



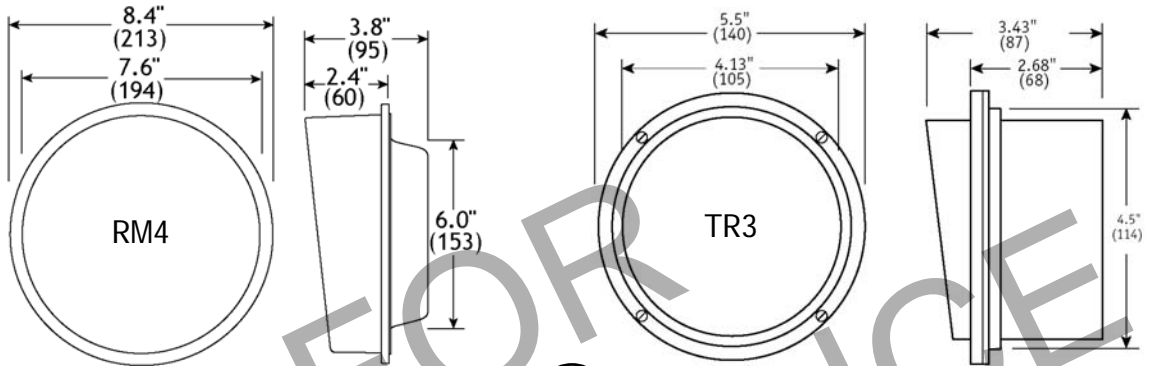
High-Reliability 120V LED Rail Signal Modules for Westinghouse Rail Systems Australia

1 Features & Benefits

- High efficiency and long life LED light source
- Constant light output over voltage range
- Wide viewing angle
- Self-contained sealed unit with UV stabilized shell
- Pre-focused beam
- Designed for direct retrofit into 8" (210 mm) and 5.5" (140 mm) signal housing

2 Mechanical Outlines

Dimensions in inches (millimeters in parentheses)



3 Design Compliance

Characteristic	Rating
Environmental Limits	AREMA Part 11.5.1 - Class B
Dielectric Requirement	AREMA Part 1.4.1
Electrical Surge Protection	AREMA Part 11.2.1 - Tertiary
Safety Assurance	AREMA Part 17.3.1
Safety Integrity Level	SIL 2

4 General Specifications

Parameter	Rating
Nominal Voltage	120 V AC (50/60 Hz)
Operating Voltage Range	85 to 135 V AC (50/60 Hz)
Voltage Turn-Off (VTO)	45 V AC
Power Surge	360 Vrms for 80 ms
Operating Temperature	-40 to +70°C (-40 to +158°F)

5 Product Characteristics

Model Number	Dominant Wavelength (nm)	Nominal Power (W)	Peak Intensity ¹ (cd)	Nominal Field Angle	Housing Diameter
Main Signal Modules					
RM4-RCFB-25A-70	626	7.0	300	38°H x -21°V	8" (210 mm)
RM4-YCFB-43A-70	591	11.0	350	38°H x -24°V	8" (210 mm)
RM4-GCFB-25A-70	498	7.5	500	41°H x -14°V	8" (210 mm)
Position Light Signal Modules					
TR3-RCFB-301A-70	626	3.5	65	43°H x 43°V	5.5" (140 mm)
TR3-WCFB-301A-70	—	3.5	100	34°H x 34°V	5.5" (140 mm)

Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions.

¹ This is a minimum initial value at Ta = 25°C.

