

Recessed Square K-lens Downlights

Features

Lamp / Socket

- Designed for:
 - RS21131: Horizontal 200 watt (max.) A-23 inside frosted incandescent lamp (by others).
 - RS21232: Horizontal 300 watt (max.) PS-25 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 Option -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" lathers channel or 1/2" T.S. conduit.
- Recesses indoor or outdoor in covered ceilings. For wet plaster, see Option -47.

UL, C-UL (Canada) Listings

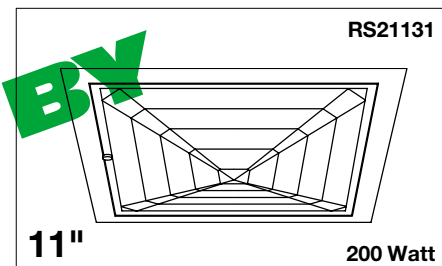
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12 AWG 90°C).

Three Year Limited Warranty

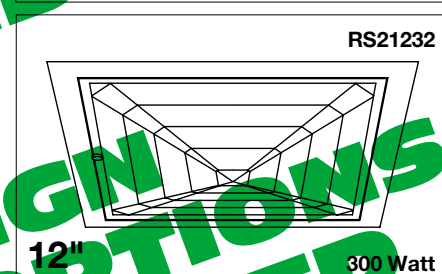
- Complete standard fixture.

Thermal Protection (Per Current NEC)

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

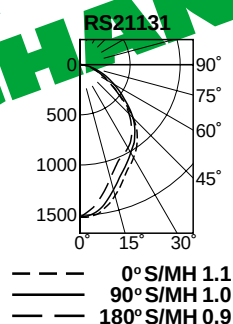
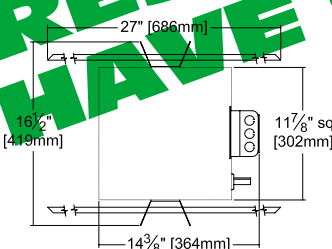
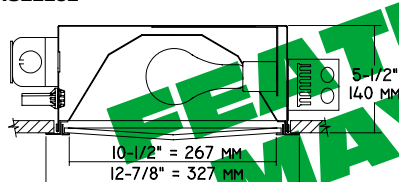


Dimmable Higher Wattages
Streamlined Housing Depths
Floor to Ceiling Illumination



Performance at a Glance

RS21131



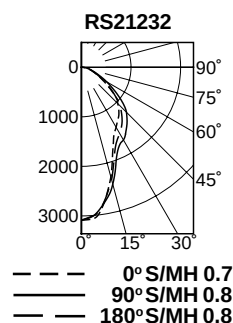
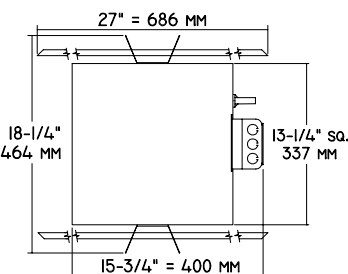
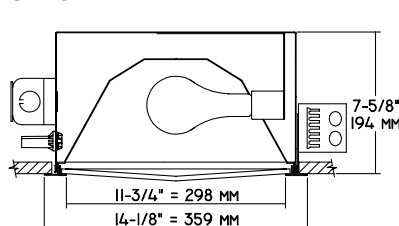
Cone of Light*

Ft.	FC	Dia.
6	42.3	5.6
8	23.8	7.5
10	15.2	9.3
12	10.6	11.2
14	7.8	13.1
16	5.9	14.9

Cone of Light Key

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

RS21232



Cone of Light*

Ft.	FC	Dia.
6	85.7	4.5
8	48.2	6.0
10	30.9	7.5
12	21.4	8.9
14	15.7	10.4
16	12.1	11.9

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

THE KIRLIN COMPANY

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(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121

NEW MILLENNIUM

TUNGSTEN HALOGEN and INCANDESCENT LIGHTING

LAMP

A-23
PS-25

MAXIMUM WATTAGE

200
300

CATALOG NUMBERS

RS21131
RS21232

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

RS21131
RS21232

RECESSED SQUARE: 200 A-23 / 300 PS-25 (MAX.) INCANDESCENT DOWNLIGHTS

KIRLIN

Detailed Photometry - Installed Fixture

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

RS21131: TEST NUMBER 47027

RS21232: TEST NUMBER 47031

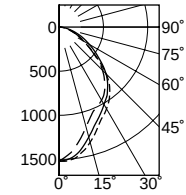
RS21131-15: TEST NUMBER 47026

RS21232-15: TEST NUMBER 47030

RS21131

200W

Efficiency = 69.9%



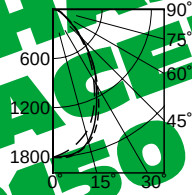
CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1521	1521	1521	1521	1521
5	1510	1517	1492	1458	1435
15	1351	1316	1291	1207	1171
25	1140	1000	1091	927	1002
35	988	720	844	689	892
45	748	516	748	507	892
55	428	353	500	341	430
65	236	215	304	210	243
75	111	109	144	106	111
85	29	34	40	34	31
90	5	8	13	10	10

COEFFICIENTS OF UTILIZATION					
RF	70	80	90	10	10
1	76	73	71	69	67
2	70	66	62	59	57
3	65	60	55	52	50
4	61	54	49	46	45
5	57	50	45	41	40
6	53	46	41	37	36
7	50	42	37	34	33
8	47	39	34	31	30
9	44	36	32	28	28
10	42	34	29	26	26

RS21131-15

200W

Efficiency = 78.1%



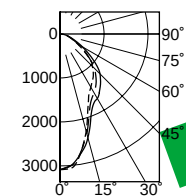
CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1809	1809	1809	1809	1809
5	1815	1820	1798	1774	1750
15	1683	1718	1665	1628	1560
25	1322	1397	1261	1321	1202
35	877	953	879	887	808
45	502	529	496	492	466
55	257	279	233	264	243
65	132	141	132	136	127
75	79	83	79	81	77
85	22	23	24	23	24
90	6	6	6	6	6

COEFFICIENTS OF UTILIZATION					
RF	70	80	90	10	10
1	76	73	71	69	67
2	70	66	62	59	57
3	65	60	55	52	50
4	61	54	49	46	45
5	57	50	45	41	40
6	53	46	41	37	36
7	50	42	37	34	33
8	47	39	34	31	30
9	44	36	32	28	28
10	42	34	29	26	26

RS21232

300W

Efficiency = 68.4%



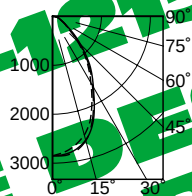
CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	3086	3086	3086	3086	3086
5	3057	3059	2995	2924	2800
15	2294	2316	2143	2289	2348
25	1541	1430	1180	1485	1672
35	1035	983	1567	1031	1420
45	1035	679	1284	687	1109
55	649	468	806	451	677
65	338	293	404	259	348
75	175	152	186	131	180
85	49	47	56	43	57
90	10	9	14	11	15

COEFFICIENTS OF UTILIZATION					
RF	70	80	90	10	10
1	76	73	70	68	65
2	70	65	61	57	54
3	64	58	53	49	46
4	60	52	47	43	40
5	55	48	42	38	35
6	52	44	38	34	31
7	48	40	35	31	28
8	45	37	32	28	25
9	43	34	29	26	23
10	40	32	27	24	21

RS21232-15

300W

Efficiency = 78.1%



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	2849	2849	2849	2849	2849
5	2793	2804	2830	2853	2855
15	2609	2558	2619	2668	2628
25	1906	2056	2021	2113	1970
35	1282	1390	1357	1400	1343
45	724	738	803	782	761
55	351	420	389	421	381
65	185	211	204	211	198
75	119	123	125	123	124
85	35	37	41	40	42
90	6	6	6	6	6

COEFFICIENTS OF UTILIZATION					
RF	70	80	90	10	10
1	76	73	70	68	65
2	70	65	61	57	54
3	64	58	53	49	46
4	60	52	47	43	40
5	55	48	42	38	35
6	52	44	38	34	31
7	48	40	35	31	28
8	45	37	32	28	25
9	43	34	29	26	23
10	41	34	29	26	23

Options

- 14 Dropped Anopul glass. 1-1/4" deep. Not enameled.
- 15 Tempered prismatic flat C#73 lens instead.
- 18 Anopul flat glass. Not enameled. Diffusing.
- 20 White 1/2" cube eggcrate aluminum louver instead of lens.
- 26 Tamper-proof recessed hex, center pin, button door screw with key. One key per ten fixtures. Also see Option -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.
- DG Drop Guard with prismatic C#73 flat glass.
- DH Drop Holophane tempered lens instead for RS21131 only.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____

TYPE _____

WATTAGE _____ VOLTAGE _____

CATALOG NUMBER _____

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION, E.C., IN NORMAL USE. Manufacturer at his option 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 shall not be liable for any other damages, direct or indirect, sustained or incurred by purchaser or any person. This warranty is supplied for the fixture placed at other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor warranty of statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will void this warranty void.