

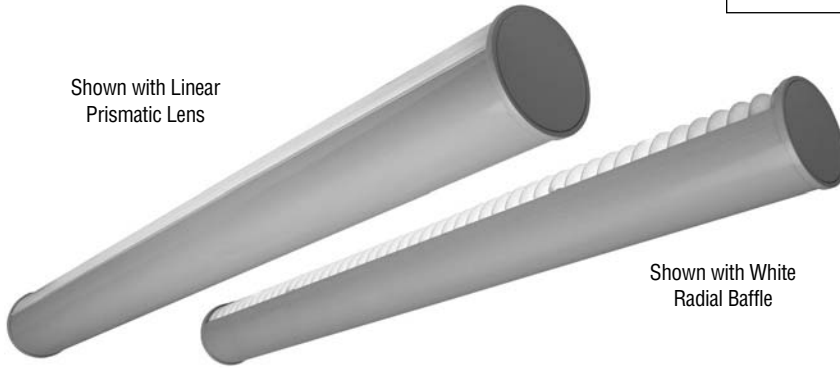
Round Series

Catalog Number

Type

Project Name

Shown with Linear Prismatic Lens



Shown with White Radial Baffle

AR402 • AR404

4½" Round Indirect
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
- (BW) One-piece white aluminum radial baffle
- (OP) Open

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

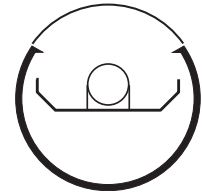
All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting is optional.

Controls

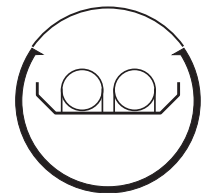
Contact factory for control by Occupancy Sensors, Photo Controls and Daylight Harvesting.

Certification

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



AR402



AR404

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)
W = Wall
T = Telescoping End

Series
AR402
AR404

AR404-12-CN-BW-F01M-V-T8-[]

Optical Controls

LP
Linear Prismatic Lens

WD
Wide Distribution Lens (AR402 Only)

BW
White Radial Baffle

OP
Open

Standard Finishes

F01M Matte White
F01G Gloss White
Premium Finishes

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

Voltage

120
277
347

Lamp Type

T8
T5
T5HO

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".



AR402

4 1/2" Round Indirect

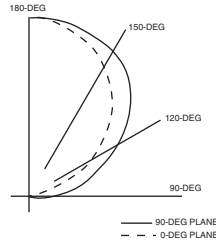
Linear Prismatic Lens

Catalog Number: AR402-4-X-LP-F01-120-T12

Report Number: LTL #00588.ies

Luminaire Description: Extruded Aluminum Housing, White Enamel Reflector

Lamps: One F40T12/CW rated at 3150 lumens



CANDELA DISTRIBUTION LUMENS

	0.0	22.5	45.0	67.5	90.0
0	0	0	0	0	0
5	0	0	0	0	0
15	0	0	0	0	0
25	0	0	0	0	0
35	0	0	0	0	0
45	0	0	1	2	2
55	0	1	3	5	5
65	0	2	6	9	10
75	0	3	14	19	20
85	0	11	37	44	45
90	1	21	54	65	67
95	6	35	76	88	91
105	46	79	132	150	154
115	137	156	207	230	236
125	241	256	291	318	324
135	331	344	373	396	403
145	402	414	436	456	462
155	457	466	478	490	496
165	494	500	505	511	514
175	514	516	517	519	520
180	518	518	518	518	518

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	51	51	51	51	44	44	44	44	30	30	30	18	18	18	7	7	7	2
1	46	43	41	39	39	37	36	34	26	25	24	15	15	14	5	5	5	1
2	41	38	35	32	35	32	30	28	22	21	19	13	12	12	5	4	4	0
3	38	33	29	26	32	28	25	23	20	18	16	12	10	10	4	4	3	0
4	34	29	25	22	29	25	22	19	17	15	14	10	9	8	4	3	3	0
5	31	26	22	19	27	22	19	16	15	13	12	9	8	7	3	3	2	0
6	29	23	19	16	25	20	16	14	14	12	10	8	7	6	3	2	2	0
7	27	20	17	14	23	18	14	12	12	10	9	7	6	5	3	2	2	0
8	24	18	15	12	21	16	13	10	11	9	7	5	4	3	2	2	1	0
9	23	17	13	11	19	14	11	9	10	8	7	5	4	3	2	1	1	0
10	21	15	12	9	18	13	10	8	9	7	6	5	4	3	2	1	1	0

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.	5	6	7	8	6	7	8	9	6	7	9	10	7	9	10	13
10.	15.	7	8	9	10	8	9	10	12	8	10	11	13	9	12	13	16
15.	20.	12	14	16	17	13	15	17	19	14	16	18	21	15	18	21	25
15.	30.	18	19	23	24	19	21	24	26	19	22	26	29	21	25	29	33
20.	20.	16	17	20	22	17	18	21	24	17	20	23	26	19	22	26	30
20.	30.	23	25	29	31	24	26	30	33	25	27	32	35	27	31	35	40
20.	40.	30	32	37	39	31	34	39	42	32	35	41	45	34	39	45	51
20.	60.	43	46	54	57	45	49	57	61	46	51	59	64	49	56	65	72
30.	30.	33	35	41	43	34	37	43	46	35	38	45	48	37	42	49	54
30.	40.	43	45	53	55	44	47	55	58	45	49	57	61	48	53	62	68
30.	50.	53	56	65	68	54	58	67	71	56	60	70	75	59	65	75	82
30.	60.	63	66	77	81	64	69	80	84	66	71	83	88	69	76	89	96
60.	60.	121	125	146	150	123	129	150	155	125	132	154	161	129	138	161	170
60.	80.	160	164	191	196	162	168	196	202	165	172	201	209	170	180	209	220
60.	100.	199	204	237	243	201	208	242	249	204	213	248	256	210	222	258	271
100.	100.	326	333	387	393	330	338	393	401	333	343	399	410	340	354	412	427

AR404

4 1/2" Round Indirect (T8 Lamps)

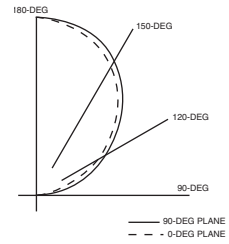
Linear Prismatic Lens

Catalog Number: AR404-4-X-LP-F01-120-T8

Report Number: LTL #00594.ies

Luminaire Description: Extruded Aluminum Housing, White Enamel Reflector

Lamps: Two F032T8/CW rated at 2900 lumens each



CANDELA DISTRIBUTION LUMENS

	0.0	22.5	45.0	67.5	90.0
0	0	0	0	0	0
5	0	0	0	0	0
15	0	0	0	0	0
25	0	0	0	0	0
35	0	0	0	1	1
45	0	0	2	3	3
55	0	1	4	5	6
65	0	3	6	11	12
75	0	3	17	23	24
85	0	18	47	48	47
90	1	34	74	72	70
95	10	58	108	109	105
105	82	137	200	202	200
115	251	274	334	339	336
125	449	456	486	504	503
135	621	631	651	662	665
145	761	775	786	798	800
155	867	879	888	888	898
165	939	949	954	964	966
175	978	983	986	989	990
180	987	987	987	987	987

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	47	47	47	47	40	40	40	40	28	28	28	16	16	16	6	6	6	1
1	42	40	38	37	36	35	33	32	24	23	22	14	13	13	5	5	5	0
2	38	35	32	30	33	30	28	26	21	19	18	12	11	11	4	4	4	0
3	35	31	27	25	30	26	24	21	18	16	15	11	10	9	4	3	3	0
4	32	27	23	21	27	23	20	18	16	14	13	9	8	8	3	3	3	0
5	29	24	20	17	25	21	18	15	14	12	11	8	7	6	3	2	2	0
6	27	21	18	15	23	18	15	13	13	11	9	7	6	6	3	2	2	0
7	25	19	15	13	21	16	13	11	11	9	8	7	6	5	2	2	2	0
8	23	17	14	11	19	15	12	10	10	8	7	6	5	4	2	2	1	0
9	21	16	12	10	18	13	11	9	9	7	6	6	4	4	2	2	1	0
10	20	14	11	9	17	12	9	8	9	7	5	5	4	3	2	1	1	0

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	4	4	5	3	4	5	5	4	5	5	6	4	6	6	8
10.	15.	4	5	6	6	5	5	6	7	5	6	7	8	6	7	8	10
15.	20.	7	8	9	10	8	9	10	11	8	9	11	12	8	9	11	13
15.	30.	11	12	13	14	11	12	14	16	12	13	15	17	13	15	17	20
20.	20.	9	10	12	13	10	11	13	14	10	12	14	15	11	13	15	18
20.	30.	14	15	17	18	14	15	18	19	15	16	19	21	16	18	21	24
20.	40.	18	19	22	23	18	20	23	25	19	21	24	26	20	23	27	30
20.	60.	26	27	32	34	27	29	33	36	27	30	35	38	29	33	38	42
30.	30.	19	21	24	25	20	22	25	27	21	23	26	28	22	25	29	32
30.	40.	25	27	31	33	26	28	32	34	27	29	34	36	28	31	36	40
30.	50.	31	33	38	40	32	34	40	42	33	35	41	44	35	38	44	48
30.	60.	37	39	45	47	38	40	47	49	39	42	49	52	41	45	52	56
60.	60.	71	74	86	88	72	75	88	91	74	78	90	94	76	81	94	100
60.	80.	94	97	113	115	95	99	115	119	97	101	118	122	100	105	123	129
60.	100.	117	120	140	143	118	122	142	146	120	125	145	150	123	130	151	159
100.	100.	192	195	228	231	194	198	231	236	196	201	235	240	200	208	242	250

