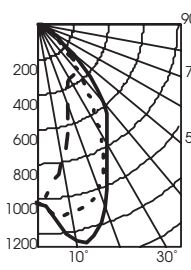
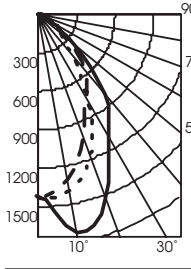
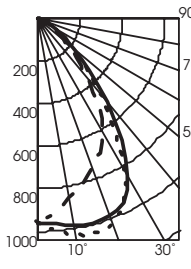
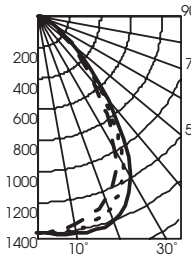
### Accessories

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). |

- |      |   |
|------|---|
| BDP  | Ballast disconnect plug (meets codes that require in-fixture disconnect) <sup>4</sup> |
| WLP  | 35K lamp (shipped separately)   |
| RIF1 | Radio Interference Filter   |
| NSD  | Sensor Switch nLight™ dimming relay <sup>7</sup>                                      |
| LBH  | Less Barhangers   |

## 8" LF8N Horizontal, 2-Lamp Triple Tube (TRT), Wet Lens

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire											
LF8N 2/32TRT F8LTB4 MVOLT, (2) 32W TRT lamps, 1.15 s/mh, 4800 rated lumens, test no. LTL12046															
	cp	Lumens	Zone	Lumens % Lamp	pf	20%									
					pc	80%	70%		50%						
					pw	50%	30%	50%	30%	50%	30%				
	0	1026		0° - 30°	790.5	16.5	0	41	41	40	38	38			
	5	1063	104	0° - 40°	1155.6	24.1	1	37	36	36	36	35	34		
	15	1091	303	0° - 60°	1554.0	32.4	2	34	32	33	32	32	31		
	25	837	384	0° - 90°	1649.4	34.4	3	31	29	30	28	29	28		
	35	586	365	0° - 90°	1649.4	34.4	4	28	26	28	25	27	25		
	45	339	263				5	26	23	25	23	25	23		
	55	148	136	90° - 180°	0.0	0.0	6	24	21	23	21	23	21		
	65	63	64	0° - 180°	1649.4	*34.4	7	22	19	22	19	21	19		
	75	28	29	*Total Efficiency				8	20	18	20	18	20	17	
	85	0	2					9	19	16	19	16	18	16	
	90	0						10	18	15	17	15	17	15	
Task Height: 2.5ft.										Initial FC		50% beam -		10% beam -	
Mounting		Center		56.1"		92.4"									
Height	Beam	Diameter	FC	Diameter	FC										
8.0	33.9	5.9	17.0	11.5	3.4										
10.0	18.2	8.0	9.1	15.7	1.8										
12.0	11.4	10.1	5.7	19.8	1.1										
14.0	7.8	12.3	3.9	24.0	0.8										
16.0	5.6	14.4	2.8	28.2	0.6										
LF8N 2/42TRT F8LTB4 MVOLT, (2) 42W TRT lamps, 1.16 s/mh, 6400 rated lumens, test no. LTL12050															
	cp	Lumens	Zone	Lumens % Lamp	pf	20%									
					pc	80%	70%		50%						
					pw	50%	30%	50%	30%	50%	30%				
	0	1423		0° - 30°	1139.6	17.8	0	44	44	43	43	41	41		
	5	1477	144	0° - 40°	1675.1	26.2	1	40	39	39	38	38	37		
	15	1551	431	0° - 60°	2239.1	35.0	2	36	35	36	34	35	33		
	25	1232	564	0° - 90°	2372.5	37.1	3	33	31	33	30	32	30		
	35	860	536				4	30	28	30	27	29	27		
	45	484	375	90° - 180°	0.0	0.0	5	28	25	27	25	27	24		
	55	205	189	0° - 180°	2372.5	*37.1	6	26	23	25	23	25	22		
	65	88	89				7	24	21	23	21	23	20		
	75	40	41	*Total Efficiency				8	22	19	22	19	21	19	
	85	0	3					9	20	18	20	18	20	17	
	90	0						10	19	16	19	16	18	16	
Task Height: 2.5ft.										Initial FC		50% beam -		10% beam -	
Mounting		Center		58.3"		92.8"									
Height	Beam	Diameter	FC	Diameter	FC										
8.0	47.0	6.1	23.5	11.5	4.7										
10.0	25.3	8.4	12.6	15.7	2.5										
12.0	15.8	10.6	7.9	19.9	1.6										
14.0	10.8	12.8	5.4	24.1	1.1										
16.0	7.8	15.1	3.9	28.3	0.8										
LF8N 2/32TRT F8LTB73 MVOLT, (2) 32W TRT lamps, 1.26 s/mh, 4800 rated lumens, test no. LTL12047															
	cp	Lumens	Zone	Lumens % Lamp	pf	20%									
					pc	80%	70%		50%						
					pw	50%	30%	50%	30%	50%	30%				
	0	958		0° - 30°	764.6	15.9	0	40	40	39	39	37	37		
	5	963	92	0° - 40°	1151.0	24.0	1	36	35	36	35	34	34		
	15	958	270	0° - 60°	1525.6	31.8	2	33	31	32	31	31	30		
	25	884	402	0° - 90°	1608.8	33.5	3	30	28	30	28	29	27		
	35	625	386				4	27	25	27	25	26	24		
	45	313	246	90° - 180°	0.0	0.0	5	25	23	25	22	24	22		
	55	141	129	0° - 180°	1608.8	*33.5	6	23	21	23	20	22	20		
	65	59	60				7	21	19	21	19	21	18		
	75	21	22	*Total Efficiency				8	20	17	19	17	19	17	
	85	0	1					9	18	16	18	16	18	16	
	90	0						10	17	15	17	15	17	15	
Task Height: 2.5ft.										Initial FC		50% beam -		10% beam -	
Mounting		Center		61.6"		92.3"									
Height	Beam	Diameter	FC	Diameter	FC										
8.0	31.7	6.6	15.8	11.4	3.2										
10.0	17.0	8.9	8.5	15.6	1.7										
12.0	10.6	11.3	5.3	19.8	1.1										
14.0	7.2	13.7	3.6	23.9	0.7										
16.0	5.3	16.1	2.6	28.1	0.5										
LF8N 2/42TRT F8LTB73 MVOLT, (2) 42W TRT lamps, 1.22 s/mh, 6400 rated lumens, test no. LTL12051															
	cp	Lumens	Zone	Lumens % Lamp	pf	20%									
					pc	80%	70%		50%						
					pw	50%	30%	50%	30%	50%	30%				
	0	1396		0° - 30°	1101.7	17.2	0	43	43	42	42	40	40		
	5	1400	134	0° - 40°	1650.3	25.8	1	39	38	38	37	37	36		
	15	1386	391	0° - 60°	2177.2	34.0	2	35	34	35	33	33	32		
	25	1269	577	0° - 90°	2294.5	35.9	3	32	30	32	30	31	29		
	35	887	549				4	29	27	29	27	28	26		
	45	441	346	90° - 180°	0.0	0.0	5	27	24	26	24	26	24		
	55	197	181	0° - 180°	2294.5	*35.9	6	25	22	24	22	24	22		
	65	83	85				7	23	20	23	20	22	20		
	75	30	31	*Total Efficiency				8	21	19	21	18	20	18	
	85	0	1					9	20	17	19	17	19	17	
	90	0						10	18	16	18	16	18	16	
Task Height: 2.5ft.										Initial FC		50% beam -		10% beam -	
Mounting		Center		61.0"		91.8"									
Height	Beam	Diameter	FC	Diameter	FC										
8.0	46.1	6.5	23.1	11.3	4.6										
10.0	24.8	8.8	12.4	15.5	2.5										
12.0	15.5	11.2	7.7	19.6	1.5										
14.0	10.6	13.5	5.3	23.7	1.1										
16.0	7.7	15.9	3.8	27.8	0.8										

### Energy (Calculated in accordance with NEMA standard LE-5.)

Fixture/ Reflector	LER	Annual* Energy Cost	Lamps	Lamp Lumens	Ballast Factor	Input Watts
LF8N TRT/F8LTB73	23.54	\$10.20	(2) 26W TRT	3600	1.0	52
LF8N TRT/F8LTB73	23.29	\$10.30	(2) 32W TRT	4800	.98	68
LF8N TRT/F8LTB73	24.77	\$9.69	(2) 42W TRT	6400	.97	93
LF8N TRT/F8LTB4	24.23	\$9.90	(2) 26W TRT	3600	1.0	52
LF8N TRT/F8LTB4	24.00	\$10.00	(2) 32W TRT	4800	.98	68
LF8N TRT/F8LTB4	25.46	\$9.43	(2) 42W TRT	6400	.97	93

\*Comparative yearly lighting energy cost per 1000 lumens