

FODIS Light®

Open rack system for 19" equipment

Field of Application

FODIS Light® is euroclust's 19" open rack solution. It is used for cable distribution in FTTH networks in the access part as well as in MAN or WAN networks. Optimum accessibility from all sides during assembly and installation due to the open design. Mounting elements conform to various international standards so that all types of 19" equipment can be easily mounted.

Features

- EU designed and manufactured
- Open rack version
- Easy for installation
- Easy access and manipulation
- Designed for assembled euroclust 1U standard patch panels
- Compact design



Product description

The FODIS Light® - 19" open rack solution

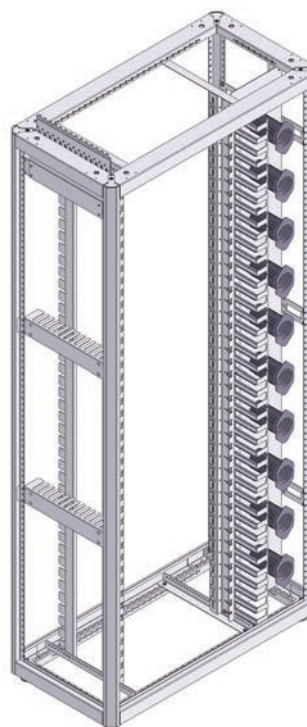
The FODIS Light® is an open rack solution with cable management for mounting 1U standard patch panels. The extruded vertical main frame provides the rack with good structural support and is neat. Cable entry is possible into the top side only. On top of the rack is mounted a cable clamp for secured entry of incoming cables. On the cable clamp can also be fixed a central strength member of the incoming cables. The cable clamp has 14 slots each for 4 tubes. For easy organization of protection tubes, FODIS Light® is equipped with two side protection tube holders and one protection tube guidance; these serve to guide protection tubes with incoming cables safely to the patch panels. For simple management of patchcord cables, there is one side vertical guidance with ten spools. To provide maximum stability, leveling feet are mounted on the bottom of the rack. Racks can be mounted back to back or side to side with the use of joining U-profiles. Full capacity of rack is 42U, recommended installation is 28 1U patch panels and 14 management bars (each in the third position). For technical information about 1U euroclust standard patch panels, please see the separate euroclust datasheet.

Technical specifications

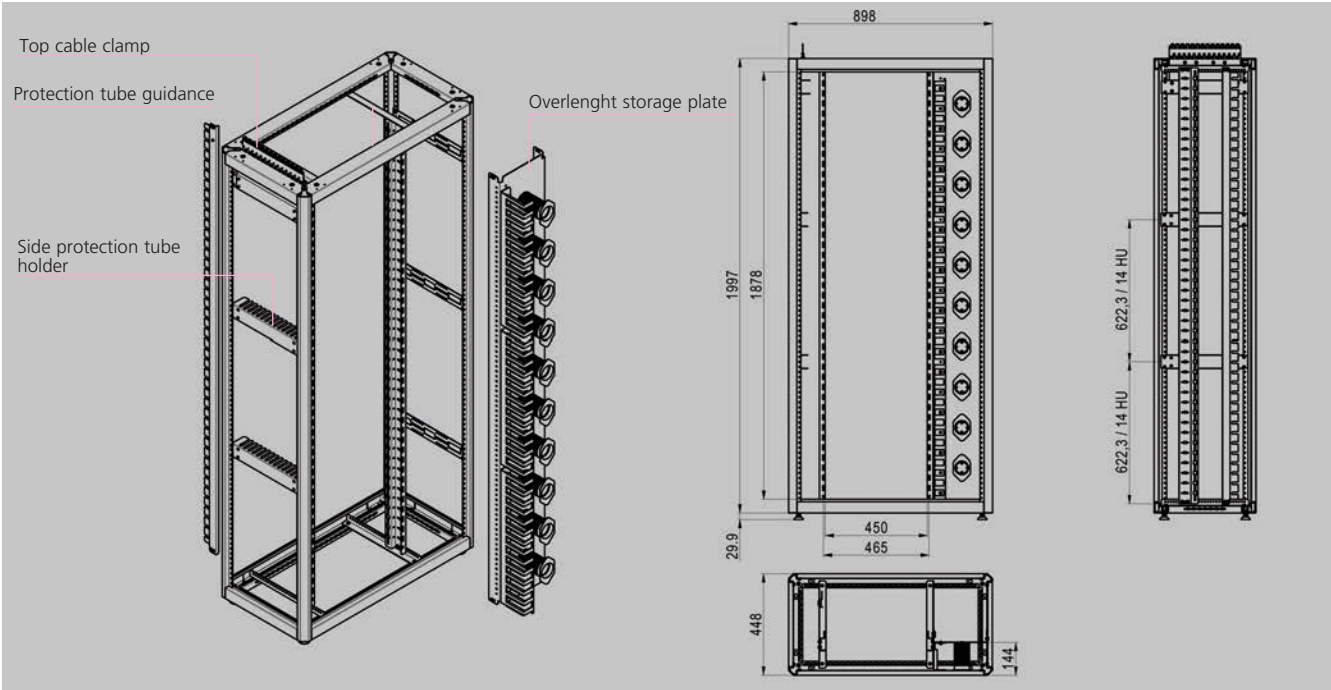
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|--------------|----------------------|
| Color | RAL 7035, light grey |
| Material | Powder coated steel |
| Flammability | UL 94V-0 |

Dimensions

| | |
|-------------------------------|--------|
| Rack height | 2030mm |
| Rack width | 900mm |
| Rack depth | 450mm |
| Rack weight | 60kg |
| Rack Load Capacity | 170kg |
| Max. patch panel depth | 250mm |
| Max. amount of 1U patch panel | 42pcs |



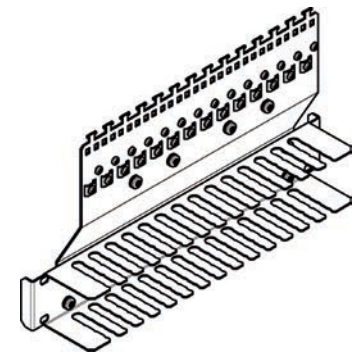
Dimensions



Top cable clamp

Cable clamp set

The FODIS Light® cable clamp set is mounted on the top side of the rack and secures the strain relief element of incoming cables. They also serve as holding point for the cable conduits. Optionally the central strength member of the incoming cable can also be fixed. Each cable clamp has 14 slots for tubes, and in one slot can be mounted 4 corrugated tubes with outer diameter 13mm.



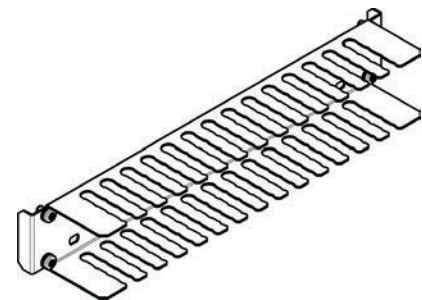
Technical specifications

| | |
|------------|----------------------------------|
| Color | RAL 7035, light grey |
| Material | Powder coated steel |
| Dimensions | 219,3mm x 314mm x 64,7mm (HxWxD) |

Side protection holder tube

Side protection holder tube

The FODIS Light® side protection tube holder sets are mounted in the rack for the management of corrugated tubes. They also serve as holding point for the cable conduits. Each tube holder has 14 slots for tubes, and in one slot can be mounted 4 corrugated tubes with outer diameter 13mm.



Technical specifications

| | |
|------------|-------------------------------|
| Color | RAL 7035, light grey |
| Material | Powder coated steel |
| Dimensions | 60mm x 382mm x 76,8mm (HxWxD) |

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Overlenght storage plate

Overlenght storage plate

The FODIS Light® overlenght storage plate is used for cable guidance of the jumper patchcords. Also provide cable management and storage of fiber optic patchcords routed between two distribution frames. It consists of a frame on which vertical cable guides and spools ($\varnothing = 66$ mm) with end guards are mounted. The dimension of the spools enables safe looping of the patch cords (prescribed minimum radius $R_{min} = 30$ mm).



Technical specifications

| | |
|------------|------------------------------------|
| Color | RAL 7035, light grey |
| Material | Powder coated steel |
| Dimensions | 1917mm x 234,5mm x 179,6mm (HxWxD) |

Protection tube guidance

Protection tube guidance

The FODIS Light® protection tube guidance is mounted in the rack for the management of corrugated tubes. It also serve as holding point for the cable conduits. Each tube guidance has 42 slots for tubes, and in one slot can be mounted 2 corrugated tubes with outer diameter 13mm.



Technical specifications

| | |
|------------|------------------------------|
| Color | RAL 7035, light grey |
| Material | Powder coated steel |
| Dimensions | 1920mm x 70mm x 15mm (HxWxD) |

Scope of delivery

| | |
|-------|---|
| 1 pc | 19" Basic open rack 42HU with four levelling feet |
| 1 pc | Overlenght storage plate - set |
| 1 pc | Top cable clamp - set |
| 2 pcs | Side protection tube holder - set |
| 1 pc | Protection tube guidance - set |

Packing information

The FODIS Light® open rack is packed carefully for a safe transport. Rack is fully mounted in carton box. And than fixed with tightening strip on wooden EU pallet. Dimensions are 120x80x225cm.

Ordering information:

Set:

| | |
|-------------------------------------|-----------------|
| FODIS Light, 19" open rack set 42HU | EC09.000040.101 |
|-------------------------------------|-----------------|

Parts:

| | |
|-----------------------------|----------------------|
| Overlenght storage plate | EC09.000040.101-0002 |
| Protection tube guidance | EC09.000040.101-0004 |
| Top cable clamp | EC09.000040.101-0005 |
| Side protection tube holder | EC09.000040.101-0006 |

Accessories

Protection tube

The FODIS Light® protection tubes are flexible tubes to protect cables incoming to rack directly to the patch panel.

Every FODIS Light® is preinstalled with protection corrugated tubes with outer diameter 13mm. For each 1U standart patch panel is need instaled one protection corrugated tube. Maximum of installed protection corrugated tubes in FODIS Light® is 42 pieces. euroclust offer two variants for order corrugated tubes for FODIS Light. Is possible order 50 meters of non-assembled corrugated tubes or choose levels of rack for pre-assembled with corrugated tubes.

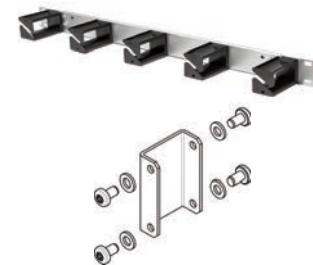


Technical specifications

| | |
|--------------------|-------------------|
| Color | Black |
| Material | Polyamide 6 Nylon |
| Inner diameter | 9,8mm |
| Outer diameter | 13mm |
| Inside bend radius | 25mm |
| Temperature range | -40°C to +120°C |
| Flammability | UL94-V2 |
| Halogen free | Yes |
| Sulphur free | Yes |
| Phosphorus free | Yes |

Simple management bar

The simple management bar can be ordered separately as an accessory for horizontal cable guidance at the FODIS Light®. Simple management bar is with five plastic hooks.



Joining U profile set

Joining set is available for FODIS Light® to mount two rack back to back or side to side. Joining set is mount on the top side of racks. The set includes the joining U profile, screws and washers. For join two racks is need four sets.

Ordering information:

| | |
|---|----------------------|
| Non-assembled corrugated tube 10/13mm 50m | EC09.000040.101-CT50 |
| Pre-assembled corrugated tubes 10/13mm, top level, positions of patchpanels 1 to 8 in rack | EC09.000040.101-CTS1 |
| Pre-assembled corrugated tubes 10/13mm, second level, positions of patchpanels 9 to 16 in rack | EC09.000040.101-CTS2 |
| Pre-assembled corrugated tubes 10/13mm, third level, positions of patchpanels 17 to 24 in rack | EC09.000040.101-CTS3 |
| Pre-assembled corrugated tubes 10/13mm, fourth level, positions of patchpanels 25 to 32 in rack | EC09.000040.101-CTS4 |
| Pre-assembled corrugated tubes 10/13mm, bottom level, positions of patchpanels 33 to 42 in rack | EC09.000040.101-CTS5 |
| Simple management bar | EC03.201000.006-V2 |
| Joining U profile set | EC09.000040.101-0007 |

Assembled Patch panels

euroclust splice ready 1U patch panels

euroclust offer splice ready patch panels can be used in 19" FODIS Light® installation system, from MAN to WAN networks. Through „splice ready“ status by delivery, save time for installers what is especially important in datacenter maintenance, but also by all installations. Available with all types of adapters (SC, LC, FC, ST and E2000. For technical information about 1U euroclust standard patch panel please contact your euroclust partner for separate euroclust datasheets.

