

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 — Utilizes an extruded socket housing that attaches to the reflector via key hole mount, which provides superior heat dissipation and extended lamp life. Socket housing also adjusts to accommodate varying lamp lengths.

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 are 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.

Reflector clips packed with reflector for installation on rough-in.

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 7/8 (2.2) 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)

TRT 4-pin lamps — 13W (GX24Q-1); 18W (GX24Q-2); 26W & 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.

WARRANTY — 1-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

Catalog Number
Notes
Type

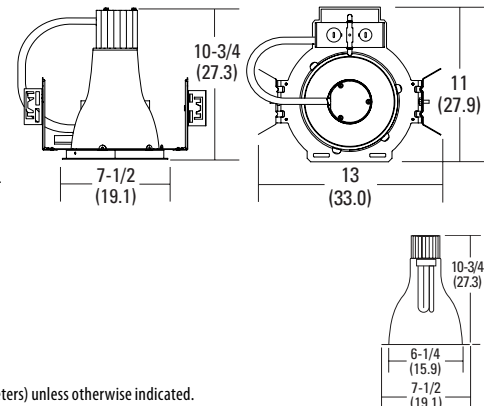


Compact Fluorescent Downlighting

6" LP6FN

OPEN REFLECTOR

Vertical 1-Lamp, Double Twin-Tube (DTT) or Triple-Tube (TRT)



Specifications

Max. height: 10-3/4 (27.3)

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) unless otherwise indicated.

ORDERING INFORMATION

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

Example: LP6FN 26-42TRT 609A MVOLT

LP6FN					
Series	Wattage/Lamp	Reflector/Color	Lens type	Voltage	Options ⁵
LP6FN	13DTT ¹	609 White open	(blank) No lens	MVOLT³	ADEZ Advance Mark 10™ electronic dimming ballast, 120V or 277V. Must be voltage specific. Minimum dimming level 5%
	18DTT	609A Clear diffuse open	CGL Clear glass lens	120	ADZT Advance Mark 7® electronic dimming ballast. Minimum dimming level 5%
	26DTT	609AZ Clear semi-specular open	PCL Clear polycarbonate lens	277	ECOS Lutron EcoSystem electronic dimming ballast, 120V - 277V. Must be wattage specific. Minimum dimming level 5%
	13TRT ¹	609G Gold diffuse open		347 ⁴	EL Emergency PSDL3 DL battery pack with integral test switch. Lens removal required before EL testing ⁶
	18TRT	609GZ Gold semi-specular open			ELR Emergency PSDL3 DL battery pack with remote test switch ⁶
	26-42TRT²	609PR Pewter diffuse open			ELHL Iota I-420-R High lumen output emergency battery pack. Internal test switch provided. Maximum average lumen output is 1300 (42W) ⁷
	26TRT	609WTZ Wheat semi-specular open			ELRHL Iota I-420-EM-B High lumen output emergency battery pack. Remote test switch provided. Maximum average lumen output is 1300 (42W) ⁷
	32TRT				GMF Single slow-blow fuse, must specify voltage
	42TRT				BDP Ballast disconnect plug (meets codes that require in-fixture disconnect) ⁴
					RIF1 Radio interference filter
					LBH Less barhangers
					WLP 35K lamp (shipped separately)
					TRW White flange

Accessories: Order as separate catalog number.

SCA8	Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D) Ex: SCA8 10D.
NPP16D EFP	nLight network power/relay pack with 0-10V dimming.
NPP16D ER EFP	nLight network power/relay pack with 0-10V dimming. ER controls fixtures on emergency circuit.

Notes

- Not available with ADEZ or ECOS.
- 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.
- For additional options see www.lithonia.com.
- Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.

6" LP6FN Vertical 1-Lamp, Double Twin-Tube (DTT) or Triple Tube (TRT), Open

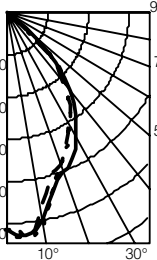
PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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LP6FN 32TRT 609A MVOLT, (1) 32W TRT lamp, 2400 rated lumens, 1.0 s/mh, Test no. LTL11603

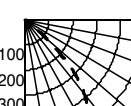
	cp Lumens		Zone	Lumens % Lamp		pf	20%						Task Height: 2.5ft.					
							pc	80%	70%	50%	50%	30%		50%	30%			
	0°	912	0° - 30°	623.0	26.0	0	61	61	59	59	57	57						
	5	943	88	0° - 40°	956.6	39.9	1	56	55	55	54	53	52	Mounting	Center	50% beam - 55.0°	10% beam - 92.0°	
	15	782	222	0° - 60°	1214.7	50.6	2	51	49	50	48	49	47	Height	Beam	Diameter	FC	Diameter
	25	684	313	0° - 90°	1225.4	51.1	3	47	44	46	44	45	43	8.0	30.1	5.7	15.1	11.4
	35	538	334	90° - 180°	0.0	0.0	4	43	40	43	40	42	39	10.0	16.2	7.8	8.1	15.5
	45	311	226	0° - 180°	1225.4	*51.1	5	40	36	39	36	38	36	12.0	10.1	9.9	5.1	19.7
	55	23	32	*Total Efficiency			6	37	33	36	33	36	33	14.0	6.9	12.0	3.4	23.8
	65	7	7				7	34	31	34	30	33	30	16.0	5.0	14.0	2.5	28.0
75	2	3				8	32	28	31	28	31	28						
85	1	1				9	30	26	29	26	29	26						
90	0					10	28	24	27	24	27	24						

LP6FN 32TRT 609AZ MVOLT, (1) 32W TRT lamp, 2400 rated lumens, 1.0 s/mh, Test no. LTL11604

	cp Lumens			Zone	Lumens	% Lamp	pf	pc	20%						Task Height: 2.5ft.					
												80%		70%		50%		Initial FC		50% beam - 52.0°
													Mounting		Center		50% beam - 52.0°		10% beam - 91.4°	
													Height		Beam		Diameter		FC	
													8.0		34.1		5.4		17.1	
													10.0		18.3		7.3		9.2	
													12.0		11.4		9.3		5.7	
													14.0		7.8		11.2		3.9	
													16.0		5.7		13.2		2.8	

0	1032		0° - 30°	673.9	28.1	0	64	64	62	62	59	59							
5	1060	99	0° - 40°	1022.7	42.6	1	59	57	58	56	55	54							
15	857	243	0° - 60°	1281.7	53.4	2	54	52	53	51	51	50							
25	727	332	0° - 90°	1281.7	53.4	3	50	47	49	46	48	45							
35	560	349	0° - 90°	1285.0	53.5	4	46	42	45	42	44	41							
45	333	237	90° - 180°	0.0	0.0	5	42	39	42	38	41	38							
55	9	22	0° - 180°	1285.0	*53.5	6	39	36	39	35	38	35							
65	2	2				7	36	33	36	32	35	32							
75	1	1				8	34	30	33	30	33	30							
85	0	0				9	31	28	31	28	31	28							
90	0					10	29	26	29	26	29	26							
			*Total Efficiency																

LP6FN 32TRT 609AZ CGL MVOLT, (1) 32W TRT lamp, 2400 rated lumens, 1.1 s/mh, Test no. LTL15104

	90°	0°	Zone	Lumens	% Lamp	pf	20%						Task Height: 2.5ft.					
	100	0°	685	0° - 30°	478	19.9	pc	80%	70%	50%	50% beam - 10% beam							
	200	5°	693	0° - 40°	746	31.1	pw	50%	30%	50%	30%	50%	30%	57.4°	92.5°			
	300	15°	624	0° - 60°	962	40.1	0	48	48	47	47	45	45					
	400	25°	566	0° - 90°	975	40.6	1	44	43	44	43	42	41					
	500	35°	464	90° - 180°	0	0.0	2	41	39	40	38	39	37					
	600	45°	278	0° - 180°	975	40.6	3	37	35	37	34	36	34					
	700	55°	35	Efficiency: 40.6%			4	34	32	34	31	33	31					
		65°	9				5	31	29	31	28	30	28					
		75°	3				6	29	26	29	26	28	26					
	85°	1				7	27	24	26	24	26	23						
	90°	0				8	25	22	25	22	24	22						
						9	23	20	23	20	22	20						
						10	21	19	21	19	21	19						

Mtg	Initial fc				
Ht	Center	Diameter	fc	Diameter	fc
8	22.6	6	11	11	2
10	12.2	8	6	16	1
12	7.6	10	4	20	1
14	5.2	13	3	24	1
16	3.8	15	2	28	0

LP6FN 32TRT 609AZ T73 MVOLT, (1) 32W TRT lamp, 2400 rated lumens, 1.1 s/mh, Test no. LTL15105

	90°		0°		Zone	Lumens % Lamp		pf	20%						Task Height: 2.5ft.					
							80%		70%		50%		Initial fc		50% beam - 10% beam		46.0° - 88.4°			
	0°		1107	0° - 30°	665	27.7	pc													
	200	5°	1144	0° - 40°	990	41.2	pw	50%	30%	50%	30%	50%	30%	Mtg	Center					
	400	15°	994	0° - 60°	1218	50.8	0	61	61	59	59	57	57	Ht	Beam	Diameter	fc	Diameter	fc	
	600	25°	739	0° - 90°	1227	51.1	1	56	55	55	54	53	52	8	36.6	5	18	11	4	
	800	35°	577	90° - 180°	0	0.0	2	52	49	51	49	49	47	10	19.7	6	10	15	2	
	1000	45°	357	0° - 180°	1227	51.1	3	48	45	47	44	46	43	12	12.3	8	6	18	1	
		55°	27	Efficiency: 51.1%			4	44	41	43	40	42	40	14	8.4	10	4	22	1	
		65°	8				5	41	37	40	37	39	36	16	6.1	11	3	26	1	
		75°	2				6	38	34	37	34	36	34							
		85°	0				7	35	32	35	31	34	31							
	90°	0				8	33	29	32	29	32	29								
						9	30	27	30	27	30	27								
						10	29	25	28	25	28	25								