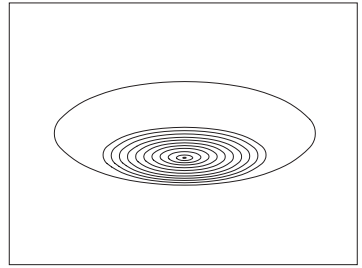


CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

6" 2 Quad 13 WATT MAXIMUM

RR00648

U.L. Wet: Safe for Showers  
 "Dead Front" Design • Type IC  
 Electrically Non-Conducting



## Features

### Lamp(s)

- Designed for 4 pin base:  
2 horizontal 13 watt quad.
- 90% lumen output maintained at ballast minimum temperature.
- Flicker-free starting, high light output.
- Long 10,000 hour life.
- High efficiency with low operating costs.

### Ballast

- Thermally protected, encased HPF.
- Visible and easily serviced in all ceilings.
- Regulating electronic. Starting temperature -5° to -10°C (14°-23°F). Optional Dimming (-39) or Cold Weather (-CW).
- Built-in RIF filter. THD is less than 10%. See Option -43 for lower wattages.
- Single circuit wiring or see Option -84: Two-circuit.
- 120V standard or see Options.

### Fuse

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

### Reflector

- Clear specular Alzak® aluminum.

### Trim Assembly

- Electrically non-conducting "dead front" design. Rustproof. Double gasketed.
- Radial polycarbonate lens with white molded trim ring. Also see Options.

### Housing

- Cool. Acrylic enameled 100% aluminum.
- Rustproof. Exceeds 1000 hour ASTM 5% salt spray test.
- Dissipates heat across entire surface area.
- Entire luminaire serviced through trim.

### Installation

- 27" hanger bars supplied (2).
- Fully adjustable universal mounting brackets supplied (2).
- Lightweight. Recesses in any ceiling type.

### UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Type IC. Approved for direct contact with insulation.
- Through-branch circuit conductors (up to 6 #12). Supply wire rating: 90°C.

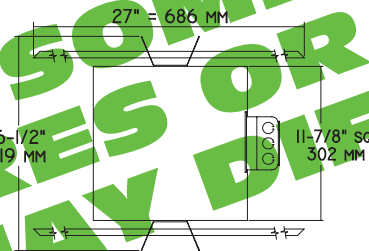
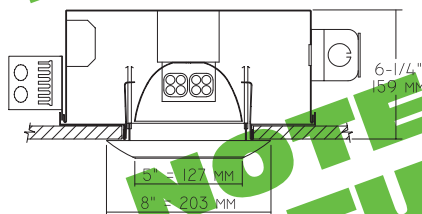
### Three Year Limited Warranty

- Complete standard fixture.

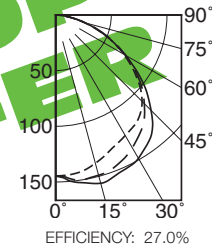
Recessed Round  
 Poly Lens  
 "Dead Front"  
 Type IC Shower

## Performance at a Glance

RR00648



Ceiling Cut-out  
 6 1/2"



Cone of Light*		
Dist.	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

--- 0° SC 1.3  
 - - - 45° SC 1.4  
 ——— 90° SC 1.5

### Cone of Light Key

- FT. Distance from fixture
- FC Footcandles at nadir (0°)
- Dia. Circle of light at 50% of FC

\* Dia. (in ft.) shown is where FC value is half the FC at nadir.

# THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232  
 (313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121 • www.kirlinlighting.com

HEALTHCARE FACILITY  
 & PATIENT LIGHTING

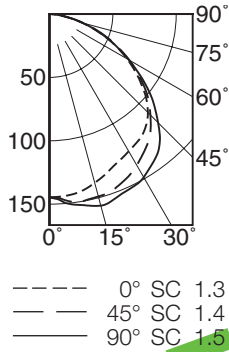
MAXIMUM WATTAGE  
 2 Quad 13

CATALOG NUMBER  
 RR00648

Detailed Photometry - Installed Fixture

Photometry from I.T.L., Boulder, CO

RR00648 (2 Quad 13)



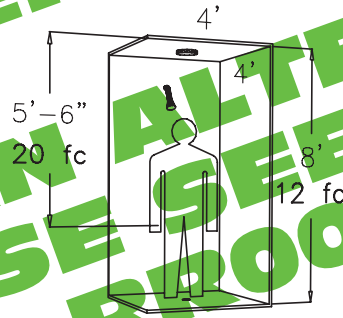
EFFICIENCY : 27.0%

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	145	145	145	145	145
5	144	145	148	150	150
15	138	143	149	155	157
25	129	136	143	150	152
35	122	126	131	140	143
45	110	111	113	119	121
55	85	87	87	89	90
65	56	58	58	58	56
75	27	28	28	28	27
85	5	5	5	5	5
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION					
RF	20				
	70	80	50	30	10
RW					
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	14	13	16
6	19	15	13	11	14
7	17	14	11	10	13
8	16	13	10	9	12
9	15	11	9	8	11
10	14	11	8	7	10

ITL TEST #42379

THIS FIXTURE IS NO LONGER AVAILABLE FOR AN ALTERNATIVE PLEASE SEE FIXTURE RR00647



Average footcandles for 4'x4' shower stall, luminaire mounted 5'6" or 8' from site, 80% reflectivity.

Options

- 58 277 volt 60 Hz. ballast instead.
- 73 Internal emergency "Ni-Cad" battery pack. Switch and visible light located above lens. Controls one lamp. For indoor use.
- 76 Drop white polycarbonate diffuser instead.
- 84 Fixture wired for two circuits. Also see -FD.
- 97 Other voltage ballast. Consult factory.
- 98 347 volt 60 Hz. ballast instead. Consult factory.
- 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).
- FD Double fused primary. Use with Option-84.
- FS Fused. Replaceable. Aids servicing.
- LE With 3500°K quad lamps. 82 CRI. Specify wattage and color temperature.

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. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at the option will replace or repair each fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the office of manufacturer within three years of original shipment. Liability of manufacturer is limited to the foregoing. This warranty is supplied in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. No liability shall be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is void if the fixture is used for any other purpose than intended. Abuse of the fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.