

# Square Series

Catalog Number	Type
Project Name	



## AS605 • AS606 • AS607 • AS608

6 1/2" Square Indirect/Direct  
(T8, T5 or T5HO Lamps)

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

#### Housing

Two-piece .125" 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.

#### Indirect Optical Controls

- (OP) Open
- (DC) Clear acrylic dust cover

#### Direct Optical Controls

- (PB) 3/4" deep semi-specular aluminum parabolic baffle with blades on 1 1/2" centers
- (BW) 3/4" deep white aluminum cross baffle with blades on 1 1/2" centers
- (LP) Clear extruded 100% DR acrylic linear prismatic lens.

#### Reflectors

Indirect - Die-formed from 22 gauge C.R.S. and finished with a high reflectance white enamel.  
Direct - 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

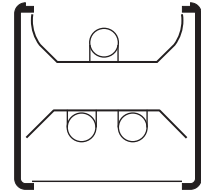
All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting is optional.

#### Controls

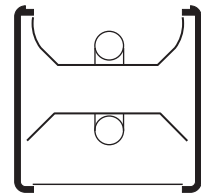
Contact factory for control by Occupancy Sensors, Photo Controls and Daylight Harvesting.

#### Certification

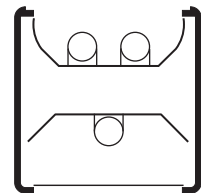
All fixtures are UL/CUL listed for use in 'Dry Applications'. 'Damp Location' is optional.



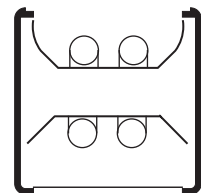
AS605



AS606



AS607



AS608

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 Ends

Series  
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## AS605-12-CN-DC/LP-F01M-V-T8-[]

#### Indirect Optical Controls

- OP  
Open
- DC  
Clear Dust Cover

#### Direct Optical Controls

- PB  
Semi-Specular Parabolic Baffle
- BW  
White Cross Baffle
- LP  
Linear Prismatic Lens

#### 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
- 277
- 347

#### Lamp Type

- T8
- T5
- T5HO

#### Options

- SS-U/L (Upper/Lower) 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

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



# AS605

## 6 1/2" Square Indirect/Direct

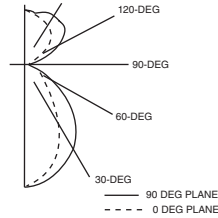
Open - Indirect  
3/4" White Cross Baffle - Direct

Catalog Number: AS605-4-X-OP/BW-F01-120-T12  
Report Number: LTL #00623.ies

Luminaire Description: Extruded Aluminum Housing, White Enamel & Specular Aluminum Reflector Up, White Enamel Reflector Down

Lamps: Three F40T12/CW rated at 3150 lumens each

Spacing Criteria: 0° 90°  
0.9 1.2



CANDELA DISTRIBUTION						LUMENS	
	0.0	22.5	45.0	67.5	90.0		
0	1588	1588	1588	1588	1588		
5	1546	1559	1567	1575	1582	148	
15	1343	1364	1402	1457	1488	397	
25	1058	1086	1162	1283	1353	544	
35	747	781	892	1055	1162	575	
45	446	480	609	795	929	497	
55	298	310	352	526	666	375	
65	187	192	209	281	369	240	
75	99	99	102	117	135	116	
85	22	22	21	22	24	27	
90	3	4	4	4	4		
95	22	41	40	33	31	46	
105	131	216	188	190	189	198	
115	257	357	423	376	364	363	
125	373	465	567	609	617	475	
135	475	539	620	697	721	474	
145	560	585	678	716	732	412	
155	626	635	681	730	748	316	
165	673	677	682	695	702	194	
175	696	697	698	701	702	67	
180	702	702	702	702	702		

### 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	0		
0	62	62	62	62	58	58	58	58	49	49	49	41	41	41	34	34	34	31
1	58	55	53	51	53	51	50	48	44	43	42	37	37	36	31	31	30	27
2	53	49	46	43	49	46	43	41	39	37	36	34	32	31	28	27	26	24
3	49	44	40	37	45	41	37	35	35	33	31	30	29	27	26	24	23	21
4	45	39	35	32	42	37	33	30	32	29	27	27	25	24	23	22	21	19
5	41	35	31	27	38	33	29	26	29	26	23	25	22	21	21	19	18	16
6	38	32	27	24	35	30	26	23	26	23	20	23	20	18	19	17	16	15
7	35	29	24	21	33	27	23	20	24	20	18	20	18	16	18	16	14	13
8	33	26	21	18	30	24	20	18	21	18	16	19	16	14	16	14	13	11
9	30	23	19	16	28	22	18	16	19	16	14	17	14	13	15	13	11	10
10	28	21	17	14	26	20	16	14	18	15	13	15	13	11	13	11	10	9

### 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				
	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30	
Width Length																					
10. 10.	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3					
10. 15.	2	2	3	3	2	3	3	3	2	3	3	3	3	3	3	3	4				
15. 20.	4	4	4	4	4	4	4	5	4	4	5	4	4	5	4	5	6				
15. 30.	5	5	6	6	5	6	6	6	5	6	6	7	6	7	7	8					
20. 20.	4	5	5	5	5	5	5	6	5	5	6	6	5	6	6	7					
20. 30.	6	7	7	8	7	7	8	8	7	7	8	8	7	8	9	9					
20. 40.	8	9	9	10	8	9	10	10	9	9	10	11	9	10	11	12					
20. 60.	12	12	13	14	12	13	14	15	12	13	14	15	13	14	15	17					
30. 30.	9	9	10	11	9	10	10	11	9	10	11	12	10	11	12	13					
30. 40.	12	12	13	14	12	13	14	14	12	13	14	15	13	14	15	16					
30. 50.	14	15	16	17	15	15	17	17	15	16	17	18	16	17	18	19					
30. 60.	17	18	19	20	17	18	20	20	18	19	20	21	18	20	21	23					
60. 60.	33	34	36	37	33	34	37	38	34	35	38	39	34	36	39	41					
60. 80.	43	44	47	48	44	45	48	49	44	46	49	51	45	47	51	53					
60. 100.	54	55	59	60	54	56	60	61	55	56	61	62	56	58	63	65					
100. 100.	88	89	96	97	89	90	97	99	89	91	98	100	91	94	101	104					

# AS608

## 6 1/2" Square Indirect/Direct

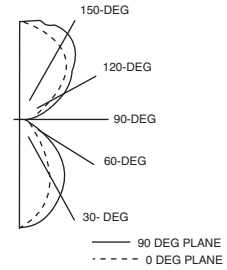
Open - Indirect  
3/4" White Cross Baffle - Direct

Catalog Number: AS608-4-X-OP/BW-F01-120-T12  
Report Number: LTL #00630.ies

Luminaire Description: Extruded Aluminum Housing, White Enamel & Specular Aluminum Reflector Up, White Enamel Reflector Down

Lamps: Four F40T12/CW rated at 3150 lumens each

Spacing Criteria: 0° 90°  
0.9 1.2



CANDELA DISTRIBUTION						LUMENS	
	0.0	22.5	45.0	67.5	90.0		
0	1588	1588	1588	1588	1588		
5	1546	1559	1567	1575	1582	148	
15	1343	1364	1402	1457	1488	397	
25	1058	1086	1162	1283	1353	544	
35	747	781	892	1055	1162	575	
45	446	480	609	795	929	497	
55	298	310	352	526	666	375	
65	187	192	209	281	369	240	
75	99	99	102	117	135	116	
85	22	22	21	22	24	27	
90	3	4	4	4	4		
95	51	64	54	44	44	69	
105	275	313	299	302	302	318	
115	530	612	618	598	589	589	
125	768	864	887	907	910	782	
135	975	1069	1141	1156	1149	854	
145	1148	1216	1293	1339	1360	798	
155	1282	1328	1383	1429	1445	635	
165	1377	1389	1424	1446	1467	402	
175	1425	1425	1425	1431	1439	136	
180	1430	1430	1430	1430	1430		

### 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	0		
0	62	62	62	62	57	57	57	57	46	46	46	36	36	36	27	27	27	23
1	57	55	53	51	52	50	48	47	41	40	39	33	32	31	25	24	24	20
2	52	48	45	42	48	44	41	39	36	34	33	29	28	27	23	22	21	18
3	48	43	39	36	44	39	36	33	33	30	28	26	25	23	20	19	18	16
4	44	38	34	31	40	35	31	29	29	26	24	24	22	20	19	17	16	14
5	41	34	30	26	37	31	27	25	26	23	21	21	19	18	17	15	14	12
6	38	31	26	23	34	28	24	21	24	21	18	19	17	16	15	14	13	11
7	35	28	23	20	32	26	22	19	21	18	16	18	15	14	14	12	11	10
8	32	25	21	18	29	23	19	17	19	16	14	16	14	12	13	11	10	9
9	30	23	18	15	27	21	17	15	18	15	13	14	12	11	11	10	9	8
10	28	21	17	14	25	19	15	13	16	13	11	13	11	10	11	9	8	7

### 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				
	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30	
Width Length																					
10. 10.	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	3				
10. 15.	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2	3	3			
15. 20.	3	3	3	4	3	3	3	4	3	3	4	3	3	4	3	4	4	5			
15. 30.	4	4	5	5	4	4	5	5	4	4	5	4	5	5	5	5	6	6			
20. 20.	4	4	4	4	4	4	4	5	4	4	5	4	4	5	4	5	5	6			
20. 30.	5	5	6	6	5	5	6	6	5	5	6	6	5	6	6	7	7	8			
20. 40.	6	7	7	8	6	7	8	8	6	7	8	8	7	8	8	9	9	9			
20. 60.	9	10	10	11	9	10	11	11	10	10	11	11	10	10	11	12	10	11	12		
30. 30.	7	7																			