

Direct-Indirect: Outdoor Illumination

Features

Lamp

- Designed for:
 - 1 vertical Quad 18 watt (direct).
 - 1 vertical Quad 13 watt (indirect).
- 2 pin G24d-2 base (direct).
- 2 pin GX23 base (indirect).
- 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 -FD (double).

Reflectors

- Specular Alzak® aluminum.

Trim Assembly

Direct:

- White grooveless regressed flare.
- Regressed prismatic, tempered low brightness C#73 spread distribution lens.

- Self-flanged trim.
- Optional Black OptiGroove trim; acrylic or fresnel lens; anopar or polycarbonate available. (See Options)

Indirect:

- Weather Cap with low brightness C#73 prismatic glass. Gasketed.

Housing

- Seamless, white acrylic enameled aluminum.
- 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.
- Outdoor use. (See WR90659 for indoor use)

UL, C-UL (Canada) Listings

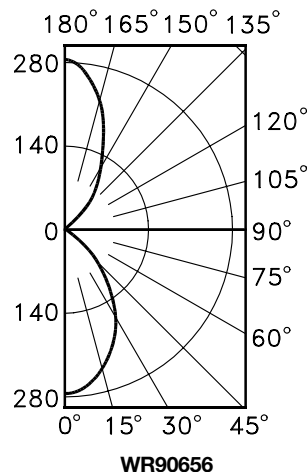
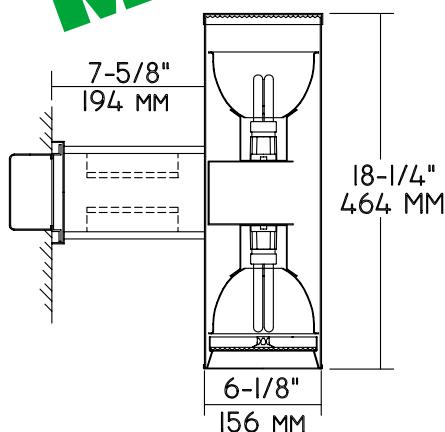
- Wet, damp or dry locations.
- Three Year Limited Warranty
- Complete standard fixture.



**Uniform Low Brightness
Direct / Indirect**

Performance at a Glance

WR90656



THE KIRLIN COMPANY

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**CENTURY SERIES
ARCHITECTURAL
COMPACT FLUORESCENT LIGHTING**

MAXIMUM WATTAGE

CATALOG NUMBER

1 Quad 18/13

WR90656

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WR90656

WALL BRACKET ROUND: QUAD 18/13 WATT COMPACT FLUORESCENT

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) TEST NUMBER 41185

WR90656 *LER = 14.7
•AEC = \$16.28



EFFICIENCY = 33.1%

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	273	273	273	273	273
10	253	255	254	253	252
30	159	160	157	159	159
50	54	57	54	58	55
70	13	13	13	13	12
90	0	0	0	0	0
110	9	10	9	10	9
130	37	38	36	39	36
150	126	131	125	133	128
170	254	259	253	257	251
180	286	286	286	286	286

COEFFICIENTS OF UTILIZATION

RF	5	10	15	20	25	30	35
1	33	32	31	30	26	25	24
2	31	28	27	25	23	22	21
3	28	25	23	22	21	19	18
4	26	23	21	19	19	17	16
5	24	21	18	16	17	15	14
6	23	19	16	15	16	14	13
7	21	17	15	13	14	13	11
8	20	16	13	12	13	12	10
9	18	15	12	11	12	11	9
10	17	13	11	10	11	10	9

* LER = Luminaire Efficiency Rating
LER = Luminaire Effic. x Total Lamp Lumens x Ballast Factor
Input Watts

• AEC = Annual Energy Cost per
lumens (based on 3000
hr use @ \$0.08 KWH).

Options*

- 13 Clear 1/8" flat polycarbonate below, with tempered prismatic flat C#73 lens above.
- 17 Prismatic 3/16" high strength acrylic instead.
- 18 Anopal flat glass. Not enameled. Diffusing.
- 20 White 1/2" cube eggcrate aluminum louver.
- 21 White translucent flat polycarbonate instead.
- 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 1Q13 Direct.
- 45 Gasket above trim flange (between trim and housing). Direct.

- 46 Gasket between trim and lens. Direct.
- 58 277 volt 60 Hz. ballast instead.
- 76 Drop white polycarbonate diffuser instead.
- 84 Fixture wired for two circuits. See Option -FD and -RD.
- 94 Custom color. Specify part(s). 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.
- FR Fresnel tempered lens instad. Concentric prisms.

- FS Fused. Replaceable. Aids servicing.
- FT Flat white trim instead. With tempered prismatic flat C#73 spread lens or specify optional lens.
- 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.
- 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 _____

*All lens and trim Options are for direct position only or see Option -99.