

FEATURES

OPTICAL SYSTEM

- Self-flanged, semi-specular, matte-diffuse, or specular reflector. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp image and smooth transition from top of the reflector to bottom. Minimum flange matches reflector finish.

MECHANICAL SYSTEM

- 16-gauge galvanized steel mounting/plaster frame with friction support clips to retain optical system. Maximum 7/8" ceiling thickness.
- 16-gauge galvanized steel mounting bars with continuous 4" vertical adjustment are shipped pre-installed. Post-installation adjustment possible without the use of tools from above or below ceiling.
- Galvanized steel J-box with bottom-hinged access covers and spring latch. Two combination 1/2"-3/4" and three 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors, rated for 90°C

ELECTRICAL SYSTEM

- Cast aluminum lampholder housing.
- Horizontally mounted, positive-latch, thermoplastic socket.
- Class P, thermally protected high-power-factor electronic ballast(s) mounted to the junction box.
- Simply5™ technology available.

LISTING

- Fixtures are UL listed for thru-branch wiring, non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian standards.

WARRANTY

- One-year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/terms_and_conditions.aspx

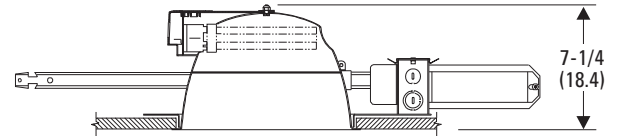
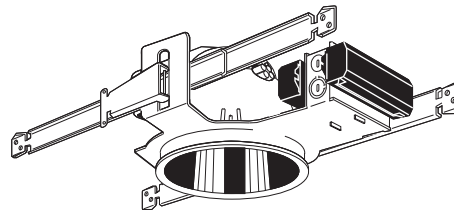
Type Catalog number

Compact Fluorescent Downlights

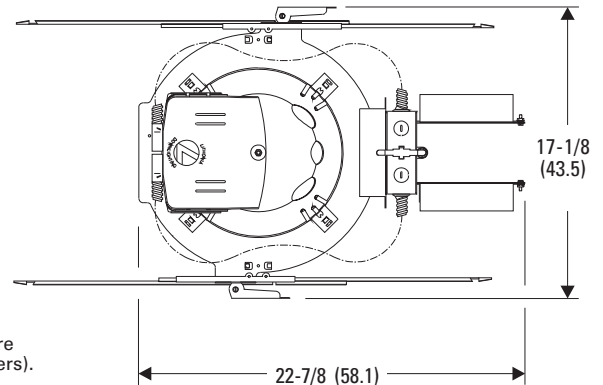
10" AF

Open Reflector

Horizontal Lamp
Double Twin-Tube



Aperture: 9-3/4 (24.8)
Ceiling opening: 10-1/4 (26.0)
Overlap trim: 10-7/8 (27.2)



All dimensions are inches (centimeters).

ORDERING INFORMATION

Example: **AF3/26DTT 10AR 120**

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

AF

Series	Wattage/lamp	Aperture/Trim color	Finish	Voltage	Ballast ³	Options
AF	1/13DTT 2/26DTT	10AR Clear	(blank) Semi-	MVOLT²	(blank) Electronic ballast.	DS Dual switching
	1/18DTT 3/13DTT	10PR Pewter	Specular	120	ECOS^{2,4} EcoSystem® electronic dimming ballast.	ELR⁷ Emergency battery pack. Remote test switch provided
	1/26DTT 3/18DTT	10WTR Wheat	LD Matte-diffuse	277	Minimum dimming level 5%	GMF⁶ Single slow-blow fuse
	2/13DTT 3/26DTT	10WR¹ White painted		347	ADEZ^{4,5} Advance Mark 10® electronic dimming ballast. Minimum dimming level 5%	GLR⁶ Single fast-blow fuse
	2/18DTT	10MB¹ Black baffle			ADZT^{4,5} Advance Mark 7® electronic dimming ballast. Minimum dimming level 5%	TRW White painted flange. Standard on MB and WB

NOTES

- 1 Not available with finishes.
- 2 Multi-volt electronic ballast capable of operating on any voltage from 120V through 277V, 50 or 60 Hz.
- 3 For additional ballast types, refer to TECH-250.
- 4 Not available with 13DTT.
- 5 Available in 120V or 277V only.
- 6 Simply5™ includes 9' S5 MLC Reloc wiring system (shipped separately). Available in 120V or 277V only. Not available with 13W or 18W. See simply5.net for more information.
- 7 For dimensional changes, refer to TECH-140.
- 8 For compatible Reloc systems, refer to TECH-110.
- 9 Not available with emergency options.
- 10 Meets codes that require in-fixture disconnect.
- 11 One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply (nPS80).
- 12 Must specify wattage. Ex.: WRL32

- TRBL** Black painted flange
- WLP** With 3500 K lamp (shipped separately)
- LRC⁶** Provides compatibility with Lithonia Reloc® System. Lithonia Reloc System can be installed less option with connectors provided by others. Access above ceiling required
- HW** Hardwire for S5 system; replaces Reloc
- CP⁹** Chicago plenum
- BDP¹⁰** Ballast disconnect plug
- NSD¹¹** Sensor Switch nLight™ dimming relay
- WRL¹²** Wattage restriction label



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AF 10 DTT OPEN

DCF-290

10" AF Open Reflector

Distribution curve Distribution data Output data Coefficient of utilization Single luminaire data 30" above floor

AF 3/18DTT 10AR, (3) 18W PL-C/27K lamp, 1.5 s/mh, 3750 rated lumens, Test no. 2194051702

From 0°	cp.	Lumens	Zone	Lumens	%lamp	p f	20%						Mount height	Initial fc at beam center	50% beam angle 66.7°		10% beam angle 94.0°		
							80%		70%		50%				Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	
							50%	30%	50%	30%	50%	30%							
0°	1348		0°-30°	1064	28.40	1	68	66	67	65	64	63							
5°	1325	127	0°-40°	1765	47.07	2	63	61	62	60	60	58	8'	44.6	7.2'	22.3	11.8'	4.5	
15°	1272	363	0°-60°	2303	61.43	3	58	55	58	55	56	54	10'	24.0	9.9'	12.0	16.1'	2.4	
25°	1246	577	0°-90°	2306	61.51	4	54	51	54	51	52	49	12'	14.9	12.5'	7.5	20.4'	1.5	
35°	1131	701	90°-180°	0	0.0	5	50	46	50	46	49	45	14'	10.2	15.1'	5.1	24.6'	1.0	
45°	639	475	0°-180°	2306	61.51*	6	47	43	46	42	45	42	16'	7.4	17.8'	3.7	28.9'	0.7	
55°	47	65	*Efficiency			7	43	39	42	39	41	38							
65°	2	3				8	39	35	39	35	38	35							
75°	1	1				9	36	32	36	32	35	31							
85°	0	1				10	33	29	33	29	32	28							
90°	0																		

AF 3/26DTT 10AR, (3) 26W PL-C 26W/27 lamp, 1.5 s/mh, 5400 rated lumens, Test no. 2195053103

From 0°	cp.	Lumens	Zone	Lumens	%lamp	p f	20%						Mount height	Initial fc at beam center	50% beam angle 69.9°		10% beam angle 96.7°		
							80%		70%		50%				Beam diameter	fc at beam edge	Beam diameter	fc at beam edge	
							50%	30%	50%	30%	50%	30%							
0°	1717		0°-30°	1462	27.08	1	66	65	65	64	63	62							
5°	1728	165	0°-40°	2438	45.15	2	62	59	61	58	59	57	8'	56.8	7.7'	28.4	12.1'	5.7	
15°	1744	496	0°-60°	3248	60.16	3	57	54	56	53	55	52	10'	30.5	10.6'	15.3	16.5'	3.1	
25°	1741	803	0°-90°	3250	60.19	4	53	49	52	49	51	48	12'	19.0	13.4'	9.5	20.9'	1.9	
35°	1575	977	90°-180°	0	0.0	5	49	45	48	45	47	44	14'	13.0	16.2'	6.5	25.3'	1.3	
45°	960	704	0°-180°	3250	60.19*	6	45	41	45	41	44	40	16'	9.4	19.0'	4.7	29.7'	0.9	
55°	74	107	*Efficiency			7	41	37	41	37	40	37							
65°	1	2				8	38	34	37	34	37	33							
75°	0	1				9	35	31	34	30	34	30							
85°	0	1				10	32	28	31	28	31	27							
90°	0																		

ENERGY (Calculated in accordance with NEMA standard LE-5A)

LER.DOH	Annual* Energy Cost	Lamps	Lamp Lumens	Ballast Factor	Input Watts
40	\$6.04	(1) 18W TRT	3750	1.0	58
39	\$6.13	(1) 26W TRT	5400	1.0	83

*Comparative yearly lighting energy cost per 1000 lumens

NOTES:

- For electrical characteristics, refer to Technical Bulletins tab.
- Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change without notice.
- Actual performance may differ as a result of end-user environment and application.

DCF-290

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