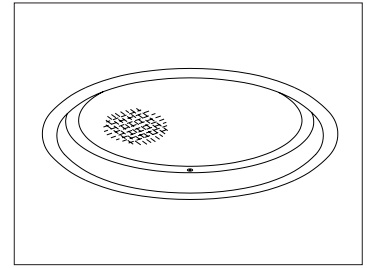


CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

10" QL 85 WATT MAXIMUM

VRR-10043

## Vandal Resistant QL Induction With Extraordinary Lamp Life



### Specifications

#### Lamp Vessel (Included)

- One vertical QL lamp vessel: 85W (maximum).
- See Option -43 for lower wattages.
- Electrode-less induction lamp vessel with power coupler.
- 100,000 hour system life, 6000 initial lumens.
- Indoor or outdoor use. -30°F rated.
- 3000°K standard. Add Option -LT for 4000°K.

#### Generator

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

#### Reflector

- Specular Alzak® aluminum.

#### Trim / Lens Assembly

- Vandal resistant smooth white seamless tapered aluminum self-flanged flare trim or see -OG.
- Flush center pin tamperproof hex screws and captive nuts secure trim to housing.
- Prismatic 3/16" high strength acrylic above 1/4" clear polycarbonate.

- Continuous ring secures lens to trim.
  - Tamperproof tool included.
- #### 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 and Thermal Protection

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

#### Installation

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

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

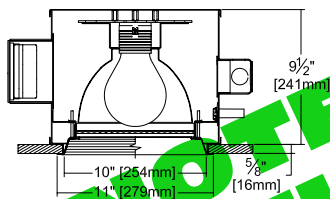
- Wet, damp or dry locations, covered ceilings.
- Through branch conductors (6 #12 AWG 90°C).

#### Three Year Limited Warranty

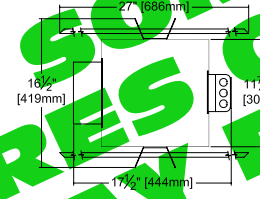
- Complete standard fixture and generator.

### Performance at a Glance

VRR-10043

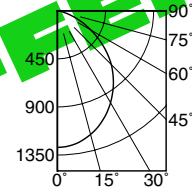


Option -OG Also Shown



Ceiling Cut-out 10 1/2" Dia.

VRR-10043 (QL 85W)



EFFICIENCY: 47.0%

#### Cone of Light\*

Dist.	FC	Dia.
6	35.5	7.0
8	20.0	9.3
10	12.8	11.6
12	8.9	14.0
14	6.5	16.3
16	5.0	18.6

SC = 1.2

ITL TEST #59129  
LER=35.3 AEC=\$6.81

**Cone of Light\***  
Ft. Distance to fixture  
FC Footcandle 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

ENERGY EFFICIENT VANDAL RESISTANT  
& MAXIMUM SECURITY LIGHTING

MAXIMUM WATTAGE

QL 85

CATALOG NUMBER

VRR-10043

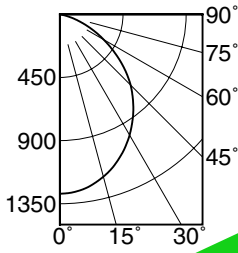
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

VRR-10043 (QL 85)



SC = 1.2  
EFFICIENCY : 65.8%

	CANDLEPOWER DISTRIBUTION					COEFFICIENTS OF UTILIZATION										
		0.0	22.5	45.0	67.5	90.0	80			50						
	0	5	15	25	35	45	55	65	75	85	90	10	20	30	40	
0	1279	1279	1279	1279	1279	1279	1279	1279	1279	1279	1279	1279	1279	1279	1279	1279
5	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269
15	1198	1198	1198	1198	1198	1198	1198	1198	1198	1198	1198	1198	1198	1198	1198	1198
25	1073	1073	1073	1073	1073	1073	1073	1073	1073	1073	1073	1073	1073	1073	1073	1073
35	906	906	906	906	906	906	906	906	906	906	906	906	906	906	906	906
45	713	713	713	713	713	713	713	713	713	713	713	713	713	713	713	713
55	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478	478
65	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253
75	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ITL TEST #59129 \*LER=35.3 •AEC=\$6.81

LER = Luminaire Efficacy Rating  
LER = Luminaire Efficiency = Lamp Lumens / Input Watts

AEC = Annual Energy Cost per 1000 lumens  
(based on 3000 hours use @ \$0.023/kWh)

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

- 32 White oversize trim ring. Specify O.D.
- 45 Gasket between ceiling and trim.
- 46 Gasket between trim and lens.
- 84 Custom color/finish. Specify. Consult factory.
- FR Fresnel tempered lens instead.
- OG Black OptiGroove flare trim instead. (CP x .95)
- UV UV filter. Consult factory.

Other

- 79 Extension collar for ceilings up to 2" thick.
- 89 Special modification. Consult factory.
- LT With 4000°K lamp vessel instead of standard 3000°K lamp.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME  
TYPE  
WATTAGE  
CATALOG NUMBER

VOLTAGE

THIS FIXTURE IS NO LONGER AVAILABLE FOR AN ALTERNATIVE PLEASE SEE FIXTURE VRR-12060 NOTE: SOME DESIGN FEATURES OR OPTIONS MAY BE DIFFER

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIALS FOR A PERIOD OF ONE YEAR FROM THE DATE OF PURCHASE. INSTALLATION TO N.E.C. IS NORMAL USE. Manufacturer of the fixture will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within three years of original shipment. Liability of manufacturer is limited to the foregoing and 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, misuse, or improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.