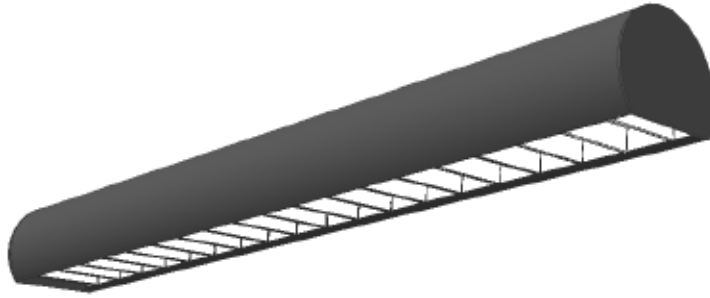


Catalog Number	Type
Project Name	



AR622 • AR623

6³/₄" Round Parabolic Direct (T8 Lamps)

*Cast Connectors are not available for the AR622 and AR623, consult factory for available connector options.

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

Housing

Constructed of one-piece .125" thick extruded aluminum. Standard lengths are available up to 12' long in one section. Provisions may be made for continuous rows of any length. Cast aluminum end plates are secured with no visible fasteners.

Optical Control

Optically designed and precisely contoured parabolic cross baffle/reflector system fabricated from specular aluminum.

Ballast

Standard ballasts for T8 lamps are UL/CUL Listed, Class P, HPF, Electronic, Universal 120/277volt, Instant Start with <10% THD.

Reflectors

Die-formed from .025" specular aluminum.

Finish

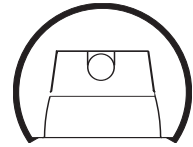
Standard and premium finishes are baked powder coat electrostatically applied (2.0 mil minimum thickness) to assure aesthetics and durability.

Circuitry

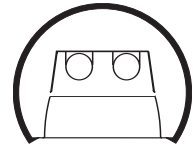
All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting is optional.

Certification

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



AR622



AR623

*Corners, 3-Way "T" and 4-Way "X" connectors are not available for AR622 or AR623.

<p>Standard Lengths: 4', 8', 12'</p>	<p>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</p>	<p>Series AR622 AR623</p>
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AR622-12-CN-PB-F01G-V-T8-[]

<p>Optical Control PB Parabolic Cross Baffle</p>	<p>Standard Finish 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</p>	<p>Voltage 120 277 347</p>	<p>Lamp Type T8 T5*</p>	<p>Options EM Emergency Battery Pack 2Ckt Two Circuit Wiring SS Separate Switching (Common Neutral Utilized) Dim Dimming FS Fused Ballasts</p>
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*For T5/T5HO lamping options contact factory

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



Precision Architectural Lighting

4830 Timber Creek Drive Houston, Texas 77017

Tel (713) 946-4343 Fax (713) 946-4441 www.pal-lighting.com

AR622

6³/₄ " Round Parabolic Direct

Parabolic Cross Baffle

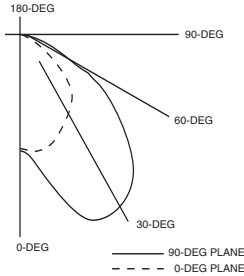
Catalog Number: AR622-4-X-PB-FO1-120-T12

Report Number: LTL #01246.ies

Luminaire Description: Extruded Aluminum Housing, Specular Aluminum Reflector

Lamps: One F40T12/CW rated at 3150 lumens

Spacing Criteria: 0° 90°
1.2 1.9



CANDELA DISTRIBUTION

	LUMENS				
	0.0	22.5	45.0	67.5	90.0
0	476	476	476	476	476
5	477	485	494	501	503
15	461	513	616	687	705
25	395	520	715	793	809
35	354	548	676	743	767
45	260	464	546	582	607
55	51	121	267	353	408
65	8	11	26	96	115
75	2	3	4	7	9
85	0	0	0	0	1
90	1	0	1	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	50	30	10	50	30	10	50	30	10	50	30	10							
0	60	60	60	60	58	58	58	58	56	56	56	53	53	53	51	51	51	50	48	47	46	45	45	45	45	44	44	44								
1	56	54	53	51	55	53	52	51	51	50	49	49	48	48	48	47	46	45	44	43	42	41	40	39	38	37	36	35								
2	53	49	47	45	51	49	46	44	47	45	43	45	44	42	44	43	41	40	39	37	36	35	34	33	32	31	30	29								
3	49	45	42	39	48	44	41	39	43	40	38	41	39	37	40	38	37	36	35	34	33	32	31	30	29	28	27	26								
4	45	40	37	34	44	40	36	34	39	36	33	38	35	33	37	34	33	32	31	30	29	28	27	26	25	24	23	22								
5	42	36	32	30	41	36	32	30	35	32	29	34	31	29	33	31	29	28	27	26	25	24	23	22	21	20	19	18								
6	39	33	29	26	38	32	29	26	31	28	26	31	28	26	30	27	25	24	23	22	21	20	19	18	17	16	15	14								
7	36	29	25	23	35	29	25	23	28	25	22	28	25	22	27	24	22	21	20	19	18	17	16	15	14	13	12	11								
8	33	26	22	20	32	26	22	20	25	22	19	25	22	19	24	21	19	18	17	16	15	14	13	12	11	10	9	8								
9	30	23	19	17	29	23	19	17	23	19	17	22	19	17	22	19	16	16	15	14	13	12	11	10	9	8	7	6								
10	28	21	17	15	27	21	17	15	20	17	15	20	17	15	19	17	14	14	13	12	11	10	9	8	7	6	5	4								

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				Length				Length				Length				
10.	10.	4	4	4	5	4	5	5	5	5	5	5	6	5	7	7	8
10.	15.	5	6	6	7	6	6	7	7	6	7	7	8	7	8	8	10
15.	20.	10	10	11	11	10	11	11	12	11	12	12	13	12	13	13	15
15.	30.	14	15	15	16	15	16	16	17	15	16	17	18	16	18	18	20
20.	20.	13	13	14	14	13	14	14	15	13	15	15	16	15	16	16	18
20.	30.	18	19	19	20	19	20	20	21	19	21	21	22	20	22	23	25
20.	40.	24	25	25	26	24	26	26	28	25	27	27	29	26	29	29	31
20.	60.	35	37	37	39	36	38	38	40	37	39	40	42	39	42	42	45
30.	30.	27	28	28	29	27	28	29	30	28	29	30	31	29	31	32	34
30.	40.	35	36	37	38	35	37	38	39	36	38	39	40	38	40	41	43
30.	50.	43	45	45	47	44	46	47	48	45	47	48	50	46	49	50	53
30.	60.	51	53	54	56	52	54	55	57	53	56	57	59	55	58	59	62
60.	60.	100	102	104	106	101	104	106	108	102	106	108	111	105	109	111	115
60.	80.	133	135	138	140	134	137	140	143	135	139	142	145	138	143	146	150
60.	100.	165	168	172	174	167	170	174	177	168	172	176	180	171	177	180	185
100.	100.	273	276	282	285	274	279	285	288	276	281	287	292	280	287	293	299

AR623

6³/₄ " Round Parabolic Direct

Parabolic Cross Baffle

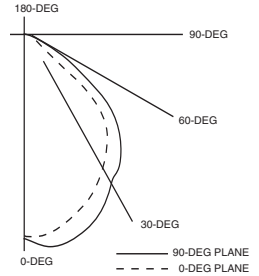
Catalog Number: AR623-4-X-PB-FO1-120-T12

Report Number: LTL #01247.ies

Luminaire Description: Extruded Aluminum Housing, Specular Aluminum Reflector

Lamps: Two F40T12/CW rated at 3150 lumens each

Spacing Criteria: 0° 90°
1.2 1.3



CANDELA DISTRIBUTION

	LUMENS				
	0.0	22.5	45.0	67.5	90.0
0	1184	1184	1184	1184	1184
5	1174	1189	1207	1222	1225
15	1112	1168	1208	1219	1219
25	987	1068	1079	1097	1102
35	844	902	905	929	968
45	626	681	707	743	784
55	106	170	325	396	429
65	13	15	31	102	120
75	5	5	5	8	11
85	1	1	1	1	2
90	0	1	1	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	50	30	10	50	30	10	50	30	10	50	30	10							
0	45	45	45	45	44	44	44	44	42	42	42	40	40	40	39	39	39	38	36	35	34	33	32	31	30	29	28	27								
1	43	41	40	39	42	40	39	39	39	38	37	37	37	36	36	36	35	34	33	32	31	30	29	28	27	26	25	24								
2	40	38	36	34	39	37	35	34	36	34	33	35	34	33	34	33	32	31	30	29	28	27	26	25	24	23	22	21								
3	37	34	32	30	37	34	32	30	33	31	30	32	30	29	31	29	28	27	26	25	24	23	22	21	20	19	18	17								
4	35	31	29	27	34	31	28	27	30	28	26	29	27	26	28	27	26	25	24	23	22	21	20	19	18	17	16	15								
5	32	28	26	24	32	28	25	24	27	25	23	27	25	23	26	24	23	22	21	20	19	18	17	16	15	14	13	12								
6	30	26	23	21	29	26	23	21	25	23	21	24	22	21	24	22	21	20	19	18	17	16	15	14	13	12	11	10								
7	28	23	21	19	27	23	20	19	23	20	18	22	20	18	22	20	18	17	16	15	14	13	12	11	10	9	8	7								
8	26	21	18	16	25	21	18	16	20	18	16	20	18	16	20	18	16	15	14	13	12	11	10	9	8	7	6	5								
9	24	19	16	14	23	19	16	14	18	16	14	18	16	14	18	16	14	13	12	11	10	9	8	7	6	5	4	3								
10	22	17	15	13	22	17	14	13	17	14	13	16	14	13	16	14	13	12	11	10	9	8	7	6	5	4	3	2								

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				Length				Length				Length				
10.	10.	3	3	3	3	3	3	3	4	3	4	4	4	4	4	4	5
10.	15.	4	4	4	4	4	4	4	5	4	5	5	5	5	5	5	6
15.	20.	7	7	7	7	7	7	7	8	7	8	8	8	8	8	9	10
15.	30.	9	10	10	11	10	10	11	11	10	11	11	11	10	11	11	12
20.	20.	8	9	9	9	9	9	9	10	9	10	10	10	10	11	11	12
20.	30.	12	13	13	13	12	13	13	14	13	14	14	15	14	15	15	16
20.	40.	16	17	17	17	16	17	17	18	17	18	18	19	18	19	19	20
20.	60.	23	24	25	25	24	25	25	26	24	26	26	27	25	27	28	29
30.	30.	18	18	19	19	18	19	19	20	18	19	20	21	19	21	21	22
30.	40.	23															