1. Overview

Xlight F/O Fix & Slide Cassette Trays provide inter-connection or cross-connection between indoor / outdoor F/O cables, vertical main F/O cable and network equipment. The Trays can be installed with LC-MPO Cassettes, LC, SC and MPO Adapters Plates, Splice Cassette and other functional modules. It supports both the Splicing and the Pre-termination methods. The Xlight Trays are suitable for standard 19 inch equipment, cabinet or rack installation, bridge hoisting, etc. The line includes: 1U Fix Tray, 1U Slide Tray, 2U Slide Tray (by demand) and 4U Slide Tray. The 1U type supports maximum 48 cores splicing (Duplex LC adapters) or pre-terminated 96 cores (double LC adapters). The 2U supports maximum 96 core splicing (Duplex LC adapters) or pre-terminated 192 cores (Duplex LC adapters). 4U supports maximum 192 core splicing (double LC adapters) or pre-terminated 384 cores (Duplex LC adapters).

2. Products description and accessories

2.1. Products and related supporting parts include Xlight Cassette Trays, Xlight Cassettes, Xlight Adapters Plates, F/O Trunk Cables, patch cords and accessories.
Xlight F/O Fix & Slide Cassette Trays Installation instructions

Xlight Fix Cassette Tray 1U (for 19” Cabinet installation)

Xlight Fix Tray 1U (for installation under the bridge)

Xlight Slide Cassette Tray 4U

4U Side Brackets
Cable Management side Brackets
Sliding Rails
Front Door

Transparent Cover

Xlight F/O Bridge Hanging Kit X2
2.2. **Product features:**

2.2.1. **Xlight Fixed Tray**
- 1U fixed installation, compatible with Pre-termination and Splice wiring methods
- Pre-terminating wiring, highest configuration density, 96 core (DLC) or 96 (MTP/MPO);
- Standard fusion scheme, density 48 core, convenient and reliable;
- Support high density splicing up to 96 cores;
- Compatible with rack / rack mounting or bridge lifting;
- Compatible card type or lashing type trunk design;
- Transparent upper lid, easy to pull out;
- Ultimate lightweight, only 1.6 kg, support full cabinet installation;
- Ultra compact size, support cabinet double sided installation, room area savings of half;
- Reasonable wiring density design, with 64/128 switch used, can be simplified to 1 kinds of hops
- Wire length, wiring fast and simple;
- Standard 19 inch rack design, size: 440X43.6X257

2.2.2. **1U and 4U Xlight Slide Trays**
- provide 1U and 4U types, suitable for pre-termination routing;
- 1U specifications, product pre-termination, wiring, highest configuration density, 96 core (DLC) or 32 (MTP/MPO);
- 4U specifications, product pre termination, wiring, highest configuration density, 384 core (DLC) or 128 (MTP/MPO);
- Suitable for rack / rack mounting;
- Clamp type trunk design, wiring fast and reliable;
- Transparent upper lid, easy to pull out;
- Professional metal ball silent guide rail, smooth and durable;
- Plug and play operation, position design, maintenance, easy operation and safety;
- Tray can be all out, support all cabinet before installation;
- Standard wire regulator design, aluminum alloy front cover, wiring clean and safe;
- Support cabinet double sided installation, 42U cabinet up to 8064 cores (DLC), save half of the machine room area;
- Reasonable wiring density design, with 64/128 switch used, can be simplified to 1 kinds of hops
- Wire length, wiring fast and simple;
- Standard 19 inch rack design, wire depth 95, 1U body size: 440X43.6X380,
- 4U body size: 440X176X380;
Xlight F/O Fix & Slide Cassette Trays Installation instructions

2.3. Trays Type

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R3203200</td>
<td>Xlight F/O Cassette Tray, Fix, 96F, 1U, w/o Cassette</td>
</tr>
<tr>
<td>R3203201</td>
<td>Xlight F/O Cassette Tray, Slide, 96F, 1U, w/o Cassette</td>
</tr>
<tr>
<td>R3203202</td>
<td>Xlight F/O Cassette Tray, Slide, 384F, 4U, w/o Cassette</td>
</tr>
</tbody>
</table>

2.4. Supplied Accessories

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The Installation Instruction manual</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Square nut assembly (M6 floating nut + cross recessed small pan head screw and washer assemblies M6X16, nickel plated)</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>Reversible tie band/L200*W4.6mm</td>
<td>4*U</td>
</tr>
<tr>
<td>4</td>
<td>Velcro strip /L150*W16mm</td>
<td>4*U</td>
</tr>
</tbody>
</table>

3. Selected functional configuration types and picture

3.1. Adapters Plates

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R3203220</td>
<td>Xlight F/O Blank Plate, Tray 1U</td>
</tr>
<tr>
<td>R3203221</td>
<td>Xlight F/O Adaptors Plate, 6 Duplex LC, MM</td>
</tr>
<tr>
<td>R3203222</td>
<td>Xlight F/O Adaptors Plate, 6 Duplex LC, SM</td>
</tr>
<tr>
<td>R3203223</td>
<td>Xlight F/O Adaptors Plate, 6 Simplex SC, MM</td>
</tr>
<tr>
<td>R3203224</td>
<td>Xlight F/O Adaptors Plate, 6 Simplex SC, SM</td>
</tr>
<tr>
<td>R3203225</td>
<td>Xlight F/O Adaptors Plate, 8 MTP</td>
</tr>
</tbody>
</table>
3.2. Xlight Cassettes

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R3203210</td>
<td>Xlight F/O Cassette, 24F, LC-MTP, SM, G657A2</td>
</tr>
<tr>
<td>R3203211</td>
<td>Xlight F/O Cassette, 24F, LC-MTP, MM, OM3, Bend-Insensitive</td>
</tr>
<tr>
<td>R3203212</td>
<td>Xlight F/O Cassette, 24F, LC-MTP, MM, OM4, Bend-Insensitive</td>
</tr>
</tbody>
</table>

3.3. Xlight accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R3203070</td>
<td>Xlight F/O Splice Tray 24F (each 1U box can hold up to 2 plates)</td>
</tr>
<tr>
<td>R3203071</td>
<td>Xlight F/O Outdoor Cable Install Kit (selects this fitting when the outdoor cable directly enters the devices room, 1 set for each 1U tray)</td>
</tr>
<tr>
<td>R3203074</td>
<td>Xlight F/O Bridge Hanging Kit, Fix Tray 1U</td>
</tr>
</tbody>
</table>
4. Important Installation Notes

Before installing or adjusting this product, please read these instructions carefully. Please keep this guide for future reference.

SAFETY PRECAUTIONS

CAUTION: Before commencing any installation, all personnel must be thoroughly familiarized with all applicable Occupational Health and Safety (OH&S) regulations, local regulations and your company safety practices and policies.

WARNING: To reduce the chance of accidental injury:
Before work begins, all personnel must be thoroughly familiar with the operation of all equipment and procedures to be used during the installation.
Before use, all equipment, especially safety gear, must be inspected and tested for proper operation. Replace and repair as necessary.

Laser Precautions

WARNING: The laser light used to transmit information over optical fibre cables can cause severe eye damage. Because this light is invisible, it will not cause the iris of the eye to contract involuntarily as when viewing a bright visible light, and no pain is felt as the retina is burned

NEVER LOOK INTO THE END OF A FIBRE, OR CONNECTOR, WHICH MAY HAVE A LASER COUPLED TO IT. SHOULD ACCIDENTAL EYE EXPOSURE TO LASER LIGHT BE SUSPECTED, ARRANGE FOR AN EYE EXAMINATION IMMEDIATELY

4.1. During installation, the cable cannot be folded;
4.2. Don’t strap the cable tightly;
4.3. Maintenance of the optical fiber transmission system can only be carried out when all light sources are disconnected. During the installation strongly recommended wearing the safety glasses.

5. General installation

Mounting tool: cross screwdriver / wrench
Installation features: depending on the system configuration, the different options
Installation methods: Pre - termination installation, fusing installation
5.1. **Examples of installation and use of Splicing schemes:**

- **Mount the Required Adapter Plates**
- **Cover the un-used ports with the Blank Plates**
- **Splice Cassette secured with M4 Hex Nuts**
- **Splice Cassettes can be superimposed**
- **Stripped Trunk Cable**
- **Side Entry**
- **Rear Entry Openings**
- **Rear Entry Port**

Schematic diagram of cables routing arrangement in the Splice Cassette
5.2. Pre-termination scheme - installation sample diagram

Pre-terminated F/O connector inserted into the MTP/MPO-LC Xlight Cassette, MTP/MPO adapters at the back. The pre-terminating F/O cable is located at the rear of the Xlight Tray to ensure that the minimum bending radius of the F/O cable in the Xlight Tray meets the optical cable diameter of 20 times.

Connecting the F/O Jumpers to F/O Adapters and to the network device.
In order to do not damage the jumpers, jumpers tying shouldn’t be too tight.
Finally, the Xlight Tray is installed: the M6 square nut assembly is fixed on the rack and the installed position is confirmed in advance.

6. Others

6.1. The Front wires handle

Follow the pictures charts to mount the Handles. Push the handle bottom-up till the “Click”

- “UP” engraving facing up
- The tab hooks the upper edge
- Insert this protruding part into the square hole
- Lock this tab on the notch
The Left and the right sides are connected to cable management.

Break off this small pin. Fasten the cover to the 2 Side Handles by inserting the pin in these holes.

Place the cover (level the cover with the tray and with handles).
6.2. Mounting of Xlight F/O Outdoor Cable Install Kit (R3203071)
If you are extending inside the room the outdoor cable, attach Outdoor Cable Install Kit using M4 cross slot screw on the rear side of the device (as shown).

6.3. The Grid Bridge Hoisting
The Hooks are ordered separately (R3203074 - Xlight F/O Bridge Hanging Kit, Fix Tray 1U)
7. Storage and Transportation

7.1. The Xlight Trays should be stored in a well-ventilated and dry warehouse, and there shall be no corrosive gas around it. The storage temperature is between -25 and ~+55 degrees centigrade.

7.2. Products are packed in cartons, which can be transported by car, train, ship, plane, etc. During transportation, avoid the direct impact, the sunlight exposure, the fall, the rain or the snow.