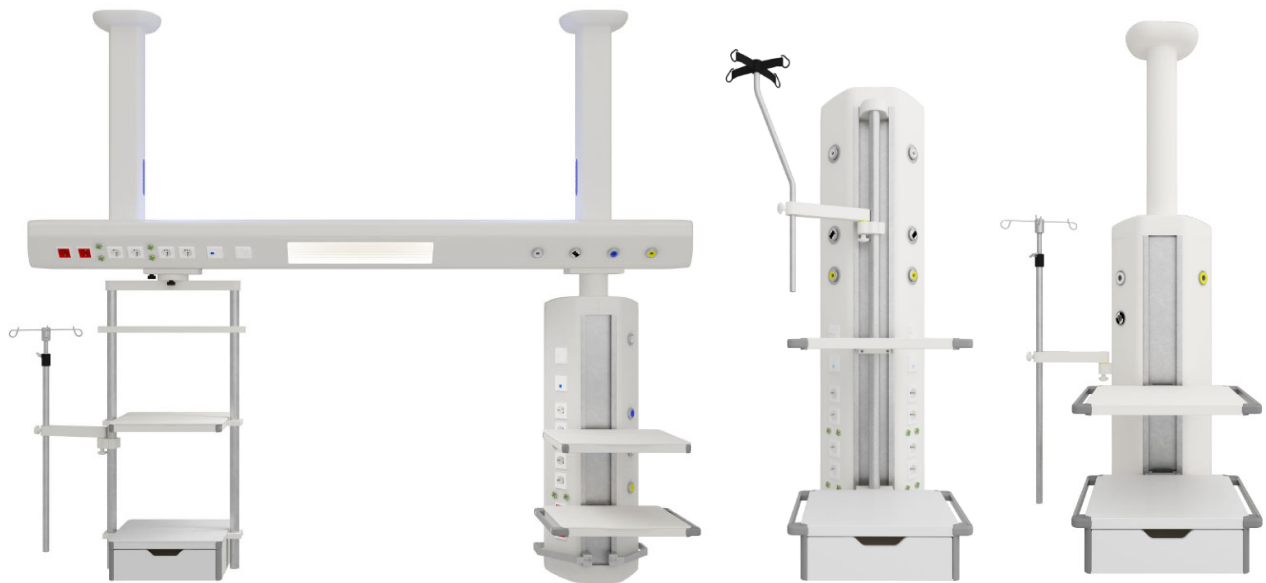


SOLIDO™

for Intensive Care



Why choose SOLIDO for intensive care?

Easy installation and long-lasting top-quality components ensure minimum maintenance and maximum reliability.

Versatility – match any specification with this product range.

Low electricity consumption thanks to innovative LED stripes which are available for all direct, indirect and even night lighting. Lesser maintenance, greater performance!

Protecting epoxy powder coating guarantees an adequate hygienic surface. This could be boosted further with the dedicated Antibacterial paint to ensure 100% shield against infectious agents.

Profile's thickness and the technology adopted, guarantees substantial resistance to wear and tear.

Horizontal Beam Solution

A ceiling mounted unit, that can be fitted with lighting, medical gases, electrical switches and sockets. The system has been designed for intensive care units, preparation and recovery rooms which require several sockets and switches to supply medical equipment such as monitors, dialysis machines, respirators and other machines required to keep the patient alive. Both sides of the unit can be equipped with the medical equipment.



Track rail

Designed to guarantee complete ease of movement, the new track rail allows to slide and safely fix all needed equipment for whichever level of intensive treatment.

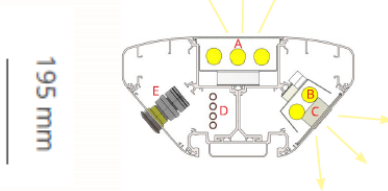
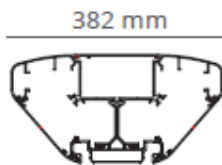


LED night light

This optional feature ensures a well-lighted atmosphere while the main ambient lighting is off. Perfectly integrated inside the ceiling pillars this system can be both controlled from the unit itself or any additional handset if needed.



Profile



LIGHT DIFFUSION

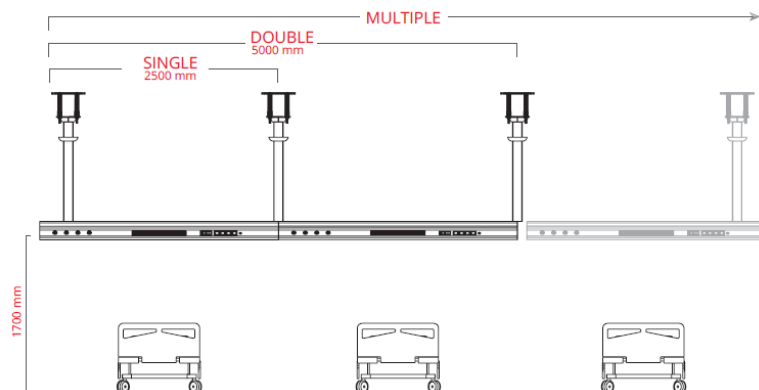
- A - INDIRECT LIGHT
- B - DIRECT LIGHT

COMPONENTS

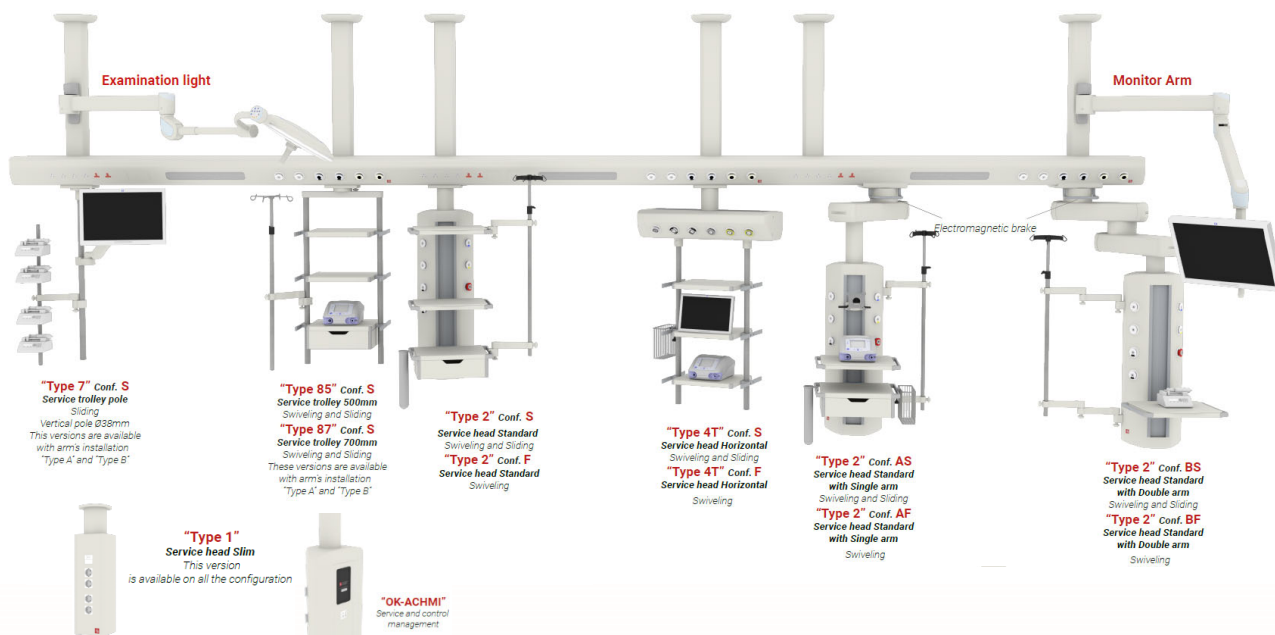
- C - ELECTRICAL COMPONENTS
- D - GAS PIPING
- E - GAS OUTLET

Available versions

Available both as single and double sided versions



Configuration options for intensive care

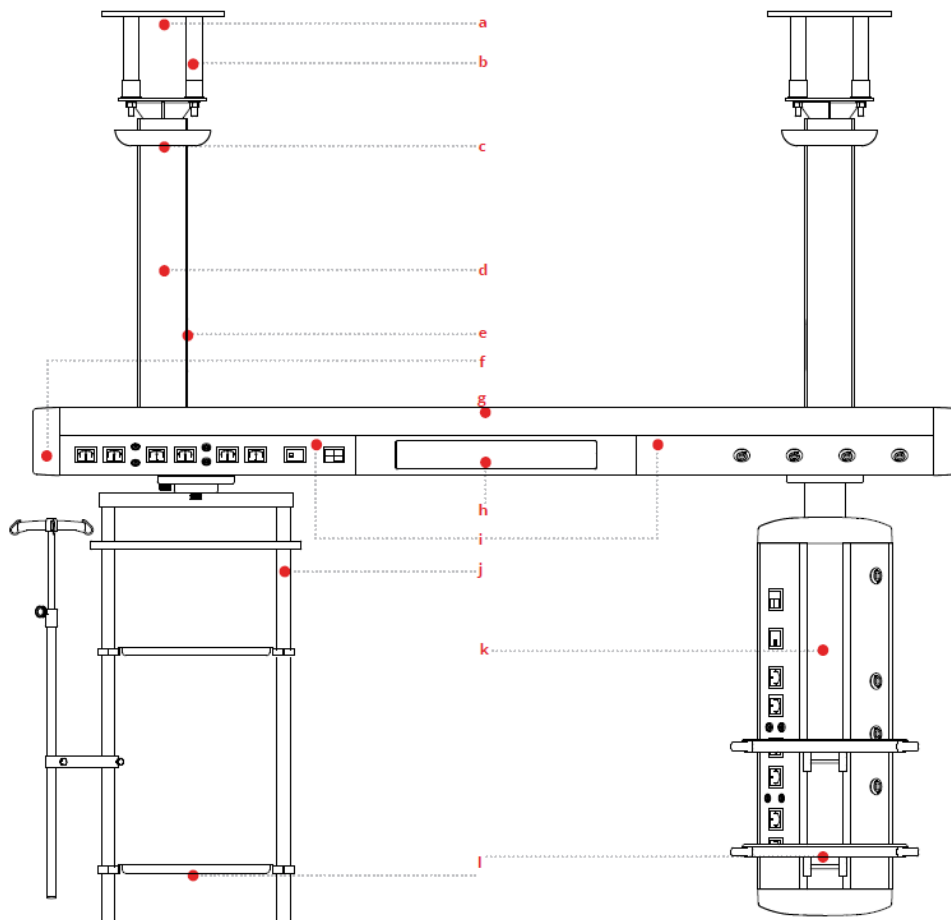


All Service head are available with sliding version, see the image below for the complete view:

Swivelling and sliding Column with arm (conf. AS)

Swivelling and sliding column (conf. S)



Profile overview – Horizontal Beam


- a - Ceiling plate
- b - Adjustable bracket for ceiling mounting
- c - ABS cover flange
- d - Ceiling pillar
- e - Night lights (optional)
- f - ABS corner head
- g - Indirect light
- h - Direct light
- i - Main profile
- j - Sliding trolley
- k - Service column
- l - Wide range of accessories

Vertical Wall Solution

SOLIDO is also available in the vertical wall mounted solution. Designed for intensive care units, this bed head unit offers maximum versatility allowing the medical staff to use all the needed equipment with extreme ease.

Available upon request the 38mm stainless-steel vertical pole onto which several accessories can be installed.

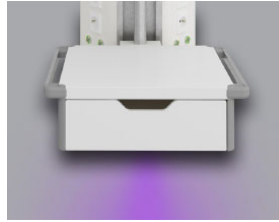
If required, the unit can be supplied with LED indirect and night lights. The former is perfectly integrated inside the top head and diffuses a pleasant uniform ambient illumination. The latter is placed in the bottom head and offers a gentle beam light that does not disturb the patient while resting.



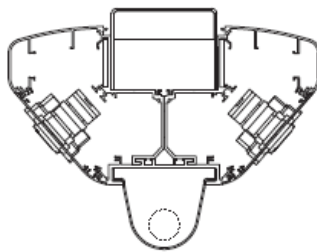
LED Ambient light



LED night light

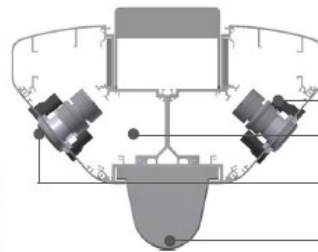


Profile size and components



382 mm

354 mm



- A/C A/C - Electrical components
- B B - Gas piping
- C/A C/A - Gas outlet
- D D - Vertical pole

Vertical Column Solution

A freestanding configuration, fixed on the ceiling through a solid pillar. Ideal solution for special intensive care units.

Rotating head

The head can freely rotate 345°. In this way the medical staff can always have easy access to all equipment. This reduces to the minimum the workload and significantly enhances the workflow.



Vertical track rail

Ideal for fixing firmly shelves and drawers. High carrying capacity to place safely the most delicate medical equipment. At any time, the accessories can be adjusted by simply releasing the bolts.

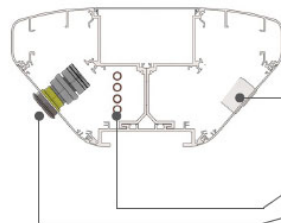


Profile size and components



382 mm

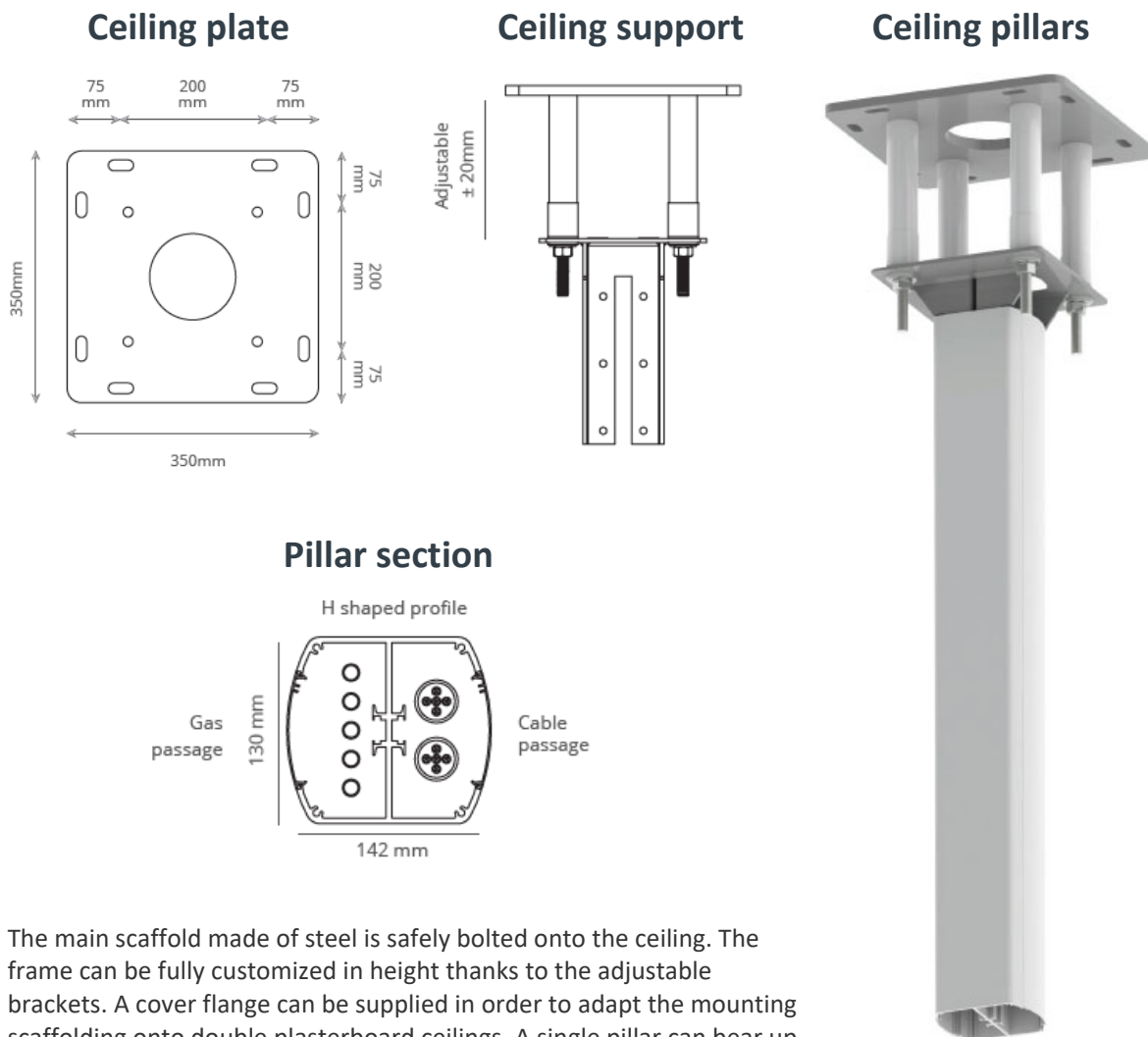
195 mm



A/C - Electrical / Gas outlet

B - Gas piping

C/A - Electrical / Gas outlet



The main scaffold made of steel is safely bolted onto the ceiling. The frame can be fully customized in height thanks to the adjustable brackets. A cover flange can be supplied in order to adapt the mounting scaffolding onto double plasterboard ceilings. A single pillar can bear up to 200 kg overall weight.

Available colours

All pendant frames are supplied in standard white, RAL 9010 matt.
Effect color in the columns and ABS coverings is grey RAL 9017 matt.

At customer request, individual profiles can be painted according to the customer's color preference (RAL color chart). Selecting any color that is not commonly used may require a longer delivery time.

We recommend contacting your local sales representative for more information on price, availability and delivery time.

Technical data

Operational temperature range	5°C - 35°C
Relative humidity range	Between 30% and 75%
Supply voltage	110-230 VAC 50/60 Hz
Low voltage	12-24 V-AC/DC
Power consumption - Lighting - Electrical socket	Max 150W Max 2000W for each socket
Wire minimum section	Lights 1.5 mmq Electrical sockets 2.5 sq.mm Ground 2.5/6 sq.mm
Classification according to the degree of protection against penetration of liquids and external agents	Against penetration of liquids and external agents IP20.
Color:	Frame is white (RAL 9010 matt), effect color in the columns and ABS covers is grey (RAL 9017 matt). Other RAL colors available on request.
Ceiling fixing	Clamped onto the ceiling with an adjustable bracket.
Wall fixing	Screwed onto the wall through a special bracket.
Testing	The products are fully tested and ready for immediate installing.
Aluminium	Structural profile not less than 3.5mm/cover profile not less than 1.8mm Alloy 6063 T6.
Testing in production for each single unit	For each unit the following tests are performed: -grounding impedance protection in accordance with 18f) of standard 60601-1 - standard measurement of leakage current in accordance with 19.3 and 19.4 of EN 60601-1-measurement of dielectric strength, in accordance with 20.3 and 20.4 of standard EN 60601-1 – requirements as in 59.101.1, 59.102.1 and 59.103.1; 59.101.2); 59.102.2 b), 59.103.2); 59.101.2BC), 59.102.2 (c)) and 59.103.2. b) – pressure tests in accordance with 59.101.2. d) and 59.102.2. d)
Electromagnetic interference	The operation of other devices placed near the medical device (as portable equipment or furniture) can cause electromagnetic interference or other interference, always check with qualified personnel
EC certificate 1548/MDD	The devices are made in compliance with Directive 93/42/EEC concerning medical devices Annex II with certification CE0051.
Regulation	The equipment should be considered class IIb according to the Medical Device Directive 93/42 ECC.
Maintenance	The bed head unit does not require routine standard maintenance but only long term one. Medical gases and electrical components are kept separated: for this reason no special caution during maintenance service is needed.
Cleaning	The epoxy-polyester paint or the anodic oxidation guarantee the durability of all external surfaces. Cleaning is recommended with soft cloth soaked with non-alcoholic and gentle detergents and disinfectants.
GMDN code	35630

Complete operating room portfolio from a single supplier

Merivaara product portfolio covers whole range of operating room devices

- Operating tables
- Operating and examination lights
- Monitor arms
- Displays mounted on a arm system or wall
- Pendants
- Operating room integration system



Benefits for the customer

- + Uniform product design
- + One contact
- + Scheduling
- + Experienced project partner
- + qualified local resources
- + wide service network
- + support in English and other local languages

We also provide layout plans and 3D presentations for the surgery department. Be in contact:
merivaara@merivaara.com.

“ HEALTH TECHNOLOGY WITH A HUMAN TOUCH ”