

Direct-Indirect: Indoor Applications

Features

Lamp

- Designed for:
 - WR90657:
 - 1 vertical Quad 13 watt (direct).
 - 1 vertical Quad 13 watt (indirect).
 - WR90958:
 - 2 horizontal Quad 18 watt (direct).
 - 2 horizontal Quad 13 watt (indirect).
- 2 pin base (GX23; Q13; G24d-2; Q18).
- See Option -43 for lower wattage.

Ballast

- Thermally protected, encased and potted standard.
- High power factor standard.
- Single circuit wiring. Optional two-circuit wiring. (See Option -84)
- 120 volt standard or see optional voltages.
- Electronic optional. (See Option -96)

Fuse

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

Reflectors

- Low iridescence specular Alzak® aluminum.
- Optional Softex softly etched Clear, Dune, Champagne Gold or Wheat available.

Housing

- Seamless, white acrylic enameled aluminum with regressed flare trim.
- Cool: Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- No visible cylinder hardware. Wall bracket and white finish are standard.

Installation

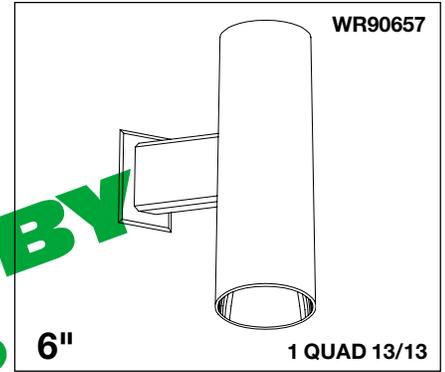
- 7" wall bracket extrusion assembled to housing. Wall plate included.
- Indoor only for covered ceiling use.

UL, C-UL (Canada) Listings

- Damp or dry locations, covered ceilings.

Three Year Limited Warranty

- Complete standard fixture.

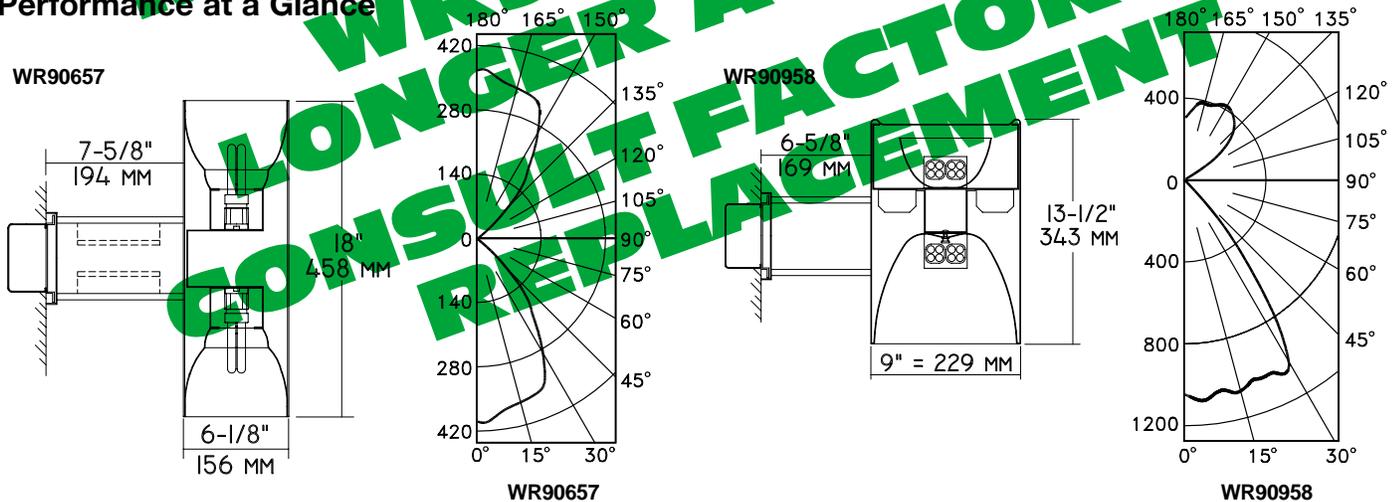


54% Efficiency



55% Efficiency

Performance at a Glance



Distribution curve shown for WR90958 is 90° to lamp axis.

THE KIRLIN COMPANY

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CENTURY SERIES
ARCHITECTURAL
COMPACT FLUORESCENT LIGHTING

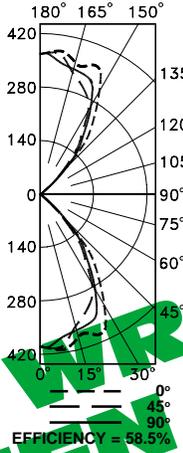
MAXIMUM WATTAGE
1 Quad 13/13
2 Quad 18/13

CATALOG NUMBERS
WR90657
WR90958

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) WR90657: TEST NUMBER 40263 / 40265
WR90958: TEST NUMBER 40266

WR90657 *LER = 22.8
•AEC = \$10.55



CANDLEPOWER DISTRIBUTION

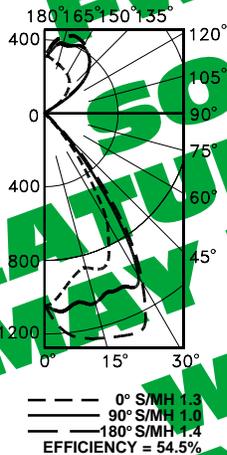
	0.0	45.0	90.0	135.0	180.0
0	1033	1033	1033	1033	1033
10	1060	936	892	1021	1150
30	1026	839	670	898	1175
50	7	5	8	17	10
70	0	0	2	2	0
90	0	0	0	0	0
110	3	5	8	7	5
130	101	169	213	253	190
150	223	321	435	417	385
170	276	321	395	394	367
180	314	314	314	314	314

COEFFICIENTS OF UTILIZATION

RF	20						
	80			50			
RC	70	50	30	10	50	30	10
BW	70	50	30	10	50	30	10
1	66	64	63	62	61	60	59
2	63	59	57	55	57	55	53
3	59	55	52	49	52	50	48
4	56	51	47	44	49	46	44
5	52	47	43	40	45	42	40
6	49	44	40	37	42	39	37
7	46	40	37	34	39	36	34
8	44	38	34	31	37	33	31
9	41	35	31	29	34	31	29
10	39	33	29	27	32	29	27

LER = Luminaire Efficiency Rating
AEC = Annual Energy Cost
1000 lumens per watt @ 1000 hours = 1.00 KWH.

WR90958 *LER = 24.3
•AEC = \$9.89



CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	1033	1033	1033	1033	1033
10	1060	936	892	1021	1150
30	1026	839	670	898	1175
50	7	5	8	17	10
70	0	0	2	2	0
90	0	0	0	0	0
110	3	5	8	7	5
130	101	169	213	253	190
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RF	20						
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RC	70	50	30	10	50	30	10
BW	70	50	30	10	50	30	10
1	56	54	53	51	45	44	43
2	53	50	47	45	42	40	39
3	49	45	42	40	38	36	35
4	46	41	38	35	36	33	31
5	43	38	34	32	33	30	28
6	40	35	31	29	30	28	26
7	38	32	29	26	28	26	24
8	36	30	26	24	26	24	22
9	33	28	24	22	25	22	20
10	32	26	22	20	23	20	19

Estimated Multipliers
-70 SofTex Clear: CP x .93
-71 SofTex Dune: CP x .87
-90 SofTex Champagne Gold: CP x .90
-91 SofTex Wheat: CP x .87
-96 Black OptiGroove: CP x .75

Options

- 35 Silver enameled housing finish.
- 36 Gold enameled housing finish.
- 37 Dark Bronze enameled housing finish.
- 38 Black enameled housing finish.
- 43 Lower wattage: Specify 2Q13 (direct) for WR90958 only.
- 45 Gasket above trim flange (between trim and housing).
- 58 277 volt 60 Hz. ballast instead.
- 70 SofTex Clear softly etched self-flanged reflector. Resists smudges. (CP x .93)
- 71 SofTex Dune softly etched self-flanged reflector. Resists smudges. (CP x .87)
- 75 Remote emergency "Ni-Cad" battery pack.
- 84 Fixture wired for two circuits. See -FD, -RD.
- 90 SofTex Champagne Gold softly etched self-flanged reflector. Resists smudges. (CP x .90)
- 91 SofTex Wheat softly etched self-flanged reflector. Resists smudges. (CP x .87)
- 94 Specular Pewter or other specified custom color self-flanged reflector. Consult factory.
- 96 Regulating electronic high power factor 0°F single circuit ballast instead. See Options -84 and -LE.
- 97 Other voltage ballast. Consult factory.
- 99 Special modification. Consult factory.
- FD Double fused primary. One per ballast. Replaceable. For use with Option -84.
- FS Fused. Replaceable. Aids servicing.
- LE With 4-pin electronic lamps for use with Option -96. 2700°K or consult factory. Specify wattage and color temperature.
- LP With lamps. 2700°K or consult factory. Specify wattage and color temperature. Also see -LE.
- OG OptiGroove black seamless tapered aluminum assembly. White trim, self-flanged. (CP x .75)
- RD Double radio interference filter. For use with Option -84.
- RF Radio interference filter. Eliminates line feedback.

SUBMITTAL DATA

APPROVAL STAMP

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

WR90657 HAS BEEN REPLACED BY WR-06060-43
 SOME DESIGN OPTIONS MAY HAVE CHANGED
 WR90958 IS NO LONGER AVAILABLE FOR CONSULT FACILITY

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION, MAINTENANCE, 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 FOR THE PURCHASER'S PLACE AND OTHER WARRANTIES, EXPRESSED OR IMPLIED, SHALL NOT BE LIMITED BY THIS WARRANTY. MANUFACTURER'S WARRANTY: MANUFACTURER'S WARRANTY IS LIMITED TO THE ORIGINAL PURCHASER AND IS VOID IF THE FIXTURE IS REPAIRED OR MODIFIED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE MANUFACTURER.