

## 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 keyhole mount, which provides superior heat dissipation and extended lamp life. Socket housing also adjusts to accommodate varying lamp lengths. Galvanized steel mounting frame with mechanical trim retention (clips) ensures secure and flush reflector mounting to ceiling. Mounting frame has cutout section for remodel applications when installation from below is necessary.

Galvanized bar hangers span up to 24" o.c. and feature built-in T-bar clips and nailers for T-bar or wood joist installation.

Frames equipped with galvanized junction box UL Listed for through wire applications.

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.

Catalog Number
Notes
Type

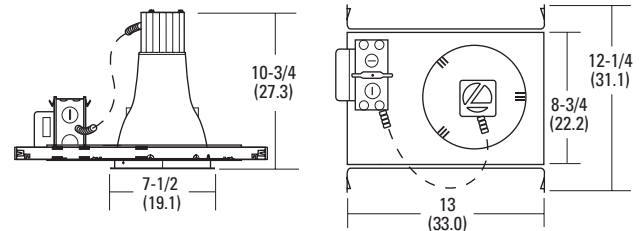
### Compact Fluorescent Downlighting

# 6" 6VF



### OPEN REFLECTOR

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



### Specifications

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

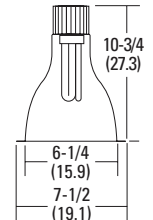
Ceiling opening: 7 (17.8)

Overlap trim: 7-1/2 (19.1)

Length: 13 (33.0)

Width: 12-1/4 (31.1)

All dimensions are inches (centimeters).



### ORDERING INFORMATION

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

**Example:** 6VF 26-42TRT 609A MVOLT

6VF Series	Wattage/Lamp	Reflector/Color	Lens type	Voltage	Options <sup>5</sup>
<b>6VF</b>	13DTT <sup>1</sup>	609 White open	(blank) No lens	<b>MVOLT<sup>3</sup></b>	ADEZ Advance Mark 10™ electronic dimming ballast, 120V or 277V. Minimum dimming level 5%. Must be voltage specific.
	18DTT	<b>609A 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%.
	26DTT	<b>609AZ Clear semi-specular open</b>	T73 Tempered glass prismatic lens	277	<b>EL Emergency PSDL3 DL battery pack with integral test switch<sup>6</sup></b>
	13TRT <sup>1</sup>	609G Gold diffuse open	PCL Clear polycarbonate lens	347 <sup>4</sup>	<b>ELR Emergency PSDL3 DL battery pack with remote test switch<sup>6</sup></b>
	18TRT		609GZ Gold semi-specular open		ELHL IOTA I-420-R high lumen output emergency battery pack. Integral test switch provided. Maximum average lumen output 1300 (42W). <sup>7</sup>
	<b>26-42TRT<sup>2</sup></b>	609PR Pewter diffuse open			ELRHL IOTA I-420-EM-B high lumen output emergency battery pack. Remote test switch provided. Maximum average lumen output 1300 (42W). <sup>7</sup>
	26TRT	609WTZ Wheat semi-specular open			GMF Single slow-blow fuse, must specify voltage
	32TRT				BDP Ballast disconnect plug (meets codes that require in-fixture disconnect) <sup>4</sup>
	42TRT				RIF1 Radio interference filter
					WLP 35K lamp (shipped separately)
				TRW White flange	

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).

### 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](http://www.lithonia.com), see [www.lithonia.com](http://www.lithonia.com).
- Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.

# 6" 6VF Vertical 1-Lamp, Double Twin-Tube (DTT) or 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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**6VF 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%							
						pw	50%	30%	50%	30%		50%	30%				
0	912	0° - 30°	623.0	26.0	0	61	61	59	59	57	57	Initial FC					
5	943	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	0° - 60°	1214.7	50.6	2	51	49	50	48	49	47	Height	Beam	Diameter	fc	Diameter	fc
25	684	0° - 90°	1225.4	51.1	3	47	44	46	44	45	43	8.0	30.1	5.7	15.1	11.4	3.0
35	538	90° - 180°	0.0	0.0	4	43	40	43	40	42	39	10.0	16.2	7.8	8.1	15.5	1.6
45	311	0° - 180°	1225.4	*51.1	5	40	36	39	36	38	36	12.0	10.1	9.9	5.1	19.7	1.0
55	23			*Total Efficiency	6	37	33	36	33	36	33	14.0	6.9	12.0	3.4	23.8	0.7
65	7				7	34	31	34	30	33	30	16.0	5.0	14.0	2.5	28.0	0.5
75	2				8	32	28	31	28	31	28						
85	1				9	30	26	29	26	29	26						
90	0				10	28	24	27	24	27	24						

**6VF 32TRT 609AZ MVOLT**, (1) 32W TRT lamp, 2400 rated lumens, 1.0 s/mh, test no. LTL11604

cp	Lumens	Zone	Lumens % Lamp	pf	20%						Task Height: 2.5ft.						
					pc	80%		70%		50%							
						pw	50%	30%	50%	30%		50%	30%				
0	1032	0° - 30°	673.9	28.1	0	64	64	62	62	59	59	Initial FC					
5	1060	0° - 40°	1022.7	42.6	1	59	57	58	56	55	54	Mounting	Center	50% beam - 52.0'		10% beam - 91.4'	
15	857	0° - 60°	1281.7	53.4	2	54	52	53	51	51	50	Height	Beam	Diameter	fc	Diameter	fc
25	727	0° - 90°	1285.0	53.5	3	50	47	49	46	48	45	8.0	34.1	5.4	17.1	11.3	3.4
35	560	90° - 180°	0.0	0.0	4	46	42	45	42	44	41	10.0	18.3	7.3	9.2	15.4	1.8
45	333	0° - 180°	1285.0	*53.5	5	42	39	42	38	41	38	12.0	11.4	9.3	5.7	19.5	1.1
55	9			*Total Efficiency	6	39	36	39	35	38	35	14.0	7.8	11.2	3.9	23.6	0.8
65	2				7	36	33	36	32	35	32	16.0	5.7	13.2	2.8	27.7	0.6
75	1				8	34	30	33	30	33	30						
85	0				9	31	28	31	28	31	28						
90	0				10	29	26	29	26	29	26						

**6VF 32TRT 609AZ CGL MVOLT**, (1) 32W TRT lamp, 2400 rated lumens, 1.1 s/mh, test no. LTL15104

cp	Lumens	Zone	Lumens % Lamp	pf	20%						Task Height: 2.5ft.						
					pc	80%		70%		50%							
						pw	50%	30%	50%	30%		50%	30%				
0°	685	0° - 30°	478	19.9	0	48	48	47	47	45	45	50% beam - 10% beam					
5°	693	0° - 40°	746	31.1	1	44	43	44	43	42	41	57.4' - 92.5'					
15°	624	0° - 60°	962	40.1	2	41	39	40	38	39	37	Initial fc					
25°	566	0° - 90°	975	40.6	3	37	35	37	34	36	34	Mtg	Center	Diameter fc		Diameter fc	
35°	464	90° - 180°	0	0.0	4	34	32	34	31	33	31	Ht	Beam	Diameter	fc	Diameter	fc
45°	278	0° - 180°	975	40.6	5	31	29	31	28	30	28	8	22.6	6	11	11	2
55°	35			Efficiency: 40.6%	6	29	26	29	26	28	26	10	12.2	8	6	16	1
65°	9				7	27	24	26	24	26	23	12	7.6	10	4	20	1
75°	3				8	25	22	25	22	24	22	14	5.2	13	3	24	1
85°	1				9	23	20	23	20	22	20	16	3.8	15	2	28	0
90°	0				10	21	19	21	19	21	19						

**6VF 32TRT 609AZ T73 MVOLT**, (1) 32W TRT lamp, 2400 rated lumens, 1.1 s/mh, test no. LTL15105

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



6VF - OPEN