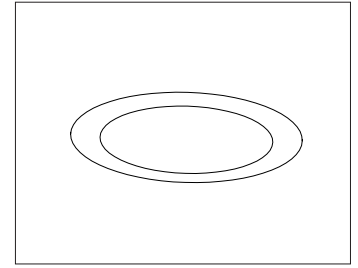


| | | |
|-----------|---------|---------|
| CATALOG # | TYPE | |
| JOB NAME | WATTAGE | VOLTAGE |

4" 1 MR16 50 WATT MAXIMUM

Type IC - IRR-04006

Open Appearance Lensed Downlight Round • Low Voltage



Specifications

Lamp and Optional Filter Holder

- Designed for one 12 volt MR16 lamp (by others): 50 watt maximum.
- For filter holders and up to 2 filters, see Options.

Lampholder

- Heat resistant GX5.3 base porcelain socket.
- 300°C rated double wipe nickel plated contacts provide secure fit and optimal conductivity.
- Securely mounted within aluminum heat sink: protects lamp base, maintains secure fit.
- Insulated lead wires suitable for 250°C operation.

Lamp Module

- All aluminum for maximum heat dissipation and cool operation of entire lamp-socket-trim module.

WhisperPack™ Encapsulated Transformer

- Exclusive WhisperPack™ isolates and envelops transformer with proprietary heat and sound absorbing material.
- Provides longer life and cooler, quieter

operation. Easily accessible through ceiling aperture.

- Electronic dimmable stepdown (120V/12V) 90°C AC transformer. See Options for magnetic or toroidal versions and for 277 volt operation.

Trim

- Specular, clear aluminum self-flanged downlight cone with tempered clear lens on top. Optional lenses, SofTex finishes, colors, Glow Rings and white flange versions available.

Acrylic Enameled Aluminum Housing

- Rustproof and corrosion resistant: Exceeds 1000 hour ASTM 5% salt spray test.
- Dual housing design includes air chamber for maximum heat dissipation.
- Cool operation: Extends life of all components.
- Entire luminaire easily serviced through aperture.
- Built-in plaster flange.
- For Air Tight or Top Access, see Options.

Outlet Box and Thermal Protection

- UL listed J-box with insulated removable

cover. Prewired 14GA (NEC) with ½" and ¾" knockouts.

- Thermal protector (per current NEC) provides automatic cut-off if rated wattage is exceeded.

Installation

- Recesses indoor or outdoor in covered locations.
- Accommodates ceilings up to 1¼" thick.
- Hardware provided suitable for grid or wood joist ceilings with spacing from 14½" to 25½" with ⅝" vertical adjustability.
- For adjustable version see IRR-04018.

UL C-UL (Canada) Listings

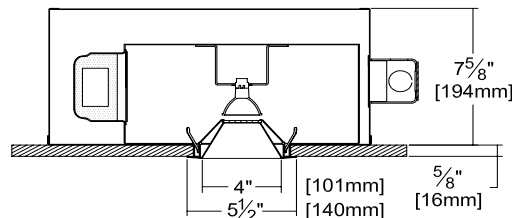
- Wet, damp or dry locations, covered ceilings.
- Type IC. Approved for direct contact with insulation.
- Through-branch conductors (4 #12 AWG 90°C).

Three Year Limited Warranty

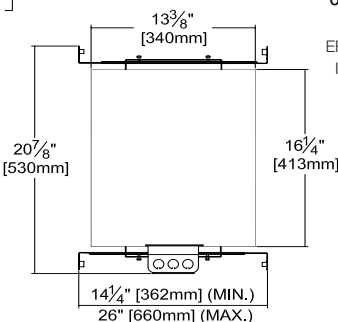
- Complete standard fixture.

Performance at a Glance

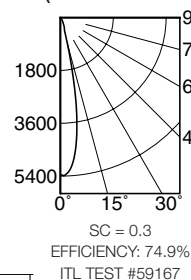
IRR-04006: Type IC



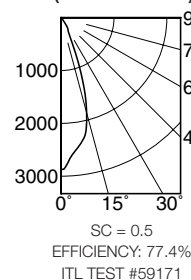
Ceiling Cut-out
5" Dia.



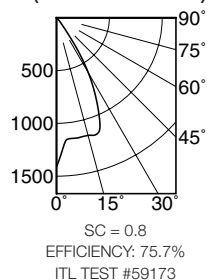
IRR-04006
(50 Watt NFL25)



IRR-04006
(50 Watt FL35)



IRR-04006
(50 Watt VWFL60)



Exceptional
Energy
Efficiency

For adjustable version see IRR-04018

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

LOW VOLTAGE TUNGSTEN
HALOGEN LIGHTING

MAXIMUM WATTAGE

50

CATALOG NUMBER

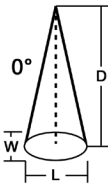
IRR-04006

DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Detailed Photometry - Installed Fixture

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

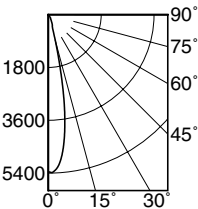
FC on Horizontal Plane



| D | FC | L | W |
|------|-----|-----|-----|
| 4.0 | 335 | 1.5 | 1.5 |
| 6.0 | 149 | 2.2 | 2.2 |
| 7.0 | 109 | 2.6 | 2.6 |
| 8.0 | 84 | 3.0 | 3.0 |
| 9.0 | 66 | 3.3 | 3.3 |
| 10.0 | 54 | 3.7 | 3.7 |
| 12.0 | 37 | 4.4 | 4.4 |
| 14.0 | 27 | 5.2 | 5.2 |

ITL TEST: #59167

Lamp Angle

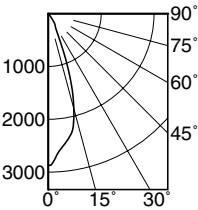


IRR-04006 (50 Watt)

LAMP: OSRAM SYLVANIA
50MR16/IR/NFL25

TRIM: Open Appearance
Specular

EFFIC: 74.9%
SC: 0.3



LAMP: OSRAM SYLVANIA
50MR16/IR/FL35/C

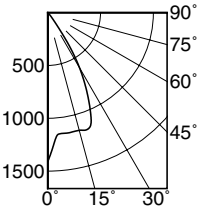
TRIM: Open Appearance
Specular

EFFIC: 77.4%
SC: 0.5



| D | FC | L | W |
|------|-----|-----|-----|
| 4.0 | 180 | 2.4 | 2.4 |
| 6.0 | 80 | 3.6 | 3.6 |
| 7.0 | 59 | 4.2 | 4.2 |
| 8.0 | 45 | 4.8 | 4.8 |
| 9.0 | 35 | 5.4 | 5.4 |
| 10.0 | 29 | 6.0 | 6.0 |
| 12.0 | 20 | 7.2 | 7.2 |
| 14.0 | 15 | 8.3 | 8.3 |

ITL TEST: #59171



LAMP: OSRAM SYLVANIA
50MR16/IR/VWFL60/C

TRIM: Open Appearance
Specular

EFFIC: 75.7%
SC: 0.8



| D | FC | L | W |
|------|----|------|------|
| 4.0 | 88 | 3.7 | 3.7 |
| 6.0 | 39 | 5.5 | 5.5 |
| 7.0 | 29 | 6.4 | 6.4 |
| 8.0 | 22 | 7.3 | 7.3 |
| 9.0 | 17 | 8.3 | 8.3 |
| 10.0 | 14 | 9.2 | 9.2 |
| 12.0 | 10 | 11.0 | 11.0 |
| 14.0 | 7 | 12.9 | 12.9 |

ITL TEST: #59173

Options

Transformer, Wattage and Voltage

- 58 For 277 volt line input.
- MG Magnetic (conventional) transformer instead.
- TD Toroidal magnetic transformer instead.

Lenses - Mounted Above Trim

- 15 C#73 prismatic tempered spread lens.
- FP Frosted prismatic tempered lens
- ML Microprismatic clear tempered lens.

Trims

- 30 All white acrylic enameled cone.
- 31 White acrylic enameled cone flange.
- 32 White oversize trim ring. Specify O.D.
- 33 Decorative tempered glass Glow Ring suspended trim assembly.
- 45 Gasket between trim flange and ceiling.

- 46 Gasket between trim and lens.
- 59 Dark Bronze specular self-flanged cone.
- 60 SofTex Dark Bronze self-flanged cone.
- 63 Dune specular self-flanged cone.
- 69 Wheat specular self-flanged cone.
- 70 SofTex Clear self-flanged cone.
- 71 SofTex Dune self-flanged cone.
- 72 Black specular self-flanged cone.
- 77 SofTex Pewter self-flanged cone.
- 79 Collar for ceilings up to 2 5/8" or consult factory.
- 91 SofTex Wheat self-flanged cone.
- 93 Pewter specular self-flanged cone.
- 94 Custom color/finish. Specify. Consult factory.

Filter Holder / Filters (Specify 1 or 2)

- FL Filter holder on lamp or see Option -TF.
- AM Amber filter.
- CL Clear tempered glass filter.
- DP Dichroic Peach filter.

- GE Green / Botanical filter.
- HX Hexcel louver.
- LN Linear glass filter.
- MB Medium Blue filter.
- MP Softening micropismatic filter.
- PF Crystal prismatic filter.
- PK Pink / Rose filter.
- TF Trim mounted filter holder instead.
- UF Ultraviolet filter.
- XF Filter other than shown. Specify make/model.

Top Access

- TA For servicing from above.

Other

- 99 Special modification. Consult factory.
- AT Air tight version. Exceeds ASTM E283 restricted airflow of 2 CFM maximum.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER