

IllumiCore®+ MTP® Modules

DMSI offers IllumiCore®+ Ultra Low Loss modules that use the same low loss MTP® components as the standard IllumiCore® modules but use specially selected LC connector components that exceed IEC Grade B random mating, and meet project performance of IEC Grade A.

By using IllumiCore®+ modules, typical LC connector insertion loss of .07db can be achieved, with a maximum value of .15db. These modules are standard with internal shuttered adapters and are manufactured using a visually identifiable polished black nickel finish.



IllumiCore®+ PRM

The PRM family uses a similar modular design to Classic, but with a much smaller dimension. The smaller dimension allows for an increase in fiber capacity. The 1U can hold 96 fibers, or 4 modules.

The 2U enclosure holds 8 modules, and the 4U can accept an option of 12 modules if installed vertically, or 16 modules installed vertically.

LGX Compatible

The LGX compatible module is the most shared cassette dimension in the industry. The design is used by manufacturers both big and small and are fully compatible with each other's hardware.

This design is configured in a density of 3 modules per 1U, 6 per 2U, and 12 per 4U. Customized enclosure options are available to be configured to specific requirements.

	MM MT Elite® Multimode MT Ferrule	SM MT Elite® Single- mode MT Ferrule
Insertion Loss	0.1 db Typical (All Fibers) 0.35db Maximum (Single Fiber) ^{2,3,5}	0.1 db Typical (All Fibers) 0.35db Maximum (Single Fiber) ^{1,4,5}
Return Loss	>20db ⁵	>60db(8° Angle Polish) ⁵

Illumicore®+ MTP® Modules

ILLUMICORE®+ CLASSIC ORDERING INFORMATION

LAFCC-24Y-3446	IllumiCore®+ MTP® Module, Ultra Low Loss Performance Grade A, typical .07db IL single fiber, Classic, MTP® pinned to LC shuttered duplex, 24F, OS2, Polarity A, polished black nickel
LAFCC-24G-3446	IllumiCore®+ MTP® Module, Ultra Low Loss Performance Grade A, typical .07db IL single fiber, Classic, MTP® pinned to LC shuttered duplex, 24F, OM3, Polarity A, polished black nickel
LAFCC-24M-3446	IllumiCore®+ MTP® Module, Ultra Low Loss Performance Grade A, typical .07db IL single fiber, Classic, MTP® pinned to LC shuttered duplex, 24F, OM4, Polarity A, polished black nickel

ILLUMICORE®+ LGX COMPATIBLE ORDERING INFORMATION

LAFCX-24Y-3446	IllumiCore®+ MTP® Module, Ultra Low Loss Performance Grade A, typical .07db IL single fiber, LGX Compatible, MTP® pinned to LC shuttered duplex, 24F, OS2, Polarity A, polished black nickel
LAFCX-24G-3446	IllumiCore®+ MTP® Module, Ultra Low Loss Performance Grade A, typical .07db IL single fiber, LGX Compatible, MTP® pinned to LC shuttered duplex, 24F, OM3, Polarity A, polished black nickel
LAFCX-24M-3446	IllumiCore®+ MTP® Module, Ultra Low Loss Performance Grade A, typical .07db IL single fiber, LGX Compatible, MTP® pinned to LC shuttered duplex, 24F, OM4, Polarity A, polished black nickel

ILLUMICORE®+ PRM ORDERING INFORMATION

LAFCP-24Y-3446	IllumiCore®+ MTP® Module, Ultra Low Loss Performance Grade A, typical .07db IL single fiber, PRM, MTP® pinned to LC shuttered duplex, 24F, OS2, Polarity A, polished black nickel
LAFCP-24G-3446	IllumiCore®+ MTP® Module, Ultra Low Loss Performance Grade A, typical .07db IL single fiber, PRM, MTP® pinned to LC shuttered duplex, 24F, OM3, Polarity A, polished black nickel
LAFCP-24M-3446	IllumiCore®+ MTP® Module, Ultra Low Loss Performance Grade A, typical .07db IL single fiber, PRM, MTP® pinned to LC shuttered duplex, 24F, OM4, Polarity A, polished black nickel

Note: For 12 fiber modules, replace the "24" with "12"