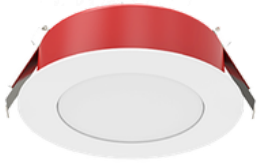
MRFR Series - Fire Rated Downlight

4"/6" Fire Rated Downlight

Fire Rated Downlight

The **MRFR Series Fire Rated Downlight** is designed for residential and commercial applications requiring enhanced fire protection and reliable illumination. Featuring a **2-hour fire-rated construction**, the series helps maintain ceiling fire integrity while delivering high-quality lighting performance. Available in Baffle, Smooth, and Flat trim options, these canless downlights offer flexible design choices for modern interiors.



Flat



Baffle



Smooth

Key Features — Fire Rated Downlight

- **2-hour fire-rated construction**
- Available in 4" and 6" sizes
- Canless slim downlight design
- Available in Baffle, Smooth, and Flat trim styles
- 5CCT selectable: 2700K / 3000K / 3500K / 4000K / 5000K
- High CRI 90+ for accurate color rendering
- TRIAC dimming compatible
- Easy installation for new construction and retrofit projects



2 HOUR FIRE RATING

WET LOCATIONS

IC RATED

ENERGY STAR

TITLE 24

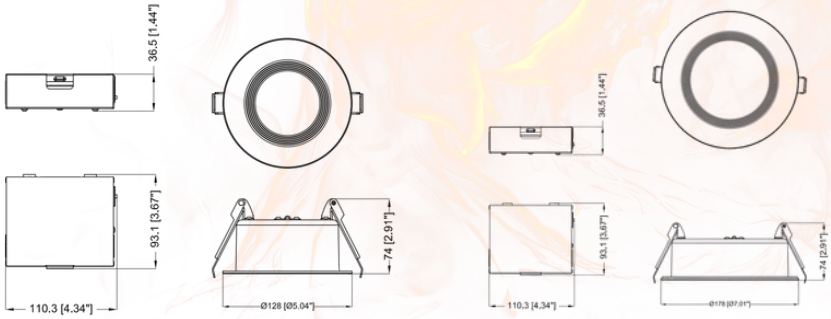
RoHS COMPLIANT

DIMMABLE

5 YEARS LTD WARRANTY

	4 Inch	6 Inch
Color Temp.	5CCT	5CCT
Wattage	10W	15W
Lumens	800LM	1100LM
Voltage	120V	120V
Dimming	TRIAC	TRIAC
CRI	90+	90+

Dimension



Item Number	A(Diameter)	B(Hight)	Hole Size
4 Inch	5.04"	2.91"	4.25"
6 Inch	7.01"	2.91"	6.3"

Website: www.mwledlighting.com Email: Info@mwledlighting.com Location: 15250 Stafford St, City Of Industry, CA91744

MRFR Series - Fire Rated Downlight

4"/6" Fire Rated Downlight

MWLIGHTING

Technical Summary

Item Number	Description	Wattage	Lumens	Color Temp.	Voltage	CRI	Dimming
MRFR410W-BA-5CCT	4" Fire Rated Canless Baffle	10W	800LM	27K/30K/35K/40K/50K	120V	90+	TRIAC
MRFR615W-BA-5CCT	6" Fire Rated Canless Baffle	15W	1100LM	27K/30K/35K/40K/50K	120V	90+	TRIAC
MRFR410W-SM-5CCT	4" Fire Rated Canless Smooth	10W	800LM	27K/30K/35K/40K/50K	120V	90+	TRIAC
MRFR615W-SM-5CCT	6" Fire Rated Canless Smooth	15W	1100LM	27K/30K/35K/40K/50K	120V	90+	TRIAC
MRFR410W-FL-5CCT	4" Fire Rated Canless Flat	10W	800LM	27K/30K/35K/40K/50K	120V	90+	TRIAC
MRFR615W-FL-5CCT	6" Fire Rated Canless Flat	15W	1100LM	27K/30K/35K/40K/50K	120V	90+	TRIAC

Construction

- 2-hour fire-rated housing for enhanced safety
- Slim canless design for shallow ceiling installations
- Durable aluminum construction for heat dissipation
- Available in multiple trim finishes and styles

Optics

- High-efficiency LED light source
- Smooth and uniform illumination
- 5CCT selectable color temperature design
- CRI 90+ for enhanced visual comfort and color accuracy
- Low-glare lighting performance

Driver

- Integrated LED driver
- 120V input voltage
- Supports TRIAC dimming
- Stable and flicker-free operation

Mount

- Can-less recessed installation with spring clips for secure, tool-free mounting
- Suitable for new construction and remodel applications
- Compatible with optional mounting accessories:
  - Mounting Plate for 4"/6"/8" (MRSDMP-468)
  - Mounting Plate with Junction Box for 2"/3"/4"/6"/8" (RBMP-2468-JB)
  - Mounting Plate for 2"/3"/4"/5"/6" (MRSDMP-23456)
- Wet location rated, suitable for bathrooms and covered outdoor ceilings

Dimmer Compatibility

Compatible with most standard TRIAC (forward phase) dimmers, supporting dimming down to 10%; see recommended dimmer list for tested models.

Lutron:
- DVCL-153PR
- MACL-153MLH-WH
- P-PKG1V-WH-R
- STCL-153MH-WH

Leviton:
- R11-DSL06-1TW
- R00-RNL06-0TV
- R68-06674-P0T
- R02-D26HD-1RW

Legrand:
- RHCL453PNICCV4

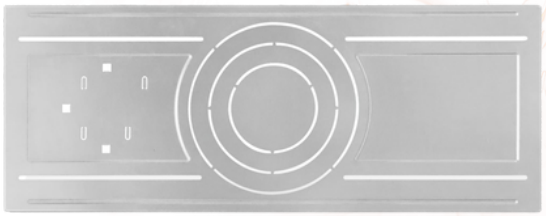
MWLIGHTING

MRFR Series - Fire Rated Downlight

Project Name:	
Prepare By:	
Date:	
Contact/Phone:	

Accessories (SOLD SEPARATELY)

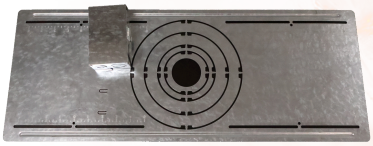
Mounting plate for 4"/6"/8" can-less downlight



Mounting plate for 2"/3"/4"/5"/6" can-less downlight



Mounting Plate With Junction Box 2"/3"/4"/6"/8"



25W Emergency Driver



3/10 Ft Extension Cord



	Item Number	Description
	MRFR410W-BA-5CCT	4" Fire Rated Canless Baffle
	MRFR615W-BA-5CCT	6" Fire Rated Canless Baffle
	MRFR410W-SM-5CCT	4" Fire Rated Canless Smooth
	MRFR615W-SM-5CCT	6" Fire Rated Canless Smooth
	MRFR410W-FL-5CCT	4" Fire Rated Canless Flat
	MRFR615W-FL-5CCT	6" Fire Rated Canless Flat

Accessories (SOLD SEPARATELY)

	Item Number	Description
	RBMP-2468-JB	Mounting Plate With Junction Box 2"/3"/4"/6"/8"
	MRSDMP-468	Mounting plate for 4”/6”/8” can-less downlight
	MRSDMP-23456	Mounting plate for 2"/3"/4”/5"/6" Can-less downlight
	MHV-25W-EM-110V	25W Emergency Driver
	M3FTCABLE	3 Ft Extension Cord for Can-less Downlight
	M10FTCABLE	10 Ft Extension Cord for Can-less Downlight