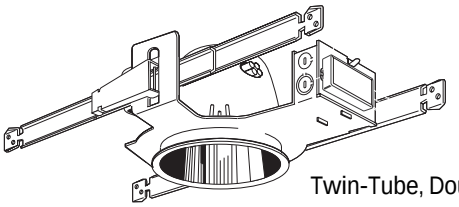
Catalog Number	Type
AF-2/13TT-8AR-277	B2

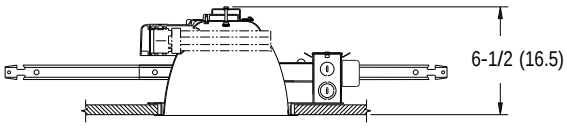
Compact Fluorescent Downlights

8" AF

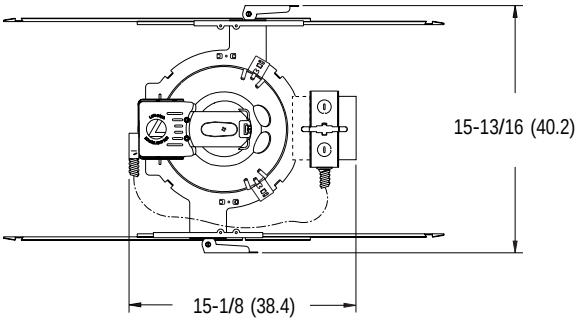
Open Reflector

Horizontal Lamp
Twin-Tube, Double Twin-Tube or Tri-Tube





Aperture:	8 (20.3)
Ceiling opening:	8-5/8 (21.9)
Overlap trim:	9-1/8 (23.2)



All dimensions are inches (centimeters).
Maximum dimension for two ballast configuration. Actual configuration may vary.

FEATURES

OPTICAL SYSTEM

- Reflector - Self-flanged, specular clear, highly specular or semi-diffuse reflector.
- Baffle/cone - Specular clear upper reflector. Microgroove baffle with white painted flange or specular black cone with flange that matches cone finish.
- Brightness control and high efficiency are optimally balanced.
- Controlled anodized coating suppresses iridescence.

HOUSING

- 16-gauge galvanized steel mounting/plaster frame with friction support springs to retain optical system. Maximum 7/8" ceiling thickness.
- Expandable, self-locking mounting bars provide horizontal and vertical adjustment.
- Galvanized steel junction box with bottom-hinged access covers and spring latches. Two combination 1/2"–3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors, rated for 75°C.

ELECTRICAL SYSTEM

- Die-cast aluminum socket housing. Ventilated top for convective cooling.
- Horizontally-mounted, positive-latch, thermoplastic socket(s) in single (centered) or double-lamp configuration.
- Class P (thermally protected) high power factor ballast(s) mounted to the junction box.

LISTING

- Fixtures are UL listed for thru-branch wiring, recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards (see Options).

ENERGY

LER.DOL	Annual Energy Cost	Lamps	Lamp Lumens	Ballast Factor	Input Watts
42	$5.80	2/26DTT	3600	.98	52

Calculated in accordance with NEMA standard LE-5.

ORDERING INFORMATION

Example: **AF 2/26DTT 8AR 120 GEB10 WLP**

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

AF

Wattage/Lamp

1/9TT[1]	One 9W twin-tube
2/9TT[1]	Two 9W twin-tube
1/13TT[1]	One 13W twin-tube
2/13TT[1]	Two 13W twin-tube
1/13DTT[2]	One 13W double twin-tube
2/13DTT[2]	Two 13W double twin-tube
1/18DTT[2]	One 18W double twin-tube
2/18DTT[2]	Two 18W double twin-tube
1/26DTT[2]	One 26W double twin-tube
2/26DTT[2]	Two 26W double twin-tube
1/18TRT[3]	One 18W tri-tube
1/26TRT[3]	One 26W tri-tube
1/32TRT[3]	One 32W tri-tube
1/42TRT[3]	One 42W tri-tube

Reflector Type

8AR	Clear
8PR	Pewter
8UBR	Umber
8WTR	Wheat
8CR[4]	Champagne Gold
8GR[4]	Gold
8BC[5]	Black Cone
8MB[5]	Black Microgroove Baffle

Voltage

120
277
347

Finish

(blank)	Specular low iridescent
LD	Semi-diffuse low iridescent
LS	Highly specular

Ballast[6]

EMB	Electromagnetic ballast. Requires two-pin lamp.
GEB10	Electronic ballast. Requires four-pin lamp.
DMHL	Lutron Hi-lume® electronic dimming ballast. (120V or 277V; 18DTT, 26DTT, 32TRT and 42TRT only.) Requires four-pin lamp. Minimum dimming level 5%.
ADEZ	Advance Mark X electronic dimming ballast. (120V or 277V; 26DTT, 26TRT, 32TRT and 42TRT only.) Requires four-pin lamp. Minimum dimming level 5%.

Options

WLP	With 35K lamp (shipped separately).
TRW	White painted flange. (Standard with 8MB.)
LRC[7]	Provides compatibility with Lithonia Reloc System. Lithonia Reloc System can be installed **less this option** with connectors provided by others. Access above ceiling required.
GMF	Single slow-blow fuse.
RIF	Radio interference filter.
ELR[8]	Emergency battery pack. Remote test switch provided.
EL[8,9]	Emergency battery pack. Integral test switch provided.
QDS[10]	Quick disconnect for easy ballast replacement.
DS	Dual switching.
GSKT	1/8" x 3/8" foam gasketing.
CSA	Listed and labeled to comply with Canadian Standards.

Accessories

Order as separate catalog number.

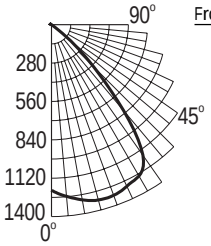
SC8	Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SC8 **10D**.
CTA8	Ceiling thickness adaptor. (Extends mounting frame to accommodate ceiling thickness up to 2".)

NOTES
1 Available with electromagnetic ballast only.
2 Available with electromagnetic or electronic ballast.
3 Available with electronic ballast only.
4 Not recommended for use with compact fluorescent lamps; consult factory.
5 Not available with finishes.
6 Refer to options and accessories tab for additional ballast types.
7 For compatible Reloc systems, refer to options and accessories tab.
8 For dimensional changes, refer to options and accessories tab.
9 Available in two-lamp units only.
10 Not available with ELR or EL option.

8" **AF** Open Reflector

Distribution curve | **Distribution data** | **Output data** | **Coefficient of utilization** | **Illuminance Data at 30" Above Floor for a Single Luminaire**

AF 2/26DTT 8AR, (2) PL-C 26W/27 lamp, 3600 total rated lumens, 1.5 s/mh, test no. 2193092309



From 0°	cp.	Lumens
0°	1207	
5°	1257	120
15°	1324	373
25°	1300	596
35°	1162	708
45°	436	374
55°	18	36
65°	1	2
75°	0	1
85°	0	1
90°	0	

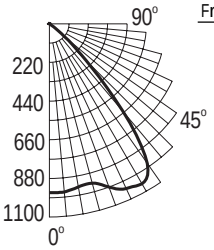
Zone	Lumens	%lamp
0°-30°	1087	30.2
0°-40°	1795	49.8
0°-60°	2203	61.2
0°-90°	2204	61.2
90°-180°	0	0.0
0°-180°	2204	61.2*

*Efficiency

ρf	20%					
ρc	80%		70%		50%	
ρw	50%	30%	50%	30%	50%	30%
1	68	66	68	67	64	63
2	63	61	65	62	60	58
3	59	56	61	58	56	54
4	55	51	58	54	53	50
5	51	47	55	50	49	46
6	47	43	52	47	46	43
7	44	40	49	43	42	39
8	40	36	46	40	39	36
9	37	33	43	37	36	33
10	34	30	40	34	33	30

		50% beam angle 71.9°		10% beam angle 92.1°	
Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8'	39.9	8.0'	20.0	11.4'	4.0
10'	21.5	10.9'	10.7	15.6'	2.1
12'	13.4	13.8'	6.7	19.7'	1.3
14'	9.1	16.7'	4.6	23.9'	.9
16'	6.6	19.6'	3.3	28.0'	.7

AF 1/32TRT 8AR, (1) CF32DT/E/IN/835 lamp, 2400 total rated lumens, 1.2 s/mh, test no. LTL8144



From 0°	cp.	Lumens
0°	959	0
5°	959	91
15°	937	268
25°	1032	475
35°	970	580
45°	294	247
55°	14	20
65°	2	3
75°	0	0
85°	0	0
90°	0	0

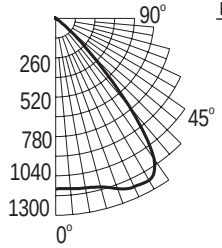
Zone	Lumens	%lamp
0°-30°	835	34.8
0°-40°	1415	58.9
0°-60°	1681	70.1
0°-90°	1685	70.2
90°-180°	0	0.0
0°-180°	1685	70.2*

*Efficiency

ρf	20%					
ρc	80%		70%		50%	
ρw	50%	30%	50%	30%	50%	30%
1	77	75	75	74	73	71
2	71	68	70	67	67	65
3	65	61	64	60	62	59
4	60	55	59	55	57	54
5	55	50	54	50	53	49
6	51	46	50	46	49	45
7	47	42	46	42	45	41
8	43	39	43	38	42	38
9	40	36	40	35	39	35
10	37	33	37	33	36	32

		50% beam angle 72.7°		10% beam angle 90.6°	
Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8'	31.7	8.1'	15.9	11.1'	3.2
10'	17.0	11.0'	8.5	15.2'	1.7
12'	10.6	14.0'	5.3	19.2'	1.1
14'	7.3	16.9'	3.6	23.2'	0.7
16'	5.3	19.9'	2.6	27.3'	0.5

AF 1/42TRT 8AR, (1) CF42DT/E/IN/835 lamp, 3200 total rated lumens, 1.4 s/mh, test no. LTL8145



From 0°	cp.	Lumens
0°	1125	0
5°	1129	108
15°	1152	328
25°	1227	570
35°	1132	673
45°	332	278
55°	20	28
65°	5	5
75°	1	1
85°	0	0
90°	0	0

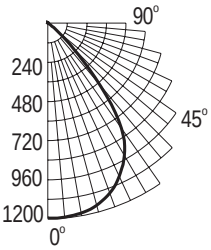
Zone	Lumens	%lamp
0°-30°	1005	31.4
0°-40°	1678	52.4
0°-60°	1985	62.0
0°-90°	1991	62.2
90°-180°	0	0.0
0°-180°	1991	62.2*

*Efficiency

ρf	20%					
ρc	80%		70%		50%	
ρw	50%	30%	50%	30%	50%	30%
1	68	67	67	65	64	63
2	63	60	62	59	60	57
3	58	54	57	54	55	52
4	53	49	52	49	51	48
5	49	45	48	44	47	44
6	45	41	45	41	44	40
7	42	37	41	37	40	37
8	39	34	38	34	37	34
9	36	32	36	31	35	31
10	33	29	33	29	33	29

		50% beam angle 72.3°		10% beam angle 90.3°	
Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8'	37.2	8.0'	18.6	11.1'	3.7
10'	20.0	11.0'	10.0	15.1'	2.0
12'	12.5	13.9'	6.2	19.1'	1.2
14'	8.5	16.8'	4.3	23.1'	0.9
16'	6.2	19.7'	3.1	27.2'	0.6

AF 2/26DTT 8MB, (2) PL-C 26W/27 lamp, 3600 total rated lumens, 1.2 s/mh, test no. 2193120102



From 0°	cp.	Lumens
0°	1196	
5°	1196	115
15°	1158	327
25°	1038	476
35°	789	476
45°	227	201
55°	8	19
65°	0	1
75°	0	1
85°	0	1
90°	0	

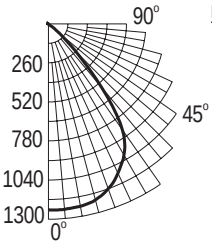
Zone	Lumens	%lamp
0°-30°	915	25.4
0°-40°	1391	38.6
0°-60°	1610	44.7
0°-90°	1610	44.7
90°-180°	0	0.0
0°-180°	1610	44.7*

*Efficiency

ρf	20%					
ρc	80%		70%		50%	
ρw	50%	30%	50%	30%	50%	30%
1	50	49	49	48	47	46
2	47	45	46	44	44	43
3	44	42	43	41	42	40
4	41	39	40	38	40	38
5	38	36	38	35	37	35
6	36	33	36	33	35	33
7	33	31	33	31	33	30
8	31	29	31	28	30	28
9	29	26	29	26	28	26
10	27	24	27	24	26	24

		50% beam angle 60.4°		10% beam angle 86.8°	
Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8'	39.5	6.4'	19.8	10.4'	4.0
10'	21.3	8.7'	10.6	14.2'	2.1
12'	13.3	11.1'	6.6	18.0'	1.3
14'	9.0	13.4'	4.5	21.8'	.9
16'	6.6	15.7'	3.3	25.6'	.7

AF 2/26DTT 8BC, (2) PL-C 26W/27 lamp, 3600 total rated lumens, 1.2 s/mh, test no. 2193120101



From 0°	cp.	Lumens
0°	1237	
5°	1238	119
15°	1212	342
25°	1096	502
35°	859	514
45°	252	220
55°	6	18
65°	1	1
75°	0	1
85°	0	1
90°	0	

Zone	Lumens	%lamp
0°-30°	961	26.7
0°-40°	1474	40.9
0°-60°	1712	47.5
0°-90°	1712	47.5
90°-180°	0	0.0
0°-180°	1712	47.5*

*Efficiency

ρf	20%					
ρc	80%		70%		50%	
ρw	50%	30%	50%	30%	50%	30%
1	53	52	52	51	50	49
2	50	48	49	47	47	46
3	46	44	46	44	44	43
4	43	41	43	41	42	40
5	41	38	40	38	39	37
6	38	35	38	35	37	35
7	35	33	35	32	34	32
8	33	30	33	30	32	30
9	31	28	30	28	30	27
10	28	26	28	26	28	25

		50% beam angle 61.3°		10% beam angle 87.4°	
Mount height	Initial fc at beam center	Beam diameter	fc at beam edge	Beam diameter	fc at beam edge
8'	40.9	6.5'	20.5	10.5'	4.1
10'	22.0	8.9'	11.0	14.3'	2.2
12'	13.7	11.3'	6.9	18.1'	1.4
14'	9.4	13.6'	4.7	22.0'	.9
16'	6.8	16.0'	3.4	25.8'	.7

NOTES:

1. For electrical characteristics consult technical data tab.
2. 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.

©1994 Lithonia Lighting, Rev. 7/00

LITHONIA LIGHTING
DOWNLIGHTING & TRACK LIGHTING
ONE LITHONIA WAY, CONYERS, GEORGIA 30012, TELEPHONE 770-922-9000, FAX 770-860-3129
www.lithonia.com • IN CANADA: 1100 50TH AVE., LACHINE, QUEBEC H8T 2V3