

Suspended Indirect Luminaire 1, 2, 3, or 4 Lamp T5 or T8

APPLICATION

- Suspended indirect luminaire with architectural detail.
- Solid housing for indirect only photometric distribution.
- Available in 1, 2, 3, or 4 lamp indirect models.
- Available in 4', 8', and 12' modules for individual or continuous row applications.
- Ideal for educational, office or commercial applications.
- Designed to be mounted with cable hangers (RACH series, see spec. sheet 0913-AR), available for a wide variety of ceiling types and mounting applications.
- Ordering is specified by row configuration. A single catalog number specifies a complete row including hangers.

CONSTRUCTION/FINISH

- Housing constructed from die formed cold-rolled steel.
- Housing has baked matte white enamel finish.
- Center lamps are situated diagonally for even illumination and hanger clearance.
- Internal aligners require no visible joiner plates for a cleaner appearance.
- Rugged die-cast aluminum end caps are securely attached with threaded stems and nuts.
- Luminaires have 48" (4' luminaires), 96" (8' luminaires) and 144" (12' luminaires) mounting centers.

ELECTRICAL

- Certified to UL standards.
- T5/T8 lamps and energy saving electronic ballast standard.
- Self-contained emergency battery pack providing 600-700 lumens during emergency mode can be incorporated.
- Row mount units include pre-wired branch wiring with quick-connect plugs.
- Branch wiring available in 1 circuit, 2 circuit, 1 circuit plus emergency, 2 circuit plus emergency, and 1 circuit dimming.

CATALOG NUMBER

RO	S	S				-		-		-				-	
FAMILY RO - Rubato	LIGHT DISTRIBUTION S - Indirect only (solid)	NO. OF LAMPS PER CROSS SECTION (not included) 1 2 3 4	RUN LENGTH 4 - 4' 8 - 8' 12 - 12' Multiples of 4' (16, 20, 24, etc.)	MAXIMUM SUSPENSION DISTANCE 24 - 24" 48 - 48" 96 - 96" 24" min.	CEILING MOUNT M1 - Support connection at ceiling* M2 - Support connection above ceiling* M3 - Support connection to structure* M5 - Support connection to T-bar* M6 - Non-Seismic Support connection to T-bar*	TYPE S - Suspended	WIRING 1C - 1 Circuit 2C - 2 Circuit 3C - 3 Circuit 1D - 1 Circuit Dimming 1E - 1 Circuit + Emergency 2E - 2 Circuit + Emergency	LAMP TYPE/WATTAGE 32 - 32wT8 (48") 28 - 28wT5 (46") 54HO - 54wT5HO (46")	VOLTAGE 120 277 347 UNV - Universal voltage, 120-277 volt	POWER CORD CC - Aircraft cable w/coiled cord SC - Aircraft cable w/straight cord	OPTIONS 1E7 - One emergency ballast (635 lumens) 2E7 - Two emergency ballasts (635 lumens) CM - Canadian Market DC - Dust cover(s) GLR - Fusing LPT735 - Lamps installed, 70+ CRI 3500K				

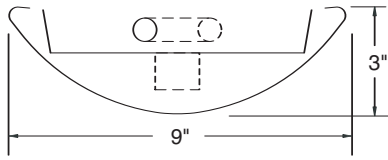
NOTES:

*See spec sheet 0913-AR for more information.

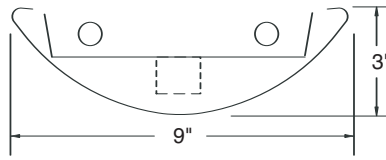
JOB INFORMATION

0909.1-AR

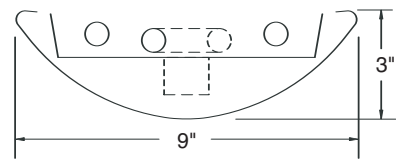
DIMENSIONS



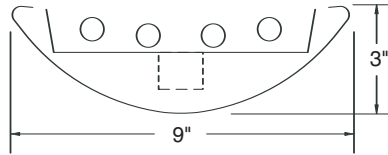
1 LAMP



2 LAMP

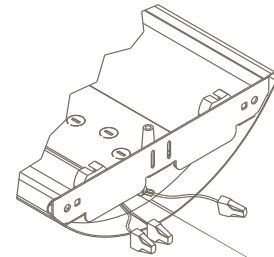


3 LAMP



4 LAMP

Row mounted units are factory pre-wired with quick-connect plugs for quick and simple row installations.



48" (1219mm)
96" (2438mm)
144" (3658mm)

PHOTOMETRIC DATA

CATALOG # ROSS1C232-4
TEST # 24996U

LAMPS = F32 T8

INPUT WATTS = 61

LER = 74

BALLAST = ELECTRONIC

BALLAST FACTOR = .88

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = **\$3.24** BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY = 90.4%

CANDLEPOWER			
Angle	End	45	Cross
0	0	0	0
5	0	0	0
15	0	0	0
25	0	0	0
35	0	0	0
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0
95	56	179	178
105	261	621	701
115	493	823	943
125	719	1007	1102
135	919	1157	1245
145	1089	1249	1336
155	1237	1313	1374
165	1314	1340	1355
175	1359	1353	1347

LIGHT DISTRIBUTION			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	0	0.0	0.0
90-120	1553	27.2	30.1
90-130	2415	42.4	46.9
90-150	4047	71.0	78.5
90-180	5154	90.4	100.0

PHOTOMETRIC DATA

CATALOG # ROSS1C254HO-4
TEST #25028U

LAMPS = F54 T5HO **INPUT WATTS =** 101
BALLAST = ELECTRONIC **BALLAST FACTOR =** 1.00

LER = 75

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = **\$3.20** BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 85.5%

CANDLEPOWER			
Angle	End	45	Cross
0	0	0	0
5	0	0	0
15	0	0	0
25	0	0	0
35	0	0	0
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0
95	70	317	285
105	358	910	959
115	690	1233	1384
125	1008	1472	1626
135	1287	1669	1800
145	1519	1798	1899
155	1709	1877	1931
165	1833	1932	1930
175	1896	1952	1916

LIGHT DISTRIBUTION			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-90	0	0.0	0.0
90-120	2320	26.4	30.8
90-130	3589	40.8	47.7
90-150	5944	67.5	79.0
90-180	7528	85.5	100.0

PHOTOMETRIC DATA

CATALOG # ROSSMW1C354-4
TEST #26617U

LAMPS = F54 T5HO **INPUT WATTS =** 151
BALLAST = ELECTRONIC **BALLAST FACTOR =** 1.00

LER = 66

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = **\$3.64** BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 75.1%

CANDLEPOWER			
Angle	End	45	Cross
0	0	0	0
5	0	0	0
15	0	0	0
25	0	0	0
35	0	0	0
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0
95	75	251	197
105	442	1046	1110
115	923	1651	1800
125	1382	2001	2240
135	1782	2246	2468
145	2121	2417	2586
155	2388	2534	2623
165	2563	2613	2623
175	2655	2649	2607

LIGHT DISTRIBUTION			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	0	0.0	0.0
90-120	2805	21.3	28.3
90-130	4537	34.4	45.8
90-150	7749	58.7	78.2
90-180	9912	75.1	100.0

PHOTOMETRIC DATA

CATALOG # ROSS1C432-4
TEST #24995U

LAMPS = F32 T8 **INPUT WATTS =** 117
BALLAST = ELECTRONIC **BALLAST FACTOR =** .88

LER = 70

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = **\$3.43** BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 81.6%

CANDLEPOWER			
Angle	End	45	Cross
0	0	0	0
5	0	0	0
15	0	0	0
25	0	0	0
35	0	0	0
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0
95	119	173	164
105	556	752	738
115	1035	1349	1361
125	1489	1840	1901
135	1898	2217	2320
145	2243	2469	2601
155	2517	2632	2741
165	2700	2734	2778
175	2793	2776	2785

LIGHT DISTRIBUTION			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	0	0.0	0.0
90-120	2256	19.8	24.3
90-130	3848	33.8	41.4
90-150	7051	61.8	75.8
90-180	9304	81.6	100.0

PHOTOMETRIC DATA

CATALOG # ROSS1C454HO-4
TEST #25027U

LAMPS = F54HO T5 **INPUT WATTS =** 194
BALLAST = ELECTRONIC **BALLAST FACTOR =** 1.00

LER = 57

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = **\$4.21** BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 62.7%

CANDLEPOWER			
Angle	End	45	Cross
0	0	0	0
5	0	0	0
15	0	0	0
25	0	0	0
35	0	0	0
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0
95	117	255	234
105	573	1105	1134
115	1088	1784	1995
125	1580	2261	2582
135	2017	2543	2933
145	2392	2728	3081
155	2688	2854	3113
165	2881	2942	3103
175	2981	2977	3085

LIGHT DISTRIBUTION			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-90	0	0.0	0.0
90-120	3027	17.2	27.4
90-130	4962	28.2	45.0
90-150	8595	48.8	77.9
90-180	11038	62.7	100.0