

## Type IC Mini-PAR 4" Downlights

### Features

#### Lamp / Socket

- Designed for: RR30453: 75 watt (max.) PAR 16 tungsten halogen lamp (by others). Also will accommodate PAR 20 / R20 lamps. RR30454: 75 watt (max.) PAR 30 tungsten halogen lamp (by others).
- Rated 2000-2500 hour life; 100 CRI.
- Dimmable (controls by others).
- Glazed porcelain medium base socket.

#### Reflector

- Self-flanged parabolic specular Alzak® aluminum.
- Eleven optional self-flanged colors and finishes available. See Options.

#### 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 removable reflector.
- Built-in plaster frame. Also see Option -79.

#### Outlet Box

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

#### Installation

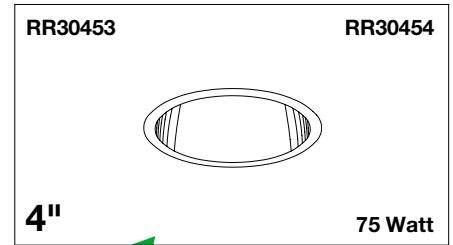
- 27" galvanized hanger bars supplied (2).
- Fully adjustable universal galvanized mounting brackets supplied (2). Accepts 3/4" or 1-1/4" lathers channel or 1/2" T.S. conduit.
- Recesses indoor or outdoor in covered ceilings.
- UL, C-UL (Canada) Listings
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12 AWG 90°C).
- Type IC - Approved for direct contact with insulation.

#### Three Year Limited Warranty

- Complete standard fixture.

#### Thermal Protection (Per Current NEC)

- Thermal protector included which provides automatic cut-off if rated wattage is exceeded.



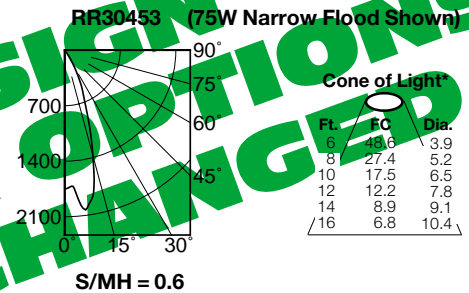
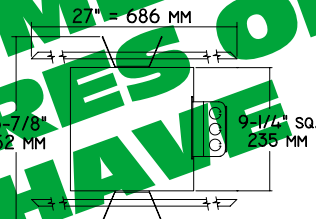
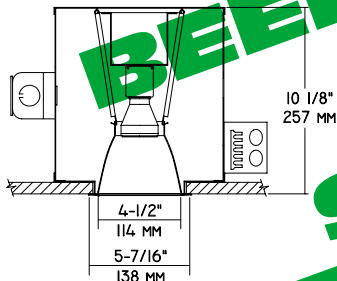
**Type IC - Approved for Direct Contact with Insulation**

**Designed for PAR 16, PAR 20 and PAR 30 Sources**

**11 Optional Reflector Finishes**

### Performance at a Glance

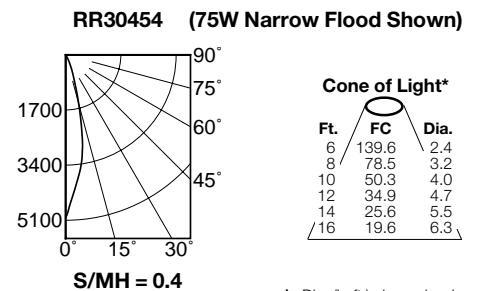
RR30453



RR30454



**Cone of Light Key**  
**Ft.** Distance from fixture  
**FC** Footcandles (average)  
**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

### NEW MILLENNIUM

TUNGSTEN HALOGEN and  
INCANDESCENT LIGHTING

### LAMP

PAR16/20  
PAR 30

### MAXIMUM WATTAGE

75  
75

### CATALOG NUMBERS

RR30453  
RR30454

**RR30453  
RR30454**

**RECESSED ROUND: 75 WATT (MAX.) PAR 16/20 and 30 HALOGEN TYPE IC DOWNLIGHTS**



**Detailed Photometry - Installed Fixture**

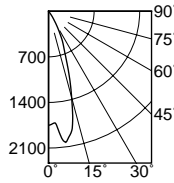
FROM I.T.L. (BOULDER, CO)

RR30453 (75W NFL): TEST NUMBER 46929  
RR30453 (50W NFL): TEST NUMBER 46930  
RR30454 (75W NFL): TEST NUMBER 46931

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION TO N.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 office of manufacturer within three years of original shipment. Liability of manufacturer is limited to the foregoing, 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 to the buyer in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of the fixture, improper installation, repair, or modification of the fixture without prior written authorization from the manufacturer will void the warranty void.

**RR30453**

**75 WATT  
NARROW  
FLOOD**



S/MH 0.6

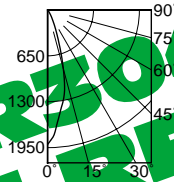
EFFICIENCY = 94.4%

	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	1751	1751	1751	1751	1751
5	1861	1861	1861	1861	1861
15	1372	1372	1372	1372	1372
25	506	506	506	506	506
35	93	93	93	93	93
45	2	2	2	2	2
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

RF	COEFFICIENTS OF UTILIZATION						
	20						
	80		50				
RC	70	50	30	10	10		
1	108	106	104	102	100	99	97
2	104	100	97	94	96	93	91
3	100	95	91	88	92	89	86
4	96	91	86	83	88	84	82
5	93	87	82	79	84	81	78
6	89	83	78	75	81	77	74
7	86	79	74	72	78	74	71
8	83	76	71	69	75	71	68
9	80	73	69	66	72	68	66
10	78	71	66	63	70	66	63

**RR30453**

**50 WATT  
NARROW  
FLOOD**



S/MH 0.5

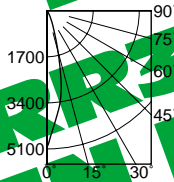
EFFICIENCY = 92.0%

	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	1905	1905	1905	1905	1905
5	1539	1539	1539	1539	1539
15	863	863	863	863	863
25	207	207	207	207	207
35	39	39	39	39	39
45	5	5	5	5	5
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

RF	COEFFICIENTS OF UTILIZATION						
	20						
	80		50				
RC	70	50	30	10	10		
1	106	104	102	100	98	97	96
2	102	98	96	93	94	92	90
3	98	94	90	88	90	88	86
4	95	90	86	83	87	84	82
5	92	86	82	79	84	81	78
6	89	83	79	76	81	78	75
7	86	80	76	73	78	75	72
8	84	77	73	70	76	72	70
9	81	75	71	68	73	70	68
10	79	72	68	66	71	68	65

**RR30454**

**75 WATT  
NARROW  
FLOOD**



S/MH 0.4

EFFICIENCY = 89.8%

	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	5025	5025	5025	5025	5025
5	3949	3949	3949	3949	3949
15	1554	1554	1554	1554	1554
25	317	317	317	317	317
35	44	44	44	44	44
45	13	13	13	13	13
55	3	3	3	3	3
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

RF	COEFFICIENTS OF UTILIZATION						
	20						
	80		50				
RC	70	50	30	10	10		
1	103	101	100	98	96	95	94
2	100	97	94	92	92	90	89
3	97	92	89	87	89	87	85
4	94	89	86	83	86	83	81
5	91	86	82	79	83	80	78
6	88	83	79	76	81	78	76
7	85	80	76	73	78	75	73
8	83	77	74	71	76	73	71
9	81	75	72	69	74	71	69
10	79	73	70	67	72	69	67

**Estimated Multipliers**

- 16 Champagne Gold Alzak®: CP x .98
- 30 White: CP x .98
- 63 Dune Alzak: CP x .97
- 69 Wheat Alzak: CP x .97
- 70 SoftTex Clear: CP x .98
- 71 SoftTex Dune: CP x .95
- 72 Black Alzak: CP x .87
- 90 SoftTex Champagne Gold: CP x .96
- 91 SoftTex Wheat: CP x .95
- 93 Pewter Alzak: CP x .95
- OG Black OptiGroove: CP x .90

**Options**

- 16 Champagne Gold specular Alzak self-flanged reflector. (CP x .98)
- 30 All white reflector, self-flanged. (CP x .98)
- 31 White flange (only) on self-flanged reflector.
- 32 Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- 45 Gasket above reflector flange. Stops dust streaks on ceiling.
- 63 Dune specular Alzak self-flanged reflector. (CP x .97)
- 69 Wheat specular Alzak self-flanged reflector. (CP x .97)
- 70 SoftTex Clear softly etched self-flanged reflector. Resists smudges. (CP x .98)
- 71 SoftTex Dune softly etched self-flanged reflector. Resists smudges. (CP x .95)
- 72 Black specular Alzak self-flanged reflector. (CP x .87)
- 79 Extension collar for up to 2" thick ceilings.
- 90 SoftTex Champagne Gold softly etched self-flanged reflector. Resists smudges. (CP x .96)
- 91 SoftTex Wheat softly etched self-flanged reflector. Resists smudges. (CP x .95)
- 93 Pewter specular Alzak self-flanged reflector. (CP x .95)
- 94 Specular or SoftTex custom color / finish reflector, self-flanged. Consult factory.
- 99 Special modification. Consult factory.
- LP With lamp. Specify wattage, beam spread, style (PAR 16, 20, 30; R20) and color temperature.
- OG OptiGroove black seamless tapered aluminum reflector. White trim, self-flanged. (CP x .90)

**SUBMITTAL DATA**

**APPROVAL STAMP**

JOB NAME \_\_\_\_\_

TYPE \_\_\_\_\_

WATTAGE \_\_\_\_\_ VOLTAGE \_\_\_\_\_

CATALOG NUMBER \_\_\_\_\_