

FEATURES

OPTICAL SYSTEM

- Reflector - Self-flanged, semi-specular or matte diffuse reflector. Fluted vertical upper section works in conjunction with patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) to provide lamp before lamp image and smooth transition from top of reflector to bottom. Minimum flange matches reflector finish.
- Baffle/cone - Semi-specular clear upper reflector. Microgroove baffle with white painted flange or specular black cone with flange that matches cone finish.
- Lens - Position at optical break provides optimal visual comfort and improved aperture aesthetics.
- Hinged lampdoor seals upper trim for optimal fixture efficiency and the reduction of stray light in the plenum.

MECHANICAL SYSTEM

- 16-gauge galvanized steel mounting/plaster frame with integral yoke to retain optical system. Maximum 1-1/2" 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 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

- Horizontally-mounted, positive latch thermoplastic socket(s).
- Class P, thermally-protected, high power factor ballast 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.

Type

Catalog number

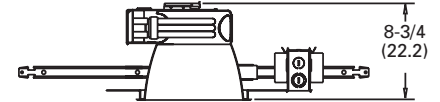
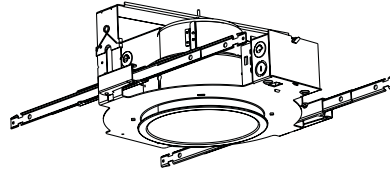
AF 2/42TRT 8WR T73 120 DMHL ELR WLP

Compact Fluorescent Downlights

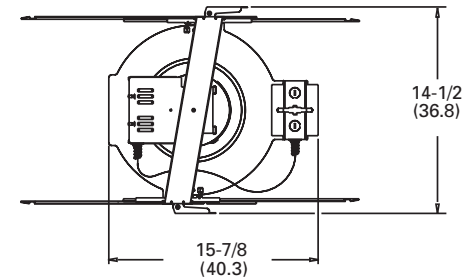
8" AF

Lensed Reflector

Horizontal Lamp
Triple-Tube



Aperture: 7-7/8 (20.1)
Ceiling Opening: 8-7/8 (22.5)
Overlap Trim: 9-1/4 (23.5)



All dimensions
are inches
(centimeters)

ORDERING INFORMATION

Example: AF 2/32TRT 8AR CGL MVOLT

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

AF

Series	Wattage/ Lamp	Aperture/ Trim color	Finish	Lens type	Voltage	Ballast ⁴	Options
AF	1/18TRT 1/26TRT 1/32TRT 1/42TRT 1/57TRT 2/18TRT 2/26TRT 2/32TRT 2/42TRT	8AR Clear 8PR Pewter 8WTR Wheat 8WR ¹ White painted 8MB ^{1,2} Black baffle 8WB ¹ White baffle 8BC ^{1,2} Black cone	(blank) Semi-specular LD Matte-diffuse	CGL Clear glass lens PCL ² Clear polycarbonate lens T73 Tempered prismatic lens PPC ² Prismatic polycarbonate lens FOL Flat opal lens	MVOLT ³ (blank) 120 277 347	Electronic ballast Lutron Compact SE™ electronic dimming ballast. Minimum dimming level 5% ADEZ ⁵ Advance Mark 10® electronic dimming ballast. Minimum dimming level 5% S5 ⁶ SIMPLY5™ system ballast	ELR ⁷ Emergency battery pack. Remote test switch GMF Single, slow-blow fuse (not available with MVOLT) GLR Single, fast-blow fuse (not available with MVOLT) TRW White painted flange (standard on MB and WB) TRBL Black painted flange WLP With 3500°K lamp (shipped separately) LRC ⁷ Provides compatibility with Lithonia Reloc System. Reloc System can be installed less this option with connectors provided by others. Access above ceiling required CP ⁸ Chicago Plenum CSA CSA Certified BDP ⁹ Ballast disconnect plug HW Hardware for S5 system; replaces Reloc ELRLH ¹⁰ High lumen output emergency battery pack. Remote test switch provided WL Wet location

NOTES

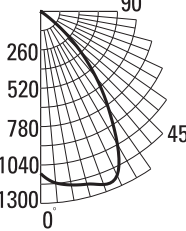
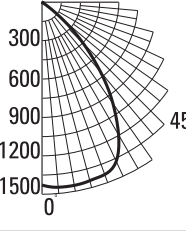
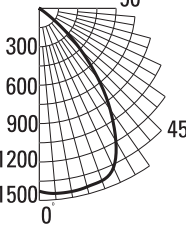
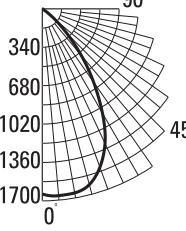
- 1 Not available with finishes.
- 2 Lens positioned below optical break.
- 3 Multi-volt electronic ballast capable of operating on any voltage from 120V through 277V, 50 or 60 Hz.
- 4 For additional ballast types, refer to Technical Bulletins tab.
- 5 Available in 120V or 277V only. Minimum dimming level 5%.
- 6 Simply5™ includes 9" S5 MLC Reloc wiring system (shipped separately). Available in 120V or 277V only. Not available in 18W or 57W. See simply5.net for more information.
- 7 For compatible Reloc systems, refer to Technical Bulletins tab.
- 8 Not available with ELR option.
- 9 Meets codes that require in-fixture disconnect.
- 10 For dimensional changes, refer to Technical Bulletins tab.

Accessories

Order as separate catalog number.

SCA8 Sloped ceiling adapter. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SCA8 10D

8" AF Lensed

Distribution curve	Distribution data			Output data			Coefficient of utilization										Illuminance Data at 30" Above Floor for a Single Luminaire					
AF 2/32TRT 8AR CGL, (2) CF32DT/E/IN/835, 2400 lumens per lamp, 1.3 s/mh, Test no. LTL9536																						
	From 0°	cp.	Lumens	Zone	Lumens	%lamp	p f p c p w	80%		20%		50%		Mount height	Initial fc at beam center	50%		10%				
								50%	30%	50%	30%	50%	30%			beam angle 64.6°	beam angle 91.7°					
	0°	1098		0°-30°	970.1	20.2		1	41	40	40	39	39			38						
	5°	1166	112	0°-40°	1463.2	30.5		2	38	36	37	36	36			35						
	15°	1211	344	0°-60°	1788.8	37.3		3	35	33	34	32	33			32						
	25°	1225	514	0°-90°	1800.7	37.5		4	32	30	32	29	31			29						
	35°	800	493	90°-180°	0.0	0.0		5	30	27	29	27	28			26	8'	36.3	7.0	18.1	11.3	3.6
	45°	379	284	0°-180°	1800.7	37.5*		6	27	25	27	25	26			24	10'	19.5	9.5	9.8	15.4	2.0
	55°	30	42	*Efficiency				7	25	23	25	23	25			22	12'	12.2	12.0	6.1	19.6	1.2
	65°	9	8					8	24	21	23	21	23			21	14'	8.3	14.5	4.2	23.7	0.8
	75°	4	3					9	22	19	22	19	21			19	16'	6.0	17.1	3.0	27.8	0.6
	85°	0	1					10	20	18	20	18	20			18						
90°	0																					
AF 2/42TRT 8AR CGL, (2) CF42DT/E/IN/835, 3200 lumens per lamp, 1.3 s/mh, Test no. LTL9530																						
	From 0°	cp.	Lumens	Zone	Lumens	%lamp	p f p c p w	80%		20%		50%		Mount height	Initial fc at beam center	50%		10%				
								50%	30%	50%	30%	50%	30%			beam angle 64.4°	beam angle 91.0°					
	0°	1428		0°-30°	1262.1	19.7		1	40	39	39	38	37			37						
	5°	1451	145	0°-40°	1896.6	29.6		2	36	35	36	34	35			33						
	15°	1443	448	0°-60°	2291.5	35.8		3	33	31	33	31	32			30						
	25°	1372	669	0°-90°	2305.6	36.0		4	31	29	30	28	30			28						
	35°	966	634	90°-180°	0.0	0.0		5	28	26	28	26	27			26	8'	47.2	6.9	23.6	11.2	4.7
	45°	457	345	0°-180°	2305.6	36.0*		6	26	24	26	24	25			23	10'	25.4	9.5	12.7	15.3	2.5
	55°	37	50	*Efficiency				7	24	22	24	22	24			22	12'	15.8	12.0	7.9	19.3	1.6
	65°	10	10					8	23	20	23	20	22			20	14'	10.8	14.5	5.4	23.4	1.1
	75°	3	4					9	21	19	21	19	21			19	16'	7.8	17.0	3.9	27.5	0.8
	85°	0	0					10	20	17	20	17	19			17						
90°	0																					
AF 2/32TRT 8AR T73, (2) CF32DT/E/IN/835, 2400 lumens per lamp, 1.1 s/mh, Test no. LTL9537																						
	From 0°	cp.	Lumens	Zone	Lumens	%lamp	p f p c p w	80%		20%		50%		Mount height	Initial fc at beam center	50%		10%				
								50%	30%	50%	30%	50%	30%			beam angle 62.1°	beam angle 92.6°					
	0°	1275		0°-30°	934.9	19.5		1	37	36	36	35	35			34						
	5°	1347	122	0°-40°	1336.8	27.9		2	34	32	33	32	32			31						
	15°	1366	347	0°-60°	1593.9	33.2		3	31	29	31	29	30			28						
	25°	1147	466	0°-90°	1603.1	33.4		4	29	27	28	27	28			26						
	35°	690	402	90°-180°	0.0	0.0		5	27	25	26	24	26			24	8'	27.1	6.6	13.6	11.5	2.7
	45°	262	216	0°-180°	1603.1	33.4*		6	25	23	25	22	24			22	10'	14.6	9.0	7.3	15.7	1.5
	55°	31	41	*Efficiency				7	23	21	23	21	22			21	12'	9.1	11.4	4.5	19.9	0.9
	65°	6	6					8	22	19	21	19	21			19	14'	6.2	13.8	3.1	24.1	0.6
	75°	2	3					9	20	18	20	18	20			18	16'	4.5	16.3	2.3	28.2	0.5
	85°	0	0					10	19	17	19	17	18			17						
90°	0																					
AF 2/42TRT 8AR T73, (2) CF42DT/E/IN/835, 3200 lumens per lamp, 1.1 s/mh, Test no. LTL9531																						
	From 0°	cp.	Lumens	Zone	Lumens	%lamp	p f p c p w	80%		20%		50%		Mount height	Initial fc at beam center	50%		10%				
								50%	30%	50%	30%	50%	30%			beam angle 55.5°	beam angle 86.2°					
	0°	1639		0°-30°	1195.2	18.7		1	35	34	34	33	33			32						
	5°	1660	156	0°-40°	1700.4	26.6		2	32	31	32	30	31			30						
	15°	1611	445	0°-60°	2015.9	31.5		3	30	28	29	28	28			27						
	25°	1315	594	0°-90°	2027.7	31.7		4	27	26	27	25	26			25						
	35°	793	505	90°-180°	0.0	0.0		5	25	23	25	23	25			23	8'	54.2	5.8	27.1	10.3	5.4
	45°	310	266	0°-180°	2027.7	31.7*		6	24	22	23	21	23			21	10'	29.1	7.9	14.6	14.0	2.9
	55°	38	50	*Efficiency				7	22	20	22	20	21			20	12'	18.2	10.0	9.1	17.8	1.8
	65°	8	8					8	21	18	20	18	20			18	14'	12.4	12.1	6.2	21.5	1.2
	75°	3	3					9	19	17	19	17	19			17	16'	9.0	14.2	4.5	25.3	0.9
	85°	1	1					10	18	16	18	16	18			16						
90°	0																					

NOTES:

- For electrical characteristics, consult 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 & specifications are based on the most current available data and are subject to change without notice.
- Consult factory or IES file for microgroove baffle, black cone and other photometric reports.

DCF-210

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GOTHAM ARCHITECTURAL DOWNLIGHTING
A DIVISION OF ACUITY LIGHTING GROUP, INC.
1400 Lester Road Conyers Georgia 30012
P 800 315 4982 F 770 860 3129
www.gothamlighting.com