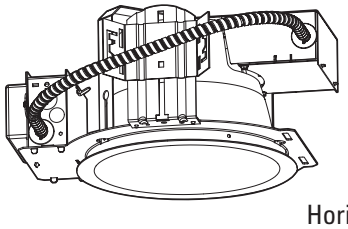
LITHONIA LIGHTING®

Catalog Number	
Notes	Type

FEATURES & SPECIFICATIONS

Compact Fluorescent Downlighting



6" LF6N

OPEN REFLECTOR

Horizontal 1-Lamp, Triple Tube (TRT)

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. 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 1-1/2 (3.8) 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.

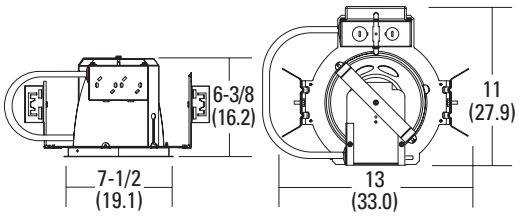
Lamp Socket Base:

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)

LISTING

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



Specifications

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

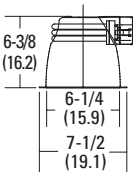
Ceiling opening: 7 (17.8)

Overlap trim: 7-1/2 (19.1)

Length: 13 (33.0)

Width: 11 (27.9)

All dimensions are inches (centimeters).



ORDERING INFORMATION

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

Example: LF6N 1/26-42TRT F601AZ MVOLT

LF6N

Series	Wattage/lamp	Reflector/color	Lens type	Voltage	Options[7]
LF6N	1/18DTT	F601 White open	(blank) No lens	**MVOLT[2]**	ADEZ Advance Mark 10™ electronic dimming ballast, 120V or 277V. Must be voltage specific. Minimum dimming level 5%
	1/26DTT	**F601A Clear diffuse open**	CGL Clear glass lens	120	ECOS Lutron EcoSystem electronic dimming ballast, 120V - 277V. Must be wattage specific. Minimum dimming level 5%
	1/18TRT	**F601AZ Clear semi-specular open**	T73 Tempered glass prismatic lens	277	**EL Emergency PSDL3 DL battery pack with integral test switch. Lens removal required before EL testing[4]**
	1/26-42TRT[1]	F601G Gold diffuse open	PCL Clear polycarbonate lens	347[3]	**ELR Emergency PSDL3 DL battery pack with remote test switch[4]**
	1/26TRT	F601GZ Gold semi-specular open			ELHL Iota I-420-R High lumen output emergency battery pack. Internal test switch provided. Maximum average lumen output is 1300 (42W)[5]
	1/32TRT	F601PR Pewter diffuse open			ELRHL Iota I-420-EM-B High lumen output emergency battery pack. Remote test switch provided. Maximum average lumen output is 1300 (42W)[5]
	1/42TRT	F601WTZ Wheat semi-specular open			GMF Single slow-blow fuse, must specify voltage
					BDP Ballast disconnect plug (meets codes that require in-fixture disconnect)[3]
					RIF1 Radio interference filter
					LBH Less barhangers
					WLP 35K lamp (shipped separately)
					NSD Sensor Switch nLight™ dimming relay[6]
					TRW White flange

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 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 see lithonia.com.

Accessories

Order as separate catalog number

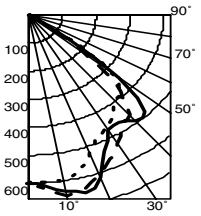
SCA6 Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D) Ex: SCA6 **10D**.

CTE6 Ceiling thickness extender is used when ceiling thickness is greater than 1-1/2 (3.8). Maximum thickness 2 (5.1).

6" **LF6N** 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**

LF6N 1/32TRT F6O1AZ MVOLT, (1) Philips PL-C 32W/27SH lamp, 1.2 s/mh, 2400 rated lumens, Test no. LTL12515



	cp	Lumens
0	598	
5	612	59
15	639	178
25	533	247
35	471	296
45	444	330
55	137	135
65	11	12
75	3	3
85	1	1
90	0	

Zone	Lumens	% Lamp
0° - 30°	483.7	20.2
0° - 40°	780.1	32.5
0° - 60°	1245.0	51.9
0° - 90°	1261.5	52.6
90° - 180°	0.0	0.0
0° - 180°	1261.5	*52.6

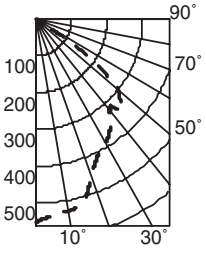
*Total Efficiency

pf			20%			
pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
0	63	63	61	61	58	58
1	57	55	56	54	54	53
2	52	49	51	48	49	47
3	47	43	46	43	44	42
4	42	38	42	38	40	37
5	38	34	38	34	37	33
6	35	31	34	31	34	30
7	32	28	32	28	31	27
8	29	25	29	25	28	25
9	27	23	27	23	26	23
10	25	21	25	21	24	21

Task Height: 2.5ft.

Mounting Height	Inital FC Center Beam	50% beam - 62.9° Diameter	FC	10% beam - 104.1° Diameter	FC
8.0	19.8	6.7	9.9	14.1	2.0
10.0	10.6	9.2	5.3	19.2	1.1
12.0	6.6	11.6	3.3	24.3	0.7
14.0	4.5	14.1	2.3	29.5	0.5
16.0	3.3	16.5	1.6	34.6	0.3

LF6N 1/32TRT F6O1AZ CGL MVOLT, (1) 32W TRT Lamp, 2400 rated lumens per lamp, 1.1 s/mh, Test No. LTL15102



	0°
0°	551
5°	532
15°	513
25°	410
35°	365
45°	334
55°	189
65°	10
75°	3
85°	1
90°	0

Zone	Lumens	% Lamp
0° - 30°	427	17.8
0° - 40°	682	28.4
0° - 60°	1106	46.1
0° - 90°	1119	46.6
90° - 180°	0	0.0
0° - 180°	1119	46.6

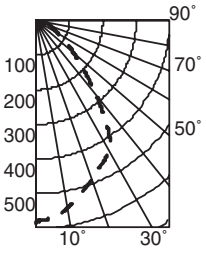
Efficiency: 46.6%

pf			20%			
pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
0	56	56	54	54	52	52
1	51	49	50	48	48	47
2	46	43	45	43	43	42
3	41	38	41	38	39	37
4	37	34	37	34	36	33
5	34	30	33	30	33	30
6	31	27	30	27	30	27
7	28	25	28	24	27	24
8	26	22	26	22	25	22
9	24	20	24	20	23	20
10	22	19	22	19	21	18

Task Height: 2.5ft.

Mtg Ht	Inital fc Center Beam	50% beam - 59.8° Diameter	fc	10% beam - 104.6° Diameter	fc
8	18.2	6	9	14	2
10	9.8	9	5	19	1
12	6.1	11	3	25	1
14	4.2	13	2	30	0
16	3.0	16	2	35	0

LF6N 1/32TRT F6O1AZ T73 MVOLT, (1) 32W TRT Lamp, 2400 rated lumens per lamp, 1.2 s/mh, Test No. LTL15103



	0°
0°	585
5°	570
15°	519
25°	460
35°	372
45°	204
55°	107
65°	57
75°	32
85°	1
90°	0

Zone	Lumens	% Lamp
0° - 30°	436	18.1
0° - 40°	674	28.1
0° - 60°	926	38.6
0° - 90°	1007	41.9
90° - 180°	0	0.0
0° - 180°	1007	41.9

Efficiency: 41.9%

pf			20%			
pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
0	50	50	49	49	47	47
1	45	44	44	43	43	42
2	41	38	40	38	39	37
3	37	34	36	34	35	33
4	33	30	33	30	32	29
5	30	27	30	27	29	27
6	28	25	28	24	27	24
7	26	22	25	22	25	22
8	24	21	23	20	23	20
9	22	19	22	19	21	19
10	20	17	20	17	20	17

Task Height: 2.5ft.

Mtg Ht	Inital fc Center Beam	50% beam - 61.3° Diameter	fc	10% beam - 93.3° Diameter	fc
8	19.3	7	10	12	2
10	10.4	9	5	16	1
12	6.5	11	3	20	1
14	4.4	14	2	24	0
16	3.2	16	2	29	0

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

LITHONIA LIGHTING®
An AcuityBrands Company

Sheet #: LF6N-OPEN-1-TRT

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