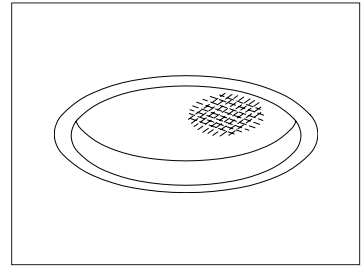


CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

9" 1 A23 200 WATT MAXIMUM

RR00933

Uniform Illumination for MRI: Non-Ferrous Luminaire



Features

Non-Magnetic Lamp/Socket

- Designed for: 200 watt (max.) A23 frosted lamp (by others).
- Dimmable (controls by others).
- For operation on D.C. circuits.
- Glazed porcelain medium base horizontal socket.
- Nickel plated brass screw shell. Silicone leads.

Reflector

- Specular Alzak® aluminum.

Trim Assembly

- Smooth white seamless tapered aluminum self-flanged flare trim.
- Prismatic low brightness spread distribution C#73 lens standard.
- Optional lensed and flat trim available, see Options.
- Non-ferrous torsion springs retain snug fit to ceiling.

Housing

- Cool. Acrylic enameled 100% aluminum.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.

- Dissipates heat across entire surface area.
- Entire luminaire visible and serviceable from below through removable reflector.
- Built-in plaster frame. Also see Option -79.

Outlet Box

- Prewired, 100% aluminum. UL listed.
- Accessible. 1/2" and 3/4" knockouts.

Installation

- Lightweight. Recesses in any ceiling type.
- 27" aluminum hanger bars supplied (2).
- Fully adjustable universal non-magnetic mounting brackets supplied (2).

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (up to 6 #12).
- Supply wire rating: 90°C.

Three Year Limited Warranty

- Complete standard fixture.

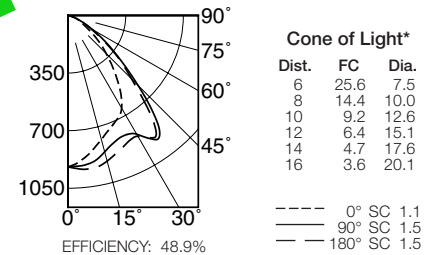
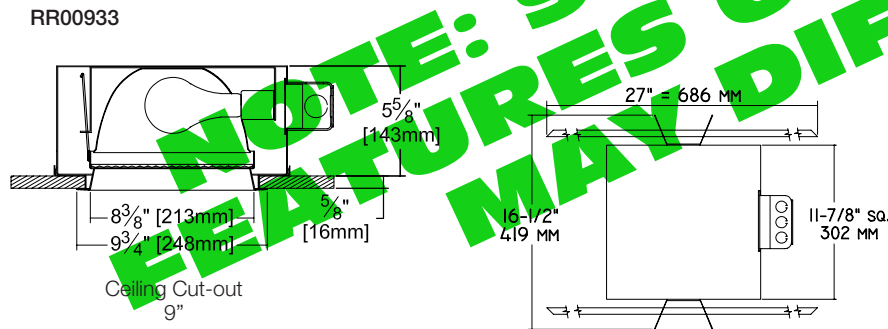
Thermal Protection (Per Current NEC)

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

Recessed Round
Regressed Lensed
Shallow Plenum
MRI

NOT RESTRICTED TO END-OF-RUN USE

Performance at a Glance



Cone of Light Key

- Ft. Distance from fixture
- FC Footcandles at nadir (0°)
- Dia. Circle of light at 50% of FC

* 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 • www.kirlinlighting.com

HEALTHCARE FACILITY
& PATIENT LIGHTING

MAXIMUM WATTAGE

1 A23 200

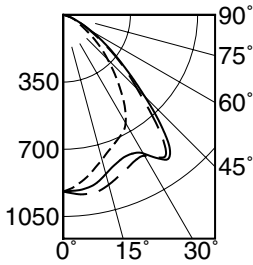
CATALOG NUMBER

RR00933

Detailed Photometry - Installed Fixture

Photometry from I.T.L., Boulder, CO

RR00933 (200 Watt)



--- 0° SC 1.1
— 90° SC 1.5
- · - 180° SC 1.5

EFFICIENCY : 48.9%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	920	920	920	920	920
5	885	896	917	934	938
15	781	805	858	895	916
25	699	732	805	860	852
35	550	738	921	1012	907
45	327	454	600	604	545
55	159	214	273	271	256
65	73	86	97	97	95
75	20	24	26	20	19
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENT OF UTILIZATION							
RF	20						
	RC	80	50	30	10		
RW	50	50	30	10			
1	55	53	51	50	48	47	
2	51	47	46	42	45	43	41
3	47	43	39	37	40	38	36
4	43	38	35	32	37	34	31
5	40	35	31	28	33	30	28
6	37	32	28	25	30	27	25
7	35	29	25	22	28	24	22
8	32	26	23	20	25	22	20
9	30	24	21	18	24	20	18
10	28	22	19	17	22	19	16

ITL TEST #39089

THIS FIXTURE IS NO LONGER AVAILABLE FOR AN ALTERNATIVE PLEASE SEE FIXTURE RR00832

NOTE: SOME DESIGN FEATURES OR OPTIONS MAY DIFFER

Options

- 18 Anopal flat glass. Not enameled. Diffusing.
- 20 Louver, aluminum, egg-crate. 1/2" cube. White.
- 32 Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- 44 Black OptiGroove recessed trim with white flange instead; with C#73 lens or add optional lens.
- 45 Gasket between trim flange and ceiling.
- 46 Gasket between lens and trim.
- 79 Extension collar for up to 2" thick ceiling.
- 94 Custom color flare trim. Consult factory.
- 99 Special modification. Consult factory.
- FR Fresnel lens instead.
- FT Flat white trim instead. Standard with prismatic flat glass, or add Option -18, -20 or -FR.
- TC Teflon safety coating for specified lens. Consult factory.

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 THE LIFE OF THE FIXTURE. THE WARRANTY IS LIMITED TO THE ORIGINAL PURCHASER AND DOES NOT COVER THE FIXTURE IF IT IS REPAIRED, MODIFIED, OR MISUSED. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN UNUSUAL MANNER, OR IF IT IS NOT INSTALLED OR MAINTAINED IN ACCORDANCE WITH THE INSTALLATION AND MAINTENANCE INSTRUCTIONS. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AMBIENT TEMPERATURE EXCEEDS 100°F. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE HUMIDITY EXCEEDS 80%. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH OIL, GREASE, OR OTHER PARTICLES. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH SALT CRYSTALS. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH ACIDIC GASES. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH ALKALINE GASES. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH OZONE. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH SULFUR DIOXIDE. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH NITROGEN DIOXIDE. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH CARBON MONOXIDE. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH LEAD. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH MERCURY. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH CADMIUM. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH CHROMIUM. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH COPPER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH ZINC. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH SILICA. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH FIBER. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH BACTERIA. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH VIRUSES. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH MOLD. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH ALLERGENS. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH TOXIC SUBSTANCES. THE WARRANTY IS VOID IF THE FIXTURE IS USED IN AN AREA WHERE THE AIR IS CONTAMINATED WITH RADIATION. 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