

Shower Lights: UL Wet Label Polycarbonate Lens and Trim

Features

Lamp

- Designed for:
 - 1 vertical Triple Tube 26 watt RR90635.
 - 2 horizontal Quad 13 watt RR90636.
- 4 pin GX24q-3 base: RR90635.
- 2 pin GX23 base: RR90636.
- RR90635: 90% lumen output, minimum ballast minimum temperature.
- See Option -FS for full wattage.

Ballast

- RR90635: Regulating electronic ballast, power factor, thermally protected, enclosed, -10°C (13°F) rated, RCR2, THD is less than 1%.
- RR90636: Thermally protected, enclosed, capped high power factor, enclosed, wiring. Optional two-wire ballast (See -84) Electronic ballast (See -96)
- 120V only, for see option -FS
- Dimmer optional. (See -84)
- Visible and easily serviced in all ceilings.

Case

- Available as Option -FS (single) or -FD (double - RR90636 only).

Reflector

- Specular Alzak® aluminum.

Trim Assembly

- Electrically non-conducting, no contact design.
- Double gasketed.

- Rustproof.
- Radial polycarbonate lens with white molded polycarbonate lining.
- Optional convex opal polycarbonate lens (Option -CV).

Housing

- Anodized aluminum.
- Cooling dissipates heat across the area. Ventilated.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Insured and serviced through the assembly.
- Prewired on 600V (100V NEC) galvanized steel, accessible through fixture opening in plaster frame.

Installation

- 27" hanger (2).
- Fully adjustable universal mounting (2).
- Accesses independent of covered locations.

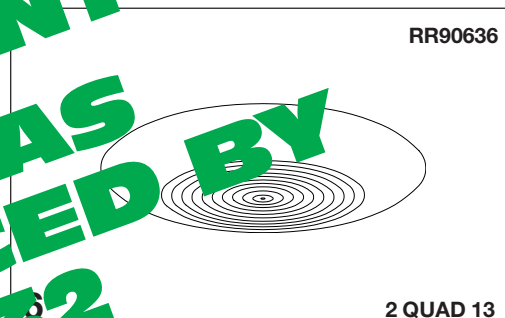
UL Listing (Class) Listing

- Wet or dry locations, wet or ceilings.
- Through raceway conduit conductors (6 #12).
- Complete standard fixture.



1 Triple 26

"Dead Front" Shower Light
82 CRI

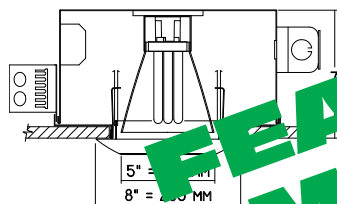


2 QUAD 13

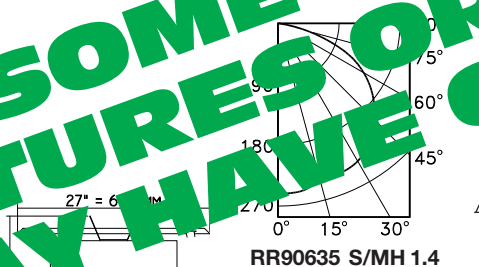
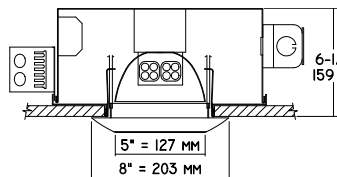
Streamlined Depth
from Moisture

Performance at a Glance

RR90635



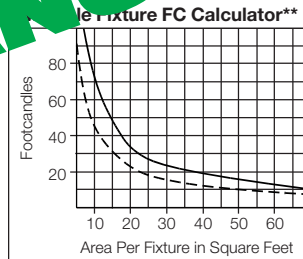
RR90636



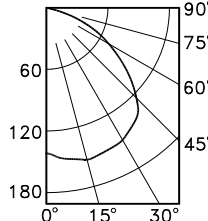
RR90635 S/MH 1.4

Ft.	FC	Dia.
6	7.1	7.8
8	4.0	10.3
10	2.5	12.9
12	1.8	15.5
14	1.3	18.1
16	1.0	20.7

RR90635



RR90635 ——— RR90636 - - - -



RR90636 S/MH 1.5

Ft.	FC	Dia.
6	4.0	7.8
8	2.3	10.4
10	1.4	13.0
12	1.0	15.7
14	0.7	18.3
16	0.6	20.9

RR90636

Cone of Light Key

- Ft. Distance from fixture
- FC Footcandles (average)
- Dia. Circle of light at 50% of FC

* Dia. (in ft.) shown is where FC value is half the FC at nadir.
** Based on RCR2; ceiling 70%; wall 50%; floor 20%. Use S/MH shown for each fixture.

Distribution curve and S/MH data shown for RR90636 are 90° to lamp axis.

THE KIRLIN COMPANY

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CENTURY SERIES
ARCHITECTURAL
COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE

1 Triple 26
2 Quad 13

CATALOG NUMBERS

RR90635
RR90636

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Alzak® is a registered trademark of ALCOA.

RR90635

RR90636

RECESSED ROUND: TRIPLE 26 and QUAD 13 WATT COMPACT FLUORESCENT

KIRLIN

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO)

RR90635: TEST NUMBER 43396

RR90635-76: TEST NUMBER 44923

RR90635-CV: TEST NUMBER 43396

RR90636: TEST NUMBER 43396

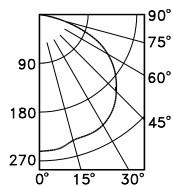
RR90636-76: TEST NUMBER 43396

RR90636-CV: TEST NUMBER 43396

RR90635

*LER = 27.2

•AEC = \$8.83



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	254	254	254	254	254
5	255	255	255	255	255
15	249	249	249	249	249
25	244	244	244	244	244
35	230	230	230	230	230
45	203	203	203	203	203
55	167	167	167	167	167
65	115	115	115	115	115
75	58	58	58	58	58
85	10	10	10	10	10
90	0	0	0	0	0

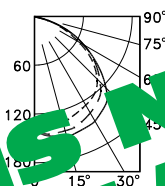
COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	51	49	47	45	46
2	46	42	39	36	40
3	42	37	33	30	35
4	38	32	28	25	31
5	35	29	25	21	27
6	32	26	22	18	24
7	30	23	19	15	21
8	28	21	17	13	19
9	26	19	15	11	17
10	24	17	13	9	15

EFFICIENCY = 47.0%

RR90636

*LER = 10.5

•AEC = \$22.85



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	145	145	145	145	145
5	145	145	145	145	145
15	138	138	138	138	138
25	122	122	122	122	122
35	107	107	107	107	107
45	92	92	92	92	92
55	77	77	77	77	77
65	62	62	62	62	62
75	47	47	47	47	47
85	32	32	32	32	32
90	17	17	17	17	17

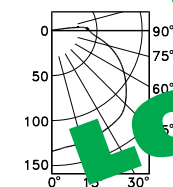
COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	29	28	27	26	26
2	27	24	23	21	23
3	24	21	19	18	20
4	22	19	17	15	18
5	20	17	15	13	16
6	18	15	13	11	14
7	16	13	11	9	12
8	14	11	9	7	10
9	12	9	7	5	8
10	10	8	6	4	7

EFFICIENCY = 27.0%

RR90635-76

*LER = 18.7

•AEC = \$8.84



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	129	129	129	129	129
5	128	128	128	128	128
15	126	126	126	126	126
25	121	121	121	121	121
35	112	112	112	112	112
45	98	98	98	98	98
55	84	84	84	84	84
65	69	69	69	69	69
75	54	54	54	54	54
85	39	39	39	39	39
90	24	24	24	24	24

COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	33	31	29	27	28
2	27	25	23	21	23
3	23	21	19	17	19
4	20	18	16	14	16
5	18	16	14	12	14
6	16	14	12	10	12
7	14	12	10	8	10
8	12	10	8	6	8
9	10	8	6	4	6
10	8	6	4	2	4

EFFICIENCY = 19.7%

RR90636-76

*LER = 7.7

•AEC = \$31.31



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	72	72	72	72	72
5	71	71	71	71	71
15	70	70	70	70	70
25	69	69	69	69	69
35	68	68	68	68	68
45	67	67	67	67	67
55	66	66	66	66	66
65	65	65	65	65	65
75	64	64	64	64	64
85	63	63	63	63	63
90	62	62	62	62	62

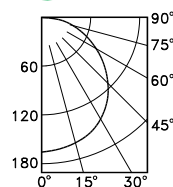
COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	20	19	18	17	17
2	18	16	15	14	15
3	16	14	13	12	13
4	14	12	11	10	11
5	12	10	9	8	9
6	10	8	7	6	7
7	8	6	5	4	5
8	6	4	3	2	3
9	4	2	1	1	2
10	2	1	0	0	1

EFFICIENCY = 19.7%

RR90635-CV

*LER = 16.2

•AEC = \$4.1



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	168	168	168	168	168
5	167	167	167	167	167
15	162	162	162	162	162
25	151	151	151	151	151
35	135	135	135	135	135
45	115	115	115	115	115
55	98	98	98	98	98
65	82	82	82	82	82
75	66	66	66	66	66
85	50	50	50	50	50
90	34	34	34	34	34

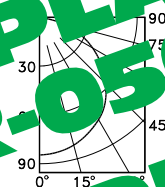
COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	30	29	28	27	28
2	25	24	23	22	23
3	22	21	20	19	20
4	20	19	18	17	18
5	18	17	16	15	16
6	16	15	14	13	14
7	14	13	12	11	12
8	12	11	10	9	10
9	10	9	8	7	8
10	8	7	6	5	6

EFFICIENCY = 28.0%

RR90636-CV

*LER = 5.7

•AEC = \$41.97



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	84	84	84	84	84
5	84	84	84	84	84
15	81	81	81	81	81
25	78	78	78	78	78
35	75	75	75	75	75
45	72	72	72	72	72
55	69	69	69	69	69
65	66	66	66	66	66
75	63	63	63	63	63
85	60	60	60	60	60
90	57	57	57	57	57

COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	16	15	14	13	14
2	14	13	12	11	12
3	12	11	10	9	10
4	10	9	8	7	8
5	8	7	6	5	6
6	6	5	4	3	4
7	4	3	2	1	2
8	2	1	0	0	1
9	0	0	0	0	0
10	0	0	0	0	0

EFFICIENCY = 14.7%

* LER = Luminaire Efficiency (based on 3000 hours) • AEC = Annual Energy Cost per Luminaire (based on 3000 hours)

LER = Luminaire Effic. x Total Lamp Output x Ballast Factor

Options

- 39 Installed electronic dimming ballast made available. Consult factory. Also see Options -LE and -WD.
- 43 Lower wattage: Spec 2T9 (RR90635); 2T9 (RR90636).
- 58 277 volt 60 Hz. ballast instead.
- 73 Internal emergency "Ni-Cad" battery pack concealed in housing. Controls one lamp. Switch and visible light located above lens. For indoor use.
- 74 Internal 2 lamp emergency "Ni-Cad" battery pack for use with 4-pin electronic lamps only (RR90636). Use with Option -96.
- 76 Polycarbonate diffuser instead of glass.
- 96 Regular dimmer switch. Power factor 0°F angle dimmer. Standard wattage ballast instead of RR90636. See Options -74, -84 and -LE.
- 97 Other voltage ballast. Consult factory.
- 98 347 volt 60 Hz. ballast instead. Consult factory for dimming or Q13 electronic.
- 99 Special modification. Consult factory.
- CV Convex opal polycarbonate diffuser instead.
- CW Cold weather electronic HPF ballast. -18°C to -20°C (0°F to -5°F).
- FD Double Fused primary for RR90636 only. One per ballast. Replaceable. Use with -84.

- FS Fused primary. One per fixture. Replaceable. Aids servicing.
- LE With 4-pin electronic Triple Tube amalgam lamp. 82 CRI and 10,000 hour life. 3500°K or consult factory for 2700°K, 3000°K, 4100°K. Specify wattage and color temperature.
- LP With lamps (RR90636). 2700°K or consult factory. Specify wattage and color temperature.
- RD Double radio interference filter (RR90636 only). For use with Option -84.
- RF Radio interference filter (RR90636 only). Eliminates line feedback.
- WD Wall Dimmer for use with Option -39 may be available. Consult factory.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____

TYPE _____

WATTAGE _____ VOLTAGE _____

CATALOG NUMBER _____