

Shower Light: UL Wet Label Polycarbonate Lens and Trim

Features

Lamp

- Designed for:
1 horizontal Triple Tube 32 watt.
- 4 pin GX24q-3 base.
- 90% lumen output maintained at ballast minimum operating temperature.
- Flicker-free starting, high light output, excellent color rendering (82 CRI).
- Long 10,000 hour life.
- High efficiency with low operating costs.
- See Option -43 for lower wattage.

Ballast

- Regulating electronic high power factor, thermally protected, enclosed.
- Starting temperature -5° to -10°C (14°-23°F). See Option -CW for cold weather.
- Built-in RIF filter. THD is less than 10%.
- 120 volt standard or see optional voltages.
- Dimming optional. See Option -39.
- Visible and easily serviced in all ceilings.

Fuse

- Available as Option -FS.

Reflector

- Clear specular Alzak® aluminum.

Trim Assembly

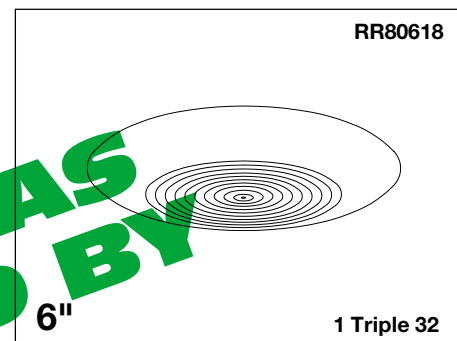
- Electrically non-conducting "dead-front" design.
- Double gasketing standard.
- Rustproof.
- Radial polycarbonate lens with white molded polycarbonate trim ring.
- Optional drop white polycarbonate (Option -76) or convex opal polycarbonate (Option -CV) diffusers.

Housing

- Acrylic enameled aluminum.
- Cool: Dissipates heat across entire surface area. Ventilated.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Entire luminaire serviced through removable trim assembly.
- Prewired outlet box; 14GA (NEC) galvanized steel, UL listed. Accessible through fixture opening.
- Built-in plaster frame.

Installation

- 27" hanger bars supplied (2).



**"Dead Front" Shower Light
82 CRI**

- Fully adjustable universal mounting brackets supplied (2).
- Recesses indoor or outdoor in covered locations.

UL, C-UL (Canada) Listings

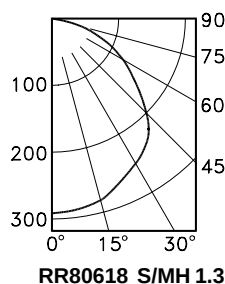
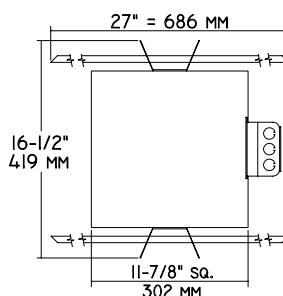
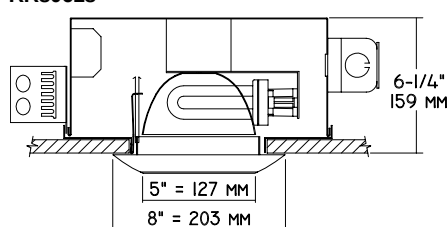
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12).

Three Year Limited Warranty

- Complete standard fixture.

Performance at a Glance

RR80618

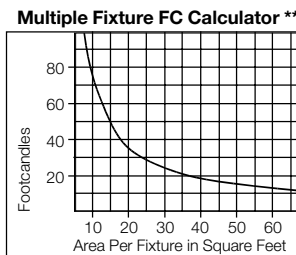


RR80618 S/MH 1.3

Cone of Light*

Ft.	FC	Dia.
6	8.1	7.0
8	4.6	9.4
10	2.9	11.7
12	2.0	14.0
14	1.5	16.4
16	1.1	18.7

RR80618



RR80618

Cone of Light Key

- Fl. 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 are 90° to lamp axis.

THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
(313) 259-6400 • Fax: (313) 259-9409 or (313) 259-3121

**SECOND CENTURY SERIES
TRIPLE TUBE
COMPACT FLUORESCENT LIGHTING**

MAXIMUM WATTAGE

CATALOG NUMBER

1 Triple 32

RR80618

DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS,
TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

RR80618 RECESSED ROUND: TRIPLE TUBE AMALGAM 32 WATT COMPACT FLUORESCENT

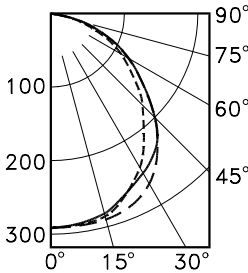
Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RR80618: TEST NUMBER 45415
RR80618-76: TEST NUMBER 45416
RR80618-CV: TEST NUMBER 45418

RR80618

*LER = 23.2
•AEC = \$10.34

--- 0° S/MH 1.2
--- 90° S/MH 1.3
--- 180° S/MH 1.3
EFFICIENCY = 34.6%



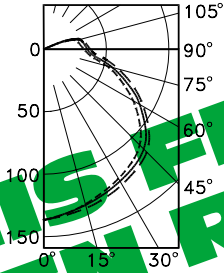
CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	292	292	292	292	292
5	293	295	293	293	292
15	288	284	282	286	294
25	257	256	259	263	276
35	213	230	237	237	245
45	176	199	204	199	204
55	141	154	156	154	156
65	97	105	107	105	105
75	47	51	51	51	51
85	8	9	9	8	9
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION									
RF	20								
RC	80								
RW	70	50	30	10	50	30	10		
1	38	36	35	33	34	33	32		
2	34	32	29	27	30	28	26		
3	31	28	25	23	26	24	22		
4	29	25	22	19	23	21	19		
5	26	22	19	17	21	18	16		
6	24	20	17	14	19	16	14		
7	23	18	15	13	17	14	13		
8	21	16	13	11	16	13	11		
9	20	15	12	10	14	12	10		
10	18	14	11	9	13	11	9		

RR80618-76

*LER = 17.0
•AEC = \$14.09

--- 0° S/MH 1.4
--- 90° S/MH 1.4
--- 180° S/MH 1.4
EFFICIENCY = 25.4%



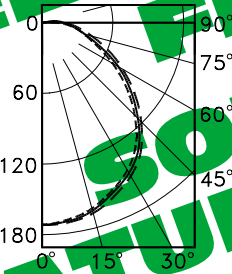
CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	134	134	134	134	134
5	132	132	133	133	133
15	123	129	130	130	131
25	125	126	127	128	129
35	118	119	120	122	123
45	108	109	111	113	113
55	94	96	98	100	101
65	75	79	79	88	92
75	53	56	57	60	60
85	35	37	39	40	41
90	32	33	36	36	37

COEFFICIENTS OF UTILIZATION									
RF	20								
RC	80								
RW	70	50	30	10	50	30	10		
1	26	25	23	22	22	21	20		
2	24	21	19	17	19	17	16		
3	21	18	16	14	16	15	13		
4	19	16	14	12	14	12	11		
5	18	14	12	10	13	11	9		
6	16	13	10	8	11	9	8		
7	15	11	9	7	10	8	7		
8	14	10	8	7	9	8	6		
9	13	9	7	6	9	7	6		
10	12	9	7	5	8	6	5		

RR80618-CV

*LER = 14.3
•AEC = \$16.80

--- 0° S/MH 1.2
--- 90° S/MH 1.3
--- 180° S/MH 1.3
EFFICIENCY = 21.3%



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	171	171	171	171	171
5	170	170	170	170	171
15	163	163	165	165	166
25	151	151	153	155	156
35	139	144	147	149	149
45	111	113	116	118	120
55	66	65	91	94	96
65	55	60	63	66	68
75	32	33	35	39	40
85	13	14	15	17	19
90	8	8	9	10	11

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

• LER = Luminaire Efficacy Rating

LER = Luminaire Output (Total Lamp Lumens x Ballast Factor) / Input Watts

• AEC = Annual Energy Cost per 1000 lumens
(based on 3000 hours use @ \$0.08 KWH).

Options

- 39 Installed electronic dimming ballast. Consult factory for 18 or 26 watt or for quantity and type required. Also see Options -LE and -WD. Indoor use.
- 43 Lower wattage triple tube: Specify 26 or 18 watt.
- 58 277 volt 60 Hz. ballast instead.
- 73 Internal emergency "Ni-Cad" battery pack concealed in housing. Switch and visible
- light located above lens. For indoor use.
- 76 Drop white polycarbonate diffuser instead.
- 97 Other voltage ballast. Consult factory.
- 98 347 volt 60 Hz. ballast instead. Consult factory for dimming.
- 99 Special modification. Consult factory.
- CV Convex opal polycarbonate lens instead.
- CW Cold weather electronic HPF ballast. -18°C to -20°C (0°F to -5°F).
- FS Fused. 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 or 4100°K. Specify wattage and color temperature.
- WD Wall Dimmer for use with Option -39. Consult factory for use with 18 or 26 watt.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____
TYPE _____
WATTAGE _____ VOLTAGE _____
CATALOG NUMBER _____

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION TO N.E.C., NORMAL USE. Manufacturer at his option will replace or repair such fixture or refund the purchase price or a proportion of the purchase price of the fixture at the discretion of the manufacturer. This warranty is limited to the original purchaser and is not transferable. The manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied from the manufacturer will render the warranty void. Sole does not warrant as to the fitness of the fixture, improper installation, or repair, or modification of the fixture without prior written authorization.