

Regressed Lens Vandal Resistant QL Induction Lamp Luminaires

Features

Lamp (Included)

- 1 vertical QL 85 watt (by Philips).
- Electrode-less induction lamp with Power Coupler.
- Extra long 100,000 hour life.
- Flicker-free instant-on, high light output, excellent color rendering (>80 CRI).
- Indoor or outdoor use. -30°F rated.
- 3000°K standard. Add Option -LT for 4000°K.
- High efficiency with low operating costs.
- Resistant to voltage fluctuation.
- Vibration resistant.
- See Option -43 for vandal resistant.

Ballast

- Electronic high frequency generator.
- 120 volt standard.
- For 240 volt add Option -97.

Fuse

- Fuses in standard Recessed fixture.
- See Option -43 for vandal resistant.

Reflector

- Specular Alzak® aluminum.

Trim Assembly

- Tamper-resistant seamless tamper-resistant OptiGroove. Self-flanged white trim.
- Flush tamperproof hex screws with caps.

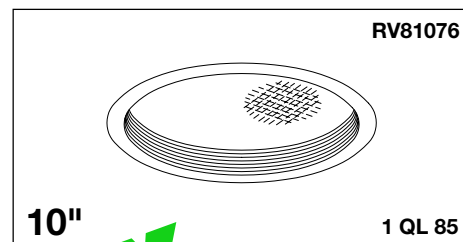
- pin secure trim to captive nuts in housing.
- Continuous ring and 4 screws secure lens.
- Prismatic .187" high-strength polycarbonate for added vandal resistance. See Option -21.

Housing

- Anodized aluminum.
- Vandal resistant heat dissipating surface.
- Rustproof. Exceeds 100 hour ASTM.
- See Option -43 for vandal resistant.
- Built-in plaster frame.

Installation

- 27" housing base supplied (2).
- For each universal mounting bracket supplied (2).
- Recessed into ceiling or floor in covered area.
- Use tamperproof tools in aluminum one.
- For ten fixture.

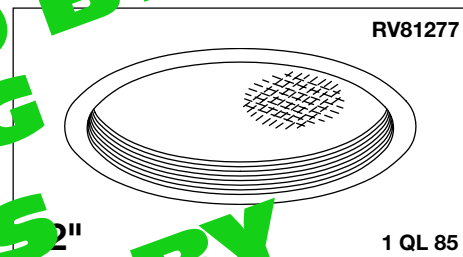


10"

RV81076

1 QL 85

Compact, Efficient



12"

RV81277

1 QL 85

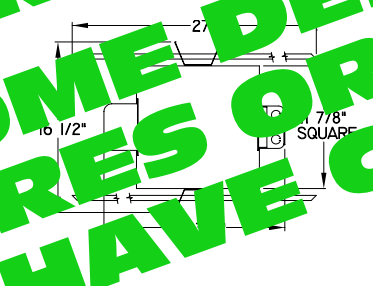
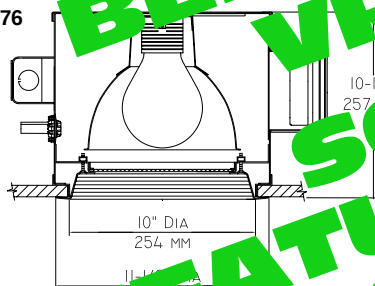
100,000 Hour Operation

UL (Canada) Listings

- Wet/damp or dry locations, covered.
- High-branch circuit conductors (6 #12).
- Three Year Limited Warranty
- Complete standard fixture.
- Thermal Protection (Per Current ENEC)
- Tamper-resistant reflector included.

Performance

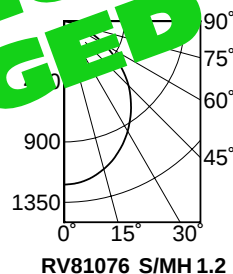
RV81076



Cone of Light*

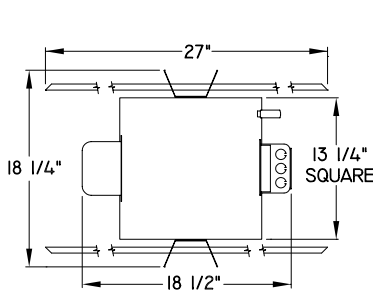
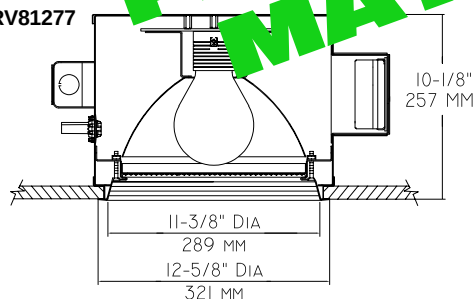
Ft.	FC	Dia.
6	51.6	6.2
8	29.0	8.3
10	18.6	10.3
12	12.9	12.4
14	9.5	14.5
16	7.3	16.5

RV81076



RV81076 S/MH 1.2

RV81277



Cone of Light*

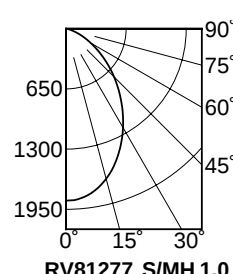
Ft.	FC	Dia.
6	51.6	6.2
8	29.0	8.3
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12	12.9	12.4
14	9.5	14.5
16	7.3	16.5

RV81277

Cone of Light Key

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

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



RV81277 S/MH 1.0

THE KIRLIN COMPANY

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

SECOND CENTURY SERIES
QL INDUCTION LIGHTING

VOLTAGE

120V
120V

MAXIMUM WATTAGE

QL 85
QL 85

CATALOG NUMBERS

RV81076
RV81277

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Alzak® is a registered trademark of ALCOA.

RV81076
RV81277

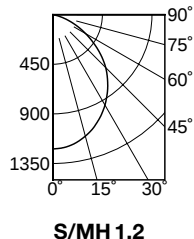
RECESSED VANDAL RESISTANT: 85 WATT (MAXIMUM) QL INDUCTION

KIRLIN

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RV81076 (85W): TEST No. 50721
RV81277 (85W): TEST No. 50723

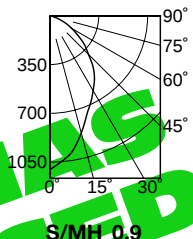
RV81076 (85 Watt) Efficiency = 44.8%
*LER = 36.0 •AEC = \$6.69



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1218	1218	1218	1218	1218
5	1209	1209	1209	1209	1209
15	1141	1141	1141	1141	1141
25	1022	1022	1022	1022	1022
35	863	863	863	863	863
45	679	679	679	679	679
55	455	455	455	455	455
65	241	241	241	241	241
75	65	65	65	65	65
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	50	48	46	45	44
2	46	42	40	38	36
3	42	38	35	32	30
4	39	34	30	27	24
5	36	30	27	24	21
6	33	28	24	21	19
7	31	25	21	19	17
8	29	23	19	17	15
9	27	21	18	15	14
10	25	20	16	14	13

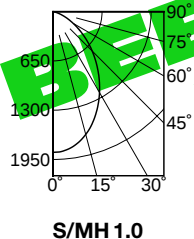
RV81076-43 (55 Watt) Efficiency = 48.3%
*LER = 34.7 •AEC = \$6.91



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1104	1104	1104	1104	1104
5	1044	1044	1044	1044	1044
15	870	870	870	870	870
25	691	691	691	691	691
35	557	557	557	557	557
45	391	391	391	391	391
55	247	247	247	247	247
65	124	124	124	124	124
75	29	29	29	29	29
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	53	52	50	48	47
2	49	46	43	41	40
3	46	41	38	35	33
4	42	37	34	31	29
5	39	34	30	27	25
6	36	31	27	24	22
7	34	28	24	22	20
8	32	26	22	20	18
9	30	24	20	18	16
10	28	22	19	16	15

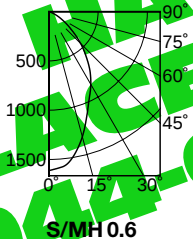
RV81277 (85 Watt) Efficiency = 52.9%
*LER = 42.5 •AEC = \$5.65



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1856	1856	1856	1856	1856
5	1837	1837	1837	1837	1837
15	1677	1677	1677	1677	1677
25	1396	1396	1396	1396	1396
35	1064	1064	1064	1064	1064
45	735	735	735	735	735
55	436	436	436	436	436
65	204	204	204	204	204
75	53	53	53	53	53
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	56	55	54	52	51
2	55	54	53	51	50
3	51	49	47	46	44
4	47	45	43	41	39
5	44	42	40	38	36
6	41	39	37	35	33
7	38	36	34	32	30
8	35	33	31	29	27
9	33	31	29	27	25
10	31	29	27	25	23

RV81277-43 (55 Watt) Efficiency = 58.9%
*LER = 42.3 •AEC = \$5.67



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1613	1613	1613	1613	1613
5	1581	1581	1581	1581	1581
15	1314	1314	1314	1314	1314
25	971	971	971	971	971
35	726	726	726	726	726
45	456	456	456	456	456
55	223	223	223	223	223
65	80	80	80	80	80
75	13	13	13	13	13
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION					
RF	20				
RC	80				
RW	70	50	30	10	50
1	66	64	62	61	60
2	62	58	55	53	51
3	57	53	49	46	44
4	54	48	44	41	40
5	50	44	40	36	34
6	47	40	36	33	31
7	44	37	33	30	28
8	41	34	30	27	25
9	39	32	28	25	23
10	37	30	26	23	21

Options

- 21 White translucent flat polycarbonate instead.
- 32 Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- 40 White grooveless tamperproof flare trim

- assembly instead, with prismatic polycarbonate or add Option -21.
- 43 Lower wattage. QL 55 watt system instead.
- 45 Gasket between trim and ceiling.
- 46 Gasket between trim and lens.

- 94 Custom color trim assembly. Consult factory.
- 97 Other voltage ballast instead: 240 volt only.
- 99 Special modification. Consult factory.
- LT With 4000°K lamp instead of standard 3000°K lamp.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____

TYPE _____

WATTAGE _____ VOLTAGE _____

CATALOG NUMBER _____