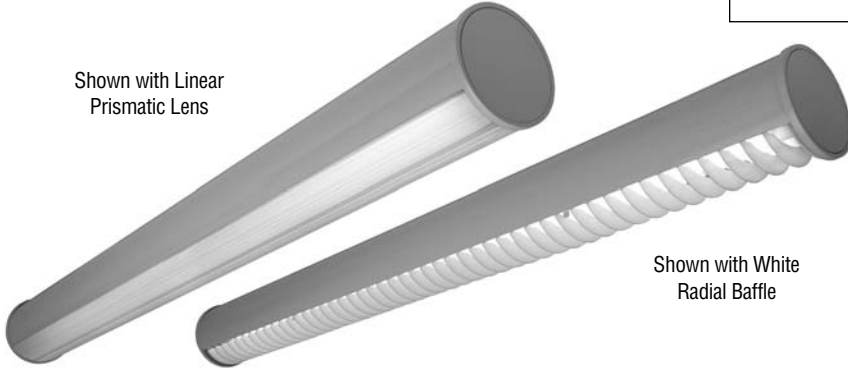


Round Series

Catalog Number	Type
Project Name	

Shown with Linear Prismatic Lens



Shown with White Radial Baffle

AR401•AR403

4½" Round Direct
110° Aperture
(T8, T5 or T5HO Lamps)

S P E C I F I C A T I O N S

Housing

One-piece .100" thick extruded aluminum. Die-cast aluminum end plates are secured with no visible fasteners. Standard lengths are 4', 8' and 12'. Provisions may be made for patterns and continuous rows of any length.

Finish

Standard and premium finishes are baked powder coat electrostatically applied (2.0 mil minimum thickness) to assure aesthetics and durability. Standard finish for stems and canopies is white.

Optical Controls

- (LP) Clear extruded 100% DR acrylic linear prismatic lens
- (WD) Clear extruded 100% DR acrylic wide distribution linear prismatic lens
- (BW) One-piece white aluminum radial baffle

Reflectors

Die-formed from .020" thick aluminum and finished with a high reflectance white enamel.

Ballast

Standard ballasts for T5 and T5HO lamps are UL/CUL listed, Class P, HPF, electronic, universal 120/277volt, programmed rapid start with <10% THD. Standard ballasts for T8 lamps are UL/CUL listed, Class P, HPF, electronic, universal 120/277volt, instant start with <10% THD.

Circuitry

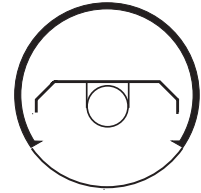
All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting is optional.

Controls

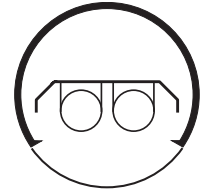
Contact factory for control by Occupancy Sensors, Photo Controls and Daylight Harvesting.

Certification

All fixtures are UL/CUL listed for use in 'Dry Applications'. 'Damp Location' is optional.



AR401



AR403

Standard Lengths:
4', 8' and 12'

Mounting

- CN = Cable (Non-Tbar) Fully Adjustable (36" Standard)
- P = Rigid Stem (Up to 48" Standard)
- K = Swivel Stem (Up to 48" Standard)
- J = Ceiling
- W = Wall
- T = Telescoping End

Series
AR401
AR403

AR403-12-CN-LP-F01M-V-T8-[]

Optical Controls

- LP**
Linear Prismatic Lens
- WD**
Wide Distribution Lens (AR401 Only)
- BW**
White Radial Baffle

Standard Finishes

- F01M Matte White
- F01G Gloss White
- Premium Finishes**
- F02 Ivory
- F03 Stonewash
- F04 Camel
- F05 Gray Day
- F06 Pebble Beach
- F07 Steel
- F08 Gray Seal
- F09 Mocha
- F10 Bronzed
- F11 Black
- F12 Ultrasonic Clear
- F13 Merlot
- F14 Red Skies
- F15 Lemon
- F16 Forest Hunter
- F17 Olive
- F18 Khaki
- F19 Heather Green
- F20 Blue Print
- F21 Reflex Blue
- F22 Navy
- FCC Custom Color

Voltage

- 120 T8
- 277 T5
- 347 T5HO

Lamp Type

Options

- SS-L/R** (Left/Right) Lamp Row Switching (Common Neutral Utilized)
- NLCKT** Separate Night Light Circuit
- EMCKT** Separate Emergency Circuit
- EBPL** Emergency Battery Pack (635-700 Lumens)
- EBPH** Emergency Battery Pack (975-1325 Lumens)
- Dim** Dimming
- FS** Fused Ballasts
- GTD** Generator Transfer Device
- ROT** Rotatable

To view Wood Grain, Marble and Granite Finishes on our Website see "Products"->"Specialty Finishes".



AR401

4 1/2" Round Direct

Wide Distribution Lens

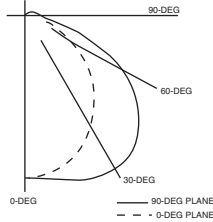
Catalog Number: AR401-4-X-WD-F01-120-T12

Report Number: LTL #00586.ies

Luminaire Description: Extruded Aluminum Housing, White Enamel Reflector

Lamps: One F40T12/CW rated at 3150 lumens

Spacing Criteria: 0° 90°
1.2 1.6



CANDELA DISTRIBUTION LUMENS

	0.0	22.5	45.0	67.5	90.0	
0	491	491	491	491	491	
5	483	487	487	489	490	47
15	462	468	483	500	507	137
25	418	435	482	518	530	220
35	357	393	470	514	528	285
45	280	346	431	468	475	313
55	197	284	357	385	392	295
65	114	195	257	271	269	225
75	42	101	128	119	113	115
85	5	34	51	53	53	47
90	0	17	35	40	41	
95	0	8	24	32	35	23
105	0	2	11	19	22	12
115	0	1	6	11	14	6
125	0	0	2	6	7	3
135	0	0	2	3	3	1
145	0	0	0	1	1	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	0

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50			30			10			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	65	65	65	65	63	63	63	63	60	60	60	57	57	57	55	55	55	53
1	59	57	55	53	58	56	53	52	53	51	50	51	49	48	48	47	46	45
2	54	50	46	43	53	49	45	42	46	44	41	44	42	40	43	41	39	38
3	50	44	40	36	48	43	39	36	41	38	35	39	37	34	38	35	33	32
4	45	39	34	30	44	38	34	30	36	33	30	35	32	29	34	31	28	27
5	41	34	29	25	40	33	29	25	32	28	25	31	27	24	30	27	24	23
6	38	30	25	22	37	30	25	22	29	24	21	28	24	21	27	23	21	20
7	35	27	22	19	34	27	22	19	26	21	18	25	21	18	24	20	18	17
8	32	24	19	16	31	24	19	16	23	19	16	22	18	16	21	18	15	14
9	29	22	17	14	28	21	17	14	20	16	14	20	16	13	19	16	13	12
10	27	20	15	12	26	19	15	12	19	15	12	18	14	12	17	14	12	11

QUICK SELECTION TABLE

Number of 4' luminaires required for initial illumination of 50 footcandles

Luminaire suspension length = 18" Working Plane Height = 30" Floor Reflectance = .20

Room HT	8				9				10				12				
Ceil RF	80		70		80		70		80		70		80		70		
Wall RF	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30	
Width	Length																
10.	10.	4	5	5	5	4	5	5	6	5	6	6	7	5	7	7	9
10.	15.	5	6	6	7	6	7	7	8	6	7	8	9	7	9	9	11
15.	20.	10	10	11	12	10	11	11	13	11	12	12	14	12	14	14	16
15.	30.	14	15	15	16	14	16	16	17	15	17	17	19	16	19	19	22
20.	20.	12	13	14	15	13	14	14	16	13	15	15	17	15	17	17	19
20.	30.	18	19	19	20	18	20	20	22	19	21	21	23	20	23	24	26
20.	40.	23	24	25	26	24	26	26	28	24	27	27	30	26	29	30	33
20.	60.	33	35	36	38	35	37	38	40	36	39	40	43	38	42	43	47
30.	30.	25	27	27	29	26	28	29	30	27	29	30	32	28	32	32	35
30.	40.	33	35	36	37	34	36	37	39	35	37	38	41	37	40	41	45
30.	50.	41	43	44	46	42	44	45	47	43	46	47	50	45	49	50	54
30.	60.	49	51	52	54	50	52	54	56	51	54	55	58	53	58	59	64
60.	60.	94	96	99	101	95	99	101	104	97	101	103	107	99	105	108	113
60.	80.	124	127	130	133	125	129	133	136	127	132	135	140	131	137	141	147
60.	100.	154	157	161	165	156	160	164	168	158	163	167	172	162	169	173	181
100.	100.	253	257	264	268	256	261	268	272	258	264	271	277	262	272	279	287

AR403

4 1/2" Round Direct (T8 Lamps)

Wide Distribution Lens

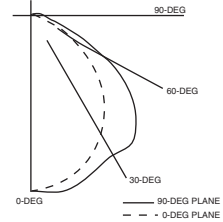
Catalog Number: AR403-4-X-WD-F01-120-T8

Report Number: LTL #00592.ies

Luminaire Description: Extruded Aluminum Housing, White Enamel Reflector

Lamps: Two F032T8/CW rated at 2900 lumens each

Spacing Criteria: 0° 90°
1.2 1.4



CANDELA DISTRIBUTION LUMENS

	0.0	22.5	45.0	67.5	90.0	
0	926	926	926	926	926	926
5	916	923	928	933	936	89
15	874	895	914	921	924	256
25	790	825	844	867	876	389
35	673	718	764	827	857	482
45	522	589	697	783	789	526
55	355	454	617	614	598	481
65	197	333	379	332	310	322
75	72	173	166	139	130	156
85	8	56	71	68	67	65
90	0	27	49	54	55	
95	0	12	34	45	47	32
105	0	3	15	27	30	17
115	0	2	8	15	18	9
125	0	0	2	6	8	3
135	0	0	1	3	3	1
145	0	0	0	1	2	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	0

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50			30			10			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	58	58	58	58	56	56	56	56	54	54	54	51	51	51	49	49	48	48
1	53	51	49	47	52	50	48	46	47	46	45	45	44	43	44	43	42	41
2	49	45	42	39	47	44	41	39	42	40	38	40	38	37	39	37	36	35
3	45	40	36	33	43	39	36	33	37	34	32	36	33	31	35	32	31	30
4	41	35	31	28	40	35	31	28	33	30	27	32	29	27	31	28	26	25
5	37	31	27	24	36	31	27	24	29	26	23	28	25	23	27	25	23	22
6	34	28	24	20	33	27	23	20	26	23	20	25	22	20	25	22	20	19
7	32	25	21	18	31	25	20	18	24	20	17	23	20	17	22	19	17	16
8	29	22	18	15	28	22	18	15	21	18	15	21	17	15	20	17	15	14
9	27	20	16	13	26	20	16	13	19	15	13	18	15	13	18	15	13	12
10	25	18	14	12	24	18	14	11	17	14	11	17	14	11	16	13	11	10

QUICK SELECTION TABLE

Number of 4' luminaires required for initial illumination of 50 footcandles

Luminaire suspension length = 18" Working Plane Height = 30" Floor Reflectance = .20

Room HT	8				9				10				12				
Ceil RF	80		70		80		70		80		70		80		70		
Wall RF	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30	
Width	Length																
10.	10.	3	3	3	3	3	3	3	4	3	4	4	4	3	4	4	5
10.	15.	3	4	4	4	4	4	4	5	4	5	5	5	4	5	6	7
15.	20.	6	6	7	7	6	7	7	8	7	7	8	8	7	8	9	10
15.	30.	8	9	9	10	9	10	10	11	9	10	10	11	10	11	12	13
20.	20.	8	8	8	9	8	9	9	10	8	9	9	10	9	10	10	12
20.	30.	11	12	12	12	11	12	12	13	12	13	13	14	12	14	14	16
20.	40.	14	15	15	16	15	16	16	17	15	16	17	18	16	18	18	20
20.	60.	21	22	22	23	21	23	23	24	22	24	24	26	23	25	26	28
30.	30.	16	16	17	17	16	17	17	18	16	18	18	19	17	19	20	21
30.	40.	20	21	22	23	21	22	22	24	21	23	23	25	22	24	25	27
30.	50.	25	26	27	28	26	27	28	29	26	28	28	30	27	30	30	33
30.	60.	30	31	32	33	30	32	33	34	31	33	34	35	32	35	36	38
60.	60.	57	59	60	62	58	60	62	63	59	61	63	65	61	64	65	68
60.	80.	76	77	79	81	77	79	81	83	78	80	82	85	79	83	85	89
60.	100.	94	96	98	100	95	98	100	102								