

RIFOCS Corporation

Classification:

Master Specifications

Document Title:

751R Series LED Source Modules

Document No.:

0751-00

Revision: **A**

Pages: **1 of 3**

1.0 PURPOSE

To describe the Master Engineering Specifications for the 751R Series LED Source Modules.

2.0 SCOPE

This document describes the Master Engineering Specifications for the 751R Series LED Source Modules. These specifications describe the product as is.

For certain parameters, the document indicates what the product specifications are.

All internally and externally published product documentation shall derive from this document. It is the responsibility of the publisher of the product documentation to assure that the technical information reflects the data given in the master specifications. Publishing better performance figures or withholding certain parameters is at the discretion of the publisher.

3.0 REFERENCES

Not Applicable

4.0 DEFINITIONS

Not Applicable

5.0 RESPONSIBILITY

Engineering personnel are responsible for the accuracy of the data contained within the master specifications.

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0751-00Revision: **A**Pages: **2 of 3****6.0 MASTER SPECIFICATIONS**

CHARACTERISTIC	SPECIFICATIONS		
Models	751R-1300	751R-1550	751R-850
Wavelength (Mean) ¹ Nominal Range	1310nm (1270nm to 1345nm)	1550nm (1530nm to 1565nm)	850nm (845nm to 875nm)
Spectral width FWHM ²	< 150nm	< 240nm	<70nm
Wavelength stability	+ 2nm (+10°C to +30°)		
Power stability, 12 hours	+ 0.02dB (after 15 min. warm-up), +20°C to +25°C at Rated Power Levels		
Internal launch fiber	125/140 µm SI		
Output power ³ (into 100/140 µm GI fiber) Minimal Typical	-17dBm -17dBm at 85%	-20dBm -20dBm at 85%	-13dBm -13dBm at 85%
Modulation	4 Hz to 1kHz (period is adjustable in 1ms steps)		
Connector interface	Universal Connector Interface with full range of adapters available.		
Environmental: Operating temp. Storage temp. Humidity	+0°C to +50°C -15°C to +70°C 0 - 95% RH, non-condensing		
Dimensions	12.9 x 3 x 26.2 cm (5 x 1.17 x 10.22 in.)		
Shipping dimensions	30.48 x 22.86 x 10.16 cm (12 x 9 x 4 in.)		
Weight	310 g (10.85 oz)		
Shipping weight	604 g (1.34 lbs.)		
CE	passed		

Specifications subject to change without notice.

1 The mean wavelength is the geometrical average of all emitted power from the LED.

2 The FWHM value is the calculated width of the geometrical average.

3 Measured per FOTP 95

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Specifications	751R-660
Central Wavelength ⁽¹⁾ Nominal Range	660nm 640 - 680nm
Spectral Width (FWHM) ⁽¹⁾	≤40nm
Power Stability ⁽¹⁾	±0.25dB
Power Output (into 200/230 fiber) ⁽²⁾	-15dBm ±1dB
Modulation	4Hz to 1Kz (programmable)
Connector Interface	Snap-On Connector (SOC) Interface
Environment Operating Storage	+5°C to +35°C (0 - 95% RH, non-condensing) -15°C to +60°C (0 - 95% RH, non-condensing)
Module Width	6E

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¹ Within specified ambient environment of + 20°C to 25°C² Fiber is: 200µm core
230µm cladding
Step Index
0.37 N.A.

Supplier: Spectran HCP-M0200T-A01VS-08