

## FODIS Light® Active

Open rack system for 19" equipment

### Field of Application

FODIS Light® Active is euroclusts 19" open rack solution, designed also for active equipment. 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 extend to closed version
- Increased depth necessary for active equipment
- Integrated cable management on front side
- Integrated incoming cable clamps with protected routing.
- Compact design for small distribution point



### Product description

#### The FODIS Light® Active - 19" open rack solution

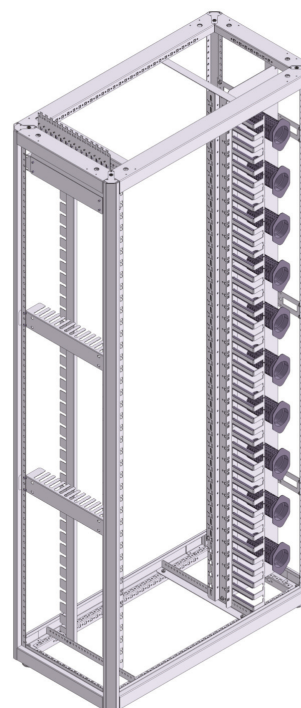
The FODIS Light® Active is open rack solution with cable management for installation of passive and active equipment. Extruded vertical main frame provides the rack with improved structural support. Cable entry is top side only. On top of the rack is mounted cable clamp for secured enter incoming cables. On cable clamp can also be fixed central strenght member of the incoming cables. Cable clamp has 14 slots each for 4 tubes. For easy organization of protection tubes FODIS Light® Active is equipet with two side protection tube holders and one protection tube guidance, these serve that protection tubes with incoming cables are safely conduct to each level. For simple manage patchcord cables serve one side vertical guidance with ten spools. To provide maximum stability are on bottom of rack mounted levelling feet. Racks can be mounted back to back or side to side with use joining U profile. Full capacity of rack is 42U, recommended installation is 28U of equipment and 14 management bars (each third position). On demand is possible to get closed version with doors.

### Technical specifications

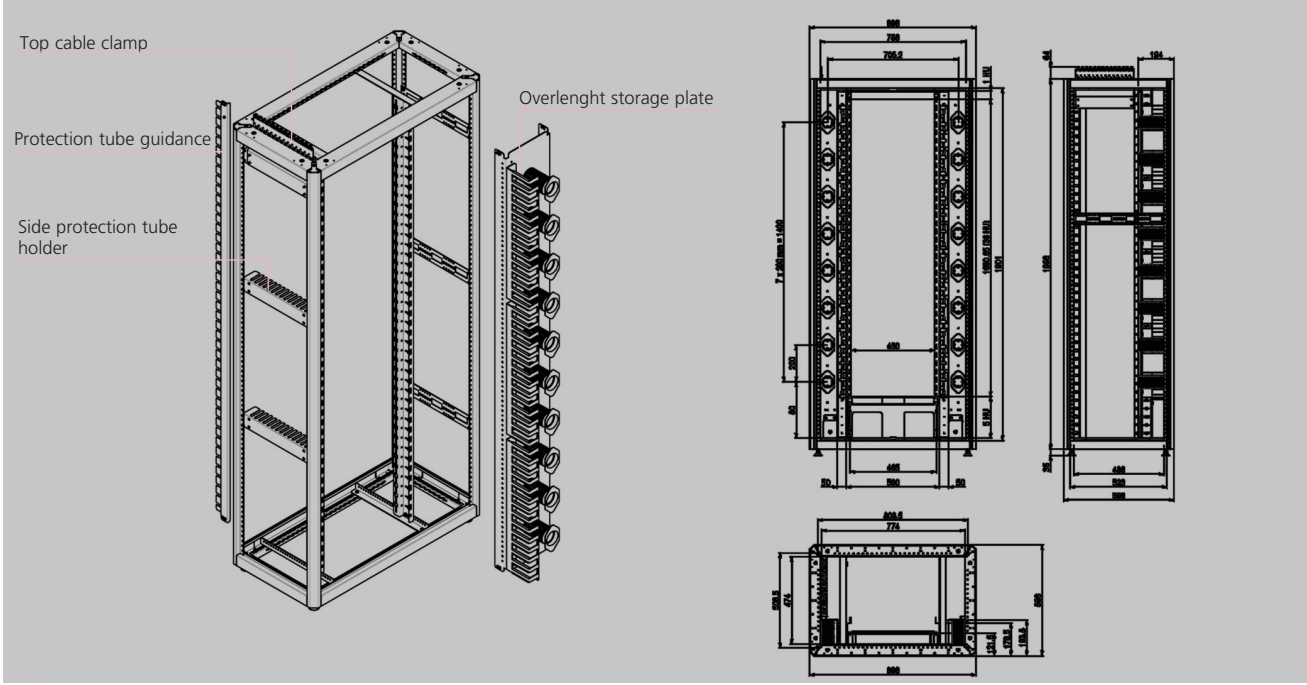
Color	RAL 7035, light grey
Material	Powder coated steel
Flammability	UL 94V-0

### Dimensions

Rack height	2030mm
Rack width	900mm
Rack depth	600mm
Rack weight	70kg
Max. patch panel depth	420mm
Max. amount of 1U patch panel	42pcs



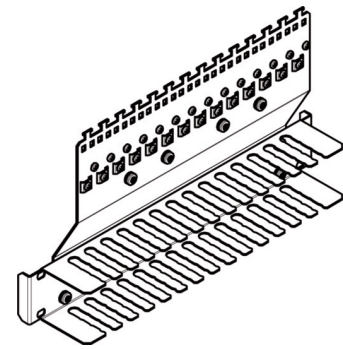
Dimensions



Top cable clamp

Cable clamp set

The FODIS Light® Active 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.



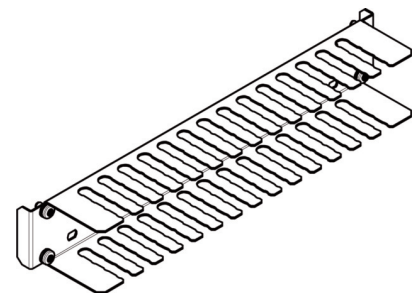
Technical specifications

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® Active 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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### Overlength storage plate

#### Overlength storage plate

The FODIS Light® Active overlength 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 (ø= 66 mm) with end guards are mounted. The dimension of the spools enables safe looping of the patch cords (prescribed minimum radius Rmin= 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® Active 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	Overlength 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® Active 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 Active, 19" open rack set 42HU	EC09.000040.102
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#### Parts:

Overlength 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.

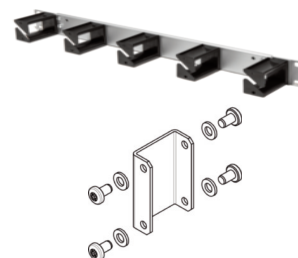
Every FODIS Light® is preinstalled with protection corrugated tubes with outer diameter 13mm. For each 1U standart patch panel is need instaled one protection corrugated tube. Maximum of installed protection corrugated tubes in FODIS Light® is 42 pieces. euroclust offer two variants for order corrugated 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.

