

# SPLITLIGHT™

Ultra High-Density Splitter Solutions



## Features...

- Up to 128 splitters in a single rack unit
- Varying split ratios available within a single chassis
- Single-mode or multimode fiber support
- Multiple splitter types supported simultaneously

## Benefits...

- Reduces footprint of monitoring solutions
- Scales from 8 to 128 splitters
- Maximizes flexibility
- Minimizes insertion loss
- Enhances reliability without sacrificing performance

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## Scalable

M2Optics' SPLITLIGHT™ ultra high-density splitter solutions provide the highest density and scalability of splitters available in a single RU. With SPLITLIGHT™, data centers, carriers, enterprise, and government entities can monitor more fibers than ever before without taking up valuable rack space.

The SPLITLIGHT™ product line consists of two chassis: Standard and High-Density (HD). The standard chassis is available in 1x2/3/4/8 splitter configurations to monitor 8 to 64 fibers. Depending on the configuration LC/SC/MTP connectors can be used. The HD chassis is available in 1x2/3/4/8+ splitters for monitoring 72 to 128 fibers. The HD chassis is equipped with MTP connectors. For other connector options, please call us.

## Flexible

SPLITLIGHT™ is an extremely flexible solution with support for the following:

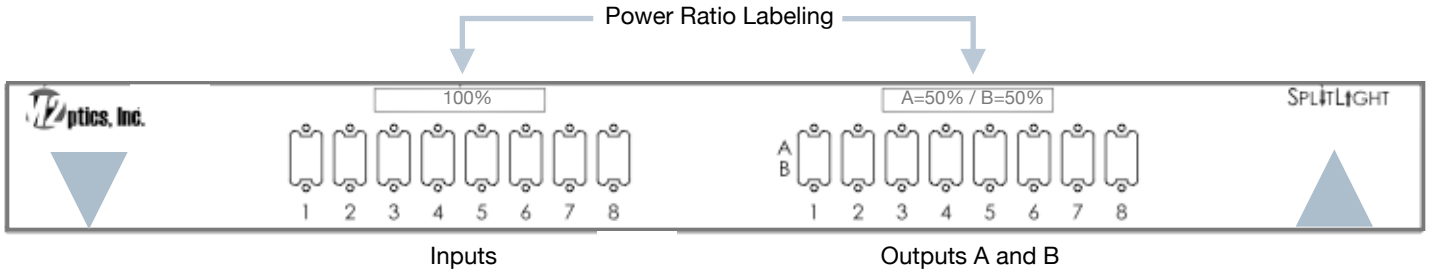
- Power ratios from 50/50 to 90/10 (can be mixed)
- Single-mode or multimode fiber
- MTP, LC, or SC connector options on both chassis
- Multiple splitter types (1x2, 1x3, 1x4, 1x8, others available upon request)

In addition, SPLITLIGHT™ chassis provide the option to be front or rear rack-mounted.

## Reliable

For the best possible performance and reliability, SPLITLIGHT™ uses premium low-loss splitters. In addition, the HD chassis uses MTP-12 Elite Connectors from USConec™ to keep insertion loss at an absolute minimum. Each connection is diligently tested prior to shipment.





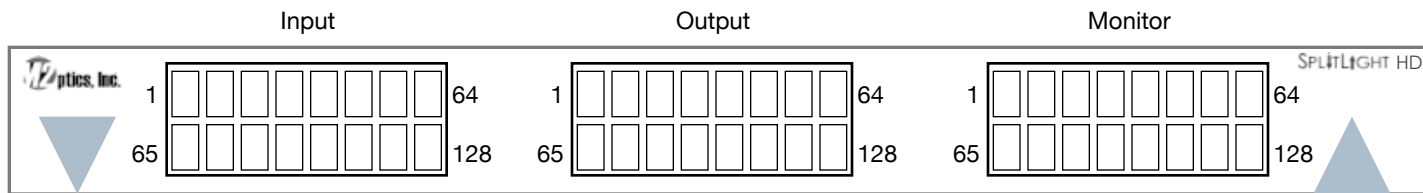
## SPLITLIGHT™ STD SPECIFICATIONS

DESCRIPTION	MAX
Operating Wavelength (nm)	1260-1650
Fiber Type	SMF-28 (for Multimode OM- <i>n</i> )
Insertion Loss (dB)	4.2 @ 50:50 (incl. connectors)
Loss Uniformity (dB)	0.4
Polarization Dependent Loss (dB)	0.2
Return Loss (dB)	55
Directivity (dB)	55
Wavelength Dependent Loss (dB)	0.3
Operating Temperature (°C)	-40 to 85
Storage Temperature (°C)	-40 to 85
Dimensions (inches)	19"W x 13"D x 1.75" H

## Ordering Information for HD Splitter Shelf (13" Depth)

SPL -	STD				
Chassis	13"D = STD	Splitter Type	Splitter Qty	Power Ratio	Fiber Type
	20"D = HD	1x2	008 to 064	50/50 = 1	SM = 1
		1x3		60/40 = 2	MM = 2
		1x4		70/30 = 3	
		1x8		80/20 = 4	
		Other		90/10 = 5	
				Mixed = 6	
				Other = 7	
					Connector
					MTP-12 = 01
					LC-APC = 02
					LC--UPC = 03
					SC = 04
					Other = 05

M2 Optics reserves the right to change the specifications listed here at any time.



## SPLITLIGHT™ HD SPECIFICATIONS

DESCRIPTION	MAX
Operating Wavelength (nm)	1260-1650
Fiber Type	SMF-28 (for Multimode OM- <i>n</i> )
Insertion Loss (dB)	4.6 @ 50:50 (incl. connectors)
Loss Uniformity (dB)	0.4
Polarization Dependent Loss (dB)	0.2
Return Loss (dB)	55
Directivity (dB)	55
Wavelength Dependent Loss (dB)	0.3
Operating Temperature (°C)	-40 to 85
Storage Temperature (°C)	-40 to 85
Dimensions (inches)	19"W x 20"D x 1.75" H

## Ordering Information for HD Splitter Shelf (20" Depth)

SPL -	HD					
Chassis	13"D = STD	Splitter Type	Splitter Qty	Power Ratio	Fiber Type	Connector
	20"D = HD	1x2	048 to 128	50/50 = 1	SM = 1	MTP-12 = 01
		1x3		60/40 = 2	MM = 2	LC-APC = 02
		1x4		70/30 = 3		LC--UPC = 03
		1x8		80/20 = 4		SC = 04
		Other		90/10 = 5		Other = 05
				Mixed = 6		
				Other = 7		

M2 Optics reserves the right to change the specifications listed here at any time.