



FRONTIER SERIES



FEATURES / BENEFITS

- ▲ IP67 rated for wet locations
- ▲ Modular system with optional onboard constant current drivers & IP rated connectors reduces power supply & wiring costs
- ▲ Choice of 5 optical patterns
- ▲ Choice of LED colors & color temperatures
- ▲ 70% lumen maintenance @ 50,000 hrs at max ambient temp
- ▲ Self cleaning “flush” lens design
- ▲ Utilizes the latest high efficiencies LED technology; >80 lumens for cool white, >70 lumens for neutral white >50 lumens for warm white
- ▲ ETL listed to UL2108 standards for wet, damp & dry location (pending)

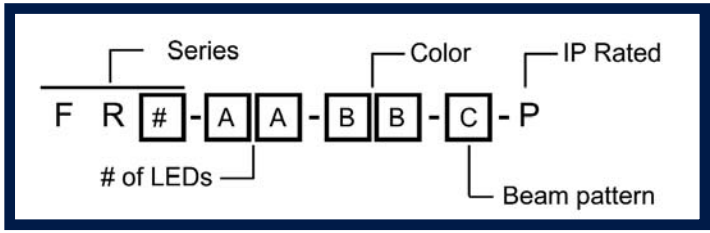
OPERATING CONDITIONS

- ▲ Ambient temperature = -40 to +50°C (-40 to 122°F)
- ▲ FR2 input voltage = 12V AC/DC
- ▲ FR2 power consumption = 8.5W / ft
- ▲ Max of 16’ of fixtures can be connected together

APPLICATIONS

- ▲ Wall washing
- ▲ Flood lighting
- ▲ Facade lighting
- ▲ Building grazing
- ▲ Cove lighting
- ▲ Sign lighting

ORDERING INFORMATION



MATERIALS/FINISH

- ▲ Anodized aluminum construction
- ▲ UV stable polycarbonate lens
- ▲ IP67 rated quick connect plug system
- ▲ 6 LUXEON® Rebel™ LEDs per foot
- ▲ Dialight Lumidrives PMMA optics
- ▲ Two stainless steel mounting brackets included
- ▲ End plugs included (Input & extension cables sold separately)

Drive System (#)	# of LEDs / Length (AA)	Color (BB)	Beam Pattern (C)	Connectors (sold separately)
1 = Requires constant current driver 2 = On board drive version - requires 12 VDC	06 = 6 LEDs (12.01" / 305mm) 24 = 24 LEDs (47.90" / 1217mm)	CW = Cool White 5300K / min *80 lumen	S = 5 degree spot M = 15 degree medium W = 25 degree wide V = 5x20 degree oval D = 7 degree diffused spot all angles are half divergence	FR-EXTEND = 10 foot (3.05 meter male to female extension cable) FR-START = 20 foot (6.10 meter start connector, wire ends to female input connector)
		NW = Neutral White 4100K / min *70 lumen		
		WW = Warm White 3000K / min *50 lumen		
		Special colors available, consult factory		

* LED data is manufacturers test data at 25°C Tj. Light output at max ambient temperature will be approximately 10-15% lower. Optics & lens will reduce fixture light output by additional 15-18%.



MECHANICAL DIMENSIONS

FR1-06 : 12.01" x 2.25" x 1.13"
(305.05mm x 57.15mm x 28.7mm)

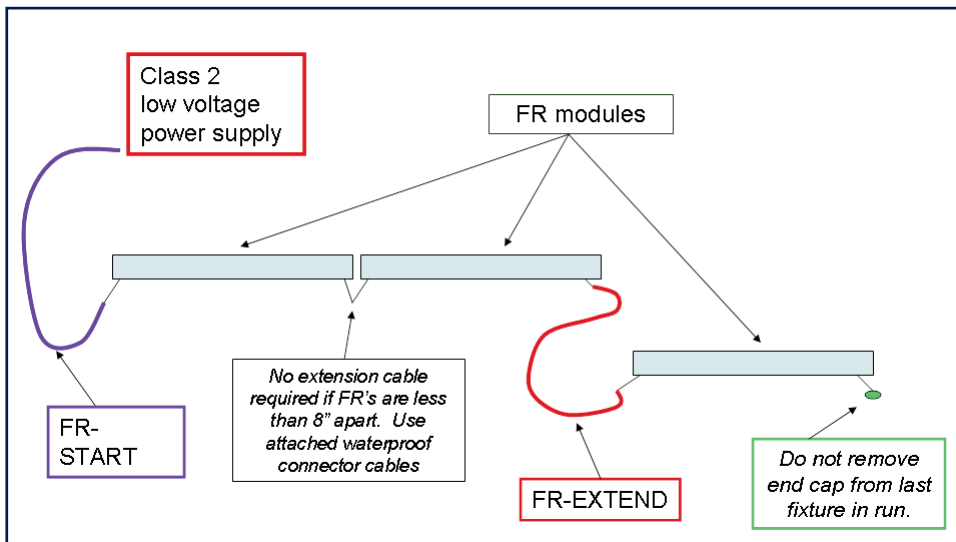
Input cable length = 12" w/ male connector

FR1-24 : 47.9" x 2.25" x 1.13"
(1.22m x 57.15mm x 28.7mm)

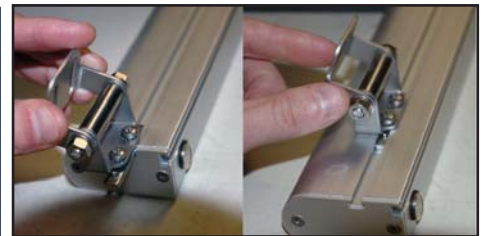
Output cable length = 2" w/ female connector

Max spacing between fixtures without extension cable = 8" Dimensions do not include mounting bracket
Bracket height = 1.6" [40.6mm] when fully extended

WIRING INFORMATION



MOUNTING BRACKETS



Step 1) Slide tab on mounting bracket into channel on side or back of module.

Step 2) Move bracket to desired location, tighten screws to lock mounting bracket into module.

Note: For maximum stability, brackets should be secured close to ends of FR module.

PHOTOMETRIC DATA

IES 32 files available - consult factory

Dialight reserves the right to make changes at any time in order to supply the best product possible.

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