

AV900 Series

Catalog Number	Type
Project Name	



AV903 • AV903TR

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

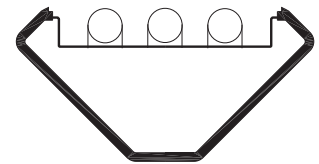
All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting is optional.

Controls

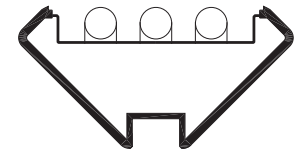
Contact factory for control by Occupancy Sensors, Photo Controls and Daylight Harvesting.

Certification

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



AV903



AV903TR

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
AV903
AV903TR

AV903-12-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 T8
- 277 T5
- 347 T5HO

Lamp Type

- T8
- T5
- T5HO

Options

- SS-I/O (Inboard/Outboard) 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".



AV903

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

Open

Catalog Number: AV903-4-X-OP-F01-120-T8

Report Number: LTL #01090.ies

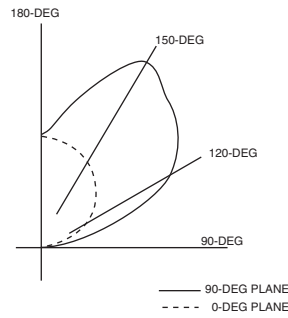
Luminaire Description: Extruded Aluminum Housing,
Specular Aluminum Reflector

Lamps: Three F032T8/RS rated at 2900
lumens each

Total Luminaire Efficiency = 82.9%

100% Up 0% Down

RP-1 Compliant



	CANDELA DISTRIBUTION					LUMENS
	0.0	22.5	45.0	67.5	90.0	
90	7	20	19	18	19	
95	53	181	186	183	181	193
105	247	666	732	709	700	681
115	480	1051	1245	1305	1311	1112
125	706	1389	1600	1737	1767	1330
135	909	1490	1888	1988	2036	1320
145	1079	1512	2019	2206	2232	1155
155	1212	1494	1850	2117	2207	830
165	1307	1435	1633	1782	1833	457
175	1355	1375	1410	1449	1462	137
180	1369	1369	1369	1369	1369	

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30				10				0					
	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
0	79	79	79	79	68	68	68	68	46	46	46	26	26	26	8	8	8	8	8	8	0	0	0	0	0	0
1	72	68	65	63	61	59	56	54	40	39	37	23	22	22	7	7	7	7	7	7	0	0	0	0	0	0
2	65	60	55	51	56	51	47	44	35	33	31	20	19	18	6	6	6	6	6	6	0	0	0	0	0	0
3	59	52	47	42	51	45	40	37	31	28	26	18	16	15	6	5	5	5	5	5	0	0	0	0	0	0
4	54	46	40	36	46	40	35	31	27	24	22	16	14	13	5	5	4	4	4	4	0	0	0	0	0	0
5	50	41	35	30	42	35	30	26	24	21	19	14	12	11	5	4	4	4	4	4	0	0	0	0	0	0
6	45	36	30	26	39	31	26	22	22	18	16	13	11	9	4	4	3	3	3	3	0	0	0	0	0	0
7	42	33	27	22	36	28	23	19	19	16	14	11	9	8	4	3	3	3	3	3	0	0	0	0	0	0
8	39	29	23	19	33	25	20	17	17	14	12	10	8	7	3	3	2	2	2	2	0	0	0	0	0	0
9	36	26	21	17	30	23	18	15	16	13	11	9	8	6	3	2	2	2	2	2	0	0	0	0	0	0
10	33	24	19	15	28	21	16	13	14	11	9	8	7	6	3	2	2	2	2	2	0	0	0	0	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	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
10.	15.		2	2	3	3	2	2	3	3	2	3	3	3	3	3	3	3	4
15.	20.		3	4	4	4	3	4	4	5	4	4	5	5	4	5	5	6	6
15.	30.		4	5	6	6	5	5	6	6	5	5	6	7	5	6	7	8	8
20.	20.		4	4	5	5	4	5	5	6	4	5	6	6	5	5	6	7	7
20.	30.		6	6	7	7	6	6	7	8	6	7	8	8	6	7	8	9	9
20.	40.		7	8	9	9	7	8	9	10	8	8	10	11	8	9	11	12	12
20.	60.		10	11	13	13	11	12	13	14	11	12	14	15	12	13	15	17	17
30.	30.		8	8	10	10	8	9	10	11	8	9	11	11	9	10	12	13	13
30.	40.		10	11	13	13	11	11	13	14	11	12	14	14	11	13	15	16	16
30.	50.		13	13	15	16	13	14	16	17	13	14	16	17	14	15	18	19	19
30.	60.		15	16	18	19	15	16	19	20	16	17	19	20	16	18	21	22	22
60.	60.		28	29	34	35	29	30	35	36	29	31	36	37	30	32	37	39	39
60.	80.		37	38	45	46	38	39	46	47	38	40	47	48	40	42	49	51	51
60.	100.		46	47	55	57	47	48	57	58	48	49	58	59	49	51	60	63	63
100.	100.		76	77	90	92	77	78	92	93	77	80	93	95	79	82	96	99	99

AV903TR

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

Open

Catalog Number: AV903TR-4-X-OP-F01-120-T8

Report Number: LTL #01090.ies

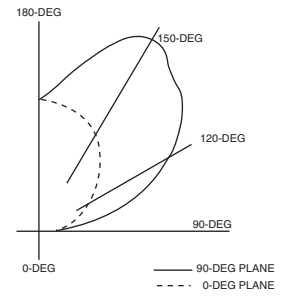
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0	79	79	79	79	68	68	68	68	46	46	46	26	26	26	8	8	8	8	8	8	0	0	0	0	0	0
1	72	68	65	63	61	59	56	54	40	39	37	23	22	22	7	7	7	7	7	7	0	0	0	0	0	0
2	65	60	55	51	56	51	47	44	35	33	31	20	19	18	6	6	6	6	6	6	0	0	0	0	0	0
3	59	52	47	42	51	45	40	37	31	28	26	18	16	15	6	5	5	5	5	5	0	0	0	0	0	0
4	54	46	40	36	46	40	35	31	27	24	22	16	14	13	5	5	4	4	4	4	0	0	0	0	0	0
5	50	41	35	30	42	35	30	26	24	21	19	14	12	11	5	4	4	4	4	4	0	0	0	0	0	0
6	45	36	30	26	39	31	26	22	22	18	16	13	11	9	4	4	3	3	3	3	0	0	0	0	0	0
7	42	33	27	22	36	28	23	19	19	16	14	11	9	8	4	3	3	3	3	3	0	0	0	0	0	0
8	39	29	23	19	33	25	20	17	17	14	12	10	8	7	3	3	2	2	2	2	0	0	0	0	0	0
9	36	26	21	17	30	23	18	15	16	13	11	9	8	6	3	2	2	2	2	2	0	0	0	0	0	0
10	33	24	19	15	28	21	16	13	14	11	9	8	7	6	3	2	2	2	2	2	0	0	0	0	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

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	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
10.	15.		2	2	3	3	2	2	3	3	2	3	3	3	3	3	3	4	4
15.	20.		3	4	4	4	3	4	4	5	4	4	5	5	4	5	5	6	6
15.	30.		4	5	6	6	5	5	6	6	5	5	6	7	5	6	7	8	8
20.	20.		4	4	5	5	4	5	5	6	4	5	6	6	5	5	6	7	7
20.	30.		6	6	7	7	6	6	7	8	6	7	8	8	6	7	8	9	9
20.	40.		7	8	9	9	7	8	9	10	8	8	10	11	8	9	11	12	12
20.	60.		10	11	13	13	11	12	13	14	11	12	14	15	12	13	15	17	17
30.	30.		8	8	10	10	8	9	10	11	8	9	11	11	9	10	12	13	13
30.	40.		10	11	13	13	11	11	13	14	11	12	14	14	11	13	15	16	16
30.	50.		13	13	15	16	13	14	16	17	13	14	16	17	14	15	18	19	19
30.	60.		15	16</															