

AV900 Series



AV902TR

AV902

Catalog Number	Type
Project Name	

AV902 • AV902TR

9" x 4 1/2" "V" Indirect
(T8, T5 or T5HO Lamps)

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

Housing

One-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 Control

- (OP) Open
- (DC) Clear extruded 100% DR acrylic dust cover

Reflector

Die-formed from .020" thick high reflectance specular aluminum.

Track Provision

Recess will accept any track up to 1 1/2" wide x 15/16" deep. Track and accessories are supplied and installed by others.

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

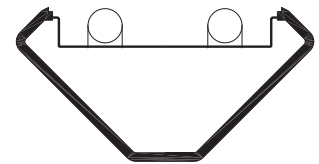
All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting is optional.

Controls

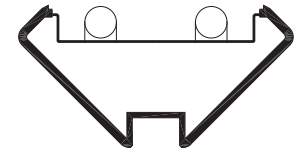
Contact factory for control by Occupancy Sensors, Photo Controls and Daylight Harvesting.

Certification

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



AV902



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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

Series
AV902
AV902TR

AV902-12-CN-DC-F01M-V-T8-[]

Indirect Optical Control
OP
Open
DC
Clear Dust Cover
(N/A for T5HO)

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-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

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



AV902

9" x 4 1/2" "V" Indirect (T8 Lamps)

Open

Catalog Number: AV902-4-X-OP-F01-120-T8

Report Number: LTL #01089.ies

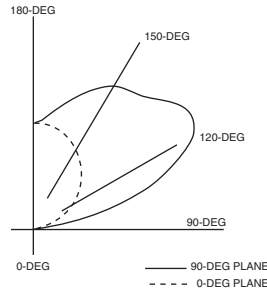
Luminaire Description: Extruded Aluminum Housing, Specular Aluminum Reflector

Lamps: Two F032T8RS rated at 2900 lumens each

Total Luminaire Efficiency = 88.4%

100% Up 0% Down

RP-1 Compliant



	CANDELA DISTRIBUTION					LUMENS
	0.0	22.5	45.0	67.5	90.0	
90	7	25	26	28	28	
95	34	198	207	201	201	205
105	145	571	753	741	743	658
115	286	654	1129	1284	1308	951
125	425	783	1124	1446	1556	970
135	550	851	1125	1335	1431	833
145	657	874	1146	1287	1333	675
155	741	878	1066	1211	1258	481
165	800	858	958	1037	1068	269
175	832	837	853	872	880	83
180	839	839	839	839	839	

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50			30			10			0			
	RW	70	50	30	10	0	RW	70	50	30	10	0	RW	70	50	30	10	0	
0	84	84	84	84	72	72	72	72	49	49	49	28	28	28	9	9	9	0	0
1	77	73	70	67	65	62	60	58	43	41	40	25	24	23	8	8	7	0	0
2	70	64	59	55	59	54	51	47	37	35	33	22	20	19	7	7	6	0	0
3	63	56	50	45	54	48	43	39	33	30	27	19	17	16	6	6	5	0	0
4	58	49	43	38	49	42	37	33	29	26	23	17	15	14	5	5	5	0	0
5	53	43	37	32	45	37	32	28	26	22	20	15	13	12	5	4	4	0	0
6	48	39	32	28	41	33	28	24	23	20	17	13	11	10	4	4	3	0	0
7	45	35	28	24	38	30	24	21	21	17	15	12	10	9	4	3	3	0	0
8	41	31	25	21	35	27	22	18	19	15	13	11	9	8	3	3	3	0	0
9	38	28	22	18	32	24	19	16	17	14	11	10	8	7	3	3	2	0	0
10	35	26	20	16	30	22	17	14	15	12	10	9	7	6	3	2	2	0	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	Ceil RF	Wall RF	8				9				10				12				
			80		70		80		70		80		70		80		70		
			70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30	
Width Length																			
10. 10.			2	2	3	3	2	2	3	3	2	3	3	4	3	3	4	4	4
10. 15.			3	3	3	4	3	3	4	4	3	3	4	5	3	4	5	6	6
15. 20.			4	5	5	6	5	5	6	6	5	5	6	7	5	6	7	8	8
15. 30.			6	7	8	8	6	7	8	9	7	7	9	10	7	8	10	11	11
20. 20.			5	6	7	7	6	6	7	8	6	7	8	9	6	8	9	10	10
20. 30.			8	8	10	10	8	9	10	11	8	9	11	12	9	10	12	13	13
20. 40.			10	11	12	13	10	11	13	14	11	12	14	15	11	13	15	17	17
20. 60.			14	15	18	19	15	16	19	20	15	17	19	21	16	18	21	23	23
30. 30.			11	12	13	14	11	12	14	15	12	13	15	16	12	14	16	18	18
30. 40.			14	15	17	18	15	16	18	19	15	16	19	20	16	17	20	22	22
30. 50.			18	18	21	22	18	19	22	23	18	20	23	24	19	21	25	27	27
30. 60.			21	22	25	26	21	22	26	27	22	23	27	29	23	25	29	31	31
60. 60.			40	41	48	49	40	42	49	51	41	43	50	52	42	45	52	55	55
60. 80.			52	54	63	64	53	55	64	66	54	56	66	68	55	58	68	71	71
60. 100.			65	67	78	79	66	68	79	81	67	69	81	84	69	72	84	88	88
100. 100.			107	109	127	129	108	110	129	131	109	112	131	134	111	115	135	139	139

AV902TR

9" x 4 1/2" "V" Indirect with Track Provision (T8 Lamps)

Open

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Report Number: LTL #01089.ies

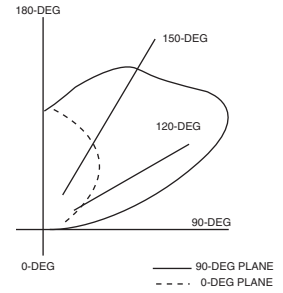
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0	84	84	84	84	72	72	72	72	49	49	49	28	28	28	9	9	9	0	0
1	77	73	70	67	65	62	60	58	43	41	40	25	24	23	8	8	7	0	0
2	70	64	59	55	59	54	51	47	37	35	33	22	20	19	7	7	6	0	0
3	63	56	50	45	54	48	43	39	33	30	27	19	17	16	6	6	5	0	0
4	58	49	43	38	49	42	37	33	29	26	23	17	15	14	5	5	5	0	0
5	53	43	37	32	45	37	32	28	26	22	20	15	13	12	5	4	4	0	0
6	48	39	32	28	41	33	28	24	23	20	17	13	11	10	4	4	3	0	0
7	45	35	28	24	38	30	24	21	21	17	15	12	10	9	4	3	3	0	0
8	41	31	25	21	35	27	22	18	19	15	13	11	9	8	3	3	3	0	0
9	38	28	22	18	32	24	19	16	17	14	11	10	8	7	3	3	2	0	0
10	35	26	20	16	30	22	17	14	15	12	10	9	7	6	3	2	2	0	0

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

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

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			80		70		80		70		80		70		80		70		
			70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30	
Width Length																			
10. 10.			2	2	3	3	2	2	3	3	2	3	3	4	3	3	4	4	4
10. 15.			3	3	3	4	3	3	4	4	3	3	4	5	3	4	5	6	6
15. 20.			4	5	5	6	5	5	6	6	5	5	6	7	5	6	7	8	8
15. 30.			6	7	8	8	6	7	8	9	7	7	9	10	7	8	10	11	11
20. 20.			5	6	7	7	6	6	7	8	6	7	8	9	6	8	9	10	10
20. 30.			8	8	10	10	8	9	10	11	8	9	10	11	9	10	12	13	13
20. 40.			10	11	12	13	10	11	13	14	11	12	14	15	11	13	15	17	17
20. 60.			14	15	18	19	15	16	19	20	15	17	19	21	16	18	21	23	23
30. 30.			11	12	13	14	11	12	14	15	12	13	15	16	12	14	16	18	18
30. 40.			14	15	17	18	15	16	18	19	15	16	19	20	16	17	20	22	22
30. 50.			18	18	21	22	18	19	22	23	18	20	23	24	19	21	25	27	27
30. 60.			21	22	25	26	21	22	26	27	22	23	27	29	23	25	29	31	31
60. 60.			40	41	48	49	40	42	49	51	41	43	50	52	42	45	52	55	55
60. 80.			52	54	63	64	53	55	64	66	54	56	66	68	55	58	68	71	71
60. 100.			65	67	78	79	66	68	79	81	67	69	81	84	69	72	84	88	88
100. 100.			107	109	127	129	108	110	129	131	109	112	131	134	111	115	135	139	139

