

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

8" QL 85 WATT MAXIMUM

QRR-08081

Regressed Lens QL Induction Downlight

Features

Lamp Vessel (Included)

- One vertical QL lamp vessel: 85W (maximum).
- See Option -43 for lower wattages.
- High efficiency with low operating costs.
- Electrode-less induction lamp vessel with power coupler. Extra long 100,000-hour system life.
- Flicker-free instant-on, high light output, excellent color rendering (>80 CRI). Constant color.
- Indoor or outdoor use. -30°F rated.
- 3000°K standard. Add Option -LT for 4000°K.
- Resistant to voltage fluctuation and vibration.

Generator

- Electronic high frequency generator.
- 120 volt standard. For 277 volt, see Option -58.
- For other input voltages, see Option -97.

Reflector

- Specular Alzak® aluminum.

Trim Assembly

- Black seamless tapered aluminum one piece OptiGroove with white flange or all white

smooth self-flanged trim (Option -40) as shown in section view.

- Regressed tempered prismatic C#73 lens.

Aluminum Housing

- Acrylic enameled. Rustproof. Exceeds 1000 hour ASTM 5% salt spray test.
- Lightweight. Minimizes ceiling load.
- Cool operation: Extends component life.
- Entire luminaire serviced through aperture.
- Built-in plaster frame.

Outlet Box

- Prewired 14 GA (NEC) galvanized steel, UL listed. 1/2" and 3/4" knockouts.

Installation

- 27" galvanized hanger bars with adjustable mounting brackets (2) supplied.
- Recesses indoor or outdoor in covered locations.

UL, C-UL (Canada) Listings

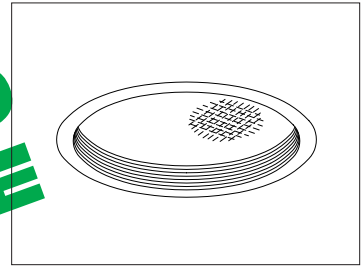
- Wet, damp or dry locations, covered ceilings.
- Through-branch conductors (6 #12).

Three Year Limited Warranty

- Complete standard fixture and ballast.

Thermal Protection (Per Current NEC)

- Thermal protector included.

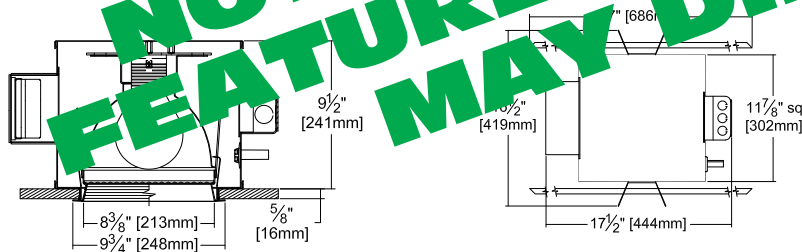


Many Optional Lenses

100,000 Hour Life

Performance at a Glance

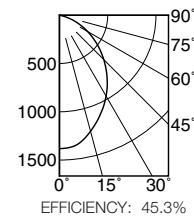
QRR-08081



Option -40 Also Shown

Ceiling Cut-out
9 1/4" Dia.

QRR-08081 (QL 85W)



Cone of Light*

Dist.	FC	Dia.
6	38.4	6.4
8	21.6	8.5
10	13.8	10.7
12	9.6	12.8
14	7.1	14.9
16	5.4	17.1

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.

THE KIRLIN COMPANY

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RENAISSANCE SERIES
COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE

1 QL 85

CATALOG NUMBER

QRR-08081

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

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

QRR-08081 (1 QL 85)



CANDLEPOWER DISTRIBUTION	DISTANCE				
	0.0	22.5	45.0	67.5	90.0
5	1382	1382	1382	1382	1382
15	1371	1371	1371	1371	1371
25	1244	1244	1244	1244	1244
35	1064	1064	1064	1064	1064
45	864	864	864	864	864
55	650	650	650	650	650
65	437	437	437	437	437
75	240	240	240	240	240
85	70	70	70	70	70
90	2	2	2	2	2
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION	DISTANCE									
	20					50				
	RC	70	50	30	10	70	50	30	10	10
RW	1	50	48	47	45	45	44	43	43	43
	2	46	43	40	38	41	39	37	37	37
	3	43	38	35	33	36	34	32	32	32
	4	39	34	31	28	33	30	28	28	28
	5	36	31	27	25	30	27	24	24	24
	6	34	28	24	22	27	24	22	22	22
	7	31	26	22	19	25	22	19	19	19
	8	29	24	20	18	23	20	17	17	17
	9	28	22	18	16	21	18	16	16	16
	10	26	20	17	15	20	17	15	15	15

ITL TEST #50720 *LER=34.1 •AEC=\$7.03

LER = Luminaire Efficiency Ratio
 LER = Luminaire Efficiency x Total Lamp Lumens x Ballast Factor
 Input Watts

• AEC = Annual Energy Cost per 100 lumens
 (based on 3000 hours per year @ \$0.08 KWH).

THIS FIXTURE IS NO LONGER AVAILABLE FOR AN ALTERNATIVE PLEASE SEE FIXTURE ZRR-11082

Options

Generator, Wattage and Voltage

- 43 Lower wattage, QL 55W. Specify voltage.
- 58 277 volt 60 Hz generator.
- 97 Other input voltage. Consult factory.

Lenses and Trims

- 13 Vandal resistant tempered prismatic C#73 spread lens above 1/8" flat polycarbonate.
- 17 .187" prismatic high strength acrylic lens.

- 20 White aluminum 1/2" cube egg-crate louver.
- 26 Vandal resistant version. Consult factory.
- 32 White oversize trim ring. Specify O.D.
- 40 White grooveless flare trim. (CP x 1.10)
- 45 Gasket between ceiling and trim flange.
- 46 Gasket between trim and lens.
- 79 Extension collar for ceilings up to 2" thick. Sloped ceiling adapter. Specify slope in 5° increments up to 30°. Not available with Option -26.

- 94 Custom color/finish. Specify. Consult factory.
- FR Fresnel tempered glass lens.
- ML Microprismatic tempered lens.

Other

- 99 Special modification. Consult factory.
- LT With 4000°K lamp vessel instead of standard 3000°K lamp.

SUBMITTAL DATA

APPROVAL STAMP

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

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTIED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at his option will replace or repair such fixture or refund the purchase price on presentation of a 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, and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied to the buyer 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. Abnormal use, abuse of the fixture, improper installation, repair, or modification of the fixture without prior written authorization from the manufacturer or I.T.L. render the warranty void.