

K-Lens Squares: Efficient and Shallow

Features

Lamp / Socket

- Designed for:
 - RS20829: Horizontal 100 watt (max.) A-19 inside frosted incandescent lamp (by others).
 - RS20830: Horizontal 150 watt (max.) A-21 inside frosted incandescent lamp (by others).
- Dimmable (controls by others).
- Glazed porcelain medium base socket.

Reflector

- GlasSurfaced™ multi-faceted specular aluminum. Highly efficient.

Trim Assembly

- Tempered prismatic shock-resisting spread Kirlin lens. See Options for other lens / trim.
- Rustfree polished nickel stainless door (304 L) and captive thumb screw. Slender with concealed hinges for fast relamping.
- Attractively beveled cast aluminum frame tooled to ensure close fit with door. White acrylic finish.

- Tamper-proof vandal resistant door screw available. (Option -26) Also see -13, -27.

Housing

- Acrylic enameled 100% aluminum.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Cool: Dissipates heat across entire surface area.
- Entire luminaire visible and serviceable from below through hinged door.

Outlet Box

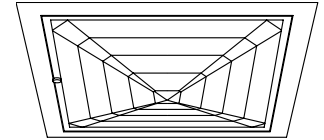
- Prewired 14GA (NEC) galvanized steel, UL listed. With removable insulated cover.
- 1/2" and 3/4" knockouts.

Installation

- 27" galvanized hanger bars supplied (2).
- Fully adjustable universal galvanized mounting brackets supplied (2). Accepts 3/4" or 1-1/4" fitters channel or 1/2" T.S. conduit.
- Recesses indoor or outdoor in covered ceilings. For wet plaster, see Option -47.

RS20829
100 Watt

RS20830
150 Watt



8"

**Uniform Illumination
Ideal for Shallow Plenums**

UL, C-UL (Canada) Listings

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

Three Year Limited Warranty

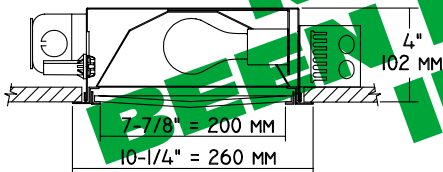
- Complete standard fixture.

Thermal Protection (Per Current NEC)

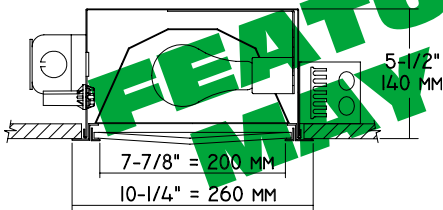
- Thermal protector included which provides automatic cut-off if rated temperature is exceeded. (Insulation related)

Performance at a Glance

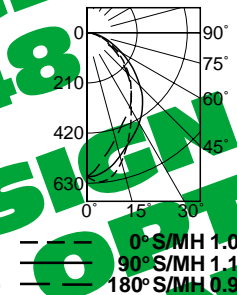
RS20829



RS20830



RS20829



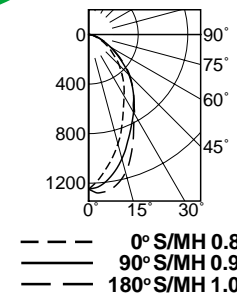
Cone of Light*

Ft.	FC	Dia.
6	15.3	7.2
8	8.6	9.6
10	5.5	12.0
12	3.8	14.4
14	2.8	16.8
16	2.2	19.2

Cone of Light Key

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

RS20830



Cone of Light*

Ft.	FC	Dia.
6	34.7	5.1
8	19.5	6.9
10	12.5	8.6
12	8.7	10.3
14	6.4	12.0
16	4.9	13.7

* 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

NEW MILLENNIUM

TUNGSTEN HALOGEN and
INCANDESCENT LIGHTING

LAMP

A-19
A-21

MAXIMUM WATTAGE

100
150

CATALOG NUMBERS

RS20829
RS20830

THE KIRLIN COMPANY RESERVES THE RIGHT TO CHANGE, WITHOUT NOTICE, DETAILS OR SPECIFICATIONS IN PRODUCT DESIGN.

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO)

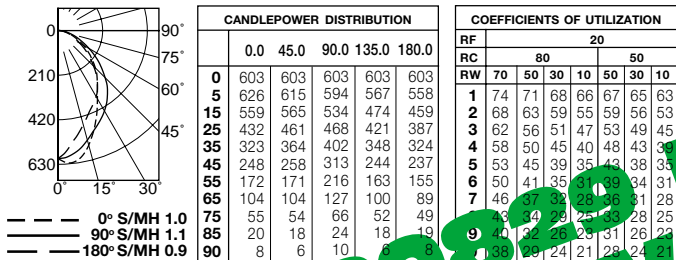
RS20829: TEST NUMBER 47017

RS20829-15: TEST NUMBER 47016

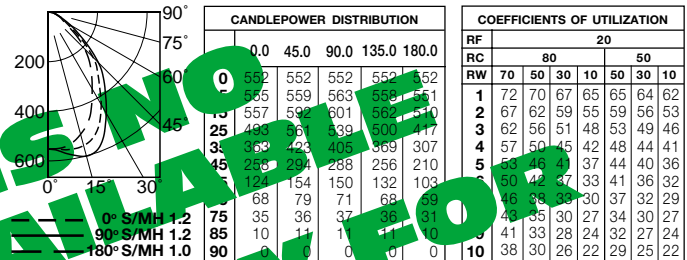
RS20830: TEST NUMBER 47019

RS20830-15: TEST NUMBER 47018

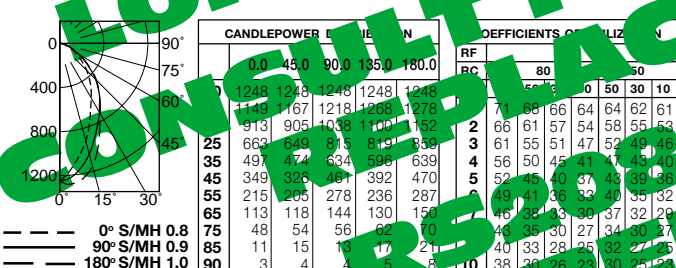
RS20829 100W Efficiency = 67.7%



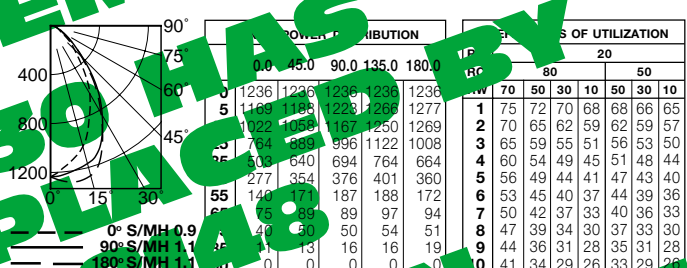
RS20829-15 100W Efficiency = 65.3%



RS20830 150W Efficiency = 63.9%



RS20830-15 150W Efficiency = 67.2%



Options

- 13 Clear 1/8" flat polycarbonate beneath prismatic flat C#73 lens for vandal resistance. Also see Option -26.
- 14 Dropped Anopal glass, 1-1/4" deep. Not enameled.
- 15 Tempered prismatic flat C#73 lens instead.
- 18 Anopal flat glass. Not enameled. Diffusing.
- 20 White 1/2" cube eggcrate aluminum lower instead of lens.
- 26 Tamper-proof recessed hex, center pin, button door screw with key. One key per ten fixtures. Also see Options -13 and -27.
- 27 Clear 1/4" tempered glass beneath prismatic C#73 flat lens, for vandal resistance. Also see Option -26.
- 35 Silver enameled frame finish instead.
- 36 Gold enameled frame finish instead.
- 37 Dark Bronze enameled frame finish instead.
- 38 Black enameled frame finish instead.
- 45 Gasket between trim and ceiling.
- 46 Gasket between trim and lens.
- 47 Wet plaster frame.
- 94 Custom color frame finish. Consult factory.
- 99 Special modification. Consult factory.
- DH Drop Holophane tempered lens instead.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____

TYPE _____

WATTAGE _____ VOLTAGE _____

CATALOG NUMBER _____

RS20829 IS NO LONGER AVAILABLE BY CONSULT FACTORY BECAUSE IT HAS BEEN REPLACED BY RS20830-15. SOME DESIGN FEATURES OR OPTIONS MAY HAVE CHANGED. IRS-0814

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THE LIFE OF THE FIXTURE. THE PURCHASE PRICE OR PRESENTATION OF A PRODUCT IS NOT A WARRANTY. THE WARRANTY IS LIMITED TO THE ORIGINAL PURCHASER OR USER. THE WARRANTY IS VOID IF THE FIXTURE IS NOT INSTALLED OR USED AS INTENDED. THE WARRANTY IS VOID IF THE FIXTURE IS NOT MAINTAINED AS RECOMMENDED. THE WARRANTY IS VOID IF THE FIXTURE IS NOT USED IN THE MANNER INTENDED. THE WARRANTY IS VOID IF THE FIXTURE IS NOT USED IN THE MANNER INTENDED. THE WARRANTY IS VOID IF THE FIXTURE IS NOT USED IN THE MANNER INTENDED.