

Company Products

Lautex since...	2
Suspended metal ceilings	3
Metal ceilings in house construction	4
Metal ceilings in shipbuilding	6
Metal ceilings by product group	8
Production, materials, subcontracting	10
Company, history, personnel	11
Quality, environment	12



Lautex, metal ceilings since 1951

Lautex is a suspended metal ceilings supplier with 60 years of experience in the industry.

Over the years, the company has undergone significant changes. A small, sound absorbing plasterboard ceiling plate manufacturer has developed into an international supplier specialising in suspended metal ceilings that provides diverse services for a wide customer base.

Thanks to active product and manufacturing development and efficient marketing efforts, Lautex has become a well known brand for suspended ceilings for both the construction and shipbuilding industries in Finland and abroad.

For the construction industry, Lautex has delivered products for retail and office buildings, public and well-known buildings as well as new construction and renovation sites.

For the shipbuilding industry, Lautex has provided suspended ceilings for various purposes, ranging from cargo ships and river boats to luxury cruisers for both new vessels as well as refitted or repaired ships.

In addition to manufacturing its own ceiling products, Lautex is a production and painting facility that specialises in the production of bent sheet products and manufactures and supplies products and parts for its customers.

*Metso Library,
Tampere
KSRT-150 Panel, blue
colour.*



*Helsinki-Vantaa
Airport, Terminal
buildings
Triangle cassette
ceiling.*



*Oasis of the Seas /
STX Finland Oy
Boleros /Special
ceiling
PR-A Profile elements
+ NJT-600 Cassette
ceiling.*



Suspended metal ceilings

A ceiling is a strong influencing element in a space, and can perform many different functions. The ceiling communicates, divides, limits or opens up spaces, reflects or shades light and creates an atmosphere or a mood.

By utilising various shapes, structures, materials and finishings for the ceiling, the designer can develop, create and realise a solution suitable for a specific site.

A prefabricated metal ceiling is an inexpensive and versatile solution. Its benefits and advantages emerge in the different stages of during construction or shipbuilding, be it the planning, construction or usage stage.

For designers, preplanned systems and proven solutions provide freedom of choice through functional and tested structures. The ceiling supplier's expertise can help and support the designer's choices in the realisation of his or her visions.

Metal ceilings are precision-made, swift to install and affordable. Factory-made precise and mutually compatible system ceiling parts make installation work faster, speeding up completion times and resulting in construction cost savings.

Metal ceilings that have been pre-coated at the factory retain their cleanliness for extended periods of time. Metal ceilings are easy to keep clean and require little service.

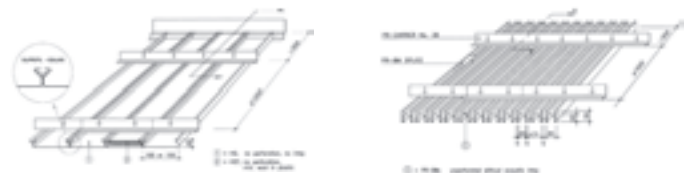
They are an affordable and long-lasting option for owners or keepers of buildings, ships or other facilities. A metal ceiling is suitable for both common everyday locations as well as luxurious promotional facilities.

*Business Center/
Helsinki
Corridor Cassette,
Ral 9006.*



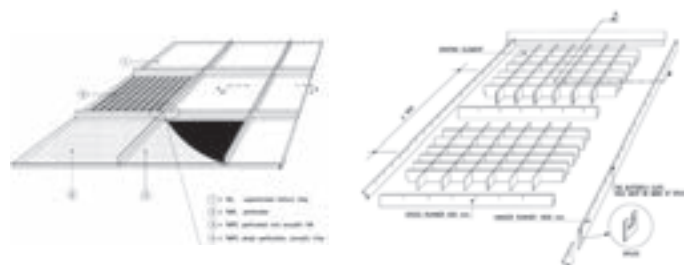
Panel ceiling.

Profile ceiling.



Cassette ceiling.

Grating ceiling.



Metal ceilings in house construction

Lautex is the leading supplier of suspended metal ceilings for the construction industry in Finland. The extensive indoor ceiling system and product selection provides solutions for most needs in offices, retail stores, shopping centres, banks, restaurants, spas, swimming halls, libraries, schools, health centres, hospitals, traffic stations and public buildings, such as museums and concert halls.

A Lautex ceiling is a technically functional entity. Lautex ceilings are mainly made of incombustible materials. For coating and silencing, we use non-toxic materials that are either fire-proof or fire-retardant. Lautex products delivered for building construction fulfill CE-standards.

Lautex ceiling is easy to install, hygienic, easy-to-clean and can be opened up as required. Lautex deliveries are mainly based on our extensive standard product selection. However, we also design and make site-specific solutions that take into account any special requirements for the site.

*Finlandia Hall,
Helsinki
PR-A Profile, white /
design by Alvar Aalto.*



*Main Library, Hollola
Curved ceiling,
KSRT-300 Panel,
Ral 9006.*



*Shopping Mall
Ideapark, Lempäälä
WT-grating, Ltx-105.*



Lautex supplies ceiling materials based on the customer's order and as a tailor-made and designed delivery for a specific site.

Lautex ceilings can be seen in both everyday and festive buildings and facilities. We have a number of well-known reference sites, including Finlandia Hall, Helsinki Airport, Tampere Hall, Hollola Library and Kamppi Shopping Centre, Saunalahti School, Turku University Hospital.

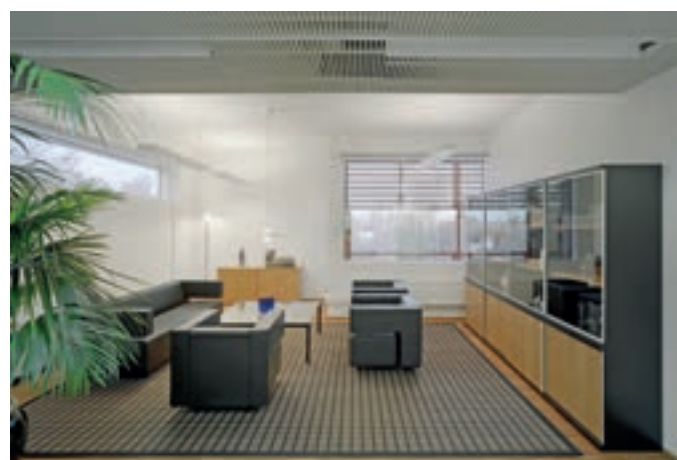
*Office Building
Mittakeskus Mikes,
in Espoo
WS-corridor grating,
grey.*



*Kamppi Shopping
center, Helsinki
TMR-600 cassette,
special perforation,
colour LTX-011 matt.*



*Office Building
Digitalo in Espoo
Special WS grating,
pearl white.*



Metal ceilings in shipbuilding

Lautex is a significant supplier of suspended metal ceilings for the shipbuilding industry. We have a wide product selection designed specifically for the marine industry.

Lautex supplies complete sets of suspended ceiling structures for ship cabins, passageways, restaurants, shops and public and special facilities. Our deliveries are based on our diverse standard product selection, complemented with site-specific tailored sets when necessary. We are also familiar with special constructions. Whenever necessary, we generate ideas and develop unique, far-reaching solutions together with our customer's specialists.

Lautex can provide a solution for all standard and special ship-board applications: crew cabins, pilot stations and luxurious passenger facilities, passageways, stairways, restaurants, lobbies, entertainment centres, cabinets, shops, spas and even outdoor pool areas.

We also design and deliver demanding special ceiling elements, illuminated ceiling structures, beams, skirtings and domes.

Lautex improves soundproofing

Based on test results, perforated Lautex ceiling elements equipped with damping materials effectively absorb noise and are highly suitable for rooms that require soundproofing, such as restaurants, lobbies and conference rooms.

Lautex has supplied ceilings to the largest cruise ships in the world.



*Allure of the Seas
ISTX Finland Oy
Bridge / UP-300
Panel, black colour.*



*Allure of the Seas
ISTX Finland Oy
Royal Suite / NLT-600
Cassette ceiling.*



Lautex fire safety

The international shipbuilding industry is a demanding customer and requires the use of safe and certified products. All Lautex products for the marine industry have been tested and certified with at least Class C certificates. Our product selection also covers solutions for facilities that require higher Class B-0 and Class B-15 structures. We are constantly expanding the selection of certified products as need dictates.

Our key references for newly built ships include the Allure of the Seas, Oasis of the Seas, Queen Mary II, the Aida series, Viking Grace, Norwegian Getaway, Ovation of the Seas, Mein Schiff 5.

Swift deliveries for ship reconstructions

Lautex also provides services for its customers in ship repair and reconstruction. Our standard products are also available on short delivery times.

Our ship repair references include Carnival Sunshine, Pride of America, Disney Magic, Spirit of Tasmania.

*Allure of the Seas
/STX Finland Oy
Suite /
NLT-600
Special cassette.*



*Allure of the Seas
/STX Finland Oy
Spa & Fitness
/ KSRT-300 Panel
ceiling + NJRT-600
Cassette ceiling,
curved beams,
anodized pillar
coverings.*



*Allure of the Seas /
Sorrento's pizzeria /
PR-U Profile, pvc-foil,
wood imitation.*



Metal ceilings by product group

Lautex have four standard product groups. The panels, profiles, cassettes and gratings are available with smooth or perforated surfaces. Material options include aluminium, steel, copper and stainless steel. Products can be painted or coated with a wide variety of choices.

Acoustic performance of the ceiling can be enhanced with acoustic felt filling, mineral wool encapsulated in plastic or fire-resistant wool for structures that are fire-retardant.

Metal ceilings can be equipped with standard or product-specific service hatch solutions, lighting casings, air conditioning terminal applications and other ceiling components.

Lautex ceilings can be delivered fully equipped when necessary (including flashings, carriers, hatches, lighting panels, decorative profiles etc.).

Lautex panels

Panel ceilings form uniform, even and, if needed, tight structures, which conceal such things as structures and technical equipment located above the suspended ceiling.

Standard panel widths varies 50–300 mm, and special widths are also possible.

Sealed panel ceilings are especially well suited to spaces where the ceiling must be airtight, such as kitchens, hospitals, the food industry or other hygienic premises.

Lautex profiles

Profile ceilings provide wide variety of widths, shapes and air gaps. Standard profile widths are 25–300 mm and profile heights 15–57 mm.

There is a wide variety of shapes for Lautex profiles. Shaped profiles make ceilings livelier.

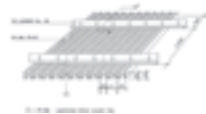
Panels



*Main Library, Hollola
Special curved ceiling,
KSRT-300 Panel,
Ral 9006.*



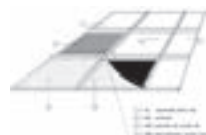
Profiles



*Metso Library,
Tampere
PR-PRT Profile,
blue colour.*



Cassettes



*Nokia Research
Center, Ruoholahti
/TMRT-600
Cassette, black
colour, TM-600
Cassette colour Ral
9006.*



Profile ceilings are easy to open up for service and easy to clean in conjunction with other property maintenance operations.

Lautex cassettes

Cassette ceilings are built of modular-sized cassettes which forms uniform, even and tight surface.

Using the latest production technology, almost any cassette size is available. The most common module sizes are 600 x 600 mm and 300 x 300 mm. For passageway cassettes, the module sizes are 600 x 1,200 mm and 600 x 1,500 mm.

Lautex manufactures cassettes with several alternative standard perforations, but tailored patterns are also available.

A cassette ceiling is a good alternative as far as maintenance is concerned as any individual cassette can be removed.

Lautex gratings

Grating ceilings are spacious elements that vertically divide the room. Gratings allow the utilisation of the entire surface area of the ceiling for air conditioning purposes. Openings for supply and exhaust air as well as sprinklers can be concealed above the grating ceiling.

Module sizes for gratings are 600 x 600 mm and 600 x 1,200 mm, cell sizes varies from 25 x 25 mm to 200 x 200 mm and height according to cell size, 25–100 mm, optional sizes are also available.

Special products

Our expertise and experience provides us with an excellent basis for creating unique ceiling structures tailored to our customers' wishes that work together with walls or other ceilings or as stand-alone ceilings. We also manufacture special decorative profiles based on the customer's specification.

Gratings



*Office Building
Digitalo, Espoo
Special WS grating,
pearl white.*



Special products

*Helsinki-Vantaa
Airport, Terminal
buildings
Triangle cassette
ceiling.*



Special products

*Oasis of the Seas/
Izumi Sushi Bar /
Dome+PR-U module
special ceiling.*



Production, materials, subcontracting

Lautex operates from its own premises in Nummela. Our production process is used to manufacture sheet products that we have designed, manufactured and finished ourselves.

We obtain our materials from reliable, long-term suppliers. Our raw materials include both aluminium and steel sheets ranging from 0.4 mm to 3 mm. We keep the materials used for our standard products in stock. Special site-specific materials are bought on an individual basis.

Our wide and diverse machinery and equipment primarily supports the manufacture of our own products but can also be used for customers' subcontracting work. The metal band processing lines, rolling, hand/automatic bending, cut-outs, perforations etc. with different kinds of surface treatments give us the possibilities to meet the most demanding needs of our customers.

We are constantly developing our production. In recent years, we have made major investments and renewed our machinery, enabling us to fully meet the developing challenges of the sheet metal industry. Our latest sheet metal working facility was commissioned in 2010.

The manufactured products are finished in a modern painting facility, which allows the maximum length for the element to be as much as 7 metres.

While we have over 200 colour shades in stock, almost all shades are available to order. We can also implement other surface treatment options in co-operation with our partners. Our surface treatments, complete with pre-treatments, meet the tightest European quality criteria.

When necessary, we utilise subcontractors to complement our own production. All subcontractors meet Lautex quality standards and we continuously monitor their quality.

*Lautex factory,
Nummela, Finland.*



*Bending Robot
Amada Astro.*



Pre-treatment.



Pivatic-line.



Painting line.



Roll forming line.



Company

Lautex is an expert in suspended metal ceilings and a partner for construction companies, interior contractors and ceiling builders.

We focus on suspended metal ceiling structures and market our products mainly to the construction and shipbuilding industries.

Our wide and diverse machinery and equipment can also be used for customers' subcontracting work.

We develop, design and manufacture our products in our own factory.

Our turnover consists 70% of ship building deliveries and 30% of building construction.

Lautex is currently the largest supplier of suspended metal ceiling products for the construction industry in Finland. In shipbuilding industry Lautex brand is well known also abroad.

We are constantly developing our operation and aim to be the market leader for suspended metal ceilings for the Nordic construction and European shipbuilding industries.

History

In 1951, two brothers, Antero and KM Kallio, together with Paul Boström, established a company called Oy Varmuusrakenne Ab. In the early years, the company operated in Åby, Vantaa, manufacturing acoustic gypsum board for quality-conscious construction markets, under licence from the Swedish company Zero Ab.

As the demand grew and the product range expanded, production moved from Åby to Herttoniemi, Helsinki, in 1956 and partially to Nummela, Vihti, in 1960. From 1980 onwards, the company has operated exclusively in Nummela.

The early product name, Soundex, was later renamed Lautex. This became the name for the entire company in 1987.

The three Finnish founders sold the company in 1964. The current owner, Oy Teknoma Ab, acquired the company in 2016.

The company operated exclusively in Finland until the mid-1960s when the export market opened up, first in the Soviet Union and later in Sweden and Norway. Deliveries for Finnish shipyards started in the late 1960s and shipbuilding industry exports boomed some ten years later.

In recent decades, Lautex has increased its brand recognition in the construction and shipbuilding industries in both Finland and abroad. Today, we are a global supplier of suspended metal ceilings. Our most distant destinations are shipyards in the Far East and Japan.

Personnel

Lautex's 60 years of experience and acquired expertise provide our customers, designers, builders, developers and architects with excellent possibilities for creating unique ceiling structures for both the construction and shipbuilding industries.

The traditions and know-how have been passed on from one generation of employees to another through long-term employment. At the same time, our expertise, products, selection and services have all developed to meet today's requirements. Over the years, we have developed new and innovative products and solutions.

Our ceiling experts are at your disposal when you develop, design and implement your visions. Call us or get in touch by email.

Our professional sales-, engineering- and production staff ensure reliable and high-quality service for our customers.

Quality

Lautex is widely known for its quality. Quality is ensured by our personnel's professional skills, our extensive experience and the expertise in suspended ceilings that we have acquired during our history.

Our quality system follows the ISO 9001:2008 standard. We were certified by Lloyds Register of Quality Assurance in 1996 and our operations are being continuously evaluated.

We also ensure that we comply with all official legislation, regulations and orders related to our products and processes.

By working in accordance with our quality system, we ensure that we keep the promises we make for our customers. We take time to learn about the needs of our customer and the construction site and we process the orders we receive systematically and effectively.

Construction industry products are manufactured in accordance with relevant requirements. Lautex products delivered for building construction fulfill CE-standards. We are committed to MED and USCG standards for the shipbuilding industry if the orders require such standards.

In interior structures, precision work is emphasised. We are constantly developing our production. In recent years, we have made investments and renewed our machinery, enabling us to fully meet the changes challenges of the sheet metal industry.

Environment

Lautex respects the environment. We operate in accordance with current legislation, regulations and guidelines. We also require our material suppliers and subcontractors to operate on the same principles.

Lautex products are made of recyclable materials. The steel and aluminium that we use is 100% recyclable. Thanks to careful product planning and production processes, we utilise our raw materials and materials with precision and efficiency. In addition, all waste and leftover materials are recycled.

Suspended metal ceilings are long-lasting and require little service during their life-cycle. Metal ceilings are hygienic, easy to clean and long-lasting.

Metal ceilings allow the owner of the building to save on service costs. Properly serviced metal ceilings last for decades and look as good as new with no need to replace or repair the elements.

If there is a need for repairs, Lautex can manufacture and deliver the required ceiling components. In some cases, the suspended ceiling can be renewed by simply changing the surface structure. When a metal ceiling needs to be changed, it can be almost fully recycled.

Lautex suspended ceilings also contribute to the cosiness of the environment and the quality of the air in the room. Metal ceilings do not release fibres, particles or other harmful agents.



*Office Building
Mittakeskus Mikes,
in Espoo
Special Cassette black
colour.*

*Caption of the
1st page*

*Office House Digitalo
in Espoo
Special WS grating,
red colour.*

*Sensation / Masa
Yards / NJ-600
Cassette, anodized,
silkprinted Cassette.*

Contact

Oy Lautex Ab

Ojakkalantie 13, FI-03100 Nummela

Telephone: +358(0)9 2248 810

E-mail: sales@lautex.com

www.lautex.com



LAUTEX OY

MARINE MAIN REFERENCES NEWBUILDING AND REFIT PROJECTS CRUISE LINERS, FERRIES and OFFSHORE

Shipyard	Name of Vessel	Hull No.	Year	Owner or operator
Arctech Helsinki Shipyard	Yuriy Kuchiev	NB-515	2019	Dynacom
Kleven Verft AS	Roald Amundsen	NB-400	2019	Hurtigruten As
Kleven Verft AS	Fridtjof Nansen	NB-401	2019	Hurtigruten As
Meyer Turku	Costa Smeralda	NB-1394	2019	Costa Cruises
Meyer Werft	Spectrum of the Seas	NB-700	2019	Royal Caribbean International
Meyer Werft	Norwegian Encore	NB-708	2019	Norwegian Cruise Line
Ulstein Werft A/S	Color Hybrid Ferry	NB-311	2019	Color Line
Repair Yard	Oasis of the Seas	Refit	2019	Royal Caribbean International
Repair Yard	Voyager of the Seas	Refit	2019	Royal Caribbean International
Repair Yard	Celebrity Equinox, Summit	Refit	2019	Celebrity Cruises
Repair Yard	NCL Joy, NCL Spirit	Refit	2019	Norwegian Cruise Line
Repair Yard	Marella Explorer 2	Refit	2019	Marella Cruises
Neptun Werft	Viking Longships	NB-569 - 584	2018-2019	Viking River Cruises
Meyer Turku	Mein Schiff 1, Mein Schiff 2	NB-1392	2018	TUI Cruises GmbH
Meyer Werft	Norwegian Bliss	NB-707	2018	Norwegian Cruise Line
Meyer Werft	Odyssey Of The Seas	NB-713	2018	Royal Caribbean International
Meyer Werft	Spirit of Discovery	NB-714	2018	Saga Cruises
MV Werften	Crystal Debussy	NB-128	2018	Crystal River Cruises
MV Werften	Crystal Ravel	NB-129	2018	Crystal River Cruises
Rauma Marine Construction	Hammershus	NB-6001	2018	Molslinjen
Chantiers de l'Atlantique	Symphony Of The Seas	B-34	2018	Royal Caribbean International
Chantiers de l'Atlantique	MSC Belissima	F-34	2018	Mediterranean Shipping Co
Chantiers de l'Atlantique	MSC Grandiosa	G-34	2018	Mediterranean Shipping Co
Chantiers de l'Atlantique	Celebrity Edge	J-34	2018	Celebrity Cruises
Repair Yard	Mariner of the Seas	Refit	2018	Royal Caribbean International
Repair Yard	Navigator of the Seas	Refit	2018	Royal Caribbean International
Repair Yard	Independence of the Seas	Refit	2018	Royal Caribbean International
Repair Yard	Celebrity Millennium	Refit	2018	Celebrity Cruises
Repair Yard	Silja Europa	Refit	2018	Tallink Silja
Arctech Helsinki Shipyard	Gennadiy Nevelskov	NB-511- NB514	2017	Sovcomflot
Meyer Turku	Tallink Megastar	NB-1391	2017	Tallink Silja
Meyer Werft	Norwegian Joy	NB-694	2017	Norwegian Cruise Line
Meyer Werft	World Dream	NB-712	2017	Star Cruises
Mitsubishi	AIDAperla	2301	2017	AIDA Cruises
MV Werften	Crystal Bach	NB-120	2017	Crystal River Cruises
MV Werften	Crystal Mahler	NB-123	2017	Crystal River Cruises
STX France	Meraviglia	E-34	2017	Mediterranean Shipping Co
Repair yard	TUI Discovery 2	Refit	2017	TUI Cruises GmbH
Repair yard	Carnival Elation, Paradise	Refit	2017	Carnival Corporation
Repair yard	Pacific Explorer	Refit	2017	P & O
Repair yard	Artania	Refit	2017	Phoenix Reisen
Meyer Werft	Ovation of the Seas	NB-699	2016	Royal Caribbean International
Meyer Werft	Genting Dream	NB-711	2016	Star Cruises
Mitsubishi	AIDAprima	2300	2016	AIDA Cruises
STX France	Harmony Of The Seas	A-34	2016	Royal Caribbean International
Repair yard	Silja Europa	refit	2016	Tallink Silja
Repair yard	Pride of America	refit	2016	Norwegian Cruise Line
Repair yard	Aida Cara, Aida Vita	refit	2016	AIDA Cruises
Repair yard	Viking Rosella	refit	2016	Viking Line
Arctech Helsinki Shipyard	Icebreaking vessel	NB-510	2015	Arctia Shipping
Meyer Werft	Anthem of the Seas	NB-698	2015	Royal Caribbean International
Meyer Werft	Norwegian Escape	NB-693	2015	Norwegian Cruise Line
Neptun Werft	Viking River Cruiser	561-566	2015	Viking River Cruisers
Repair yard	Stena Saga, Stena Alegra	refit	2015	Stena Line
Repair yard	Saphire Princess	refit	2015	Carnival Corporation

Shipyard	Name of Vessel	Hull No.	Year	Owner or operator
Repair yard	Norwegian Star	refit	2015	Norwegian Cruise Line
Repair yard	Tallink Star,Silja Serenade,Silja	refit	2015	Tallink Silja
Repair yard	Symphony, Baltic Queen,			
Repair yard	Viking Grace	refit	2015	Viking Line
Repair yard	Finlandia	refit	2015	Eckerö Line
Repair yard	Freedom, Independence, Explorer,	refit	2015	
Repair yard	Adventure, Voyager, Allure of the Seas			Royal Caribbean International
Repair yard	Azamara Journey, Azamara Quest	refit	2015	Azamara
	Ecstasy, Elation	refit	2015	
Repair yard	Carnival Miracle,			Carnival Cruise Lines
Repair yard	Spirit of Tasmania	refit	2015	TT-Line
Arctech Helsinki Shipyard	Baltika	NB-508	2014	Russian Ministry of Transport
Flensburger Shipyard	CMAL	NB-764	2014	CMAL
Meyer Turku	Mein Schiff 3 - Mein Schiff 6	NB-1383	2014	TUI Cruises GmbH
Meyer Werft	Norwegian Getaway	NB-692	2014	Norwegian Cruise Line
Meyer Werft	Quantum of the Seas	NB-697	2014	Royal Caribbean International
Neptun Werft	Viking River Cruiser	547-558	2014	Viking River Cruisers
Repair yard	Diamond Princess	refit	2014	Princess Cruises
Repair yard	EEP Ondina, EEP Druz,		2014	offshore
Arctech Helsinki Shipyard	Aleksey Chirkov	NB-507	2013	Sovcomflot
Bergen Fosen	Stavangerfjord	NB-87	2013	Fjord Line
Meyer Werft	Norwegian Breakaway	NB-678	2013	Norwegian Cruise Line
Meyer Werft	AIDAstella	695	2013	AIDA Cruises
Neptun Werft	Viking River Cruiser	537-546	2013	Viking River Cruisers
STX Finland Oy	Viking Grace	L-1376	2013	Viking Line
STX Finland Oy	Ulkovartiolaiva Turva	NB-1385	2013	State of Finland
STX France	Europa 2	H33	2013	Hapaq Lloyd Cruises
STX France	MSC Preziosa	X32	2013	Mediterranean Shipping Co
Repair yard	AIDAcara	refit	2013	Aida Cruises
Repair yard	Allure of the Seas,	refit	2013	Royal Caribbean International
Repair yard	Amsterdam, Zaandam	refit	2013	Holland America Line
Repair yard	Baltic Princess	refit	2013	Tallink Silja
Repair yard	Celebrity Constellation	refit	2013	Celebrity Cruise Lines
Repair yard	Disney Magic	refit	2013	Disney Cruis Line
Repair yard	Freedom of the Seas,	refit	2013	Royal Caribbean International
Repair yard	Grand Holiday	refit	2013	Ibero Cruises
Repair yard	Pacific Jewel	refit	2013	P&O Cruises (Australia)
Repair yard	Pride of America	refit	2013	Norwegian Cruise Line
Repair yard	Stena Saga	refit	2013	Stena Line
Repair yard	Superfast VI	refit	2013	Super Fast Ferries
Repair yard	Star Pisces	refit	2013	Star Cruises
Repair yard	The World	refit	2013	The World
Repair yard	Cinderella, Gabriella	refit	2013	Viking Line
COSCO's Qidong shipyard	GM500	-	2013	Axis Offshore
Arctech Helsinki Shipyard	Vitus Bering	NB-506	2012	Sovcomflot
Meyer Werft	Disney Fantasy	688	2012	Disney Cruise Lines
Meyer Werft	AIDamar	690	2012	Aida Cruisers
STX Europe Finland Oy	Namibia Fisheries Research Vessel	1378	2012	Ministry of Namibia
STX Europe France	MSC Divina	U32	2012	Mediterranean Shipping Co
STX Finland Oy	Spirit of France	1368	2012	P&O Ferries
STX Finland Oy	S.A. Agulhas II	1369	2012	Deat, Souuth Africa
STX Finland Oy	Aura II	1379	2012	Meriaura
Repair yard	MV Saga Sapphire	refit	2012	Saga Cruises
Repair yard	Viking Mariella	refit	2012	Viking Line
Repair yard	Grandeur of the Seas	refit	2012	Royal Caribbean International
Repair yard	Rhapsody of the Seas	refit	2012	Royal Caribbean International
Repair yard	Crystal Symphony	refit	2012	Crystal Cruises
Meyer Werft	Celebrity Silhouette	679	2011	Celebrity Cruisers
Meyer Werft	AIDA Sol	689	2011	Aida Cruisers
Neptun Werft	Viking River Cruisers	521-526	2011	Viking River Cruises
STX Finland Oy	Spirit of Britain	1367	2011	P&O Ferries
Meyer Werft	Celebrity Eclipse	677	2010	Celebrity Cruises
Meyer Werft	AIDAblu	680	2010	Aida Cruisers
STX Finland Oy	Allure of the Seas	1364	2010	Royal Caribbean International

Shipyard	Name of Vessel	Hull No.	Year	Owner or operator
STX France	Norwegian Epic	C33	2010	Norwegian Cruise Line
STX France	MSC Magnifica	S32	2010	Mediterranean Shipping Co
Wadan Yards	Stena Hollandica	159	2010	Stena Line
Meyer Werft	AIDAluna	660	2009	Aida Cruisers
Meyer Werft	Celebrity Equinox	676	2009	Celebrity Cruises
Neptun Werft	Arosa Aqua	514	2009	Deutsche Seereederei
STX Finland Cruise Oy	Armorique	1362	2009	Brittany Ferries
STX Finland Cruise Oy	Oasis of the Seas	1363	2009	Royal Caribbean International
STX Finland Cruise Oy	Baltic Queen	1365	2009	Tallink Group
STX France	MSC Splendida	B33	2009	Mediterranean Shipping Co
Aker Yards	Independence of the Seas	1354	2008	Royal Caribbean International
Aker Yards	Viking XPRS	1358	2008	Viking Line
Aker Yards	Superspeed 1	1359	2008	Color Line
Aker Yards	Superspeed 2	1360	2008	Color Line
Aker Yards	Baltic Princess	1361	2008	Tallink Group
Aker Yards	MSC Poesia	S32	2008	Mediterranean Shipping Co
Meyer Werft	AIDAbella	666	2008	Aida Cruisers
Meyer Werft	Celebrity Solstice	675	2008	Celebrity Cruisers
STX France	MSC Fantasia	A33	2008	Mediterranean Shipping Co
Aker Finnyards	Liberty of the Seas	1353	2007	Royal Caribbean International
Aker Finnyards	Color Magic	1355	2007	Color Line
Aker Finnyards	Tallink Star	1356	2007	Tallink Group
Aker Finnyards	Cotentin	1357	2007	Brittany Ferries
Aker Yards	MSC Orchestra	R32	2007	Mediterranean Shipping Co
Fincantieri	Finnlady, Nordlink	6133, 6134	2007	Finnlines
Freeport Bahama	Grandeur of the Seas	refit	2007	Royal Caribbean International
Götaverken	Stena Germanica	refit	2007	Stena Line
Meyer Werft	AIDAdiva	659	2007	Aida Cruises
Meyer Werft	Norwegian Gem	670	2007	Norwegian Cruise Line
Aker Finnyards	Galaxy	435	2006	Tallink Group
Aker Finnyards	Norilsk Nickel	505	2006	MMC Norilsk Nickel
Aker Finnyards	Freedom of the Seas	1352	2006	Royal Caribbean International
Chantiers de L'Atlantique	MSC Musica	Q32	2006	Mediterranean Shipping Co
Fincantieri	Finnstar, Finnmaid	6123, 6125	2006	Finnlines
Meyer Werft	Norwegian Pearl	669	2006	Norwegian Cruise Line
Sandefjord-Strömstad	Color Viking	233	2006	Color Line
Aker Finnyards	Fesco Sakhalin	L-504	2005	Far Eastern Shipping Company
Chantiers de L'Atlantique	Berlioz	O 32	2005	SeaFrance
Meyer Werft	Norwegian Jewel	667	2005	Norwegian Cruise Line
Mitsubishi-shimonoseki	Kiso	1103	2005	Taiheiyo-ferry
Neptun Werft	Premicon	763	2005	Premicon River Cruises
Samsung Shipyard	Maersk Dunkerque, Delft,	H-1523, H-1524	2005	Norfolk Ferries
Aker Finnyards	Victoria	434	2004	Tallink Group
Aker Finnyards	Birka Paradise	442	2004	Birka Line
HDW-Nobiskrug	Premicon	761, 762	2004	Premicon River Cruises
Masa Yards, Turku	Color Fantasy	1351	2004	Color Line AS
Masa Yards, Turku	Enchantment of the Seas	refit	2004	Royal Caribbean International
Meyer Werft	Jewel of the Seas	658	2004	Royal Caribbean International
Mitsubishi-nagasaki	Hamanasu, Akashio	2191, 2192	2004	Shin-Nihonkai
Naval Shipyard Gdynia	Suomenlinna II	-	2004	City of Helsinki
Chantiers de L'Atlantique	Island Princess	D32	2003	P&O Princess Cruises
Chantiers de L'Atlantique	Queen Mary II	G32	2003	Cunard
Chantiers de L'Atlantique	Crystal Serenity	H32	2003	Crystal Cruises
Chantiers de L'Atlantique	MSC Lirica	K32	2003	Mediterranean Shipping Co
Chantiers de L'Atlantique	MSC Opera	L32	2003	Mediterranean Shipping Co
Meyer Werft	Serenade of the Seas	657	2003	Royal Caribbean International
Mitsubishi MHI Nagasaki	Diamond Princess, Sapphire Princess	2180, 2181	2003	P&O Princess Cruises
Aker Finnyards	Romantika	433	2002	Tallink Group
Aker Finnyards	Hjaltland	438-440	2002	Northlink, Scotland
Aker MTW (Wismar)	Aida Vita, Aida Aura	3,4	2002	Seetours
Chantiers de L'Atlantique	Coral Princess	C32	2002	P&O Princess Cruises
Chantiers de L'Atlantique	European Dream	X31	2002	Festival Cruises
Daewoo Shipbuilding	Blue Star Paros, Naxos	7507, 7508	2002	Blue Star Ferries
Flender Werft	Superfast 11, Superfast 12	-	2002	Super Fast Ferries

Shipyard	Name of Vessel	Hull No.	Year	Owner or operator
IHI (Ishikawajima-Harima Heavy Industries)	Lilac, Yukari	3145, 3146	2002	Shin Nihonkai
Meyer Werft	Norwegian Dawn	649	2002	NCL (Star Cruises)
Meyer Werft	Brilliance of the Seas	656	2002	Royal Caribbean International
Neptun Werft	A' Rosa Bella, Donna, Mia	501, 502, 504	2002	Seetours
Van der Giessen de Noord	Mont St Michel	985	2002	Brittany Ferries
Aker Finnyards	Ulysses	429	2001	Irish Ferries
Aker Finnyards	SeaFrance Rodin	437	2001	SeaFrance
Chantiers de l'Atlantique	Seven Seas Mariner	K31	2001	Radisson Seven Seas
Chantiers de l'Atlantique	Summit	T31	2001	Celebrity Cruises
Chantiers de l'Atlantique	European Vision	V31	2001	Festival Cruises
Daewoo Heavy Industries	Moby Wonder, Moby Freedom	7505, 7506	2001	Moby Lines
Lloyd Werft	Norwegian Sun	109	2001	Norwegian Cruise Line
Masa Yards, Helsinki	Spirit Class	498-503	2001	Carnival Corporation
Meyer Werft	Norwegian Star	648	2001	Star Cruises / NCL
Meyer Werft	Radiance of the Seas	655	2001	Royal Caribbean International
SSW Bremerhaven	Nils Holgersson II, Peter Pan II	2000, 2001	2001	TT-Line
Blohm+Voss	Olympic Voyager	961, 962	2000	Olympic Cruise Lines
Chantiers de l'Atlantique	Millenium 1, Millenium 2	R31, S31	2000	Celebrity
Fosen Mek. Verksteder	Olympic Champion, Olympic Spirit	69, 70	2000	Anek Lines
HDW Kiel	Superfast 5-10	355-360	2000	Super Fast Ferries
Meyer Werft	M/S Aurora	640	2000	P&O Cruises
Fincantieri	Disney Wonder	5990	1999	Disney
Fosen Mek. Verksteder	Cotunav	68	1999	Minoan Lines
Masa Yards, Helsinki	Europa	495	1999	Hapag-Lloyd AG
Masa Yards, Turku	Voyager Class	1344-1348	1999	Royal Caribbean International
Ast. Puerto Real	Finnclipper	78, 79	1998	Finnlines
Chantiers de l'Atlantique	R One - R Eight	H31	1998	Renaissance Cruises
Chantiers de l'Atlantique	Mistral	J31	1998	Festival Cruise
Fincantieri	Carnival Triumph	5979	1998	Carnival Cruise
Fincantieri	Disney Magic	5989	1998	Disney
Fosen Mek. Verksteder	United Trader	63	1998	Birka Line
Fosen Mek. Verksteder	Trans Botnia	64	1998	Seatrans
Fosen Mek. Verksteder	Pasiphae	67	1998	Minoan Lines
Lloyd Werft	Norwegian Sky	108	1998	Norwegian Cruise Line
Masa Yards, Turku	Superfast 3, Superfast 4	1340-1341	1998	Super Fast Ferries
Meyer Werft	Superstar Leo, Superstar Virgo	646, 647	1998	Stair Cruise
Chantiers de l'Atlantique	Rhapsody of the Seas	E31	1997	Royal Caribbean International
Chantiers de l'Atlantique	Vision of the Seas	F31	1997	Royal Caribbean International
Chantiers de l'Atlantique	Paul Gauguin	G31	1997	Service de Transport
Fosen Mek. Verksteder	Ikarus	57	1997	Minoan Lines
Fosen Mek. Verksteder	United Express, United Carrier	61, 62	1997	Birka Line
Fosen Mek. Verksteder	Bastö I, Bastö II	65, 66	1997	Bastö Fosen
Masa Yards, Helsinki	Enchantment of the Seas	493	1997	Royal Caribbean International
Wismar	Columbus	PV400	1997	Hapag-Lloyd
Bremer Vulkan	Costa Victoria	107	1996	Costa Cruises
Danyard	Mai Mols, Mie Mols	1740, 1741	1996	Mols Ferries
Fincantieri	Veendam	5954	1996	Holland America Line
Finnyards, Rauma	Stena Explorer, Stena Voyager	404, 405	1996	Stena Line Ab
Masa Yards, Helsinki	Grandeur of the Seas	492	1996	Royal Caribbean International
Masa Yards, Turku	Mubaraz (LNG-Ship)	1330-1333	1996	Abu Dhabi National Oil Co
Masa Yards, Turku	AIDACara	1337	1996	DST GmbH
Meyer Werft	Galaxy	638	1996	Celebrity Cruises
Van der Giessen de Noord	Stena Jutlandica III	967	1996	Stena Line
Chantiers de l'Atlantique	Splendour of the Seas	B31	1995	Royal Caribbean International
Chantiers de l'Atlantique	Napoléon Bonaparte	D31	1995	S.N.C.M.
Chantiers de l'Atlantique	Legend of the Seas	A31	1995	Royal Caribbean International
Finnyards, Rauma	Robin Hood, Nils Dacke	410, 411	1995	TT-Line
Fosen Mek. Verksteder	Aretousa	56	1995	Minoan Lines, Greece
Masa Yards, Helsinki	Crystal Symphony	1323	1995	N.Y.K.
Meyer Werft	Oriana	636	1995	P & O

Shipyard	Name of Vessel	Hull No.	Year	Owner or operator
Meyer Werft	Century	637	1995	Celebrity Cruises
Samsung, Kojo, Korea	Manzanillo	1155,1156, 1159	1995	Costamare Shipping Company
Shichau Seebeckwerft	Superfast I, Superfast II	1087, 1088	1995	Super Fast Ferries
Ulstein Werft A/S	Polarlys	223	1995	Hurtigruten
Fosen Mek. Verksteder	Yong Sheng	54,55,58	1994	Gold Dragon Shipping Ltd., China
Finnyards, Rauma	Fennica MSV	401, 402	1993	The State of Finland
Fosen Mek. Verksteder	MS Bergen	52	1993	Fjord Line
Masa Yards, Turku	Nils Holgersson, Peter Pan	1320, 1325	1993	TT-Line
Volkswerft Stralsund	Kong Harald	101-103	1993	Hurtigruten
Chantiers de l'Atlantique	Dreamward, Windward	C30, D30	1992	Kloster Cruise
Masa Yards, Turku	Royal Majesty	1312	1992	Ulysses Shipping
Rauma Yards	Sally Albatross	309	1992	Sally Ab
Kanda	Sabrina, Blue Zephyr	330-331	1990	Kinkai Yusen Kaisha
Masa Yards, Helsinki	Fantasy Class	479 - 484	1990	Carnival Cruise Lines
Masa Yards, Turku	Cinderella	1302	1990	SF Line Ab Fin
Masa Yards, Turku	Silja Serenade, Silja Symphony	1301, 1309	1990	Silja Line
Mitsubishi	Crystal Harmony	2100	1990	N.Y.K.
Union Naval de Levante	Crown Monarch, Dynasty	185, 198	1990	Grundstad
Rauma-Repola	Delfin Clipper, Delfin Caravelle	304, 305	1989	Delfin Cruise
Wärtsilä Marine	Athena	1297	1989	Viking Line
Wärtsilä Marine	Seaward	1294	1988	Norwegian Cruise Line
Wärtsilä Marine	Royal Viking Sun	1296	1988	RVL
Wärtsilä	Kronpris Harald	1292	1987	Jahre Line
Wärtsilä	Black Prince	1501	1987	Fred Olsen & Co
Wärtsilä	Olympia	1290	1986	Viking Line
Kockums	Jubilee, Celebration	596, 597	1985	Carnival Cruise Lines
Wärtsilä	Sea Goddess II	467	1985	Norske Cruise
Wärtsilä	Mariella	1286	1985	Viking Line
Wärtsilä	Royal Princess	464	1984	P & O
Wärtsilä	Sea Goddess I	466	1984	Norske Cruise
Wärtsilä	Song of America	431	1982	Royal Caribbean International
Wärtsilä	Al Mansur	1262	1982	Iraq Coverment
Wärtsilä	Silvia Regina	252	1981	Silja Line
Wärtsilä	Viking Song	1248	1980	Viking Line
Wärtsilä	Finlandia	1251	1980	Silja Line
Wärtsilä	Travemunde	432	1979	Gedser Travemünde
Wärtsilä	Viking Saga	1247	1979	Viking Line
Wärtsilä	Finnjet	407	1977	Finnlines
Wärtsilä	Belorussiya	1212	1975	V/O Sudoimport
Wärtsilä	Royal Viking Sky	396	1973	RVL
Wärtsilä	Bore I	1199	1973	Silja Line
Wärtsilä	Sun Viking	394	1972	Royal Caribbean International
Wärtsilä	Royal Viking Star	395	1972	RVL
Wärtsilä	Nordic Prince	393	1971	Royal Caribbean International
Wärtsilä	Song of Norway	392	1970	Royal Caribbean International

Lautex Paneelit/Panels

Paneelikatto muodostaa tilaa rajaavan, yhtenäisen, tasaisen ja tarvittaessa tiiviin rakenteen, joka kätkee katseilta alakaton yläpuoliset rakenteet ja tekniikan.

Paneelien vakioleveydet ovat 50 -300 mm, ja erikoiskoot ovat myös mahdollisia.

Siliprofil –tiivisteellä paneelikatto soveltuu myös tiivistä tai hygieenistä kattorakennetta edellyttävissä keittiö- sairaala- tai elintarviketeollisuuden tuotantotiloihin

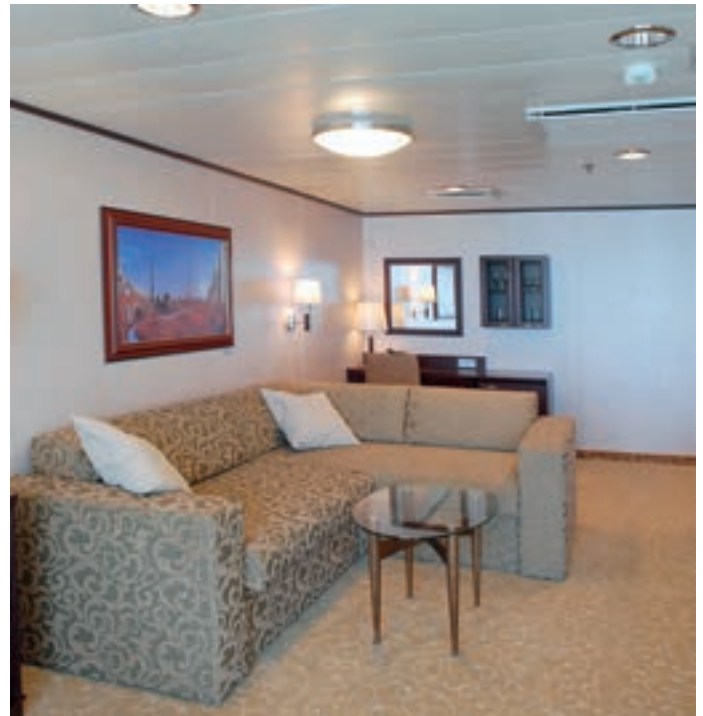
Lautex Panels

Panel ceilings form uniform, even and, if needed, tight structures that separate different spaces, which conceal such things as structures and technical equipment located above the suspended ceiling.

Standard panel widths varies 50–300 mm, and special widths are also possible.

Sealed panel ceilings are especially well suited to spaces where the ceiling must be airtight, such as kitchens, hospitals, the food industry or other hygienic premises.





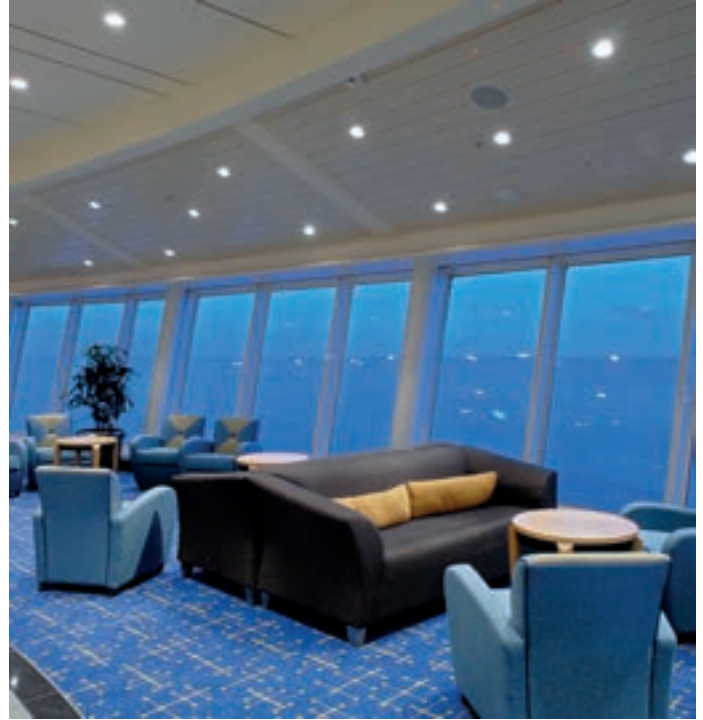
Yläkuva/picture above:
 Lautex UP-150 Paneeli / UP-150 Panel
 Risteilijä Color Fantasy / Cruiser Color Fantasy
 Alakuva/picture under:
 Lautex UP-100 Paneeli / UP-100 Panel
 Risteilijä Navigator of the Seas/Cruiser Navigator of the Seas

Yläkuva/picture above:
 Lautex KS-150 Paneeli /KS-150 Panel
 Pääkirjasto Metso / Metso Library
 Alakuva/picture under:
 Lautex NST-300/B-0 Paneeli / NST-300/B-0 Panel
 Autolautta Galaxy / Ferry Galaxy



Yläkuva/picture above:
Lautex UP-300 / UP-300 Panel
Loistoristeilijä Oasis of the Seas / Luxury Cruiser Oasis of the Seas
Alakuva/picture under:
Lautex UP-100 Paneeli / UP-100 Paneeli
Autolautta Star / Ferry Star

Yläkuva/picture above:
Lautex KS-300 Paneeli, erikoiskatto / PR-U profile module
Pääkirjasto Hollola / Main library Hollola
Alakuva/picture under:
Lautex KS-300 Paneeli / KS-300 Panel
Loistoristeilijä Allure of the Seas / Luxury Cruiser Allure of the Seas



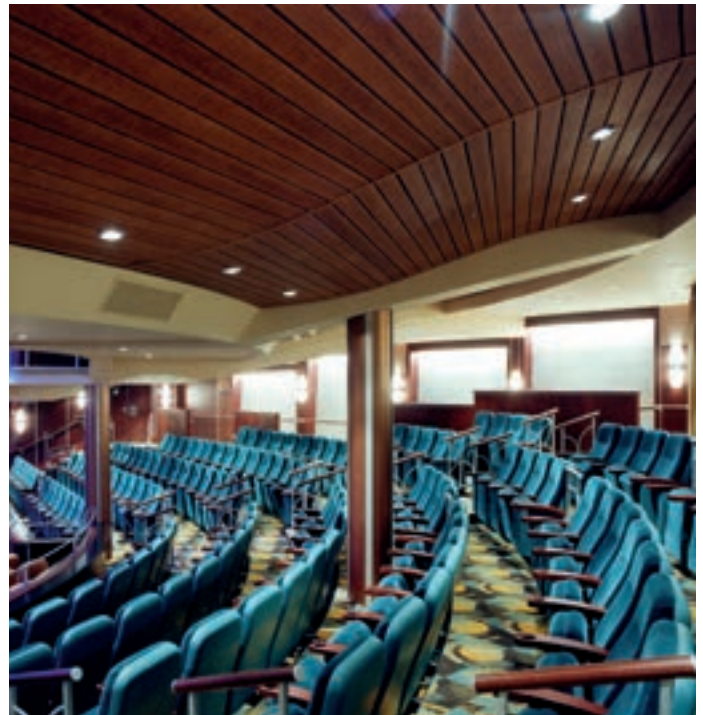
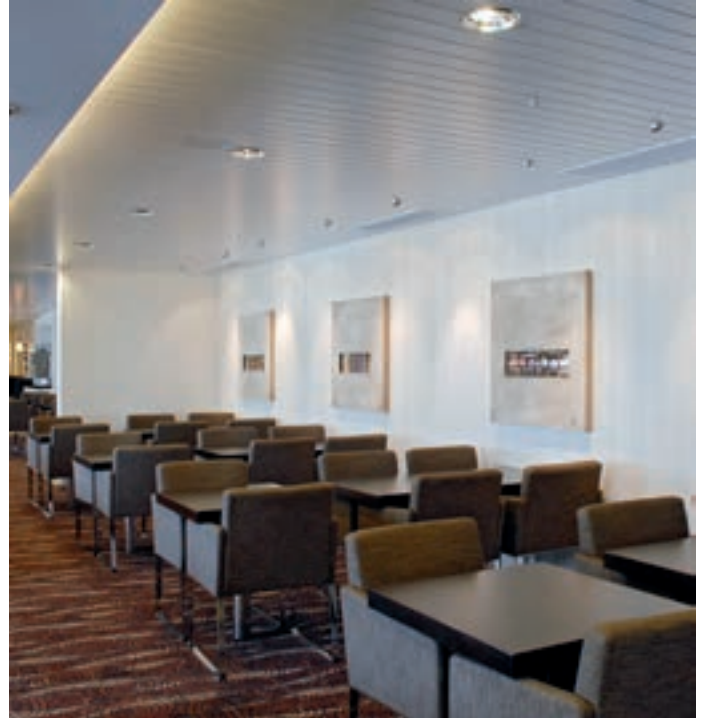
Yläkuva/picture above:
Lautex KF-100 Paneeli / KF-100 Panel
Ruokala / Canteen
Alakuva/picture under:
Lautex KS-150 / KS-150 Panel
Risteilijä Color Fantasy / Cruiser Color Fantasy

Yläkuva/picture above:
Lautex KS-100 Paneeli / KS-100 Panel
Risteilijä Liberty of the Seas / Cruiser Liberty of the Seas
Alakuva/picture under:
Lautex KS-300 Paneeli, erikoiskatto/ KS-300 Panel, special ceiling
Pääkirjasto Hollola, Main library Hollola



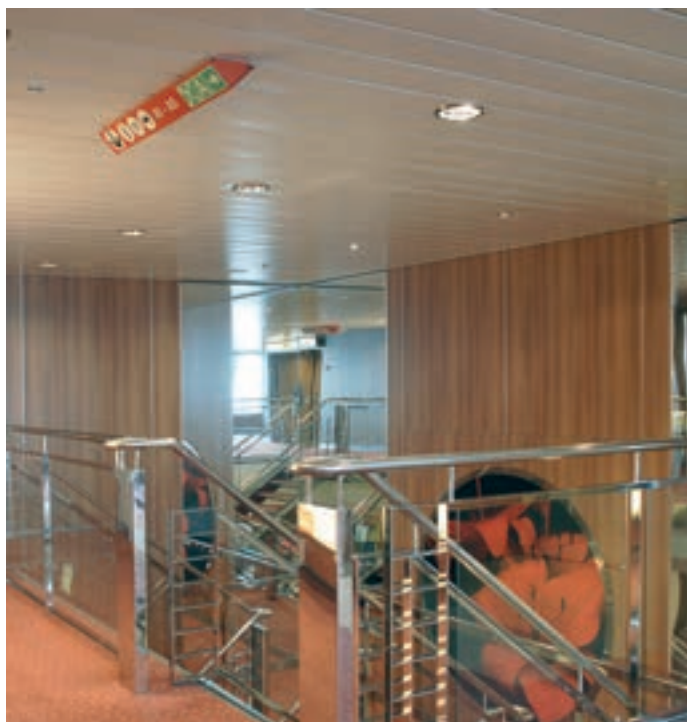
Yläkuva/picture above:
Lautex KS-300 Paneeli + palkit / KS-300 Panel+beams
Loistoristeilijä Allure of the Seas / Luxury Cruiser Allure of the Seas
Alakuva/picture under:
Lautex UP-50 Paneeli / UP-50 Panel
Pankki / Bank

Yläkuva/picture above:
Lautex KS-200 Paneeli + valokourut/ KS-200 Panel +light coves
Autolautta Romantika / Ferry Romantika
Alakuva/picture under:
Lautex KS-200 Paneeli +peilidoomi / KS-200 Panel + mirrordome
Autolautta Galaxy / Ferry Galaxy



Yläkuva/picture above:
Lautex KS-100 Paneeli / KS-100 Panel
Autolautta Star / Ferry Star
Alakuva/picture under:
Lautex UP-100 Paneeli / UP-100 Panel
Risteilijä Navigator of the Seas / Cruiser Navigator of the Seas

Yläkuva/picture above:
Lautex KS-100 Paneeli /KS-100 Panel
Autolautta Star / Ferry Star
Alakuva/picture under:
Lautex KS-100 Paneeli ilma-avulla /KS-100 Panel with air gaps
Risteilijä Navigator of the Seas / Cruiser Navigator of the Seas



Yläkuva/picture above:
Lautex S-200 Paneeli / S-200 Panel
Sairaala / Hospital

Alakuva/picture under:
Lautex KS-150 Paneeli / KS-150 Panel
Autolautta Star / Ferry Star

Yläkuva/picture above:
Lautex KS-150 Paneeli / KS-150 Panel
Risteilijä Birka Paradise / Cruiser Birka Paradise
Alakuva/picture under:
Lautex T-300 Paneeli / T-300 Panel
Käytävä / Corridor



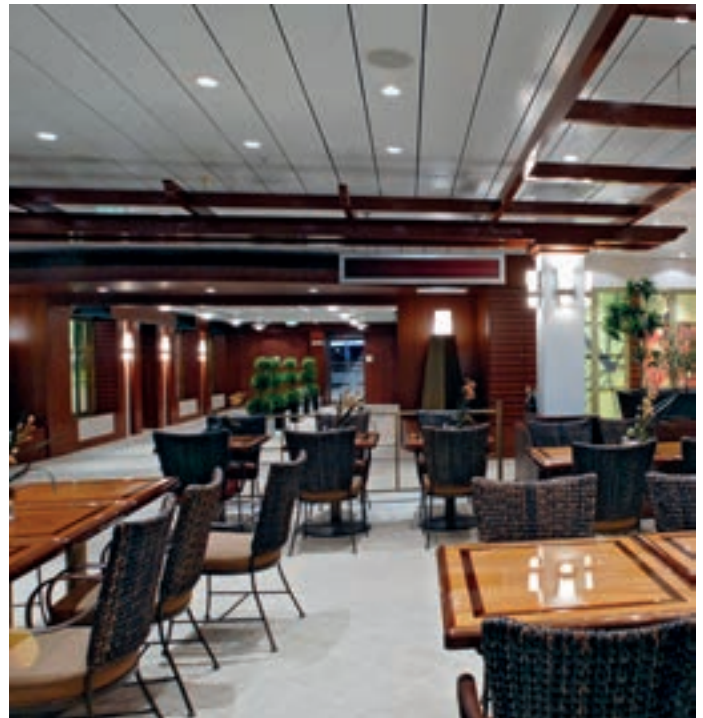
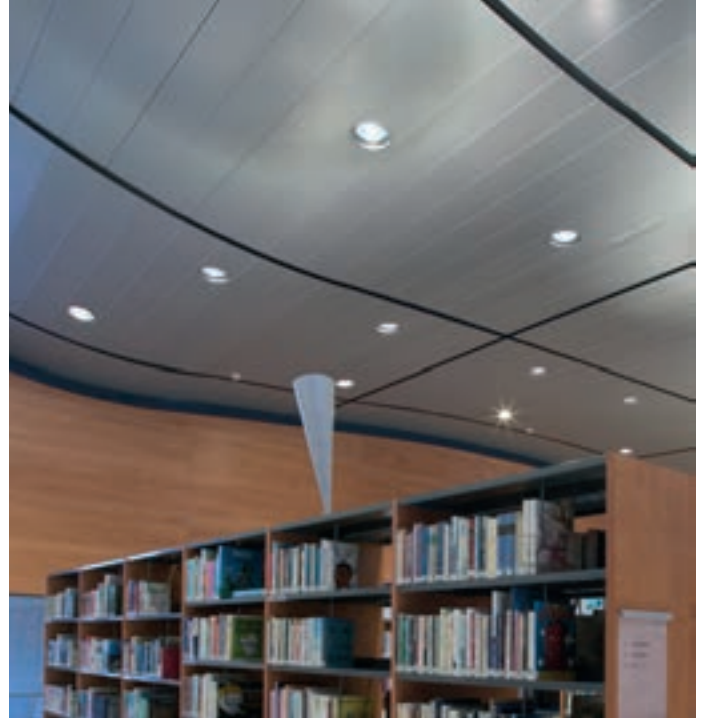
Yläkuva/picture above:
Lautex KS-200 Paneeli / KS-200 Panel
Risteilijä Liberty of the Seas / Cruiser Liberty of the Seas
Alakuva/picture under:
Lautex KS-200 Paneeli + doomi / KS-200 Panel + dome
Autolautta Romantika / Ferry Romantika

Yläkuva/picture above:
Lautex UP-100 Paneeli / UP-100 Panel
Risteilijä Freedom of the Seas / Cruiser Freedom of the Seas
Alakuva/picture under:
Lautex KS-300 Paneeli, erikoiskatto/ KS-300 Panel, special ceiling
Pääkirjasto Hollola, Main library Hollola



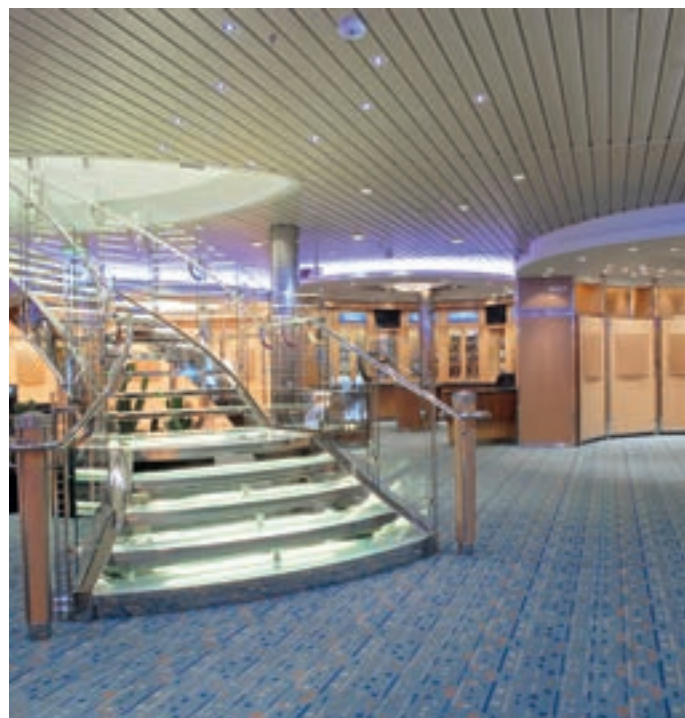
Yläkuva/picture above:
Lautex UP-200 Paneeli / UP-200 Panel
Risteilijä Liberty of the Seas / Cruiser Liberty of the Seas
Alakuva/picture under:
Lautex KS-150 Paneeli / KS-150 Panel
Autolautta Star / Ferry Star

Yläkuva/picture above:
Lautex UP-300 Paneeli / UP-300 Panel
Autolautta Romantika / Ferry Romantika
Alakuva/picture under:
Lautex KS-200 Paneeli / KS-200 Panel
Risteilijä Navigator of the Seas / Cruiser Navigator of the Seas



Yläkuva/picture above:
Lautex UP-100 Paneeli / UP-100 Panel
Risteilijä Liberty the Seas / Cruiser Liberty of the Seas
Alakuva/picture under:
Lautex UP-150 Paneeli / UP-150 Panel
Risteilijä Navigator of the Seas / Cruiser Navigator of the Seas

Yläkuva/picture above:
Lautex KS-300 Paneeli, erikoiskatto/ KS-300 Panel, special ceiling
Pääkirjasto Hollola, Main library Hollola
Alakuva/picture under:
Lautex KS-300 Paneeli / KS-300 Panel
Risteilijä Liberty of the Seas / Cruiser Liberty of the Seas



Yläkuva/picture above:
Lautex UP-100 Paneeli / UP-100 Panel
Autolautta Star / Ferry Star
Alakuva/picture under:
Lautex KS-100 Paneeli / KS-100 Panel
Autolautta Star / Ferry Star

Yläkuva/picture above:
Lautex KS-150 Paneeli / KS-150 Panel
Autolautta Star / Ferry Star
Alakuva/picture under:
Lautex UP-100 Paneeli / UP-100 Panel
Risteilijä Freedom of the Seas / Cruiser Freedom of the Seas



Yläkuva/picture above:
Lautex T-300 Paneeli / T-300 Panel
Käytävä / Corridor



Yläkuva/picture above:
Lautex HT-200 Seinäpaneeli / HT-200 Wall Panel
Loistoristeilijä Oasis of the Seas / Luxury Cruiser Oasis of the Seas

Etusivulla:

Yläkuva/picture above:

Lautex KS-300 Paneeli / KS-300 Panel

Loistoristeilijä Oasis of the Seas / Luxury Cruiser Oasis of the Seas

Alakuva/picture under:

Lautex UP-100 Panel + palkit / UP-100 Panel + beams

Autolautta Birka Paradise / Ferry Birka Paradise

Yhteystiedot /Contact

Oy Lautex Ab

Ojakkalantie 13, FIN-03101 Nummela
FINLAND

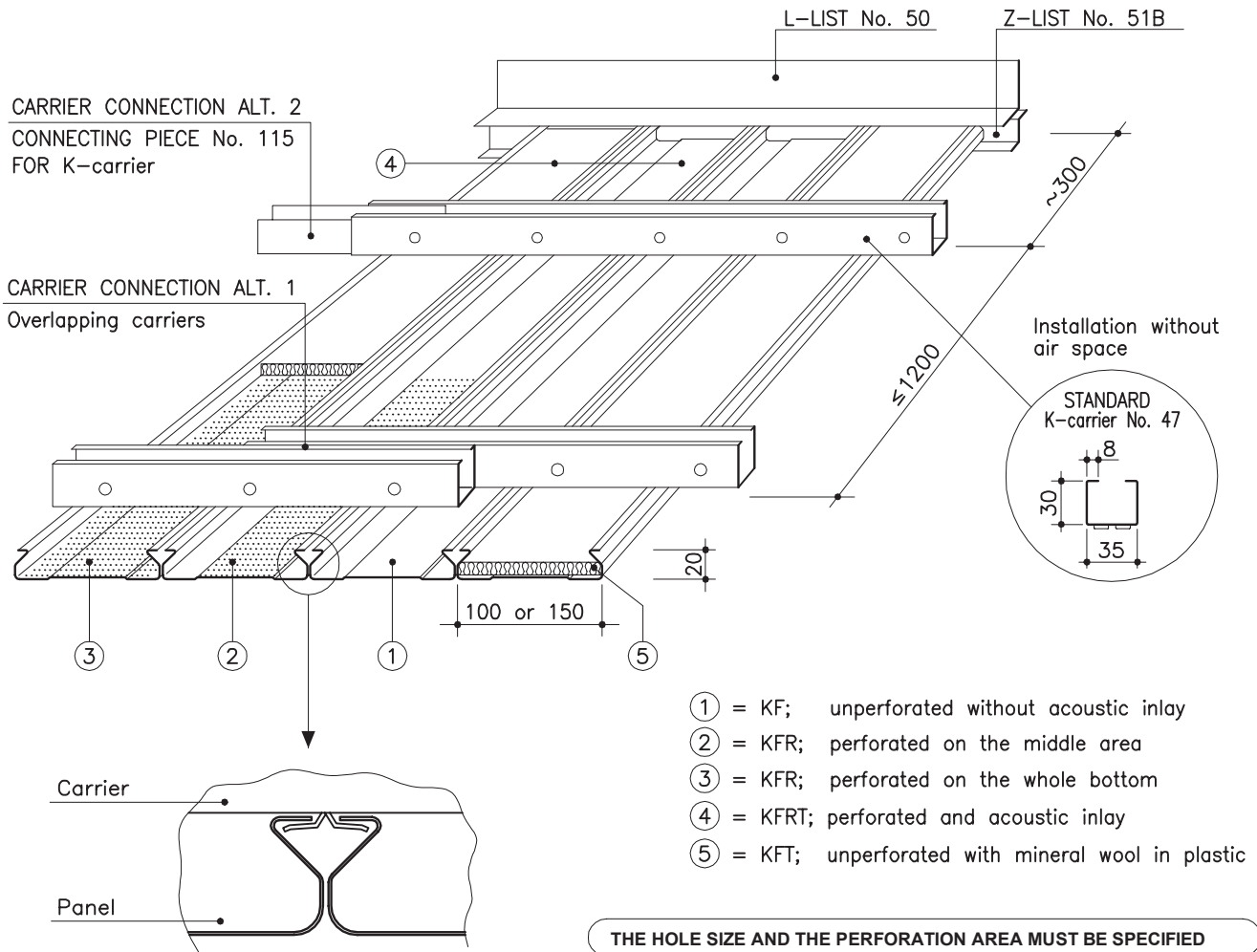
Telephone +358 (0)9 2248 810

E-mail: sales@lautex.com

www.lautex.com



MARINE PANEL LAUTEX KF-100 AND -150



KF-100 AND KF-150 PANELS / CLASSIFICATION "C"

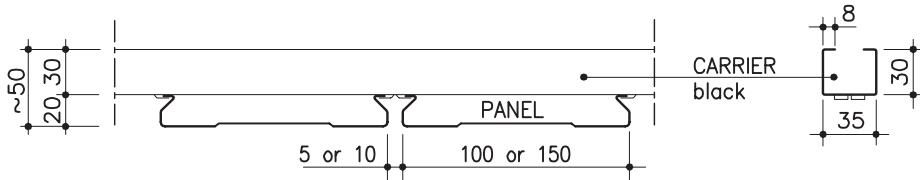
Material	0.5 Al 0.5 steel	0.5 Al 0.7 Al 0.5 steel
Width	100 mm	150 mm
Height	20 mm	
Length	max 6500 mm	
Perforation	ø 2.0/15 %, other alternatives see group 6 "perforations"	
Inlay	mineral wool in plastic or acoustic felt	
Finish	stove enamelled (or anodized) according to any well-known colour chart	
Ventilation	installation with air space 5 or 10 mm, also according to order, min. 4 mm (see overleaf)	
Protective film	the surface is provided with a protective film if required	
Service hatch	see overleaf	
Loudspeaker panel	see overleaf	
Downlight unit	see overleaf	
Connecting splice	KF-100 No.181L, KF-150 No.181N, see page 28	
Suspension	see "Suspension system for panels" page 27	
Edge lists	see group 6 "Lautex lists" and page 28 "Lautex marine panels typical details"	
Other solutions	please contact our technical information department	

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX KF-100 AND -150 INSTALLATION ACCESSORIES

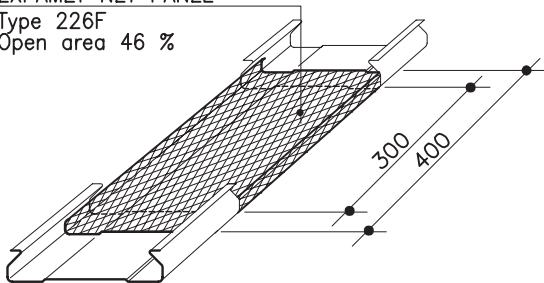
INSTALLATION WITH AIR SPACE 5 AND 10 MM (ALSO ACCORDING TO ORDER; MIN. 4 MM)



CARRIER No.	PANEL'S WIDTH	c/c
45A	100	105
45B	100	110
45C	150	155
45D	150	160
45X	100	X
45X	150	X

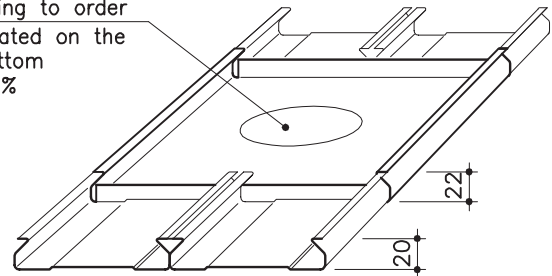
LOUDSPEAKER PANEL

EXPAMET NET PANEL
Type 226F
Open area 46 %



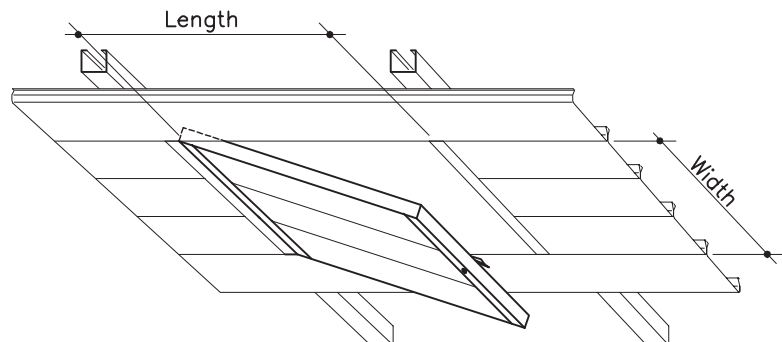
DOWNLIGHT OR LOUDSPEAKER PANEL

Ø According to order
or perforated on the
whole bottom
Ø3.5/25 %



STANDARD SERVICE HATCHES

LENGTH x WIDTH (opening in the ceiling)
300 x 300
600 x 600



SOLUTIONS OF PANEL EXTENSION AND PANEL CONNECTION TO WALL PLEASE SEE PAGE 28

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 45, 47	1.2 – 1.6 m/m ²
Carrier lock	1 pcs/carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51B	0.8 – 1.4 m/m ²

WEIGHT OF PANELS KG / M²

	KF-100		KF-150		
Material	0.5 Al	0.5 steel	0.5 Al	0.7 Al	0.5 steel
Weight	2.03	6.00	1.80	2.52	5.33

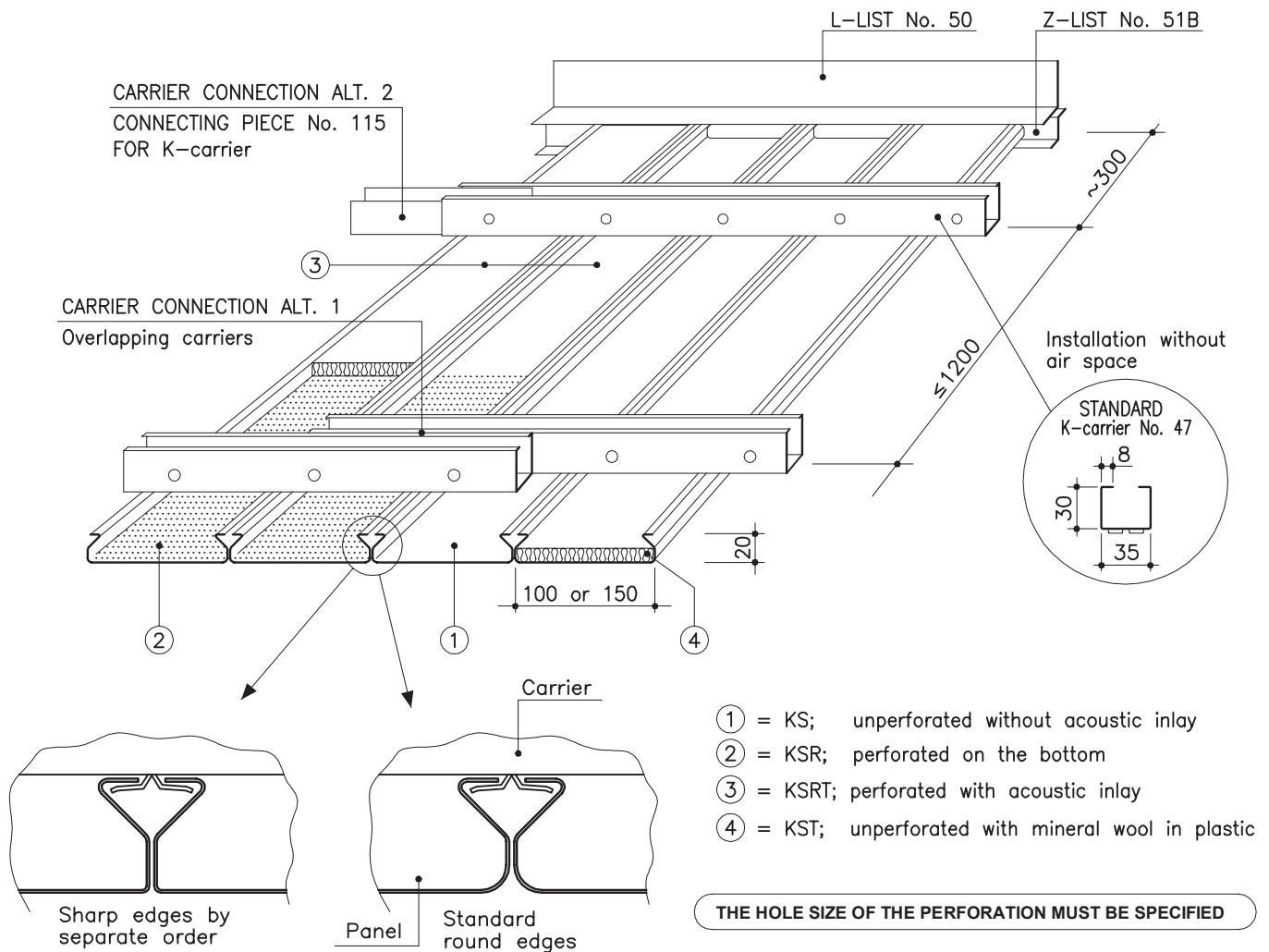
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 45 or 47	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 Steel)	0.62 kg/m
Z-list No. 51B (1.0 Al)	0.15 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX KS-100 AND -150



KS-100 AND KS-150 PANELS / CLASSIFICATION "C"

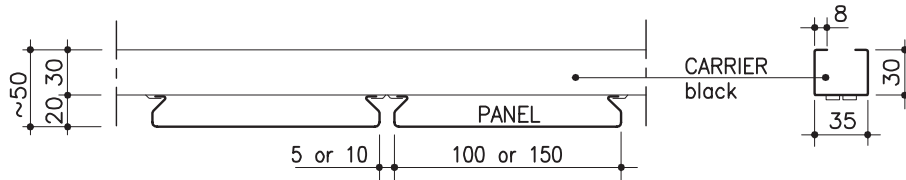
Material	0.5 Al	0.5 steel	0.5 Al	0.7 Al	0.5 steel
Width	100 mm		150 mm		
Height	20 mm				
Length	max 6500 mm				
Perforation	Ø 2.0/15 %, other alternatives see group 6 "perforations"				
Inlay	mineral wool in plastic or acoustic felt				
Finish	stove enamelled (or anodized) according any well-known colour chart				
Ventilation	installation with air space 5 or 10 mm, also according to order, min. 4 mm (see overleaf)				
Protective film	the surface is provided with a protective film if required				
Service hatch	see overleaf				
Loudspeaker panel	see overleaf				
Downlight unit	see overleaf				
Connecting splice	KS-100 No. 181L, KS-150 No. 181N see page 28				
Suspension	see "Suspension systems for panels", page 27				
Edge lists	see group 6 "Lists" and page 28 "Lautex marine panels typical details"				
Other solutions	please contact our technical information department				

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX KS-100 AND -150 INSTALLATION ACCESSORIES

INSTALLATION WITH AIR SPACE 5 AND 10 MM (ALSO ACCORDING TO ORDER; MIN. 4 MM)

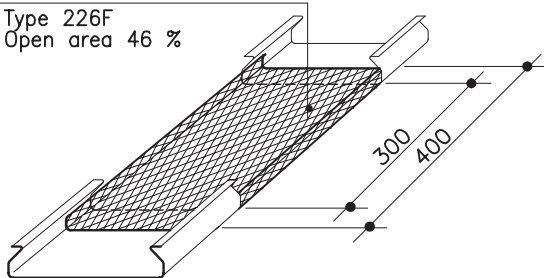


CARRIER No.	PANEL'S WIDTH	c/c
45A	100	105
45B	100	110
45C	150	155
45D	150	160
45X	100	X
45X	150	X

LOUDSPEAKER PANEL

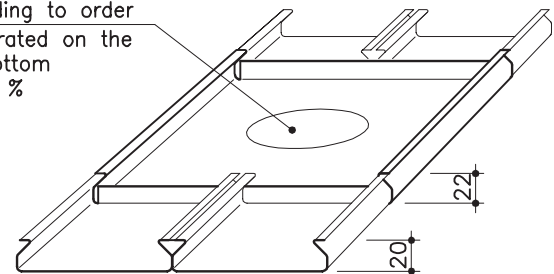
EXPAMET NET PANEL

Type 226F
Open area 46 %



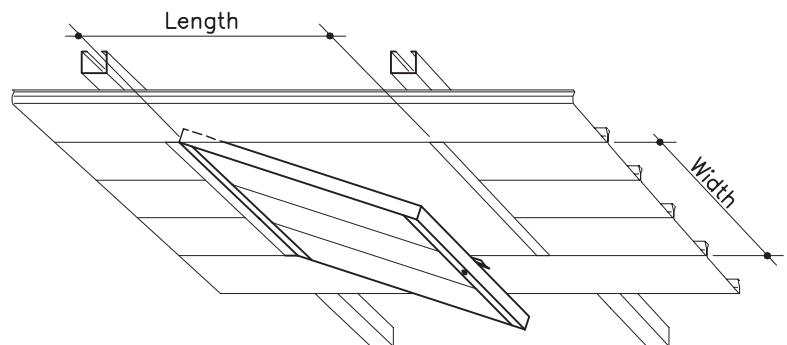
DOWNLIGHT OR LOUDSPEAKER PANEL

Ø According to order
or perforated on the
whole bottom
Ø3.5/25 %



STANDARD SERVICE HATCHES

LENGTH x WIDTH (opening in the ceiling)
300 x 300
600 x 600



SOLUTIONS OF PANEL EXTENSION AND PANEL CONNECTION TO WALL PLEASE SEE PAGE 28

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 45, 47	1.2 – 1.6 m/m ²
Carrier lock	1 pcs/carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51B	0.8 – 1.4 m/m ²

WEIGHT OF PANELS KG / M²

	KS-100		KS-150		
Material	0.5 Al	0.5 steel	0.5 Al	0.7 Al	0.5 steel
Weight	2.03	6.00	1.80	2.52	5.33

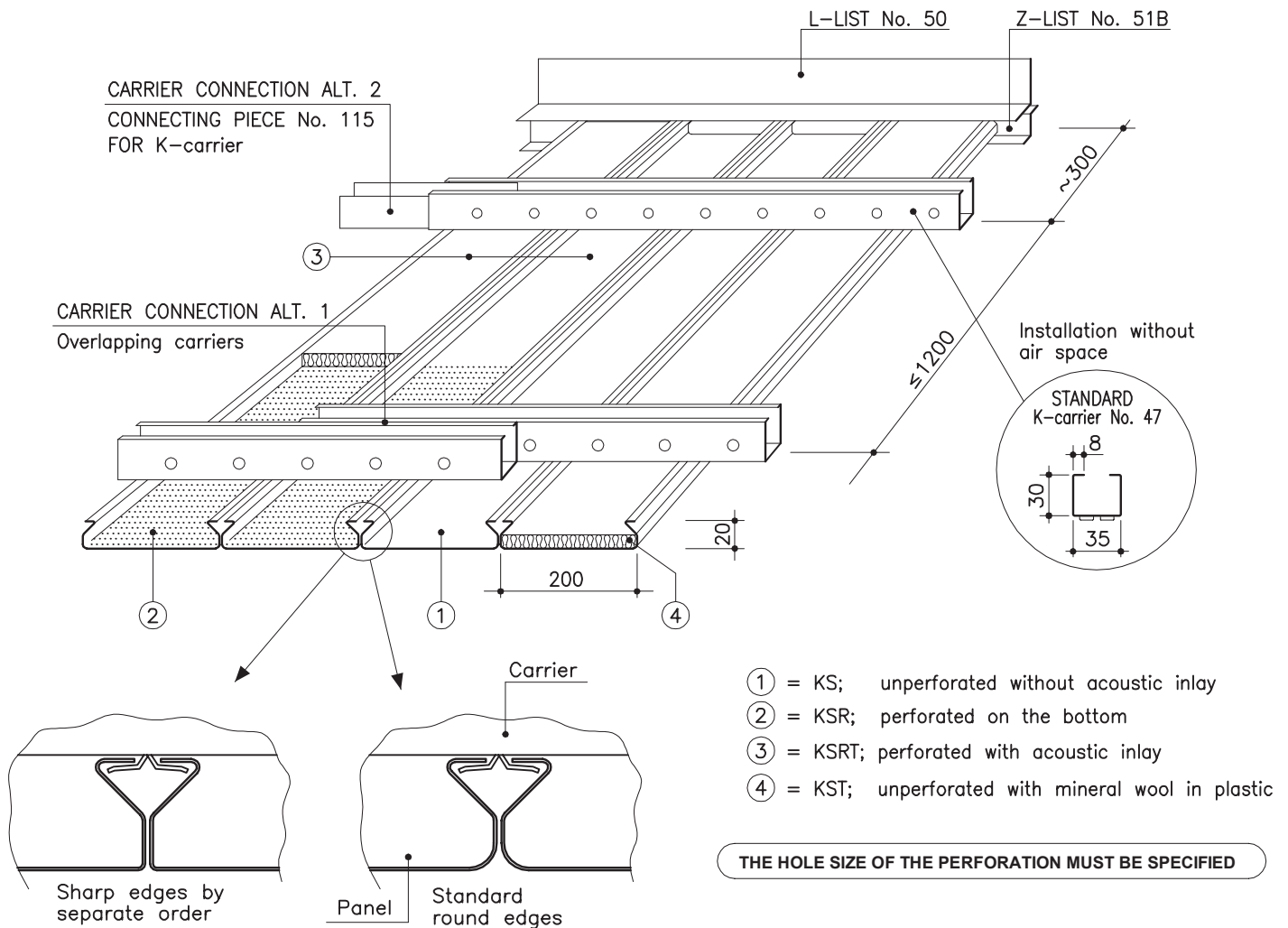
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 45 or 47	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 Steel)	0.62 kg/m
Z-list No. 51B (1.0 Al)	0.15 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX KS-200



KS-200 PANELS / CLASSIFICATION "C"

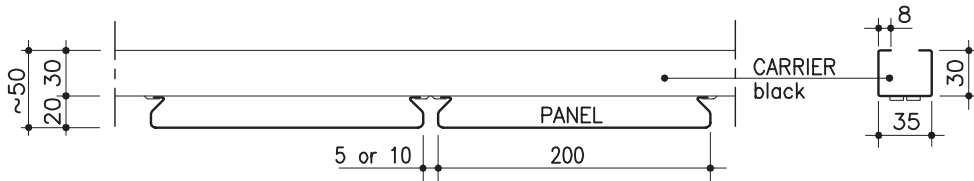
Material	0.7 Al, 0.5 steel
Width	200 mm
Height	20 mm
Length	max 6500 mm
Perforation	Ø 2.0/15 %, other alternatives see group 6 "perforations"
Inlay	mineral wool in plastic or acoustic felt
Finish	stove enamelled (or anodized) according any well-known colour chart
Ventilation	installation with air space 5 or 10 mm, also according to order, min. 4 mm (see overleaf)
Protective film	the surface is provided with a protective film if required
End bendings	according to order
Service hatch	see overleaf
Loudspeaker panel	see overleaf
Downlight unit	see overleaf
Connecting splice	No. 181R see page 28
Suspension	see "Suspension systems for panels" page 27
Edge lists	see group 6 "Lautex lists" and page 28 "Lautex marine panels typical details"
Other solutions	please contact our technical information department

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX KS-200 INSTALLATION ACCESSORIES

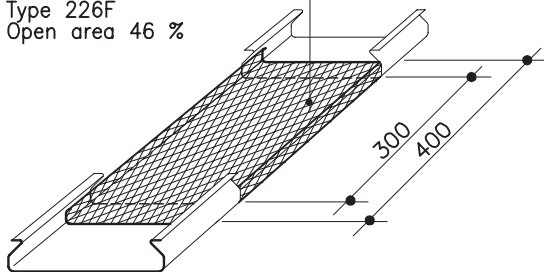
INSTALLATION WITH AIR SPACE 5 AND 10 MM (ALSO ACCORDING TO ORDER; MIN. 4 MM)



CARRIER No.	PANEL'S WIDTH	c/c
45E	200	205
45F	200	210
45X	200	X

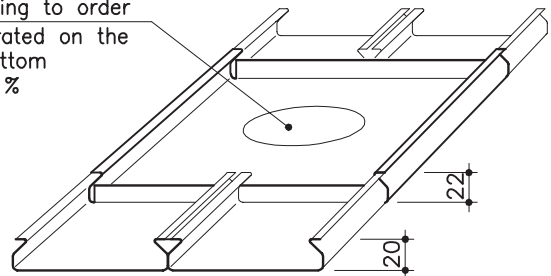
LOUDSPEAKER PANEL

EXPAMET NET PANEL
Type 226F
Open area 46 %



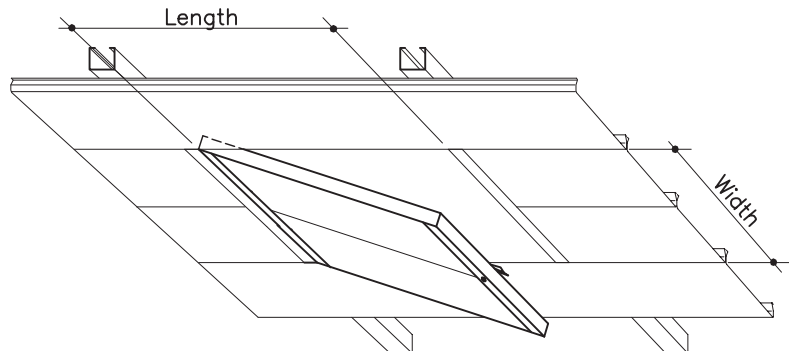
DOWNLIGHT OR LOUDSPEAKER PANEL

Ø According to order
or perforated on the
whole bottom
Ø3.5/25 %



STANDARD SERVICE HATCH

LENGTH x WIDTH (opening in the ceiling)
400 x 400
600 x 600



SOLUTIONS OF PANEL EXTENSION AND PANEL CONNECTION TO WALL PLEASE SEE PAGE 28

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 45, 47	1.2 – 1.6 m/m ²
Carrier lock	1 pcs/carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51B	0.8 – 1.4 m/m ²

WEIGHT OF PANELS KG / M²

	KS-200	
Material	0.7 Al	0.5 steel
Weight	2.36	5.00

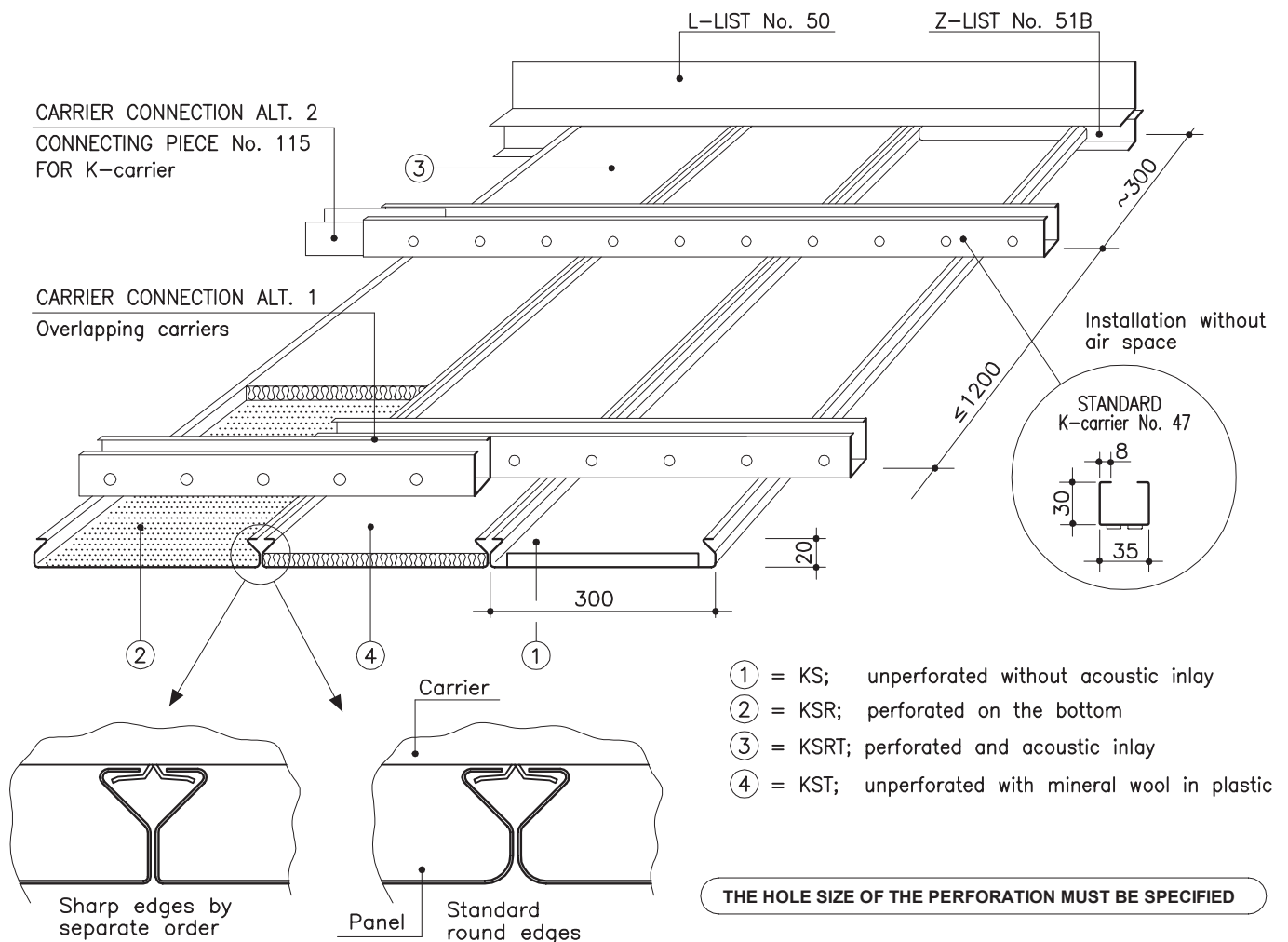
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 45 or 47	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 Steel)	0.62 kg/m
Z-list No. 51B (1.0 Al)	0.15 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX KS-300



KS-300 PANELS / CLASSIFICATION "C"

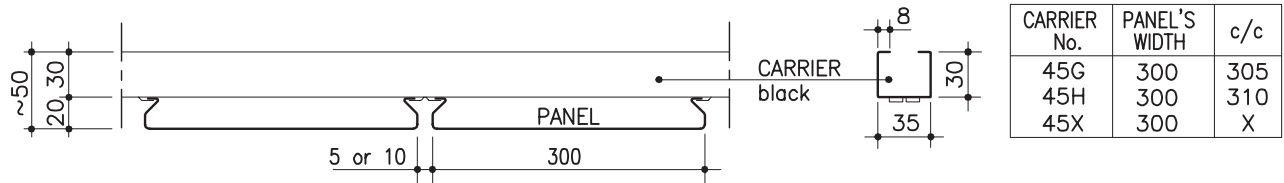
Material	0.7 Al, 0.6 steel
Width	300 mm
Height	20 mm
Length	max 6500 mm
Perforation	Ø3.5/25% mm, other alternatives see group 6 "Perforations"
Inlay	mineral wool in plastic or acoustic felt
Finish	stove enamelled (or anodized) according any well-known colour chart
Ventilation	installation with air space 5 or 10 mm, also according to order, min. 4 mm (see overleaf)
Protective film	the surface is provided with a protective film if required
End bendings	standard
Service hatch	see overleaf
Loudspeaker panel	see overleaf
Downlight unit	see overleaf
Connecting piece	No. 112B see page 28
Suspension	see "Suspension systems for panels" page 27
Edge lists	see group 6 "Lautex lists" and page 28 "Lautex marine panels typical details"
Other solutions	please contact our technical information department

Latest information: www.lautex.com

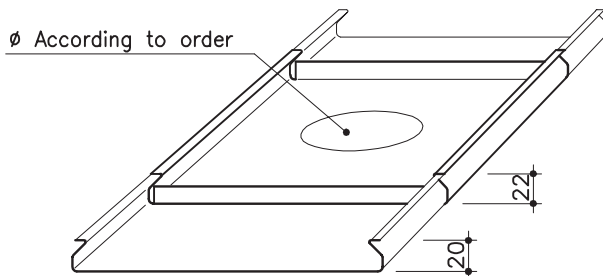
All products are subject to modifications without prior notice

MARINE PANEL LAUTEX KS-300 INSTALLATION ACCESSORIES

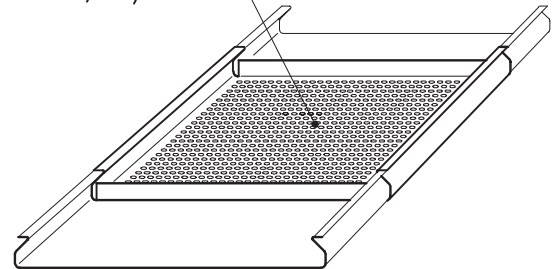
INSTALLATION WITH AIR SPACE 5 AND 10 MM (ALSO ACCORDING TO ORDER; MIN. 4 MM)



DOWNLIGHT OR LOUDSPEAKER PANEL

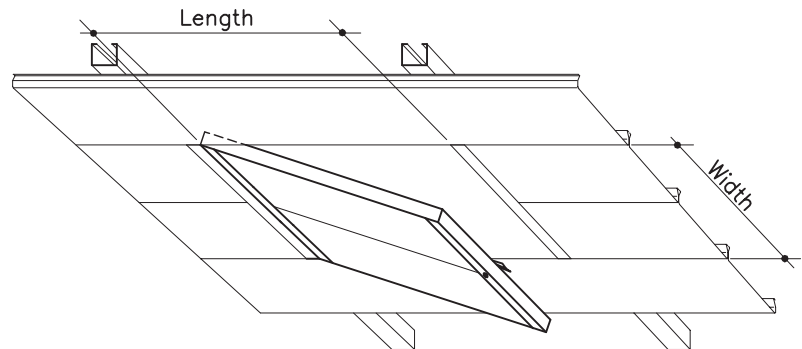


Perforated on the whole bottom Ø3.5/25%



STANDARD SERVICE HATCHES

LENGTH x WIDTH (opening in the ceiling)
300 x 300
600 x 600



SOLUTIONS OF PANEL EXTENSION AND PANEL CONNECTION TO WALL PLEASE SEE PAGE 28

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 45, 47	1.2 – 1.6 m/m ²
Carrier lock	1 pcs/carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51B	0.8 – 1.4 m/m ²

WEIGHT OF PANELS KG / M²

	KS-300	
Material	0.7 Al	0.6 steel
Weight	2.21	5.60

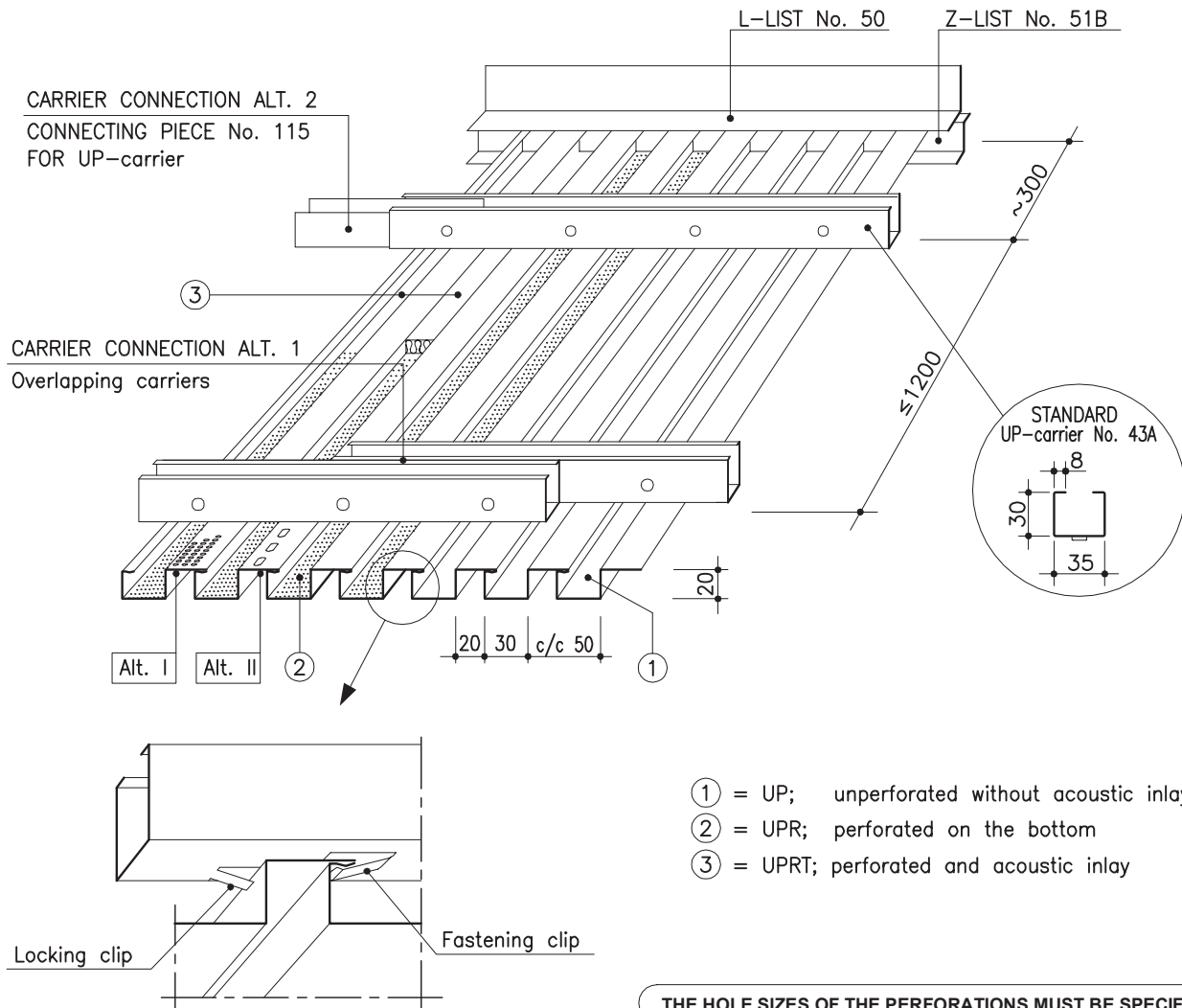
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 45 or 47	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 Steel)	0.62 kg/m
Z-list No. 51B (1.0 Al)	0.15 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX UP-50



THE HOLE SIZES OF THE PERFORATIONS MUST BE SPECIFIED

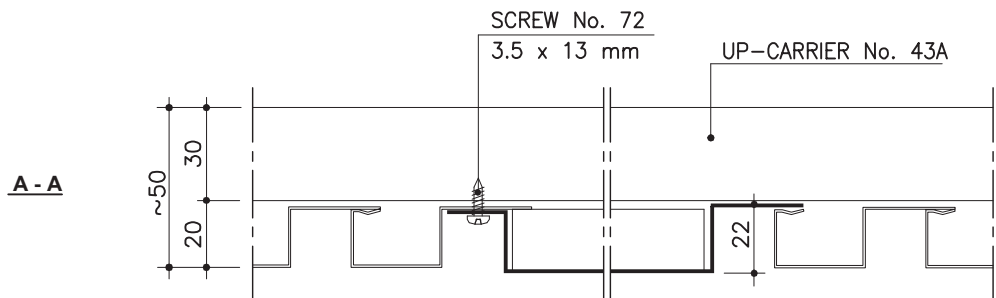
UP-50 PANELS / CLASSIFICATION "C"

Material	0.4 Al
Width	50 mm
Height	20 mm
Length	max 6500 mm
Perforation	Ø 1.1/21 % or 2.0/15 % mm, other alternatives see group 6 "Perforations"
Inlay	mineral wool in plastic or acoustic felt
Finish	stove enamelled (or anodized) according to any well-known colour chart
Ventilation	alt I Ø 3.5 mm, c/c 6.25 mm = 46 cm ² /m alt II Ø 5x7 mm, c/c 13 mm = 23 cm ² /m other alternatives see group 6 "Lautex-ventilation perforations"
Protective film	the surface is provided with a protective film if required
Service hatch	see overleaf
Loudspeaker panel	see overleaf
Downlight unit	see overleaf
Suspension	see "Suspension systems for panels" page 27
Connecting splice	No. 181J, see page 28
Edge lists	see group 6 "Lautex Lists" and page 28 "Lautex marine panels typical details"
Other solutions	please contact our technical information department

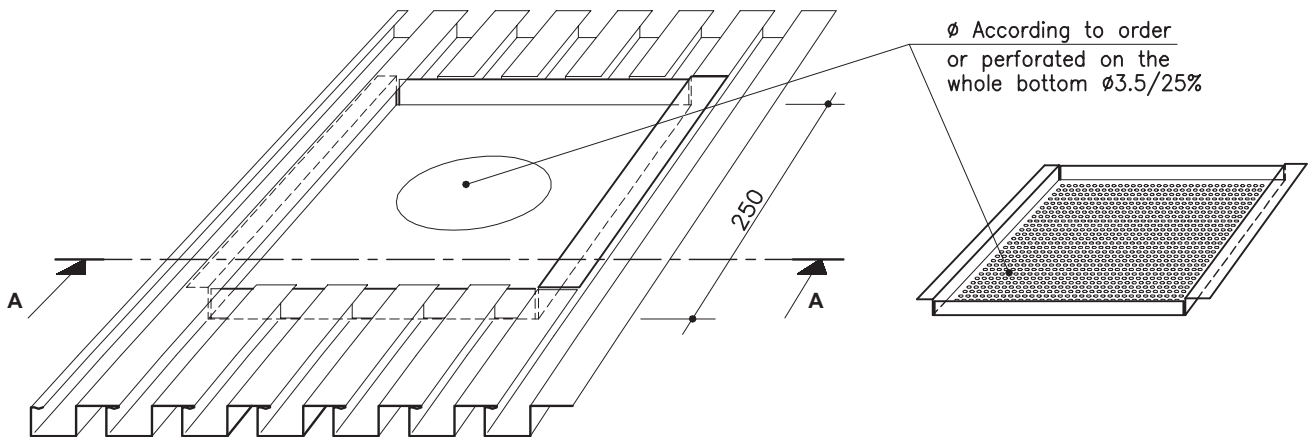
Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX UP-50 INSTALLATION ACCESSORIES

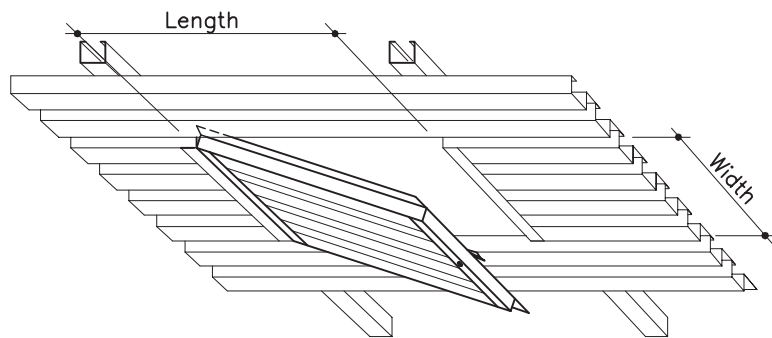


LOUDSPEAKER OR DOWNLIGHT PANEL



STANDARD SERVICE HATCHES

LENGTH x WIDTH (opening in the ceiling)
300 x 300
600 x 600



SOLUTIONS OF PANEL EXTENSION AND PANEL CONNECTION TO WALL PLEASE SEE PAGE 28

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 43A	1.2 – 1.6 m/m ²
Carrier lock	1 pcs/carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51B	0.8 – 1.4 m/m ²

WEIGHT OF PANELS KG / M²

	UP-50	
Material	0.4 Al	0.5 Steel
Weight	2.20	8.00

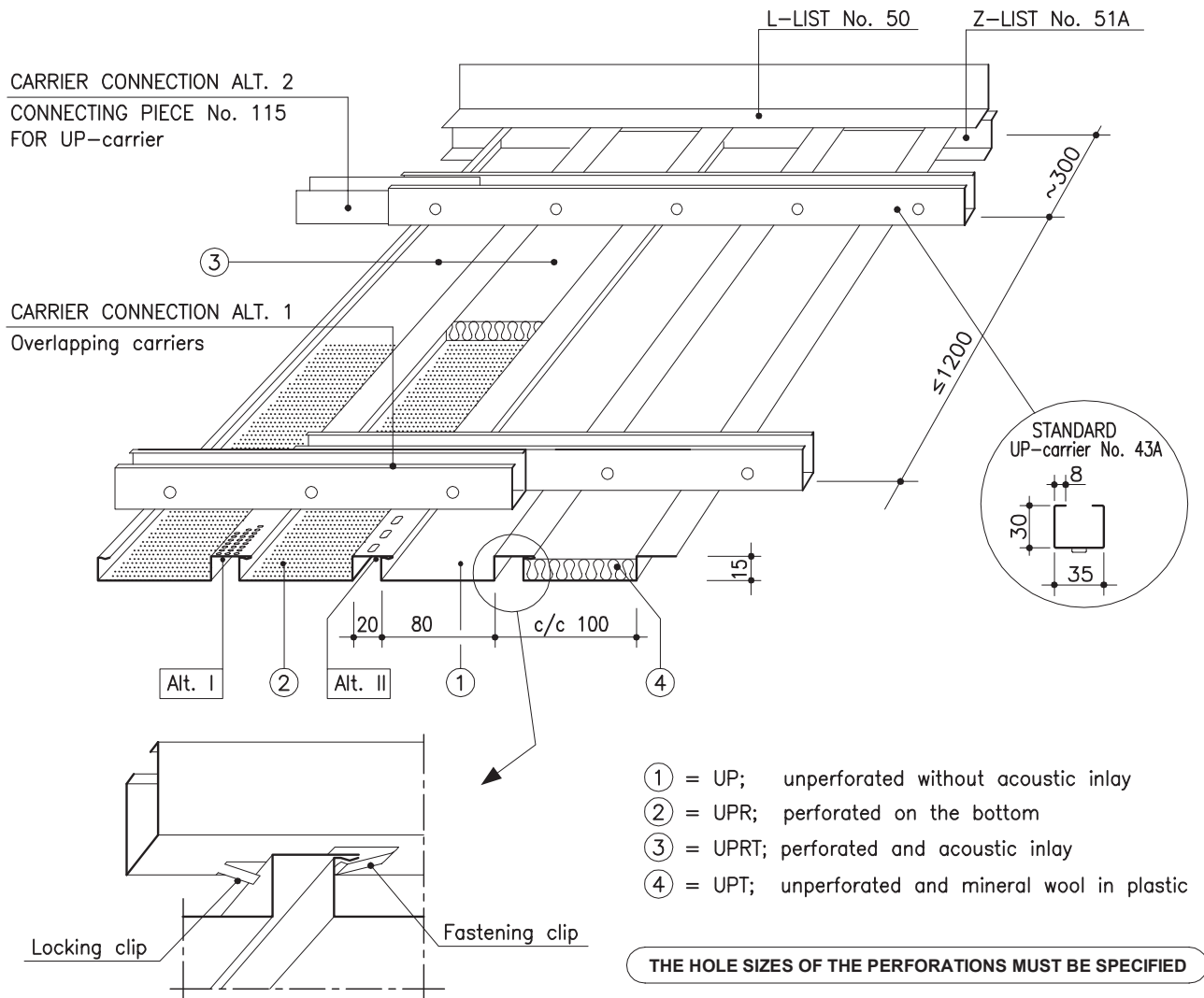
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 43A	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Z-list No. 51B (1.0 Al)	0.15 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX UP-100



UP-100 PANELS / CLASSIFICATION "C"

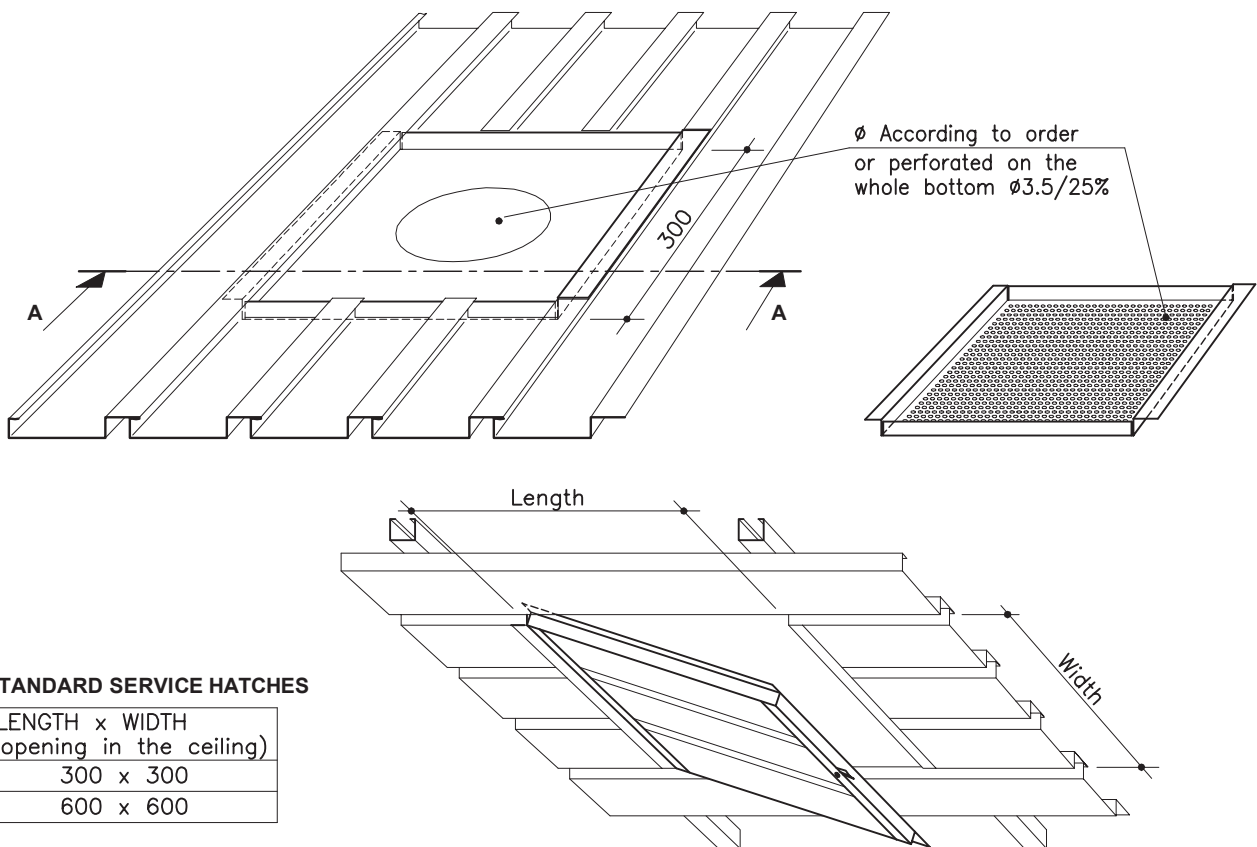
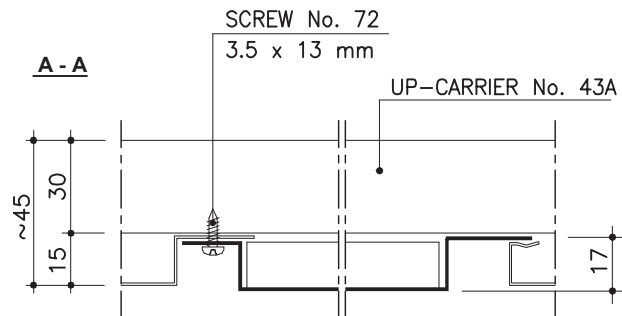
Material	0.5 Al 0.5 steel (0.7 Al)
Width	100 mm
Height	15 mm
Length	max 6500 mm
Perforation	Ø 2.0/15 %, other alternatives see group 6 "Perforations"
Inlay	mineral wool in plastic or acoustic felt
Finish	stove enamelled (or anodized) according to any well-known colour chart
Ventilation	alt I Ø 3.5 mm, c/c 6.25 mm = 46 cm ² /m alt II Ø 5x7 mm, c/c 13 mm = 23 cm ² /m other alternatives see group 6 "Lautex-ventilation perforations"
Protective film	the surface is provided with a protective film if required
Service hatch	see overleaf
Loudspeaker panel	see overleaf
Downlight unit	see overleaf
Connecting splice	No. 181K, see page 28
Suspension	see "Suspension systems for panels" page 27
Edge lists	see page group 6, "Lautex lists" and page 28 "Lautex marine panels typical details"
Other solutions	please contact our technical information department

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX UP-100 INSTALLATION ACCESSORIES

LOUDSPEAKER OR DOWNLIGHT PANEL



STANDARD SERVICE HATCHES

LENGTH x WIDTH (opening in the ceiling)
300 x 300
600 x 600

SOLUTION OF PANEL EXTENSION AND PANEL CONNECTION TO WALL PLEASE SEE PAGE 28

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 43A	1.2 – 1.6 m/m ²
Carrier lock	1 pcs/carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51A	0.8 – 1.4 m/m ²

WEIGHT OF PANELS KG / M²

	UP-100	
Material	0.5 Al	0.5 steel
Weight	1.89	5.60

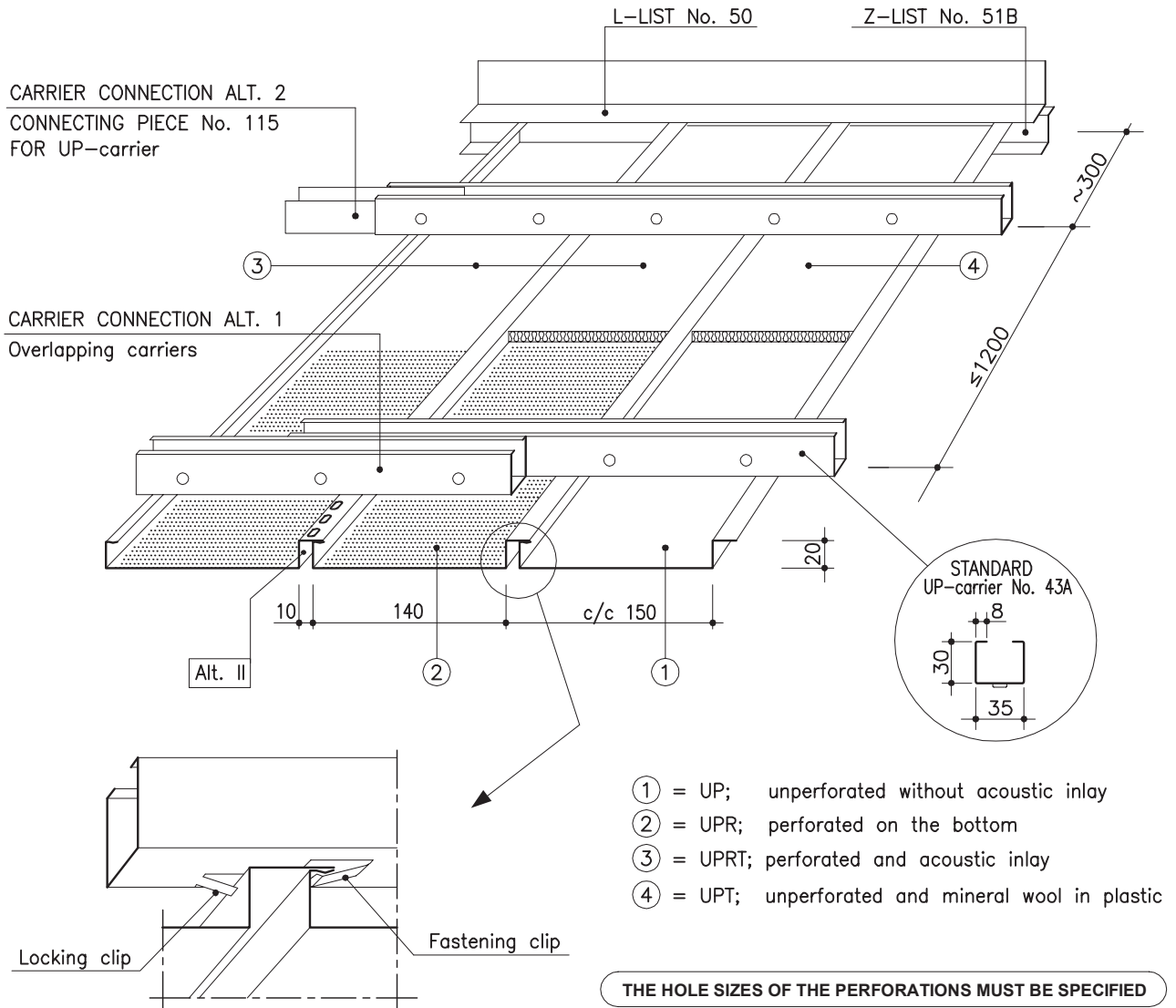
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 43A	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Z-list No. 51A (1.0 Al)	0.14 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX UP-150



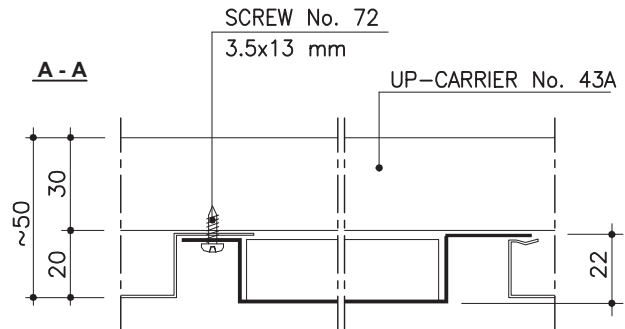
UP-150 PANELS / CLASSIFICATION "C"

Material	0.5 Al 0.7 Al
Width	150 mm
Height	20 mm
Length	max 6500 mm
Perforation	Ø 2.0/15%, other alternatives see group 6 "Perforations"
Inlay	mineral wool in plastic or acoustic felt
Finish	stove enamelled (or anodized) according to any well-known colour chart
Ventilation	alt II Ø 5x7 mm, c/c 13 mm = 23 cm ² /m
Protective film	the surface is provided with a protective film if required
Service hatch	see overleaf
Loudspeaker panel	see overleaf
Downlight unit	see overleaf
Connecting splice	No. 181P, see page 28
Suspension	see "Suspension systems for panels" page 27
Edge lists	see group 6 "Lautex lists" and page 28 "Lautex marine panels typical details"
Other solutions	please contact our technical information department

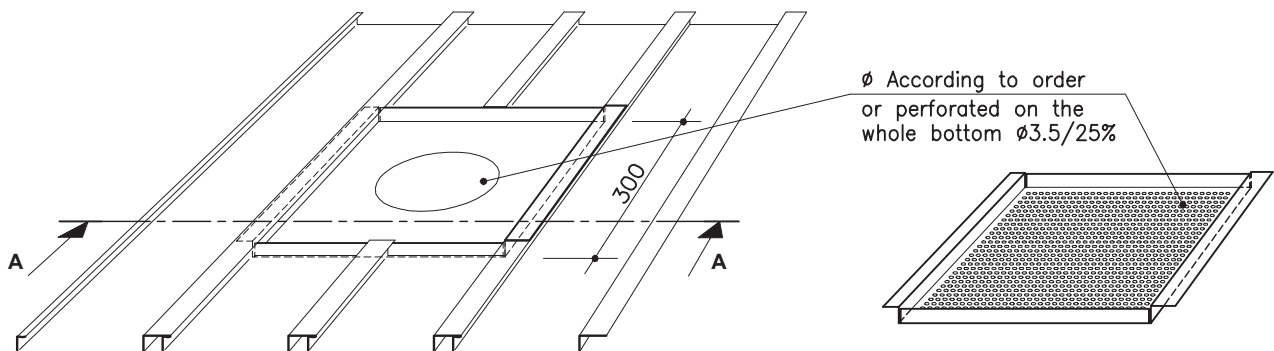
Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX UP-150 INSTALLATION ACCESSORIES

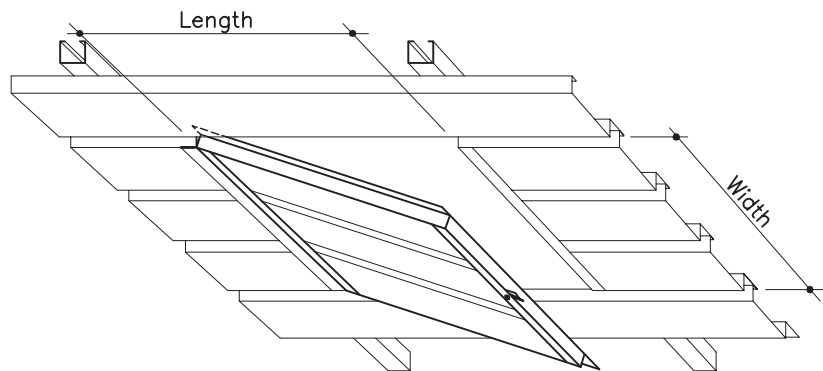


LOUDSPEAKER OR DOWNLIGHT PANEL



STANDARD SERVICE HATCHES

LENGTH x WIDTH (opening in the ceiling)
300 x 300
600 x 600



SOLUTIONS OF PANEL EXTENSION AND PANEL CONNECTION TO WALL PLEASE SEE PAGE 28

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 43A	1.2 – 1.6 m/m ²
Carrier lock	1 pcs/carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51B	0.8 – 1.4 m/m ²

WEIGHT OF PANELS KG / M²

	UP-150	
Material	0.5 Al	0.7 Al
Weight	1.80	2.52

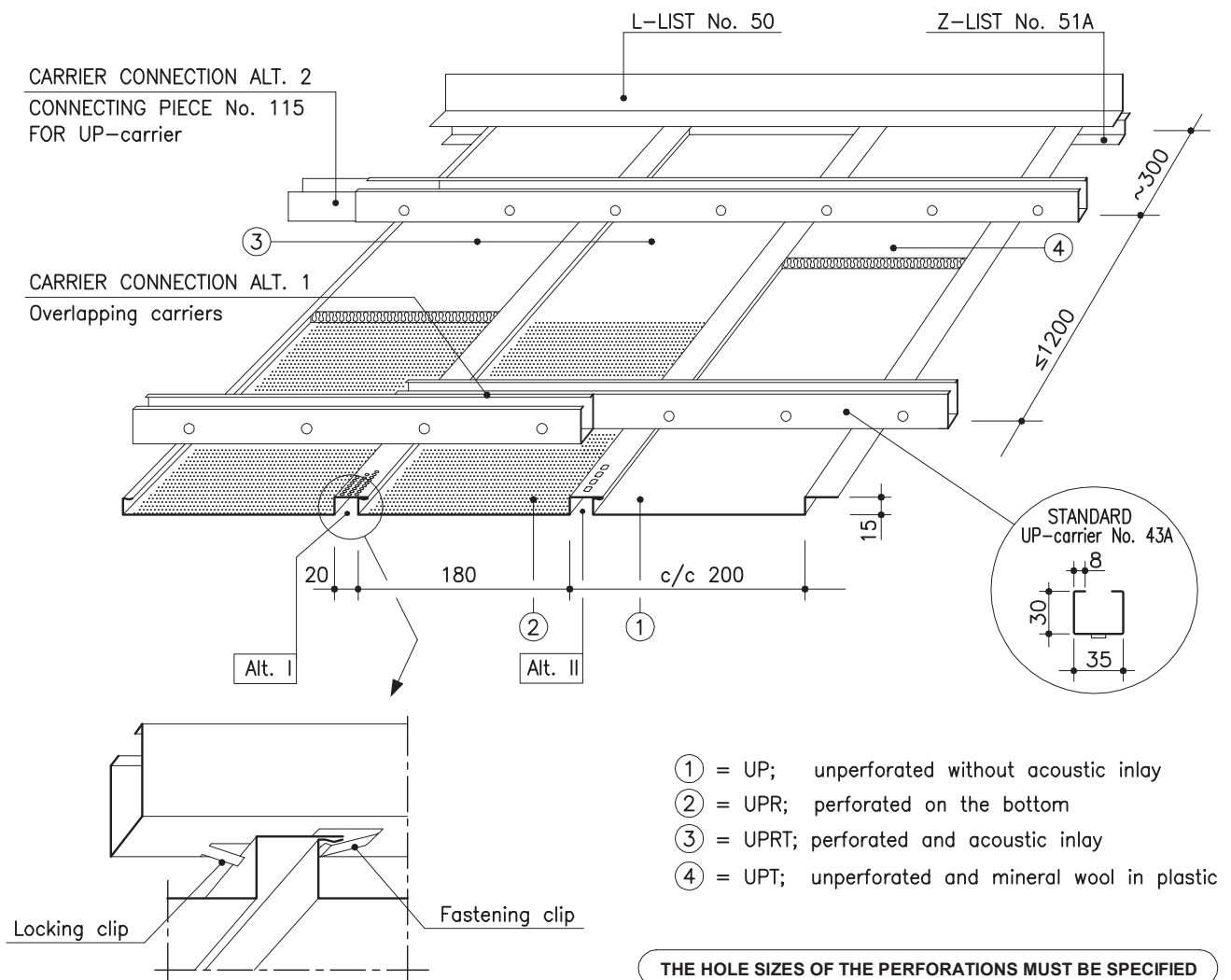
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 43A	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 Steel)	0.62 kg/m
Z-list No. 51B (1.0 Al)	0.15 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX UP-200 / 15



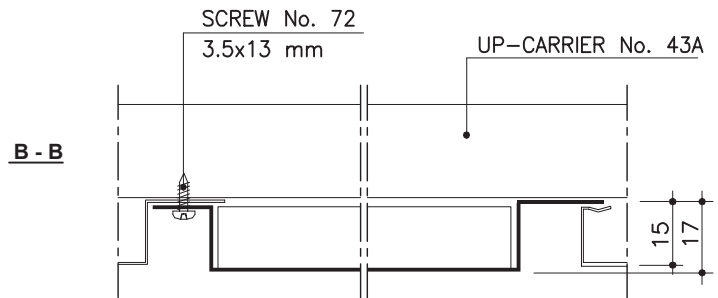
UP-200 PANELS / CLASSIFICATION "C"

Material	0.7 Al 0.5 Steel
Width	200 mm
Height	15 mm
Length	max 6500 mm
Perforation	Ø 2.0/15%, other alternatives see group 6 "Perforations"
Inlay	mineral wool in plastic or acoustic felt
Finish	stove enamelled (or anodized) any well-known colour chart
Ventilation	alt I Ø 3.5 mm, c/c 6.25 mm = 46 cm ² /m alt II Ø 5x7 mm, c/c 13 mm = 23 cm ² /m Other alternatives see group 6 "Lautex ventilation perforations"
Protective film	the surface is provided with a protective film if required
End bendings	according to order
Service hatch	see overleaf
Loudspeaker panel	see overleaf
Downlight unit	see overleaf
Connecting splice	No. 181T, see page 28
Suspension	see "Suspension systems for panels" page 27
Edge lists	see group 6 "Lautex lists" and page 28 "Lautex marine panels typical details"
Other solutions	please contact our technical information department

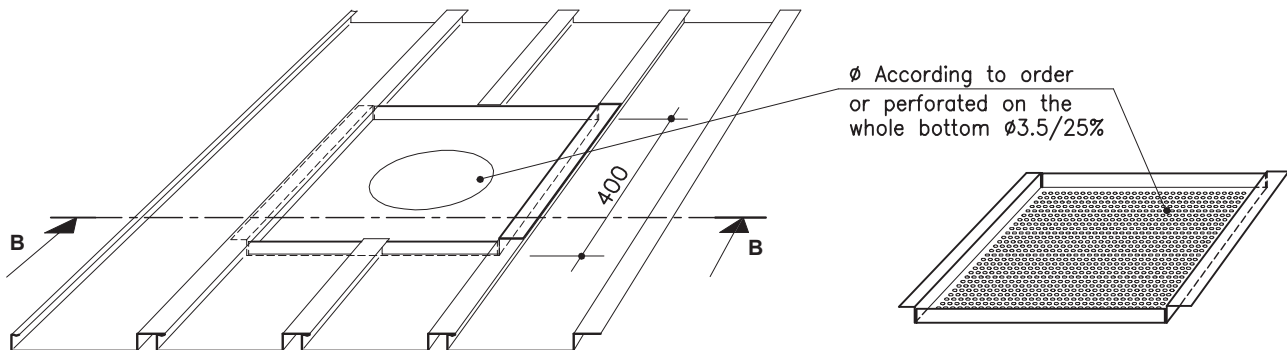
Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX UP-200 / 15 INSTALLATION ACCESSORIES

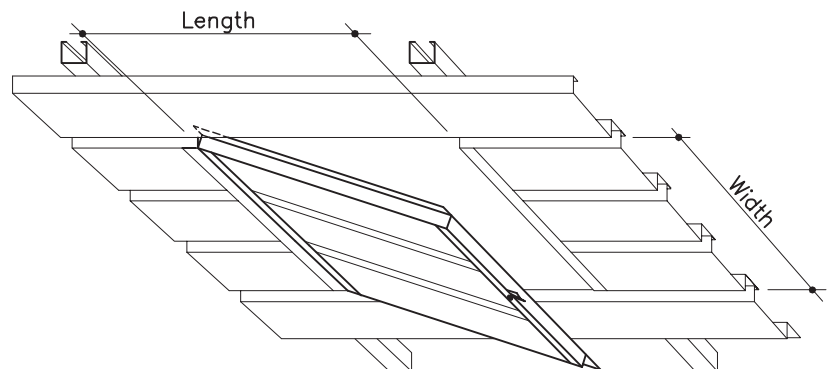


LOUDSPEAKER OR DOWNLIGHT PANEL



STANDARD SERVICE HATCHES

LENGTH x WIDTH (opening in the ceiling)
400 x 400
600 x 600



SOLUTION OF PANEL EXTENSION AND PANEL CONNECTION TO WALL PLEASE SEE PAGE 28

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 43A	1.2 – 1.6 m/m ²
Carrier lock	1 pcs/carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51A	0.8 – 1.4 m/m ²

WEIGHT OF PANELS KG / M²

	UP-200/15	
Material	0.7 Al	0.5 Steel
Weight	2.27	4.80

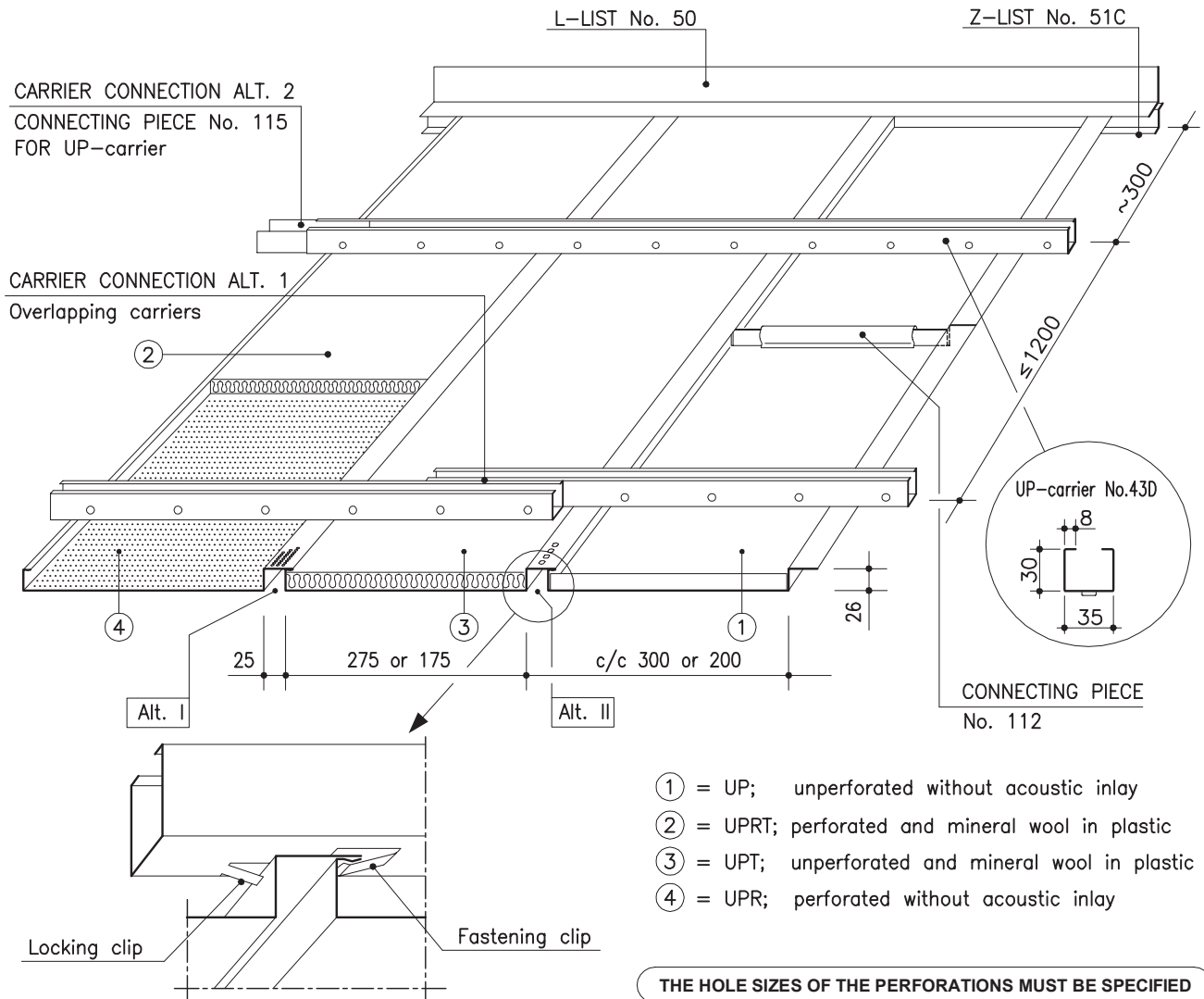
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 43A	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Z-list No. 51A (1.0 Al)	0.14 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX UP-300 AND -200 / 25



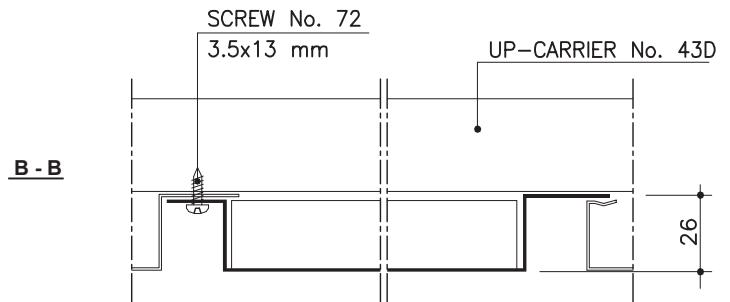
UP-300 PANELS / CLASSIFICATION "C"

Material	0.7 Al 0.6 Steel
Width	300 mm or 200 mm
Height	26 mm
Length	max 4000 mm
Perforation	Ø 3.5/25 %, other alternatives see group 6 "Perforations"
Inlay	mineral wool in plastic
Finish	stove enamelled (or anodized) according to any well-known colour chart
Ventilation	alt I Ø 3.5 mm, c/c 6.25 mm = 46 cm ² /m alt II Ø 5x7 mm, c/c 13 mm = 23 cm ² /m Other alternatives see group 6 "Lautex ventilation perforations"
Protective film	the surface is provided with a protective film if required
End bendings	standard for straight cut ends
Service hatch	see overleaf
Loudspeaker panel	see overleaf
Downlight unit	see overleaf
Connecting splice	UP-200/25 No.181U, UP-300 No.181V see page 28 or No. 112 see above
Suspension	see "Suspension systems for panels" page 27
Edge lists	see group 6 "Lautex lists" and page 28 "Lautex marine panels typical details"
Other solutions	please contact our technical information department

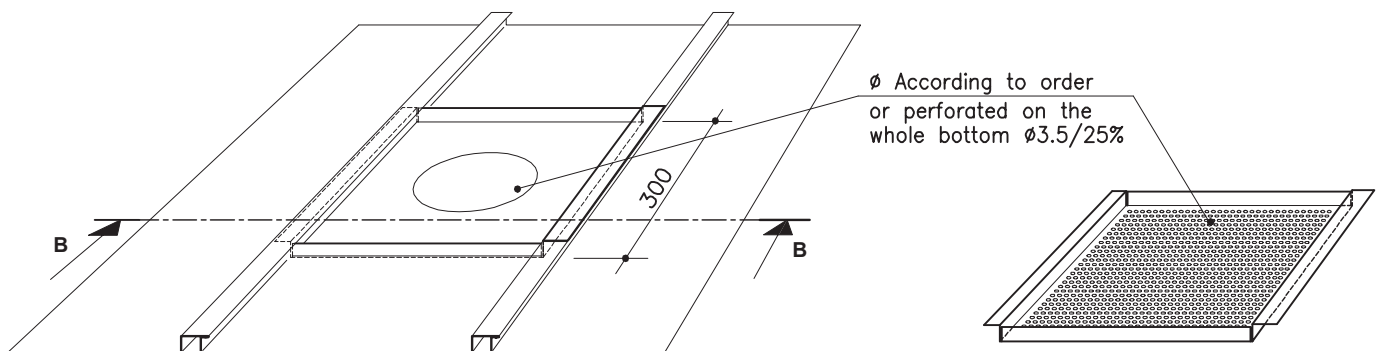
Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX UP-300 AND -200 / 25 INSTALLATION ACCESSORIES

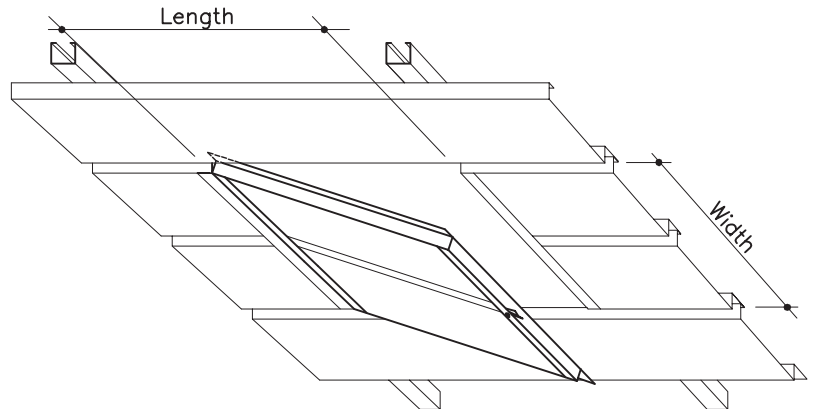


LOUDSPEAKER OR DOWNLIGHT PANEL



STANDARD SERVICE HATCHES

LENGTH x WIDTH (opening in the ceiling)
300 x 300
400 x 400
600 x 600



SOLUTIONS OF PANEL EXTENSION AND PANEL CONNECTION TO WALL PLEASE SEE PAGE 28

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 43D	1.2 – 1.6 m/m ²
Carrier lock	1 pcs/carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51C	0.8 – 1.4 m/m ²
U-insert list No. 53C+	0.8 – 1.4 m/m ²

WEIGHT OF PANELS KG / M²

	UP-300		UP-200/25	
Material	0.7 Al	0.6 Steel	0.7 Al	0.6 Steel
Weight	2.33	5.92	2.55	6.48

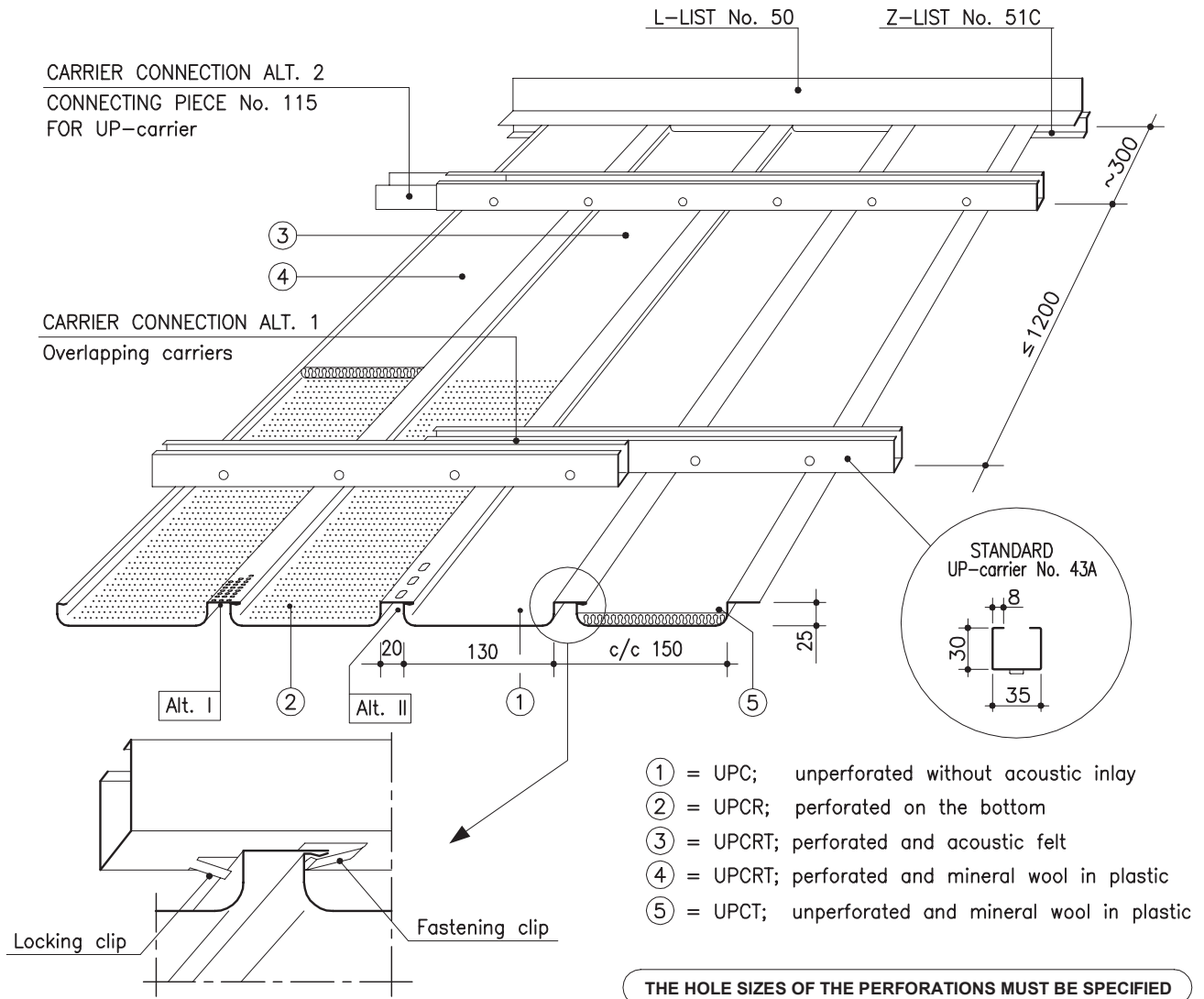
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 43D	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Z-list No. 51C (1.0 Al)	0.16 kg/m
U-insert list No. 53C+ (0.7 Al)	0.12 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX UPC-150



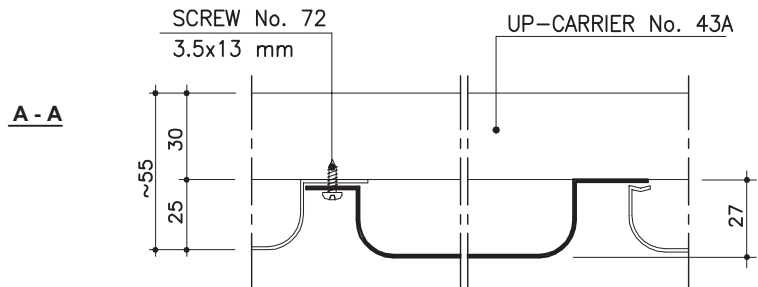
UPC-150 PANELS / CLASSIFICATION "C"

Material	0.7 Al
Width	150 mm
Height	25 mm
Length	max 6500 mm
Perforation	Ø 2.0/15 % or Ø 3.5/25 % mm, other alternatives see group 6 "Perforations"
Inlay	mineral wool in plastic or acoustic felt
Finish	stove enamelled (or anodized) according to any well-known colour chart
Ventilation	alt I Ø 3.5 mm, c/c 6.25 mm = 46 cm ² /m alt II Ø 5x7 mm, c/c 13 mm = 23 cm ² /m Other alternatives see group 6 "Lautex ventilation perforations"
Protective film	the surface is provided with a protective film if required
End bendings	no end bendings
Service hatch	see overleaf
Loudspeaker panel	see overleaf
Downlight unit	see overleaf
Connecting splice	No. 181X, see page 28
Suspension	see "Suspension systems for panels" page 27
Edge lists	see group 6 "Lautex lists" and page 28 "Lautex marine panels typical details"
Other solutions	please contact our technical information department

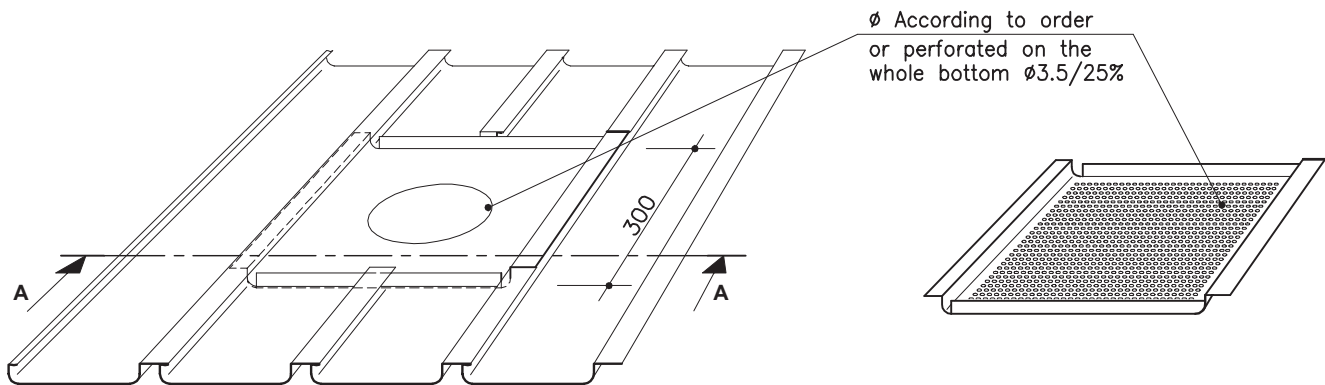
Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX UPC-150 INSTALLATION ACCESSORIES

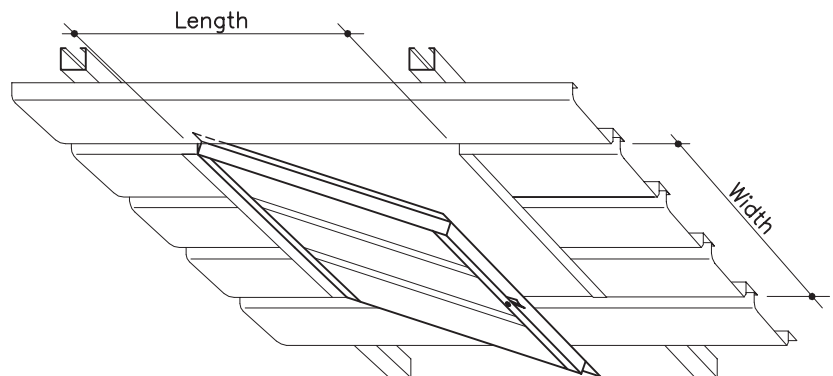


LOUDSPEAKER OR DOWNLIGHT PANEL



STANDARD SERVICE HATCHES

LENGTH x WIDTH (opening in the ceiling)
300 x 300
600 x 600



SOLUTIONS OF PANEL EXTENSION AND PANEL CONNECTION TO WALL PLEASE SEE PAGE 28

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 43A	1.2 – 1.6 m/m ²
Carrier lock	1 pcs/carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51C	0.8 – 1.4 m/m ²
U-insert list No. 53 C	0.8 – 1.4 m/m ²

WEIGHT OF PANELS KG / M²

	UPC-150
Material	0.7 Al
Weight	2.58

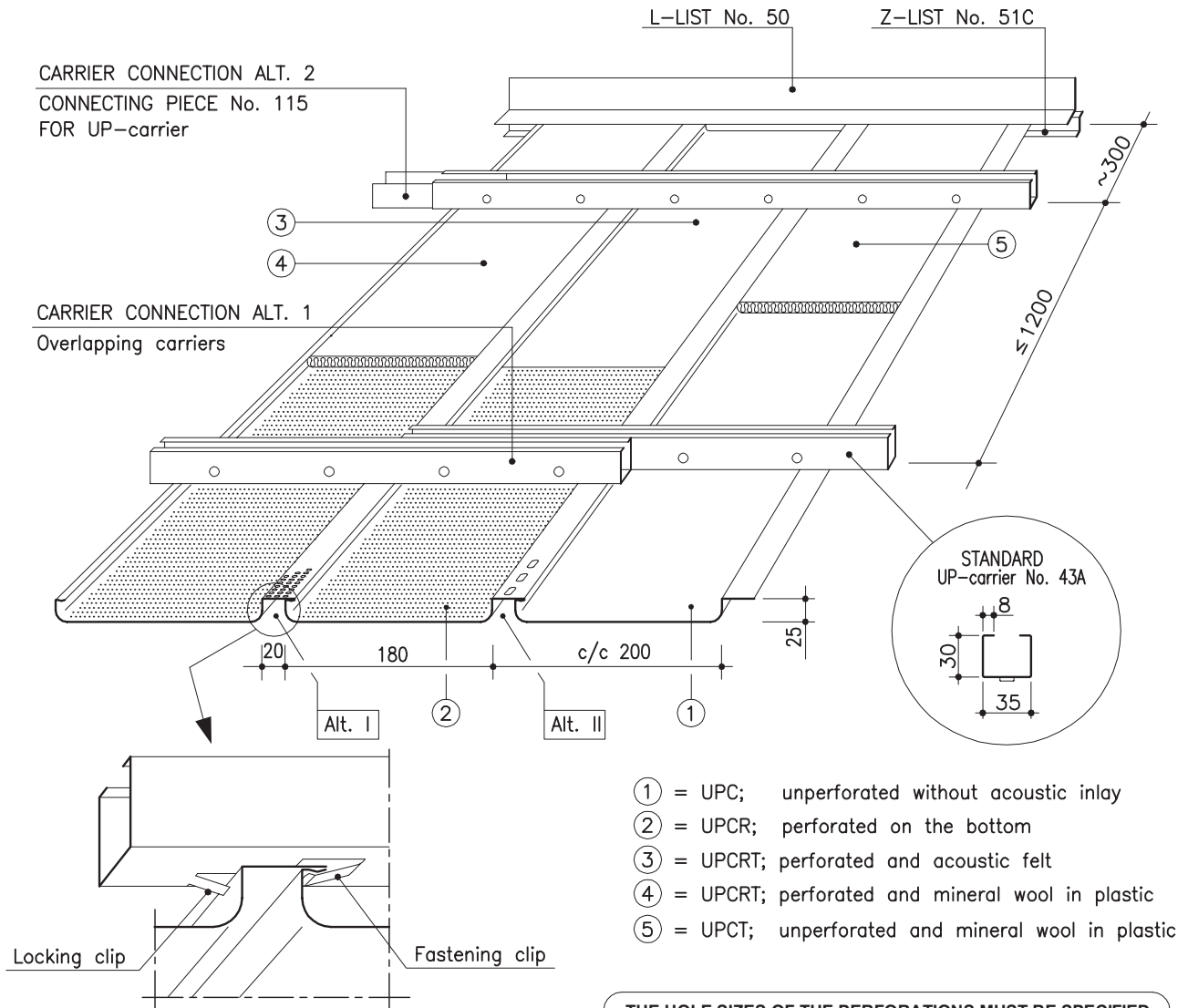
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 43A	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Z-list No. 51C (1.0 Al)	0.16 kg/m
U-insert list No. 53C (0.7 Al)	0.12 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX UPC-200



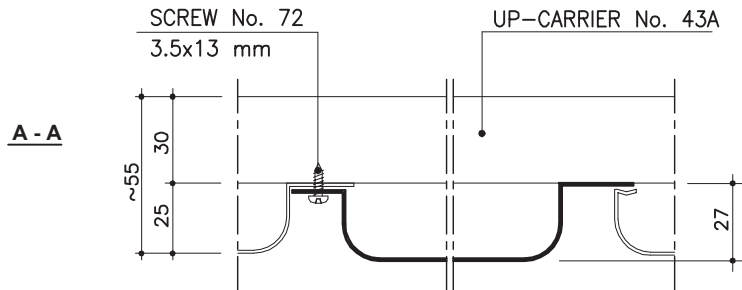
UPC-200 PANELS / CLASSIFICATION "C"

Material	0.7 Al
Width	200 mm
Height	25 mm
Length	max 4000 mm
Perforation	ø 2.0/15 % or ø 3.5/25 % other alternatives see group 6 "Perforations"
Inlay	mineral wool in plastic or acoustic felt
Finish	stove enamelled (or anodized) according to any well-known colour chart
Ventilation	alt I ø 3.5 mm, c/c 6.25 mm = 46 cm ² /m alt II ø 5x7 mm, c/c 13 mm = 23 cm ² /m Other alternatives see group 6 "Lautex ventilation perforations"
Protective film	the surface is provided with a protective film if required
Service hatch	see overleaf
Loudspeaker panel	see overleaf
Downlight unit	see overleaf
Connecting splice	No. 181Y, see page 28
Suspension	see "Suspension systems for panels" page 27
Edge lists	see group 6 "Lautex lists" and page 28 "Lautex marine panels typical details"
Other solutions	please contact our technical information department

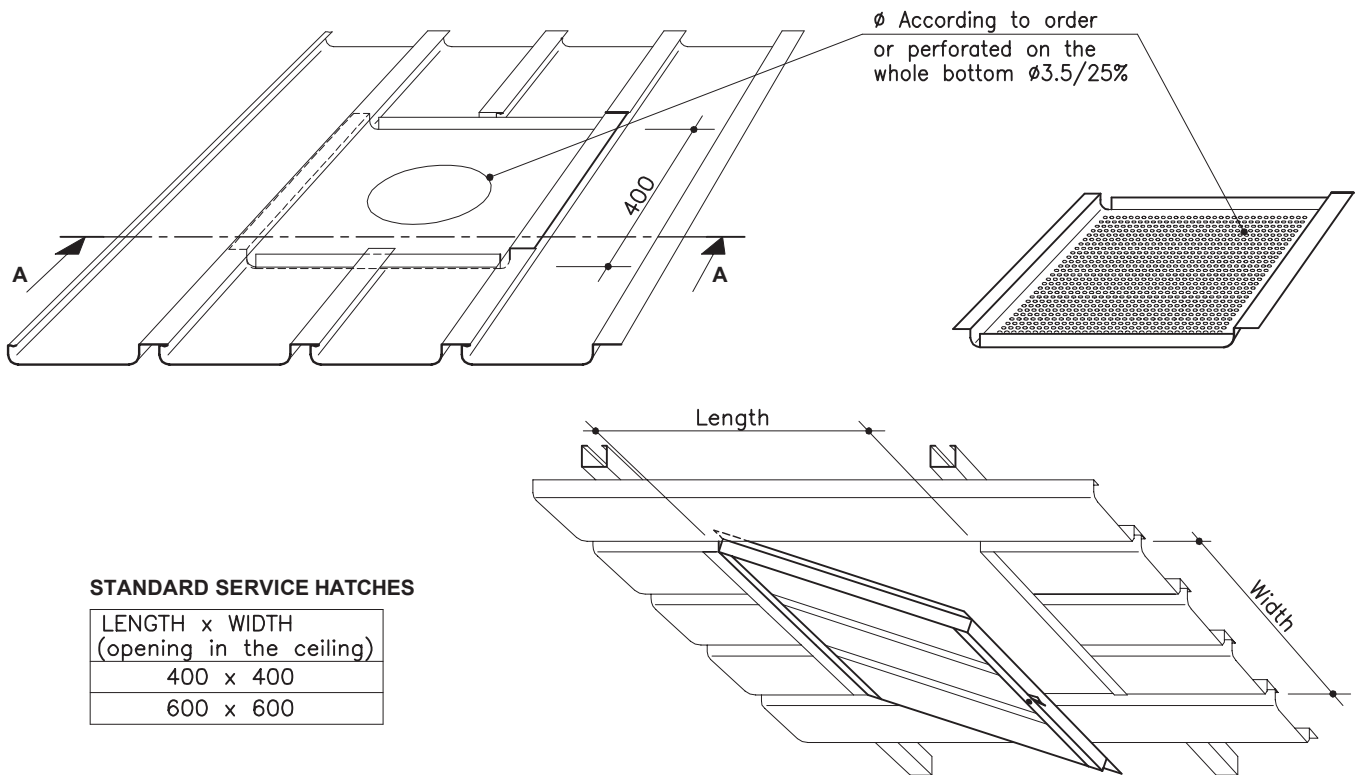
Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX UPC-200 INSTALLATION ACCESSORIES



LOUDSPEAKER OR DOWNLIGHT PANEL



STANDARD SERVICE HATCHES

LENGTH x WIDTH (opening in the ceiling)
400 x 400
600 x 600

SOLUTIONS OF PANEL EXTENSION AND PANEL CONNECTION TO WALL PLEASE SEE PAGE 28

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 43A	1.2 – 1.6 m/m ²
Carrier lock	1 pcs/carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51C	0.8 – 1.4 m/m ²
U-insert list No. 53 C	0.8 – 1.4 m/m ²

WEIGHT OF PANELS KG / M²

	UPC-200
Material	0.7 Al
Weight	2.41

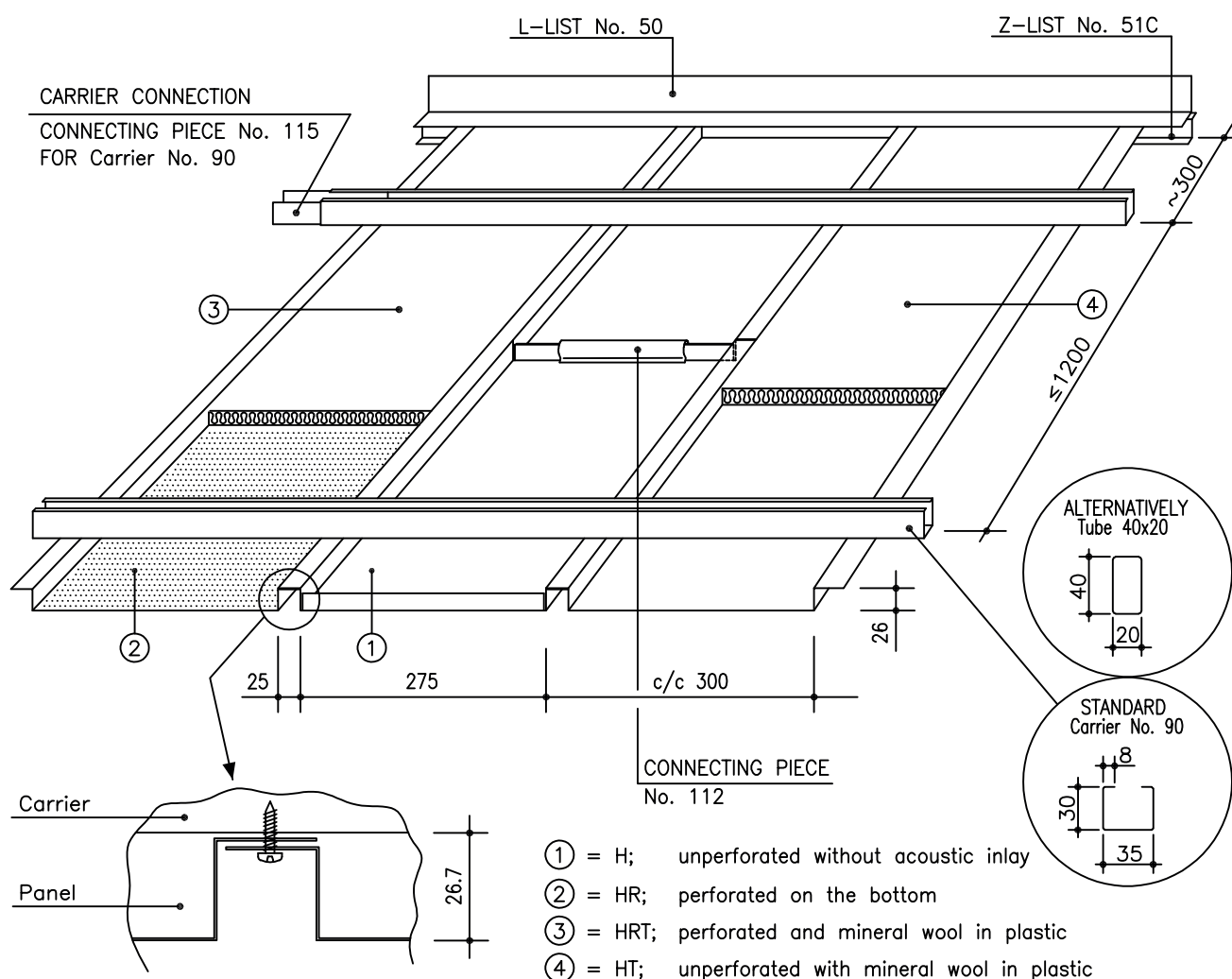
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 43A	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Z-list No. 51C (1.0 Al)	0.16 kg/m
U-insert list No. 53C (0.7 Al)	0.12 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX H-300



H-300 PANELS / CLASSIFICATION "C"

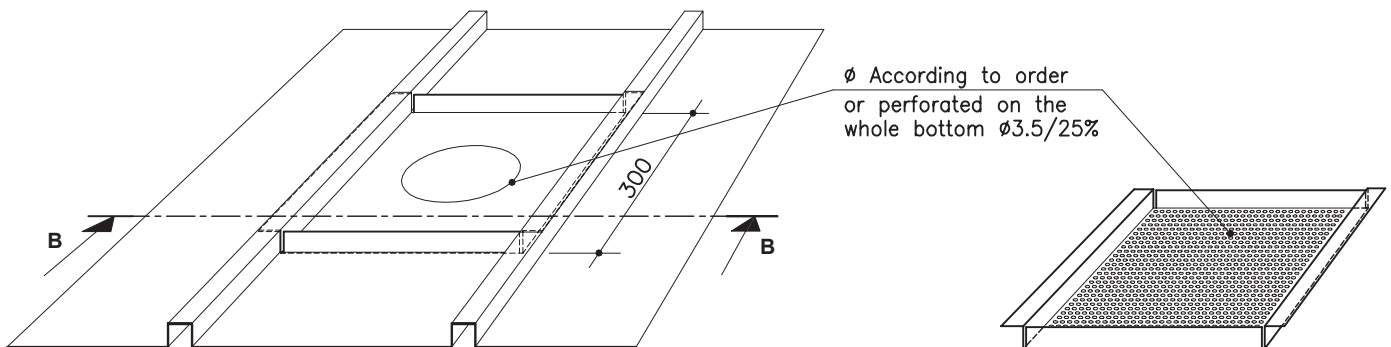
Material	0.7 Al, 0.6 Steel
Width	300 mm
Height	26 mm
Length	max 6500 mm
Perforation	Ø 3.5/25 % other alternatives see group 6 "perforations"
Inlay	mineral wool in plastic
Finish	stove enamelled (or anodized) according to any well-known colour chart
Protective film	the surface is provided with a protective film if required
End bendings	standard for straight cut ends
Special shapes	Width according to order but max 475 mm Conical panels with max width 600 mm
Service hatch	see overleaf
Loudspeaker panel	see overleaf
Downlight unit	see overleaf
Connecting piece	No. 112, see above and page 28
Suspension	see "Suspension systems for panels" page 27
Edge lists	see group 6 "Lautex lists" and page 28 "Lautex marine panels typical details"
Other solutions	please contact our technical information department

Latest information: www.lautex.com

All products are subject to modifications without prior notice

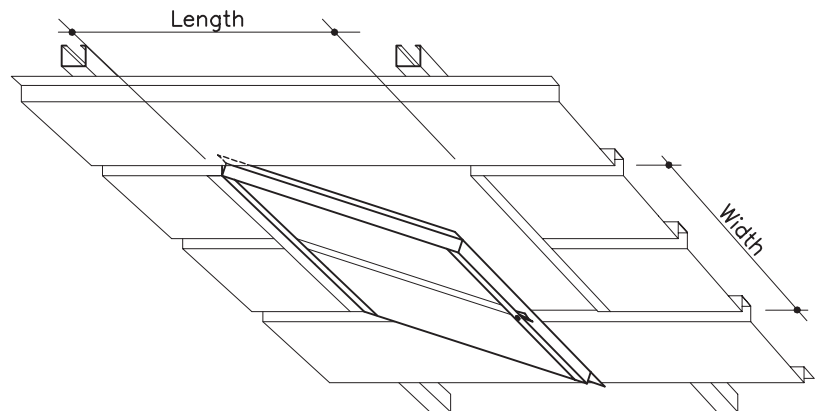
MARINE PANEL LAUTEX H-300 INSTALLATION ACCESSORIES

LOUDSPEAKER OR DOWNLIGHT PANEL



STANDARD SERVICE HATCHES

LENGTH x WIDTH (opening in the ceiling)
300 x 300
600 x 600



SOLUTIONS OF PANEL EXTENSION AND PANEL CONNECTION TO WALL PLEASE SEE PAGE 28

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 90	1.2 – 1.6 m/m ²
Tube No. 56	1.2 – 1.6 m/m ²
Carrier lock	1 pcs/carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51C	0.8 – 1.4 m/m ²
U-insert list No. 53C+	0.8 – 1.4 m/m ²

WEIGHT OF PANELS KG / M²

	H-300	
Material	0.7 Al	0.6 Steel
Weight	2.33	5.92

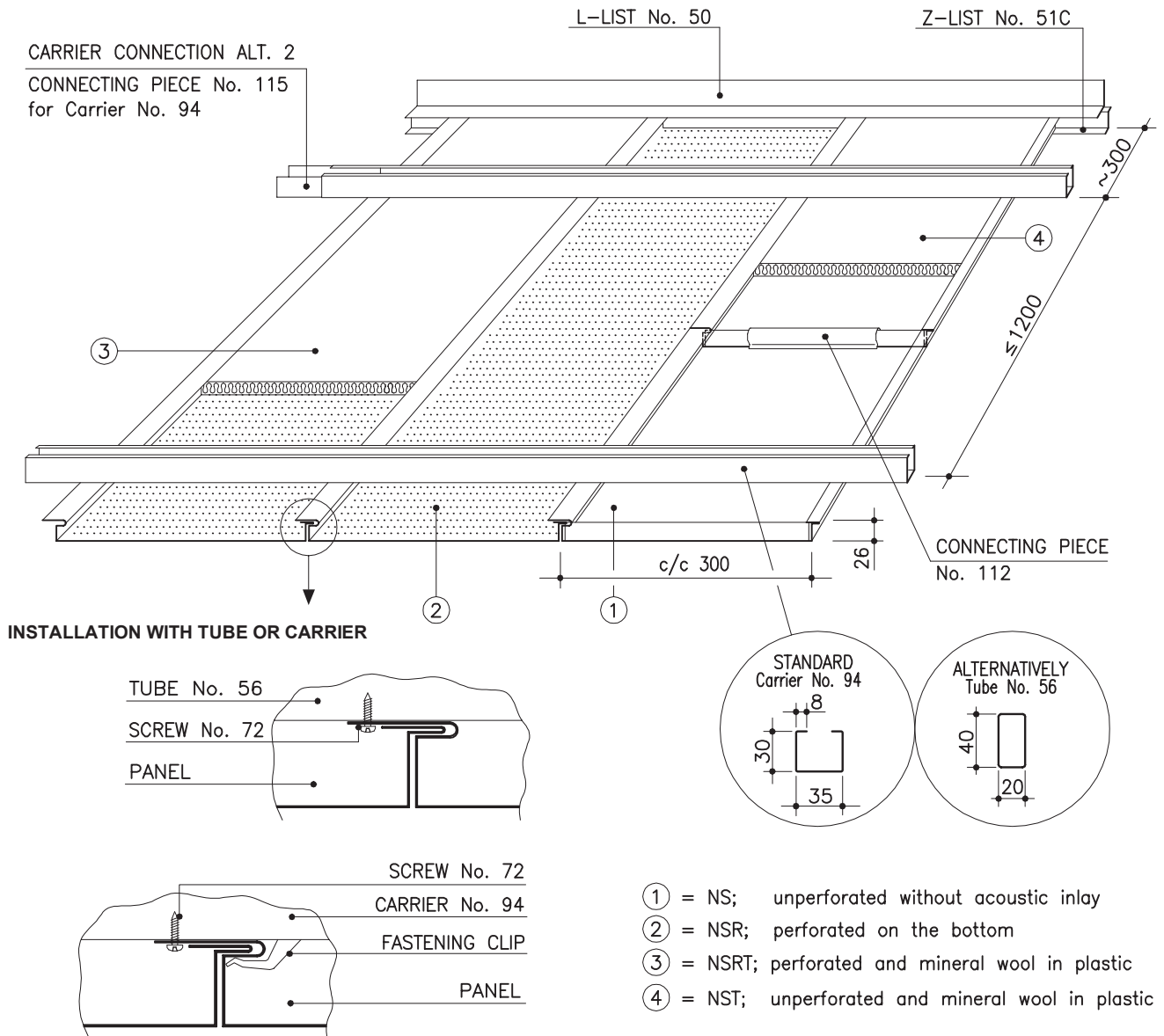
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 90	0.83 kg/m
Support tube 40x20	1.37 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 Steel)	0.62 kg/m
Z-list No. 51C (1.0 Al)	0.16 kg/m
U-insert list No. 53C+ (0.7 Al)	0.12 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX NS-300



NS-300 PANELS / CLASSIFICATION "C"

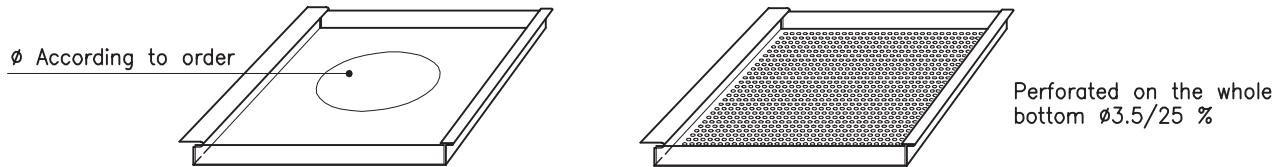
Material	0.6 Steel	0.7 Al
Width	300 mm	
Height	26 mm	
Length	max 4000 mm	
Perforation	please contact our technical information department	
Inlay	mineral wool in plastic	
Finish	stove enamelled (or anodized) according to any well-known colour chart	
Protective film	the surface is provided with a protective film if required	
End bendings	standard for straight cut ends	
Service hatch	see overleaf	
Loudspeaker panel	see overleaf	
Downlight unit	see overleaf	
Connecting piece	No.112, see above and page 28	
Suspension	see "Suspension systems for panels" page 27	
Edge lists	see group 6 "Lautex lists" and page 28 "Lautex marinen panels typical details"	
Other solutions	please contact our technical information department	

Latest information: www.lautex.com

All products are subject to modifications without prior notice

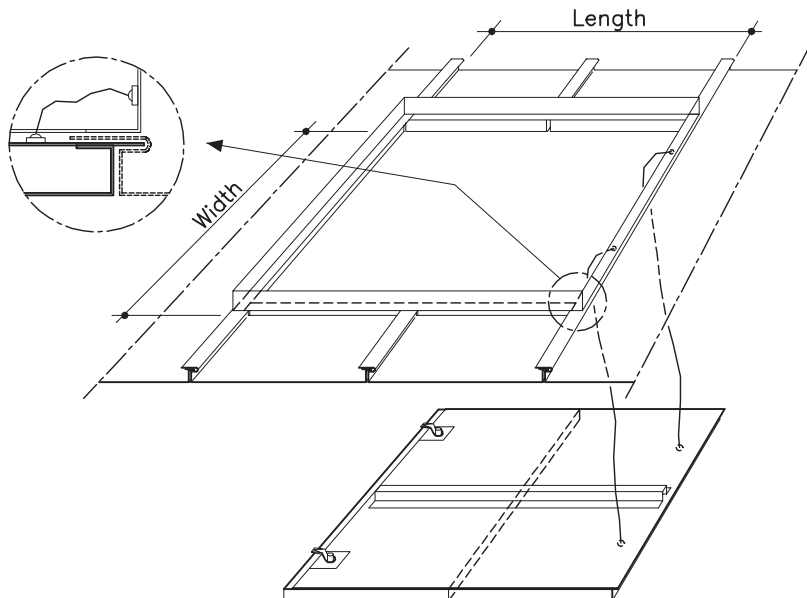
MARINE PANEL LAUTEX NS-300 INSTALLATION ACCESSORIES

LOUDSPEAKER OR DOWNLIGHT PANEL



STANDARD SERVICE HATCHES

LENGTH x WIDTH (opening in the ceiling)
600 x 600



SOLUTIONS OF PANEL EXTENSION AND PANEL CONNECTION TO WALL PLEASE SEE PAGE 28

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 94	1.2 – 1.6 m/m ²
Tube No. 56	1.2 – 1.6 m/m ²
Carrier lock	1 pcs/carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51C	0.8 – 1.4 m/m ²
U-insert list No. 53C+	0.8 – 1.4 m/m ²

WEIGHT OF PANELS KG / M²

	NS-300	
Material	0.7 Al	0.6 Steel
Weight	2.61	6.64

WEIGHT OF OTHER CEILING MATERIALS

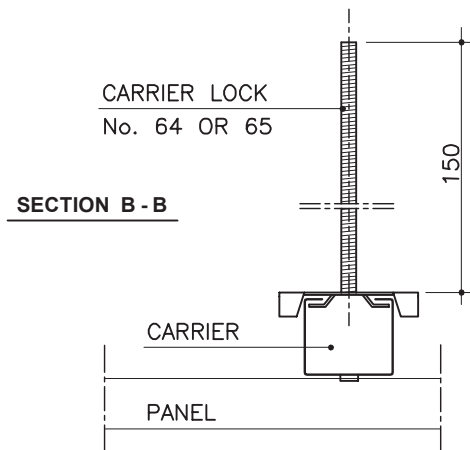
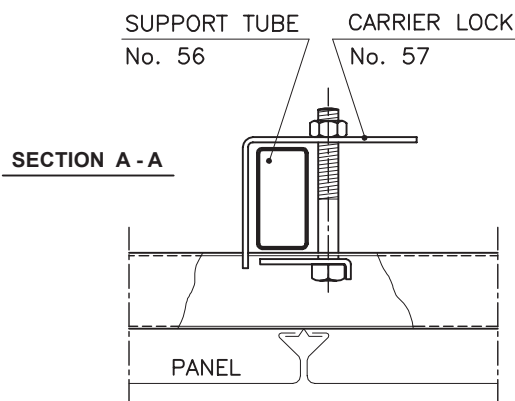
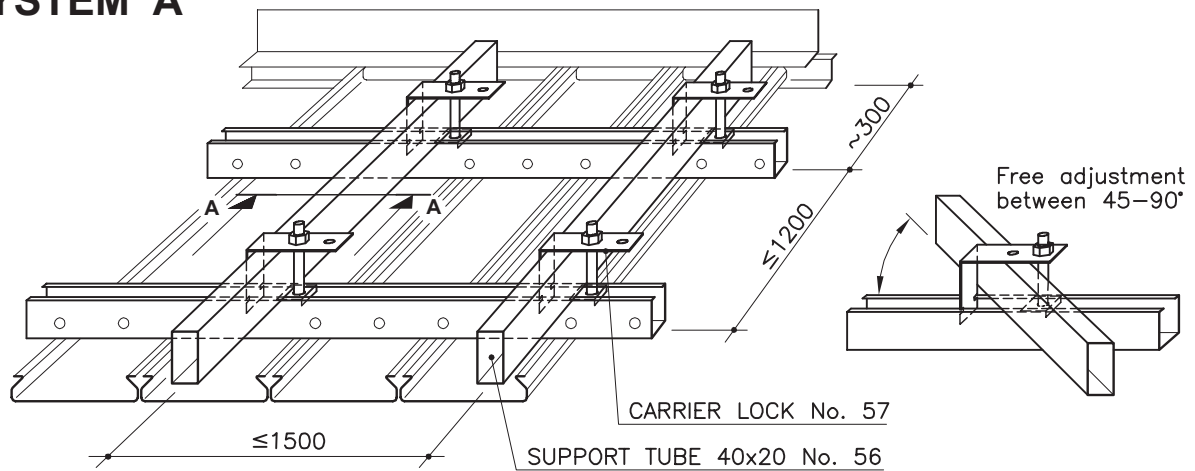
Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 94	0.83 kg/m
Support tube 40x20	1.37 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Z-list No. 51C (1.0 Al)	0.16 kg/m
U-insert list No. 53C+ (0.7 Al)	0.12 kg/m

Latest information: www.lautex.com

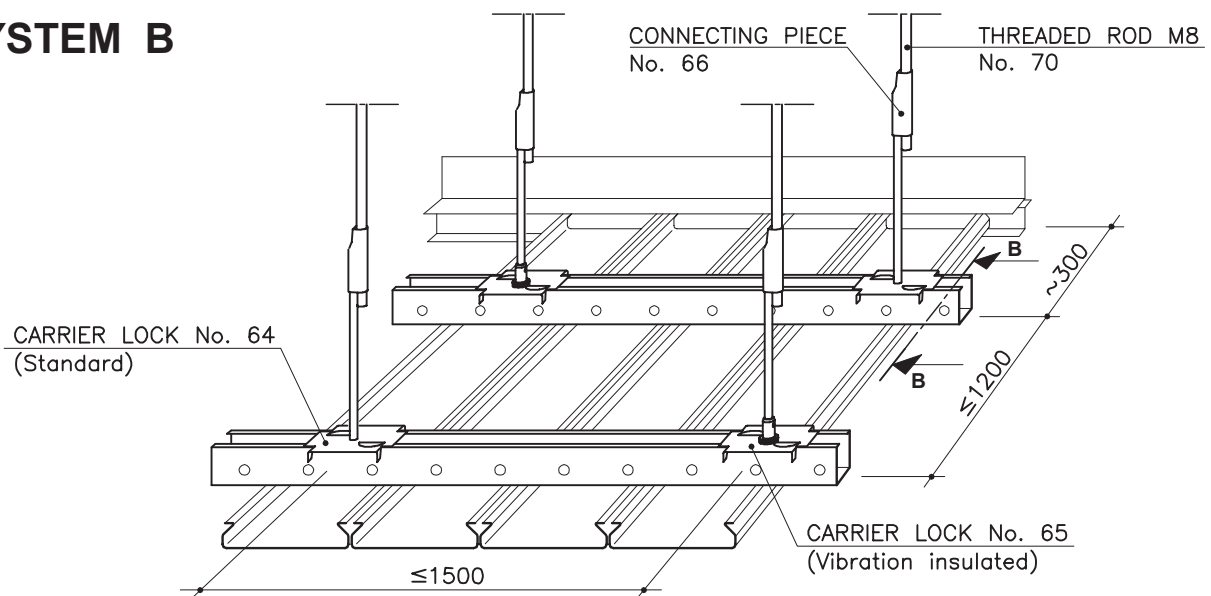
All products are subject to modifications without prior notice

LAUTEX SUSPENSION SYSTEMS FOR PANELS

SYSTEM A



SYSTEM B

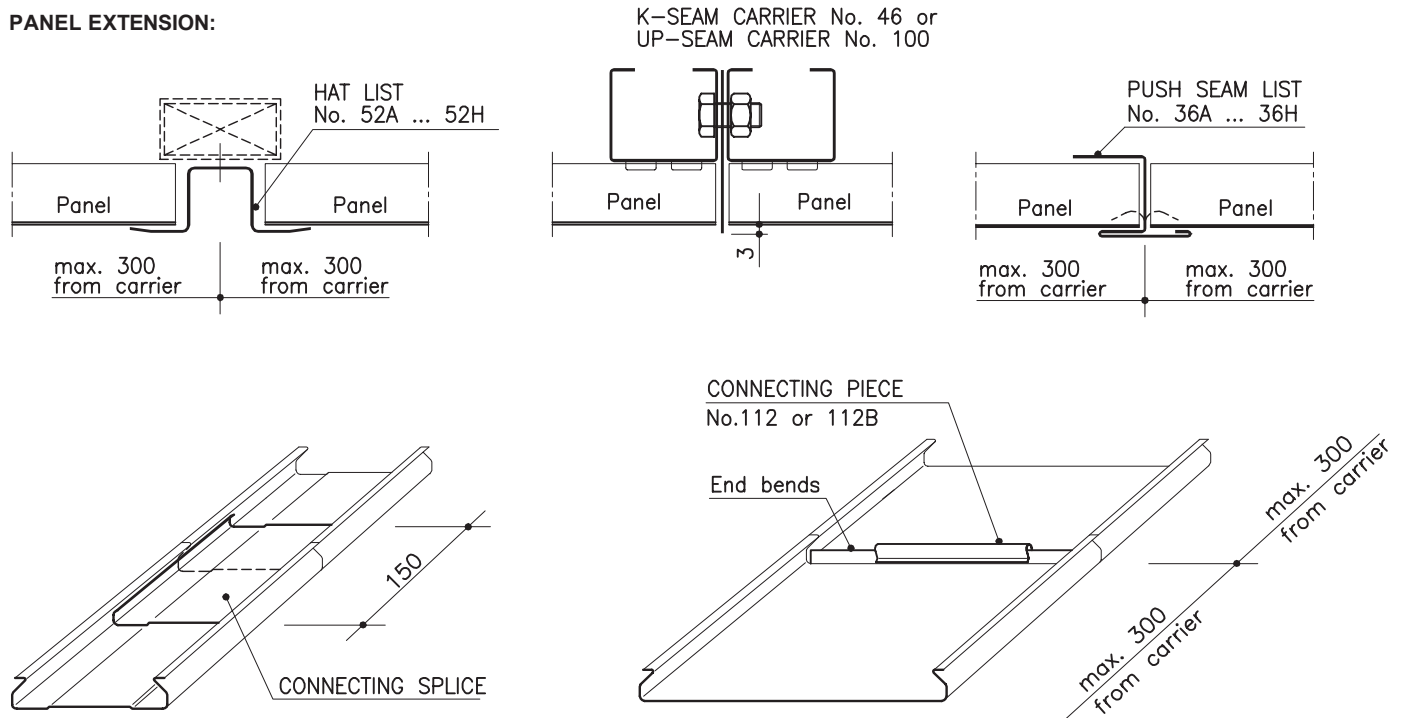


Latest information: www.lautex.com

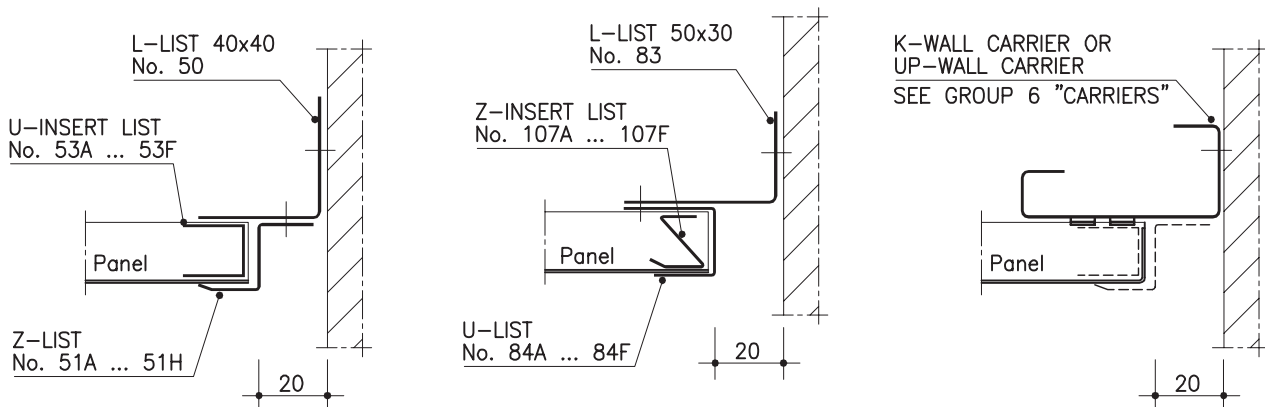
All products are subject to modifications without prior notice

LAUTEX MARINE PANELS, TYPICAL DETAILS

PANEL EXTENSION:



PANEL CONNECTION TO WALL:



Latest information: www.lautex.com

All products are subject to modifications without prior notice

Lautex Säleet/Profiles

Sälekatossa säleiden muoto, leveys ja jako ovat valittavissa. Säleiden vakioleveydet ovat 25 – 300 mm, vakiokorkeudet 15 – 57 mm ja minimiväli säleiden välillä on 10 mm.

Muotoillut säleet elävöittävät kattoa. Säleiden muotovalikoima on runsas.

Huoltotöitä varten sälekatto on helppo avata. Säleet ovat helposti puhdistettavissa kiinteistön muun huollon yhteydessä.

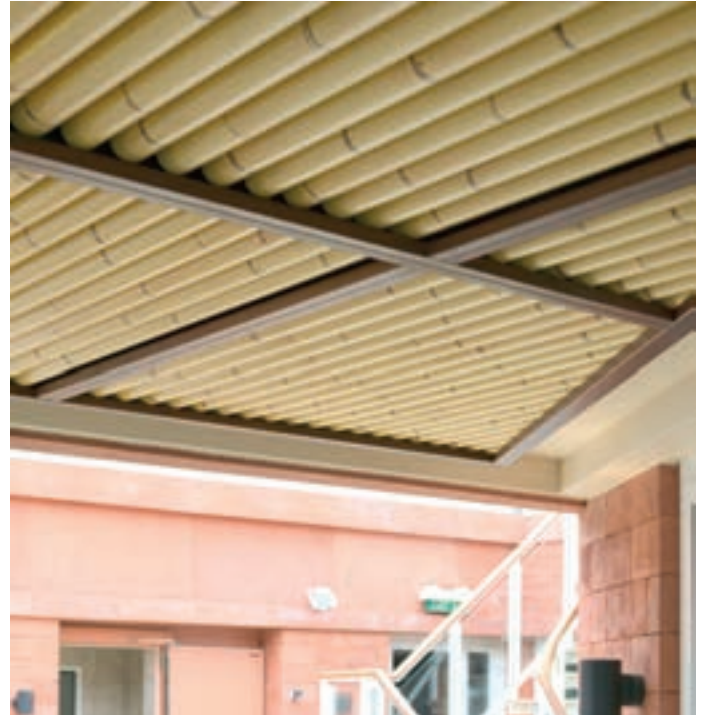
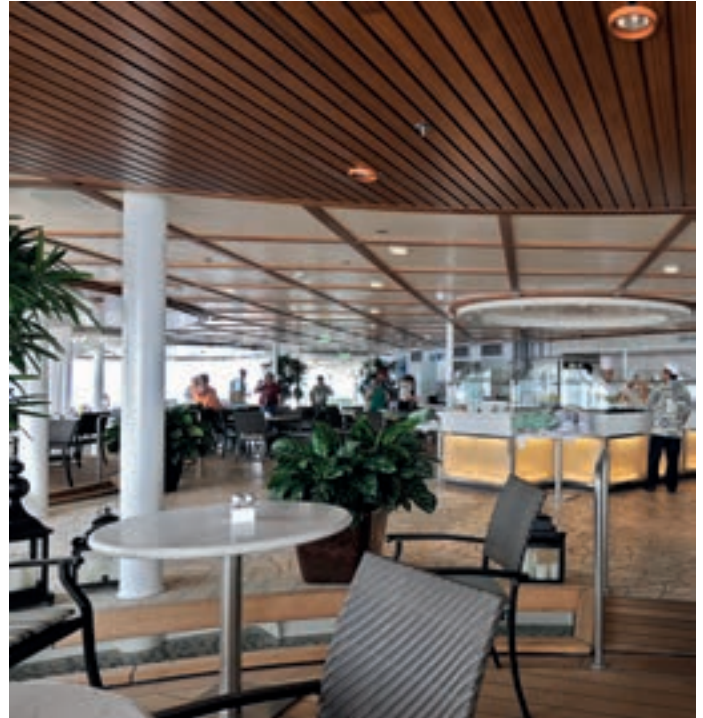
Lautex Profiles

Lautex profile ceilings provide wide variety of widths, shapes and air gaps. Standard profile widths are 25–300 mm and profile heights 15–57 mm.

There is a wide variety of shapes for Lautex profiles. The profiles can be painted or coated with many different colour shades or materials. Shaped profiles make ceilings livelier.

Profile ceilings are easy to open up for service and easy to clean in conjunction with other property maintenance operations.





Yläkuva/picture above:
Lautex PR-A säle / PR-A profile (desing Alvar Aalto)
Finlandia-talo / Finlandia hall

Alakuva/picture under:
Lautex PR-U säle / PR-U profile
Metroasema Helsinki / Subway station Helsinki

Yläkuva/picture above:
Lautex PR-U säle / PR-U säle
Loistoristeilijä Oasis of the Seas / Luxury Cruiser Oasia of the Seas

Alakuva/picture under:
Lautex PR-P säle / PR-P säle
Risteilijä Norwegian Juwel/ Cruiser Norwegian Juwel



Yläkuva/picture above:
Lautex PR-P säle / PR-P profile
Käytävä / Corridor

Alakuva/picture under:
Lautex PR-P säle + palkit / PR-P profile + beams
Risteilijä Romantica/ Cruiser Romantica

Yläkuva/picture above:
Lautex PR-U sälemoduuli / PR-U profile module
Loistoristeilijä Oasis of the Seas / Luxury Cruiser Oasis of the Seas
Alakuva/picture under:
Lautex PR-U säle / PR-U säle
Toimistotalo Saarioinen / Office building Saarioinen



Yläkuva/picture above:
Lautex PR-U säle / PR-U profile
Voimalaitos / Power station

Alakuva/picture under:
Lautex PR-erikoissäle / PR special profile
Risteilijä Paradise / Cruiser Paradise

Yläkuva/picture above:
Lautex PR-W säle / PR-W profile
Risteilijä Fascination / Cruiser Fascination

Alakuva/picture under:
Lautex PR-UC säle / PR-UC profile
Risteilijä Costa Atlantica / Cruiser Costa Atlantica



Yläkuva/picture above:
Lautex PR-UD/PR-UC säle / PR-UD/PR-UC profile
Aula / Lobby
Alakuva/picture under:
Lautex PR-J säle / PR-J profile
Pasilan kirjasto / Pasila Library

Yläkuva/picture above:
Lautex Erikoissäle/ Lautex Special Profile
Risteilijä Costa Atlantica/ Cruiser Costa Atlantica
Alakuva/picture under:
Lautex Erikoissäle/ Lautex Special Profile
Risteilijä Carnival Spirit/ Cruiser Carnival Spirit

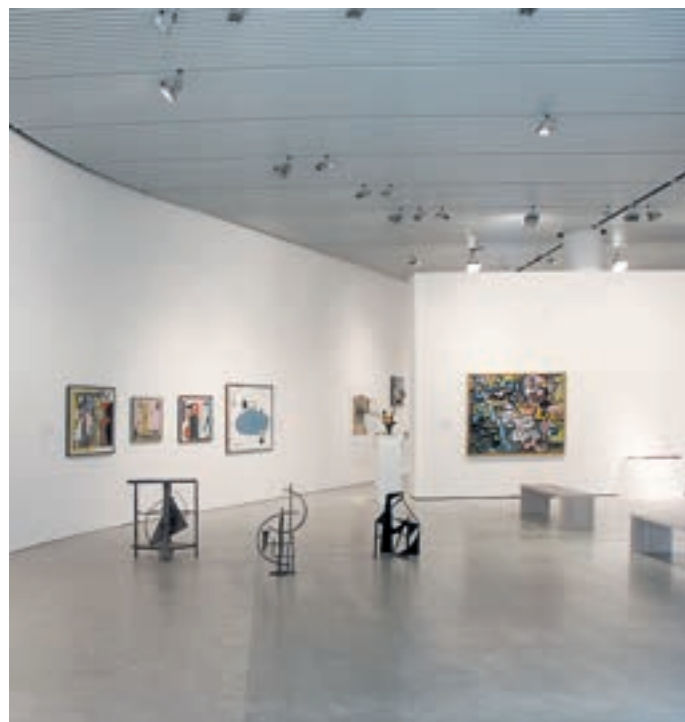


Yläkuva/picture above:
Lautex PR-U säle / Lautex PR-U profile
Ruokala / Canteen

Alakuva/picture under:
Lautex PR-D säle / Lautex PR-D profile
Aula / Lobby

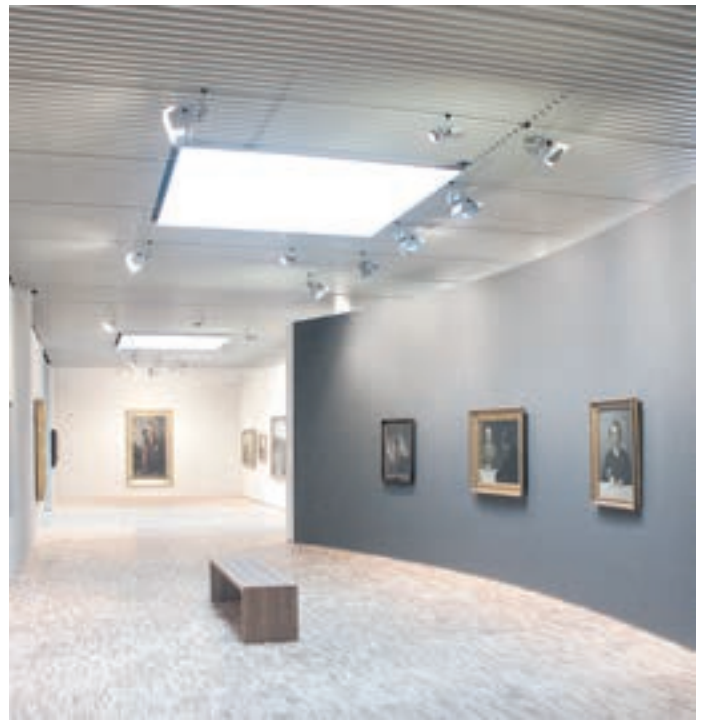
Yläkuva/picture above:
Lautex PR-U säle / PR-U säle
Toimistotalo Saarioinen / Office building Saarioinen

Alakuva/picture under:
Lautex PR-P säle / PR-P profile
Metso kirjasto / Metso library



Yläkuva/picture above:
Lautex PR-P säle / PR-P profile
Risteilijä Fascination / Cruiser Fascination
Alakuva/picture under:
Lautex Erikoissäle/ Special Profile
Risteilijä Costa Atlantica/ Cruiser Costa Atlantica

Yläkuva/picture above:
Lautex PR-P säle / PR-P profile
Autolautta Maersk Dunkerque / Ferry Maersk Dunkerque
Alakuva/picture under:
Lautex PR-U säle / PR-U profile
Taidemuseo Aros / Art Museum Aros



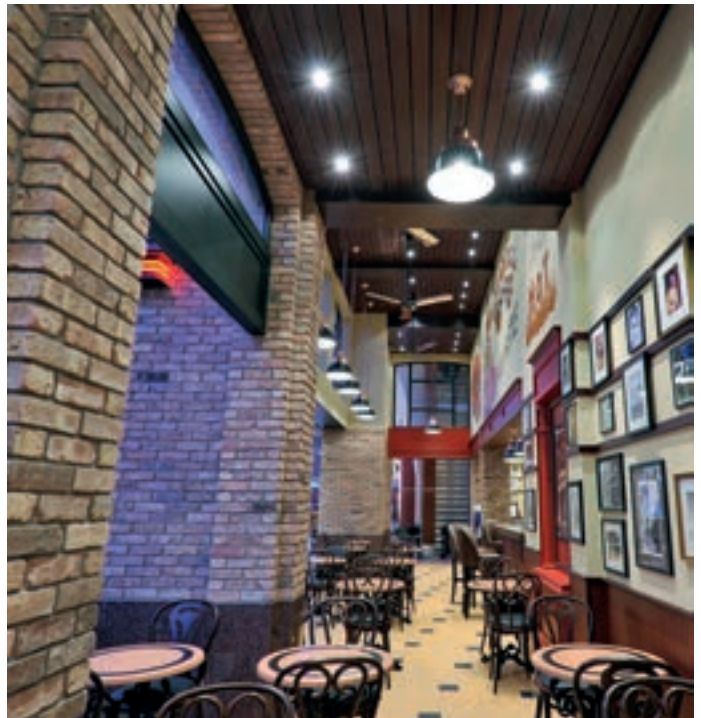
Yläkuva/picture above:
Lautex PR-U säle / PR-U profile
Naantalin kylpylä / Naantali Spa
Alakuva/picture under:
Lautex PR-P säle / PR-P profile
Autolautta Maersk Dunkerque / Ferry Maersk Dunkerque

Yläkuva/picture above:
Lautex PR-U säle / PR-U profile
Parkkihalli / Parking hall
Alakuva/picture under:
Lautex PR-U säle / PR-U profile
Taidemuseo Aros / Art Museum Aros



Yläkuva/picture above:
Lautex PR-UD/PR-UC säle / PR-UD/PR-UC säle
Aula / Lobby
Alakuva/picture under:
Lautex PR-U säle / PR-U profile
Autolautta Galaxy / Ferry Galax

Yläkuva/picture above:
Lautex PR-Usäle / PR-U säle
Loistoristeilijä Allure of the Seas / Luxury Cruiser Allure of the Seas
Alakuva/picture under:
Lautex PR-P säle / PR-P säle
Risteilijä Norwegian Juwel/ Cruiser Norwegian Juwel



Yläkuva/picture above:
Lautex PR-U säle / PR-U säle
Autolautta Star/ Ferry Star
Alakuva/picture under:
Lautex PR-W säle / PR-W säle
Hotelli Holiday Inn / Hotel Holiday Inn

Yläkuva/picture above:
Lautex PR-U säle / PR-U säle
Autolautta Star/ Ferry Star
Alakuva/picture under:
Lautex PR-U säle / PR-U säle
Loistoristeilijä Oasis of the Seas / Luxury Cruiser Oasia of the Seas



Yläkuva/picture above:
Lautex PR-P säle / PR-P profile
Autolautta Maersk Dunkerque / Ferry Maersk Dunkerque
Alakuva/picture under:
Lautex PR-U säle / PR-U profile
Autolautta Galaxy / Ferry Galax

Yläkuva/picture above:
Lautex PR-J säle / PR-J profile
Pasilan kirjasto / Pasila Library
Alakuva/picture under:
Lautex PR-UC säle / PR-UC profile
Risteilijä Costa Atlantica / Cruiser Costa Atlantica



Yläkuva/picture above:
Lautex PR-U säle / PR-U säle
Loistoristeilijä Oasis of the Seas /
Luxury Cruiser Oasia of the Seas



Yläkuva/picture above:
Lautex PR-P säle / PR-P profile
Autolautta Maersk Dunkerque / Ferry Maersk Dunkerque

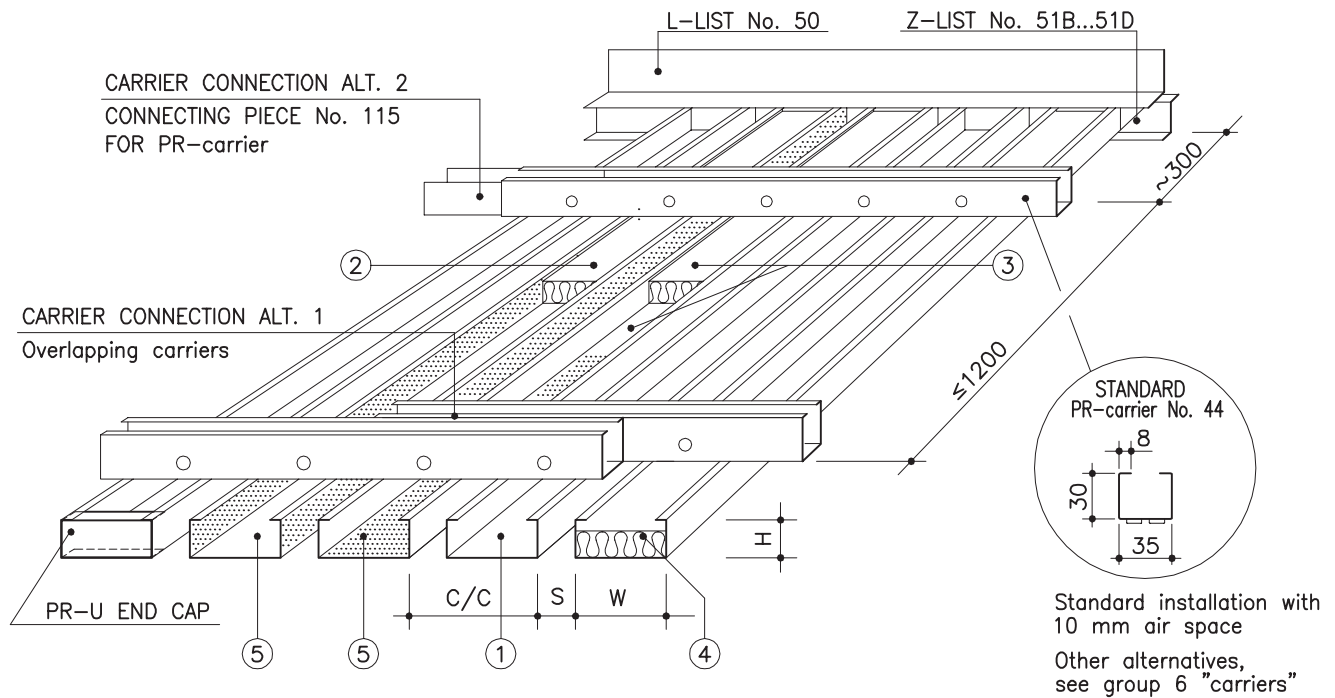
Etusivulla:
Yläkuva/picture above:
Lautex PR-D säle / PR-D profile
Risteilijä Carniva Pride / Cruiser Carnival Pride
Alakuva/picture under:
Lautex PR-P säle / PR-P profile
Autolautta Maersk Dunkerque / Ferry Maersk Dunkerque

Yhteystiedot /Contact

Oy Lautex Ab
Ojakkalantie 13, FIN-03101 Nummela
FINLAND
Telephone +358 (0)9 2248 810
E-mail: sales@lautex.com
www.lautex.com



MARINE PROFILE LAUTEX PR-U



Standard dimensions, see overleaf

- ① = PR-U; unperforated without acoustic inlay
② = PR-URT; perforated on the sides, with mineral wool in plastic
③ = PR-URT; perforated on the bottom, with acoustic felt or mineral wool in plastic

- ④ = PR-UT; unperforated with mineral wool in plastic
⑤ = PR-UR; perforated on the sides and/or on the bottom without acoustic inlay

THE HOLE SIZE AND THE PERFORATION AREA MUST BE SPECIFIED

Air spaces	recommended air space = 10 mm also according to order, but ≥ 10 mm
Perforation	profile width ≤ 100 mm; ϕ 1.1/21 %, > 100 mm ϕ 2.0/15 % other alternatives see group 6 "perforations"
Inlay	acoustic felt or mineral wool in plastic
Finish	stove enamelled (or anodized) according to any well-known colour chart
Protective film	the surface is provided with a protective film if required
End bendings	not standard
Service hatch	see overleaf
Loudspeaker profile	see overleaf
Downlight unit	see overleaf
Curved ceilings	see page 20 & 21 "Curved ceiling and diagonal installation"
Suspension	see page 19 "Suspension systems for profiles"
Edge lists	see group 6 "Lautex lists" and pages 22 & 23 "Lautex marine profiles typical details"
Diagonal installation	PR-carrier No. 39C...39X for diagonal installation in 45°, air space according to order but ≥ 10 mm, see page 20 "Curved ceiling and diagonal installation"
Other solutions	please contact our technical information department

Latest information: www.lautex.com

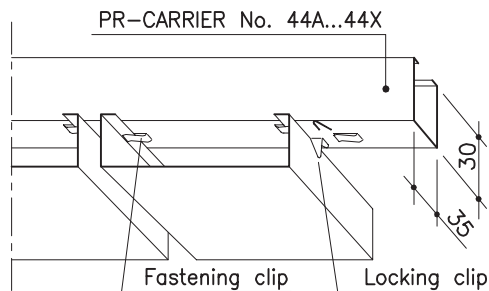
All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-U INSTALLATION ACCESSORIES

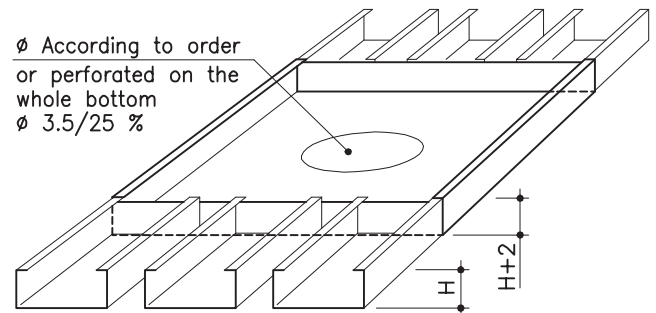
PR-U PROFILES / CLASSIFICATION "C"

Profile	height mm	width mm	length max. mm	material	Profile	height mm	width mm	length max. mm	material
45x20x45	45	20	6500	0.4 Al, 0.5 steel	15x85x15	15	85	6500	0.5 Al, 0.5 steel
42x25x42	42	25	6500	0.4 Al, 0.5 steel	25x80x25	25	80	6500	0.5 Al, 0.5 steel
25x30x25	25	30	6500	0.4 Al, 0.5 steel	20x100x20	20	100	6500	0.5 Al, 0.5 steel
30x30x30	30	30	6500	0.5 Al, 0.5 steel	20x120x20	20	120	6500	0.7 Al
40x30x40	40	30	6500	0.5 Al, 0.5 steel	25x130x25	25	130	6500	0.7 Al
50x30x50	50	30	6500	0.5 Al, 0.5 steel	27x135x27	27	135	6500	0.7 Al
25x40x25	25	40	6500	0.5 Al, 0.5 steel	25x140x25	25	140	6500	0.7 Al
35x40x35	35	40	6500	0.5 Al, 0.5 steel	25x145x25	25	145	6500	0.7 Al
20x50x20	20	50	6500	0.5 Al, 0.5 steel	20x150x20	20	150	6500	0.7 Al
25x50x25	25	50	6500	0.5 Al, 0.5 steel	25x150x25	25	150	6500	0.7 Al
30x50x30	30	50	6500	0.4 Al, 0.5 steel	25x180x25	25	180	6500	0.7 Al
45x50x45	45	50	6500	0.4 Al, 0.5 steel	25x190x25	25	190	6500	0.7 Al
25x60x25	25	60	6500	0.4 Al, 0.5 steel	25x280x25	25	280	4000	0.7 Al
20x70x20	20	70	6500	0.4 Al, 0.5 steel	25x290x25	25	290	4000	0.7 Al

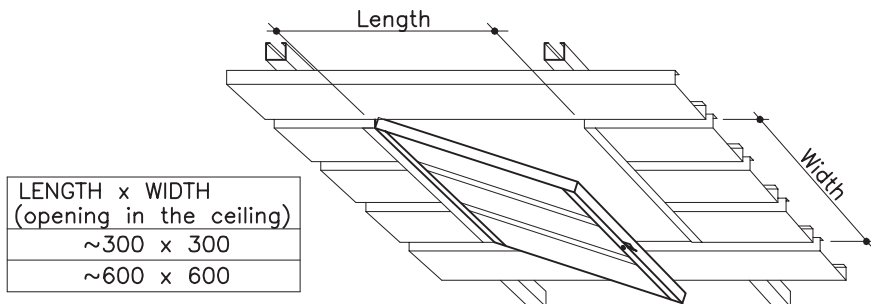
INSTALLATION WITH AIR SPACE 10 MM



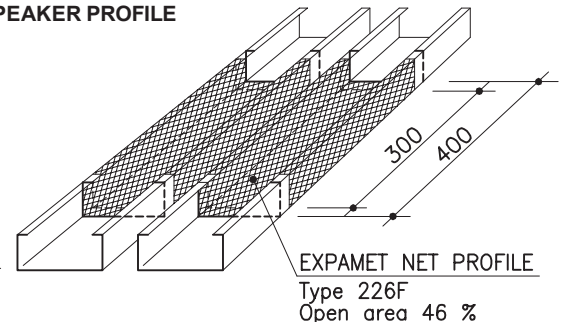
DOWNLIGHT OR LOUDSPEAKER PROFILE



STANDARD SERVICE HATCHES



LOUDSPEAKER PROFILE



SOLUTION OF PROFILE EXTENSION AND PROFILE CONNECTION TO WALL PLEASE SEE PAGES 22 & 23

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 44 or 39	1.2 – 1.6 m/m ²
Carrier lock	1 pcs/carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51B...D	0.8 – 1.4 m/m ²

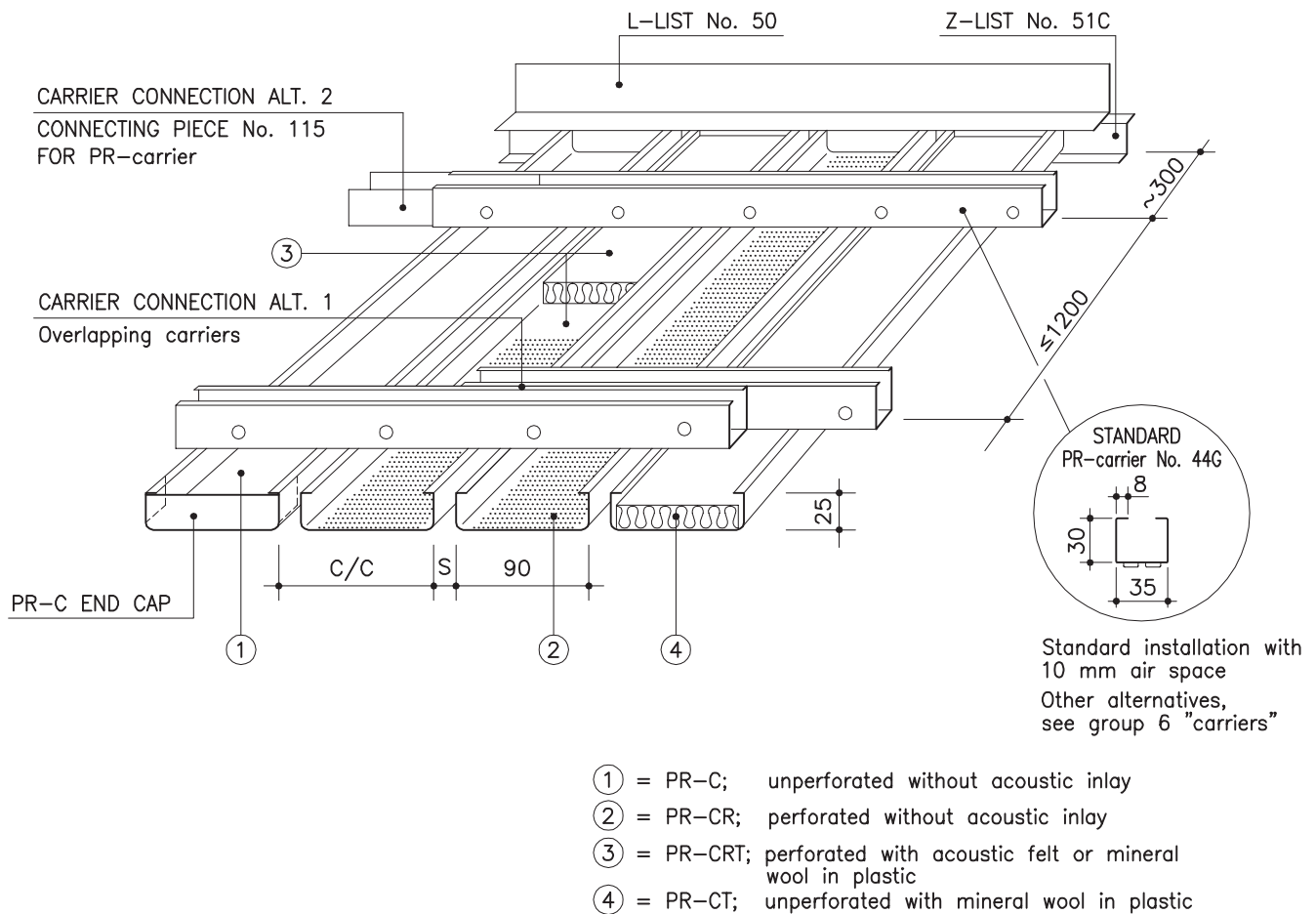
WEIGHT OF CEILING MATERIALS

PR-U	Weight of material
Material	
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 44 or 39	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 Steel)	0.62 kg/m
Z-list No. 51B (1.0 Al)	0.15 kg/pcs
Z-list No. 51C (1.0 Al)	0.16 kg/m
Z-list No. 51D (1.0 Al)	0.17 kg/pcs

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-C



PR-C PROFILES / CLASSIFICATION "C"

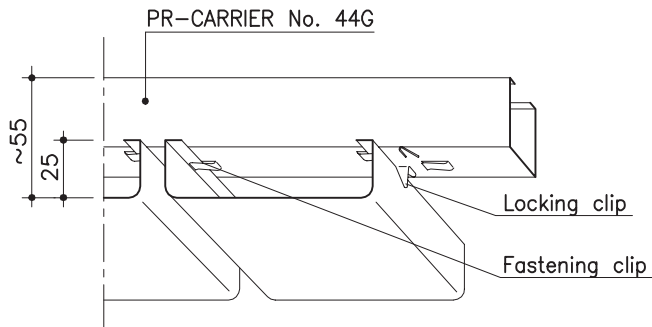
Material	0.5 Al 0.7 Al 0.5 Steel
Width	90 mm
Height	25 mm
Length	max 6500 mm
Air spaces	recommended air space = 10 mm also according to order, but ≥ 10 mm
Perforation	$\varnothing$ 2.0/15%, other alternatives see group 6 "Perforations"
Inlay	acoustic felt or mineral wool in plastic
Finish	stove enamelled (or anodized) according to any well-known colour chart
Protective film	the surface is provided with a protective film if required
Service hatch	see overleaf
Loudspeaker profile	see overleaf
Downlight unit	see overleaf
Connecting piece	No. 189A see pages 22 & 23
Suspension	see page 19 "Suspension systems for profiles"
Edge lists	see group 6 "Lautex lists" and pages 22 & 23 "Lautex marine profiles typical details"
Diagonal installation	PR-carrier No. 39G for diagonal installation in 45°, air space according to order but ≥ 10 mm. See page 20 & 21 "Curved ceilings and diagonal installation"
Other solutions	please contact our technical information department

Latest information: www.lautex.com

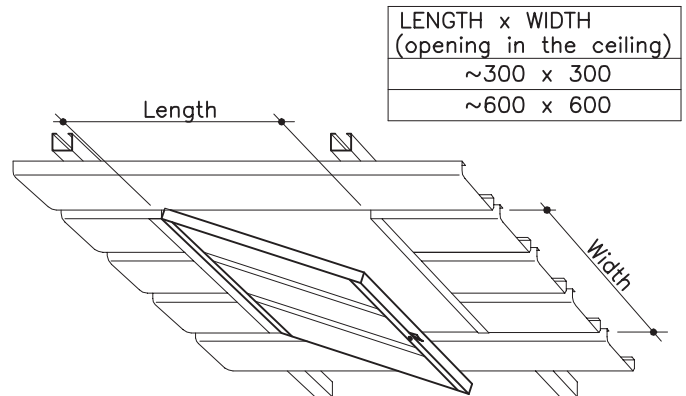
All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-C INSTALLATION ACCESSORIES

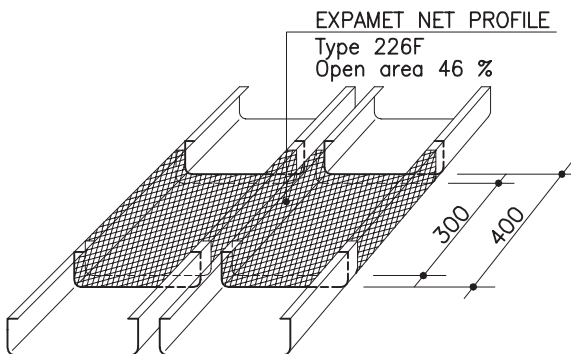
INSTALLATION WITH AIR SPACE 10 MM



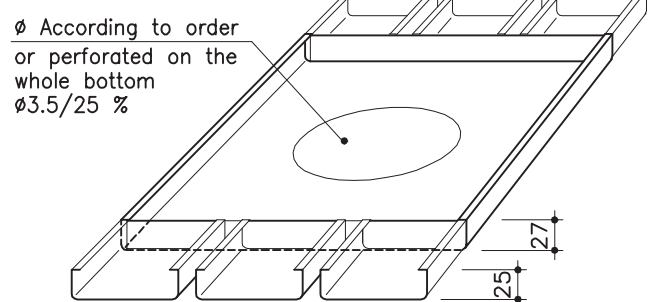
STANDARD SERVICE HATCHES



LOUDSPEAKER PROFILE



DOWNLIGHT OR LOUDSPEAKER PROFILE



SOLUTION OF PROFILE EXTENSION AND PROFILE CONNECTION TO WALL PLEASE SEE PAGES 22 & 23

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 44G	1.2 – 1.6 m/m ²
Carrier lock	1 pcs / carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51C	0.8 – 1.4 m/m ²

WEIGHT OF PROFILES KG / M²

	PR-C		
Material	0.5 Al	0.7 Al	0.5 Steel
Weight	1.89	2.65	5.60

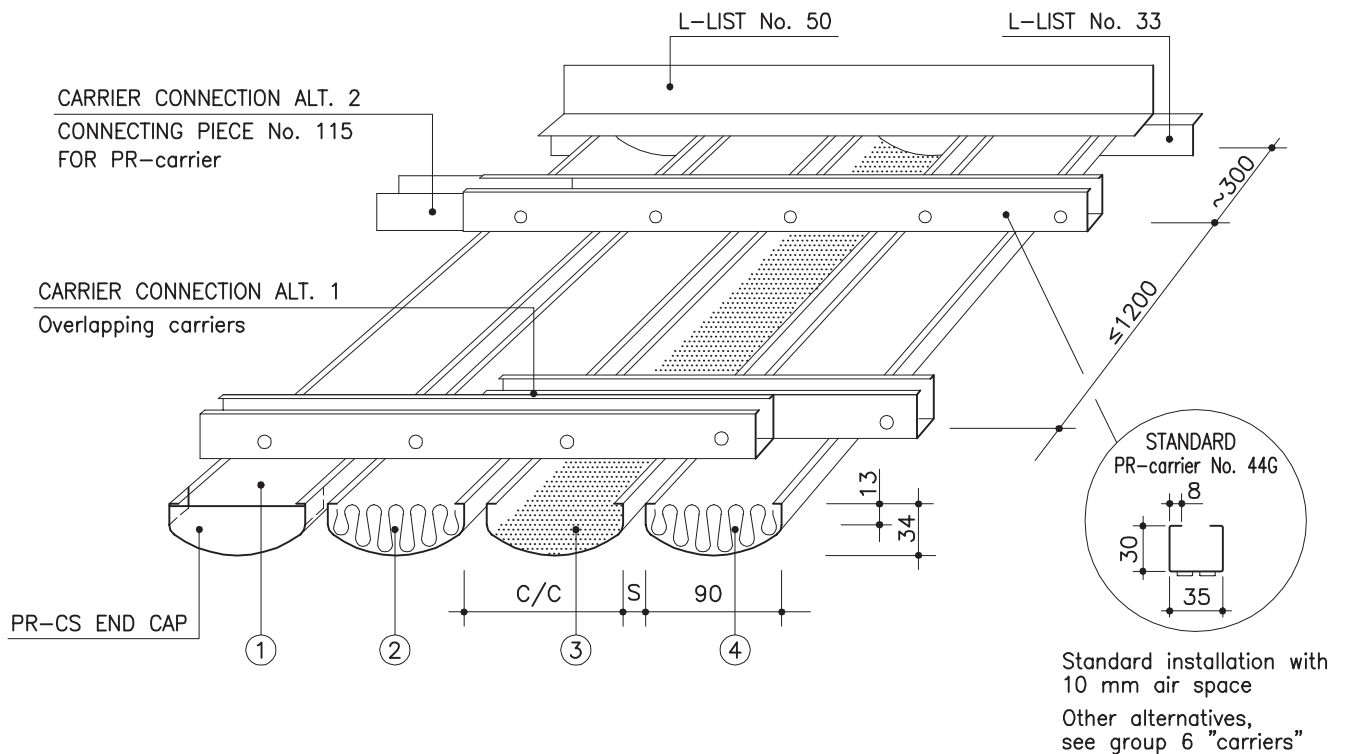
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 44G	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 Steel)	0.62 kg/m
Z-list No. 51C (1.0 Al)	0.16 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-CS



- ① = PR-CS; unperforated without acoustic inlay
- ② = PR-CST; unperforated with mineral wool in plastic
- ③ = PR-CSR; perforated without acoustic inlay
- ④ = PR-CSRT; perforated with mineral wool in plastic

PR-CS PROFILES / CLASSIFICATION "C"

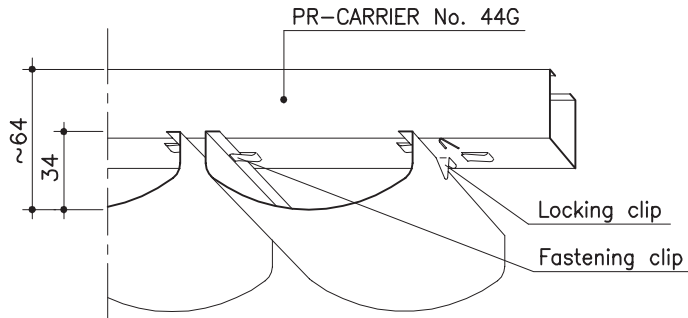
Material	0.5 Al 0.7 Al 0.5 Steel
Width	90 mm
Height	34 mm
Length	max 6500 mm
Air spaces	recommended air space = 10 mm also according to order, but ≥ 10 mm
Perforation	$\varnothing 2.0/15$ %, other alternatives see group 6 "Perforations"
Inlay	mineral wool in plastic
Finish	stove enamelled (or anodized) according to any well-known colour chart
Protective film	the surface is provided with a protective film if required
Service hatch	see overleaf
Loudspeaker profile	see overleaf
Downlight unit	see overleaf
Connecting piece	No. 189B see pages 22 & 23
Curved ceilings	see page 20 & 21 "Curved ceiling and diagonal installation"
Suspension	see page 19 "Suspension systems for profiles"
Edge lists	see group 6 "Lautex lists" and pages 22 & 23 "Lautex marine profiles typical details"
Diagonal installation	PR-carrier No. 39G for diagonal installation in 45°, air space according to order but ≥ 10 mm. see page 20 & 21 "Curved ceiling and diagonal installation"
Other solutions	please contact our technical information department

Latest information: www.lautex.com

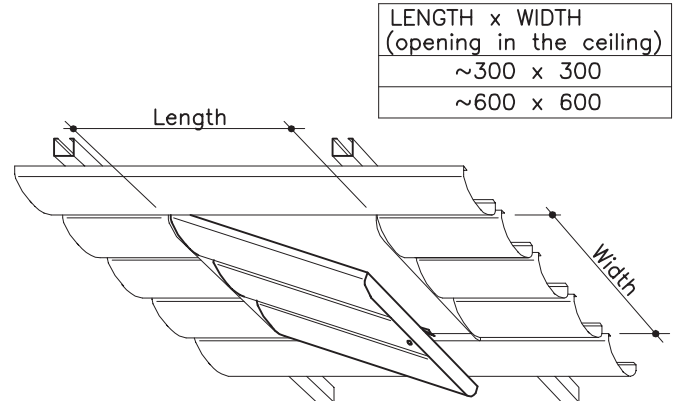
All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-CS INSTALLATION ACCESSORIES

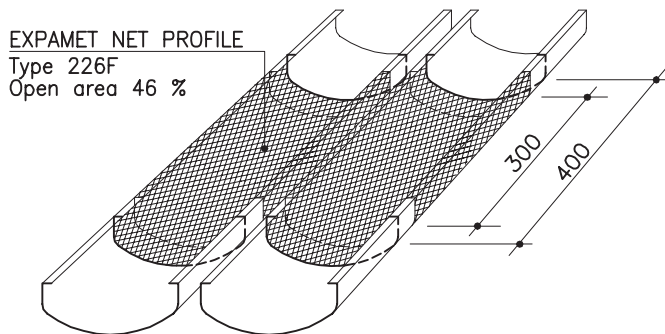
INSTALLATION WITH AIR SPACE 10 MM



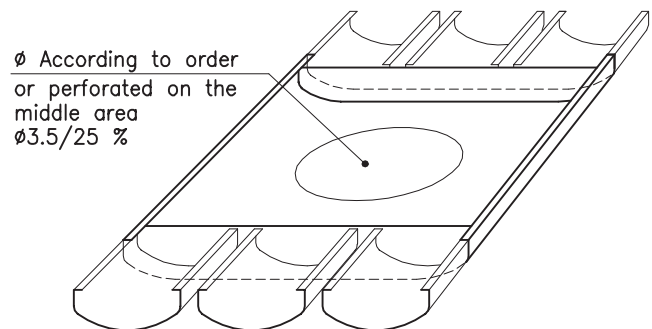
STANDARD SERVICE HATCHES



LOUDSPEAKER PROFILE



DOWNLIGHT OR LOUDSPEAKER PROFILE



SOLUTION OF PROFILE EXTENSION AND PROFILE CONNECTION TO WALL PLEASE SEE PAGES 22 & 23

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 44G	1.2 – 1.6 m/m ²
Carrier lock	1 pcs / carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
L-list No. 33	0.8 – 1.4 m/m ²

WEIGHT OF PROFILES KG / M²

	PR-CS		
Material	0.5 Al	0.7 Al	0.5 Steel
Weight	1.89	2.65	5.60

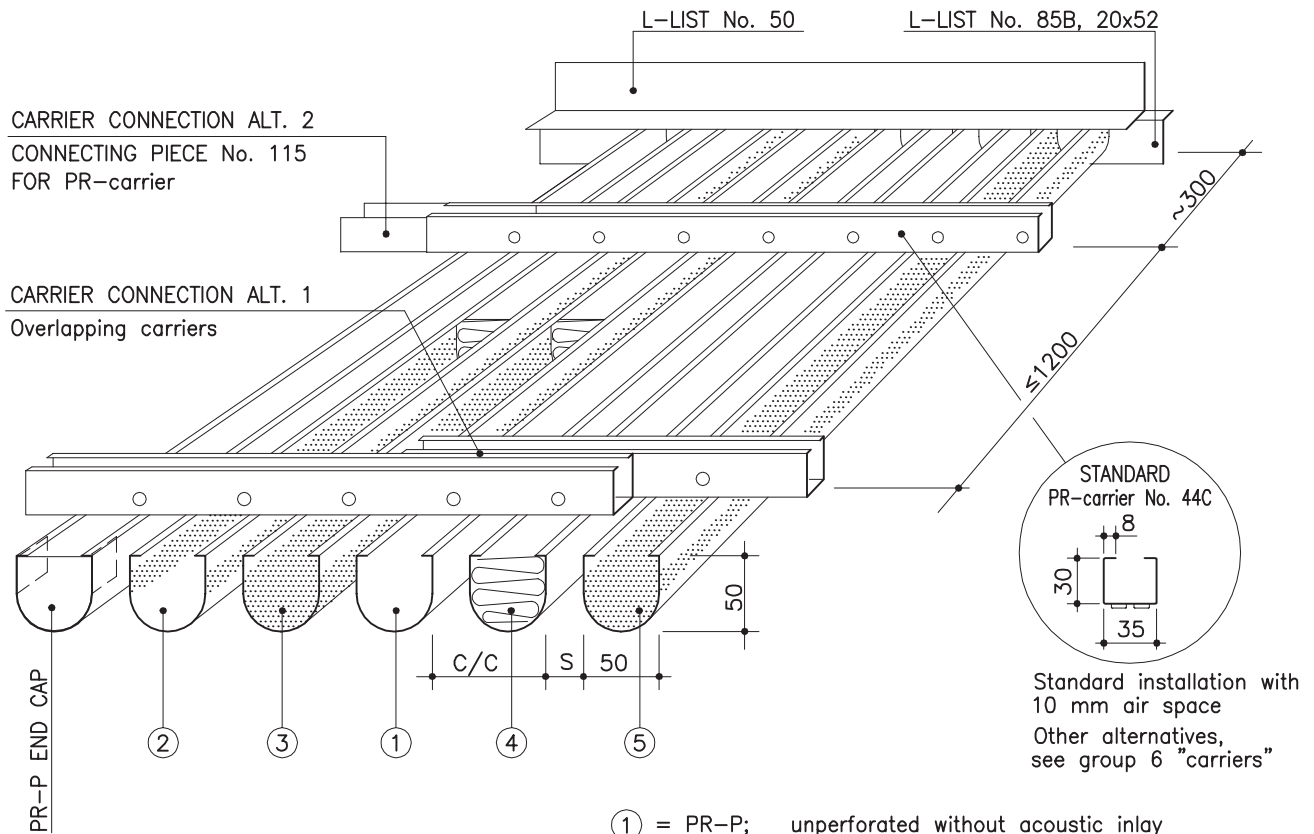
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 44G	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 Steel)	0.62 kg/m
L-list No. 33 (1.0 Al)	0.13 kg/pcs

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-P



- ① = PR-P; unperforated without acoustic inlay
- ② = PR-PRT; perforated on the sides,
with mineral wool in plastic
- ③ = PR-PRT; perforated on the whole area,
with mineral wool in plastic
- ④ = PR-PT; unperforated with mineral wool in plastic
- ⑤ = PR-PR; perforated on the sides and/or on the
whole area, without acoustic inlay

PR-P PROFILES / CLASSIFICATION "C"

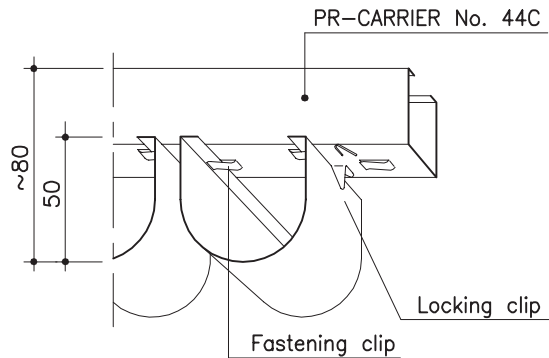
Material	0.7 Al 0.5 Steel
Width	50 mm
Height	50 mm
Length	max 6500 mm
Air spaces	recommended air space = 10 mm also according to order, but ≥ 10 mm
Perforation	$\varnothing$ 2.0/15 %, $\varnothing$ 1.1/21 % (only AL) other alternatives see group 6 "perforations"
Inlay	mineral wool in plastic
Finish	stove enamelled (or anodized) according to any well-known colour chart
Protective film	the surface is provided with a protective film if required
Loudspeaker profile	see overleaf
Downlight unit	see overleaf
Connection piece	No. 189C see pages 22 & 23
Curved ceilings	see page 20 & 21 "Curved ceiling and diagonal installation"
Suspension	see page 19 "Suspension system for profiles"
Edge lists	see group 6 "Lautex lists" and pages 22 & 23 "Lautex marine profiles typical details"
Diagonal installation	PR-carrier No. 39C for diagonal installation in 45°, air space according to order but ≥ 10 mm, see page 20 & 21 "Curved ceiling and diagonal installation"
Other solutions	please contact our technical information department

Latest information: www.lautex.com

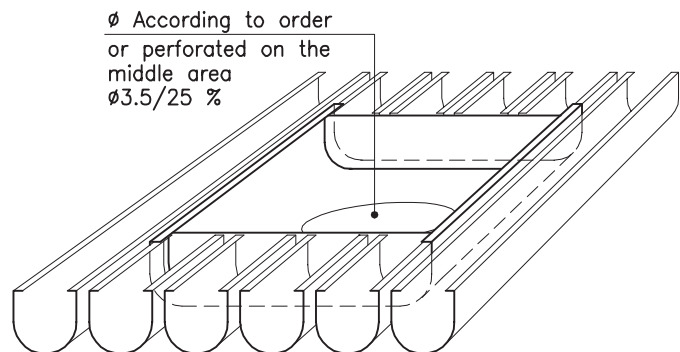
All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-P INSTALLATION ACCESSORIES

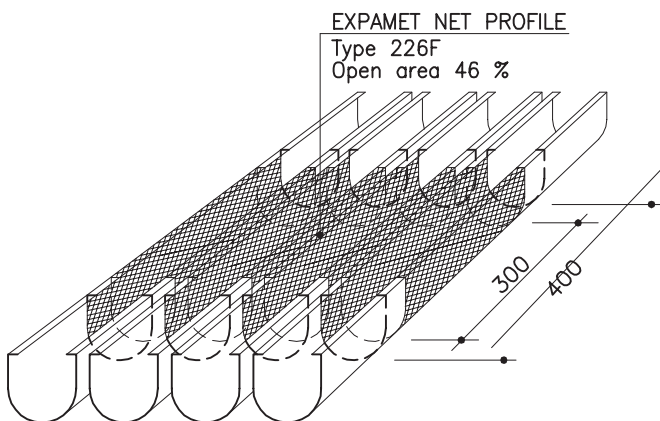
INSTALLATION WITH AIR SPACE 10 MM



DOWNLIGHT OR LOUNDSPEAKER PROFILE



LOUDSPEAKER PROFILE



SOLUTION OF PROFILE EXTENSION AND PROFILE CONNECTION TO WALL PLEASE SEE PAGES 22 & 23

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 44C	1.2 – 1.6 m/m ²
Carrier lock	1 pcs / carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
L-list 20x52	0.8 – 1.4 m/m ²

WEIGHT OF PROFILES KG / M²

	PR-P	
Material	0.7 Al	0.5 Steel
Weight	4.41	9.33

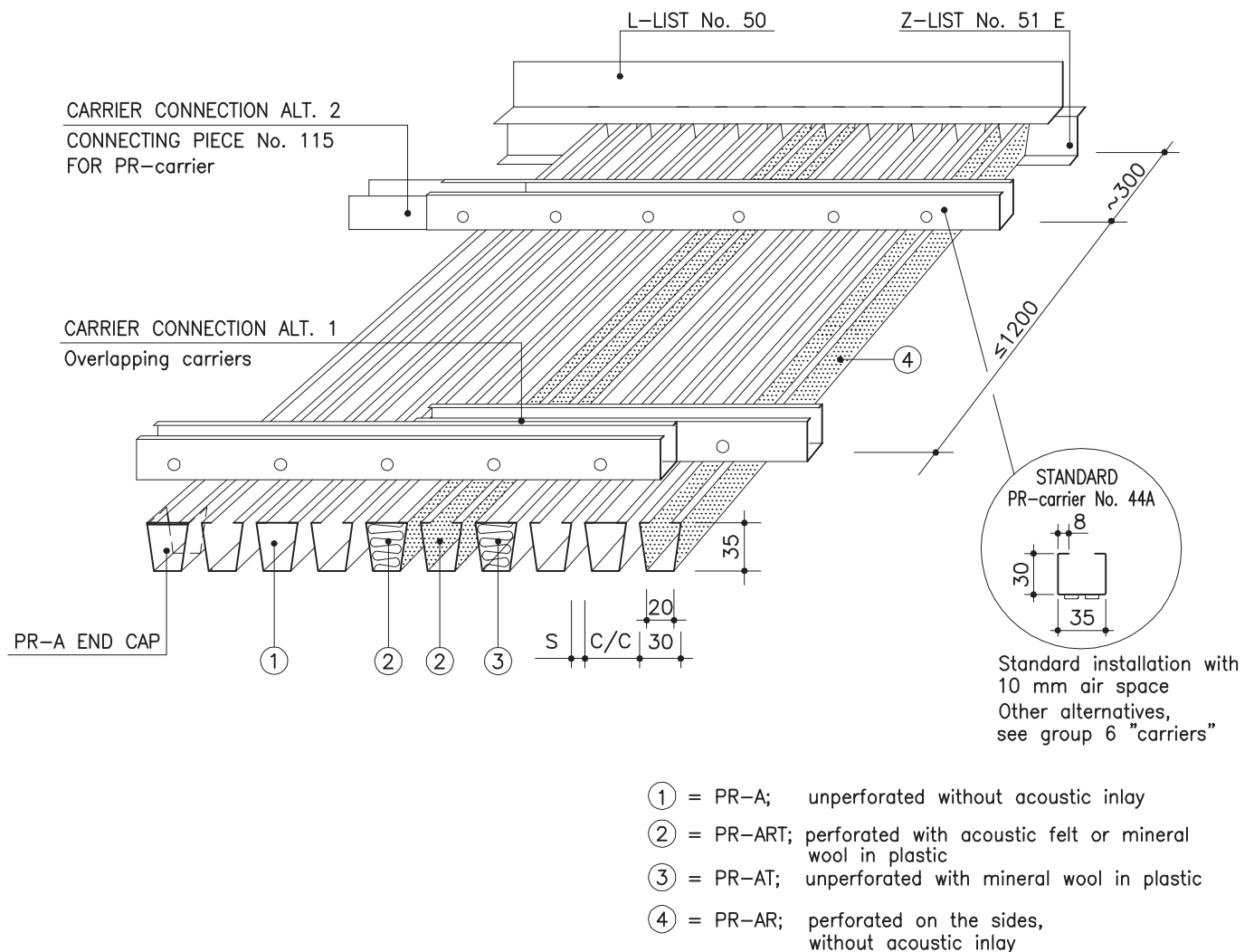
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 44C, 39C	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 AL)	0.32 kg/pcs
L-list No. 50 or 83 (1.0 steel)	0.62 kg/pcs
L-list No.85B, 20x52 (1.0 AL)	0.19 kg/pcs

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-A



PR-A PROFILES / CLASSIFICATION "C"

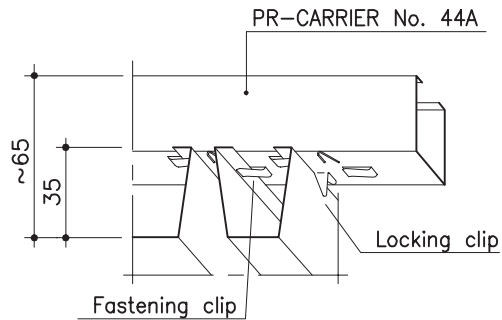
Material	0.4 Al
Width	20 / 30 mm
Height	35 mm
Length	max 5000 mm
Air spaces	recommended air space = 10 mm also according to order, but ≥ 10 mm
Perforation	$\varnothing 2.0/15$ %, other alternatives see group 6 "perforations"
Inlay	mineral wool in plastic
Finish	stove enamelled (or anodized) according to any well-known colour chart
Protective film	the surface is provided with a protective film if required
Loudspeaker profile	see overleaf
Downlight unit	see overleaf
Connecting piece	No. 181i see pages 22 & 23
Curved ceilings	see page 20 & 21 "Curved ceilings and diagonal installation"
Suspension	see page 19 "Suspension systems for profiles"
Edge lists	see group 6 "Lists" and pages 22 & 23 "Lautex marine profiles typical details"
Other solutions	please contact our technical information department

Latest information: www.lautex.com

All products are subject to modifications without prior notice

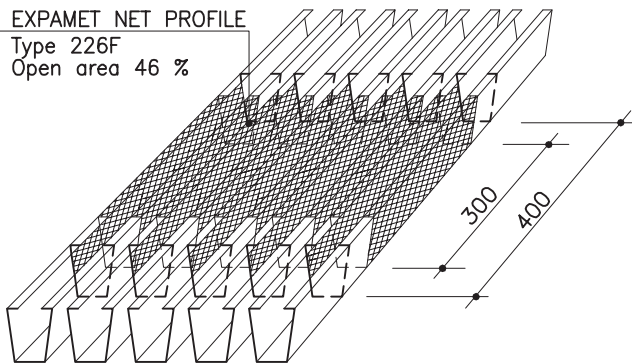
MARINE PROFILE LAUTEX PR-A INSTALLATION ACCESSORIES

INSTALLATION WITH AIR SPACE 10 MM



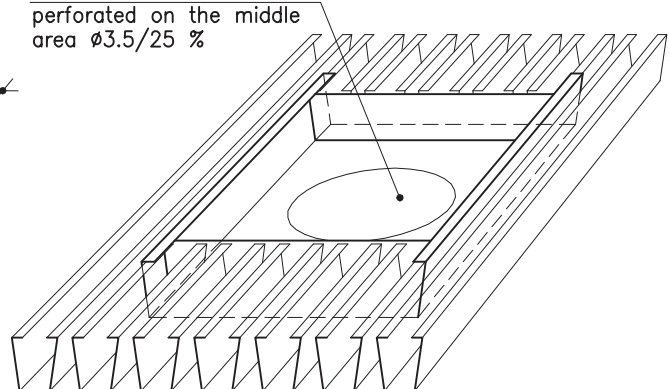
LOUDSPEAKER PROFILE

EXPAMET NET PROFILE
Type 226F
Open area 46 %



DOWNLIGHT OR LOUDSPEAKER PROFILE

Ø According to order or
perforated on the middle
area Ø3.5/25 %



SOLUTION OF PROFILE EXTENSION AND PROFILE CONNECTION TO WALL PLEASE SEE PAGES 22 & 23

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 44A	1.2 – 1.6 m/m ²
Carrier lock	1 pcs / carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51E	0.8 – 1.4 m/m ²

WEIGHT OF PROFILES KG / M²

PR-A	
Material	0.4 Al
Weight	2.70

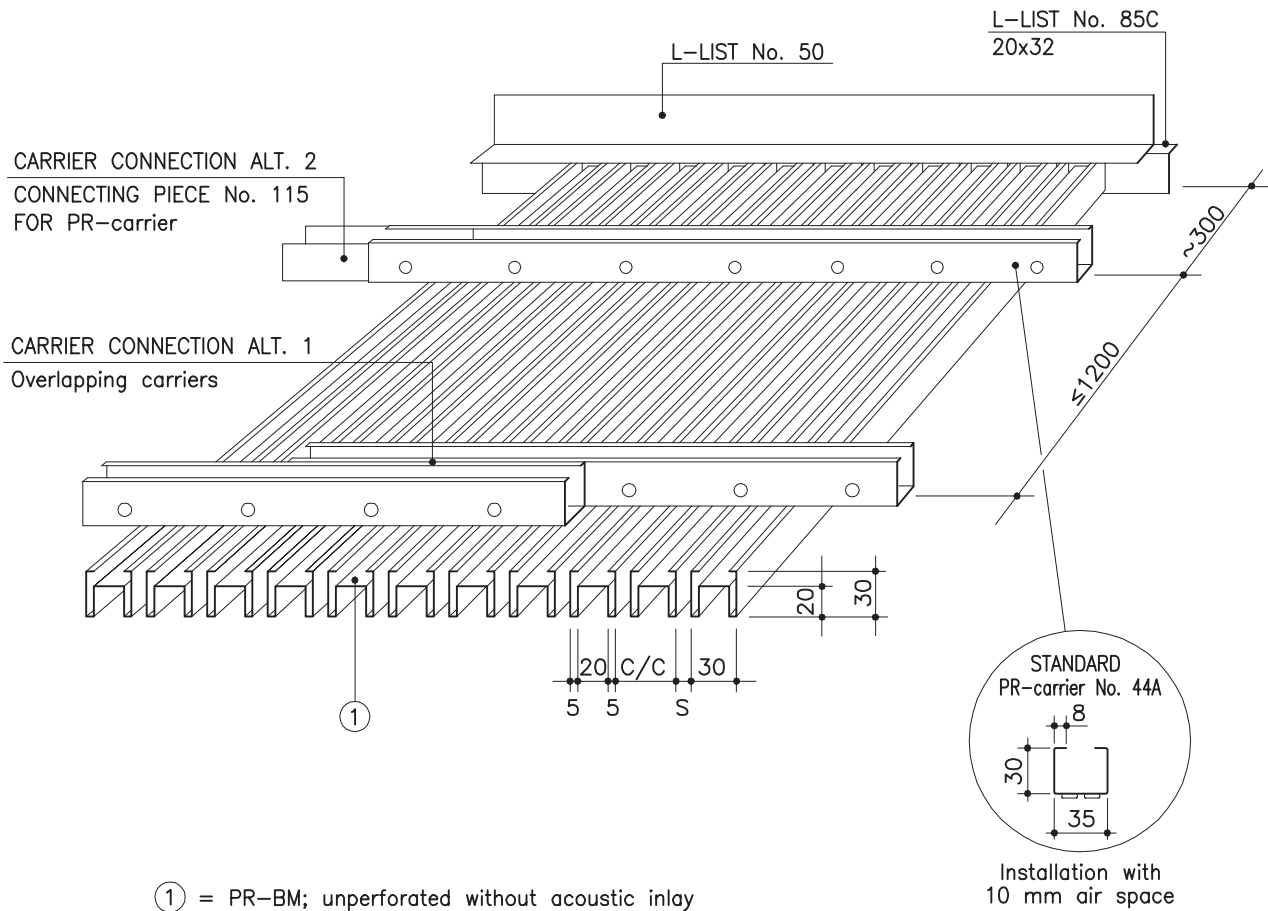
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 44A	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 Steel)	0.62 kg/m
Z-list No. 51E (1.0 Al)	0.17 kg/pcs
L-list No. 85A (1.0 Al)	0.15 kg/pcs

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-BM



PR-BM PROFILES / CLASSIFICATION "C"

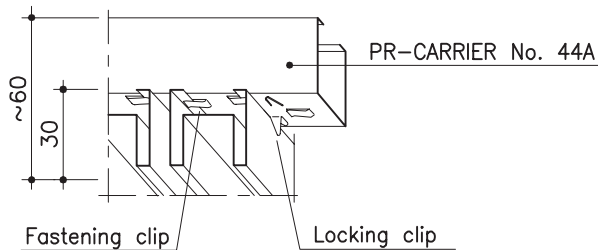
Material	0.5 Al
Width	30 mm
Height	30 mm
Length	max 5000 mm
Air spaces	recommended air space = 10 mm also according to order, but ≥ 10 mm
Perforation	none
Inlay	none
Finish	stove enamelled (or anodized) according to any well-known colour chart
Protective film	the surface is provided with a protective film if required
Loudspeaker profile	see overleaf
Downlight unit	see overleaf
Connecting piece	No. 189D see pages 22 & 23
Curved ceilings	see page 20 & 21 "Curved ceilings and diagonal installation"
Suspension	see page 19 "Suspension systems for profiles"
Edge lists	see group 6 "Lautex lists" and pages 22 & 23 "Lautex marine profiles typical details"
Other solutions	please contact our technical information department

Latest information: www.lautex.com

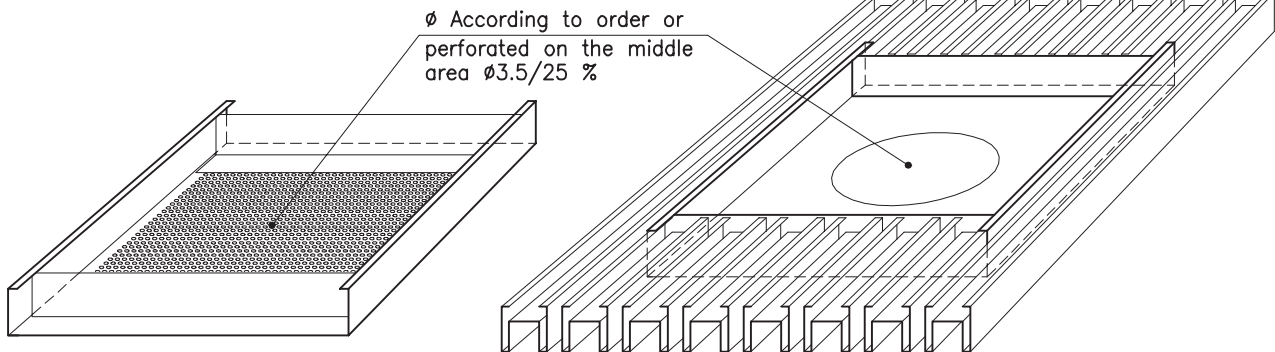
All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-BM INSTALLATION ACCESSORIES

INSTALLATION WITH AIR SPACE 10 MM



DOWNLIGHT OR LOUDSPEAKER PROFILE



SOLUTION OF PROFILE EXTENSION AND PROFILE CONNECTION TO WALL PLEASE SEE PAGES 22 & 23

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 44A	1.2 – 1.6 m/m ²
Carrier lock	1 pcs / carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
L-list 20x32	0.8 – 1.4 m/m ²

WEIGHT OF PROFILES KG / M²

PR-BM	
Material	0.5 Al
Weight	4.73

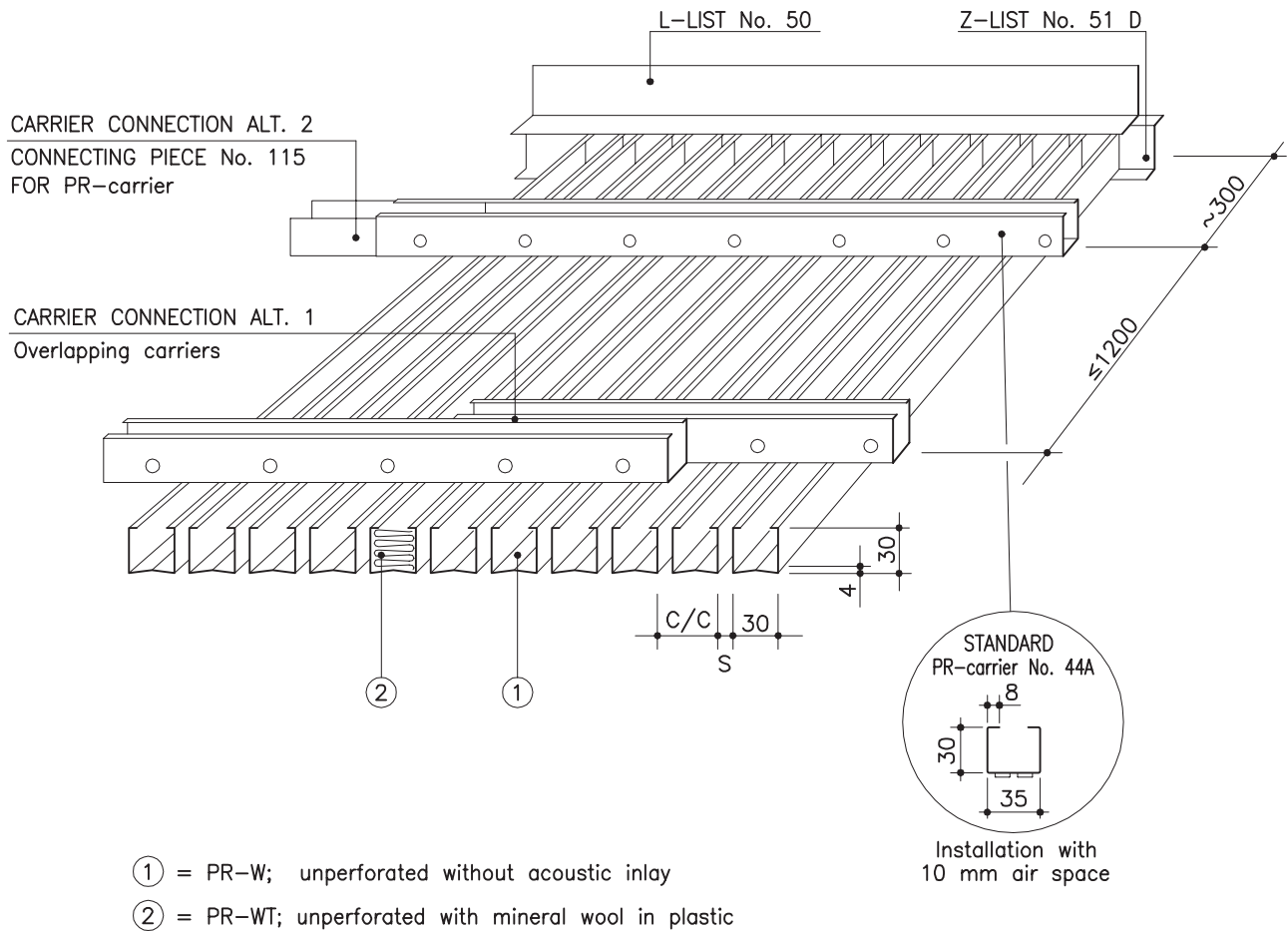
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 44A	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
L-list No. 85C 20x32 (1.0 Al)	0.14 kg/pcs

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-W



PR-W PROFILES / CLASSIFICATION "C"

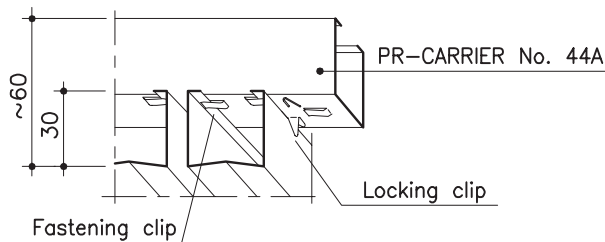
Material	0.4 Al
Width	30 mm
Height	30 mm
Length	max 5000 mm
Air spaces	recommended air space = 10 mm also according to order, but ≥ 10 mm
Perforation	none
Inlay	mineral wool in plastic
Finish	stove enamelled (or anodized) according to any well-known colour chart
Protective film	the surface is provided with a protective film if required
Loudspeaker profile	see overleaf
Downlight unit	see overleaf
Connecting piece	No. 189E, see pages 22 & 23
Curved ceilings	see page 20 & 21 "Curved ceilings and diagonal installation"
Suspension	see page 19 "Suspension systems for profiles"
Edge lists	see group 6 "Lautex lists and pages 22 & 23 "Lautex marine profiles typical details"
Other solutions	please contact our technical information department

Latest information: www.lautex.com

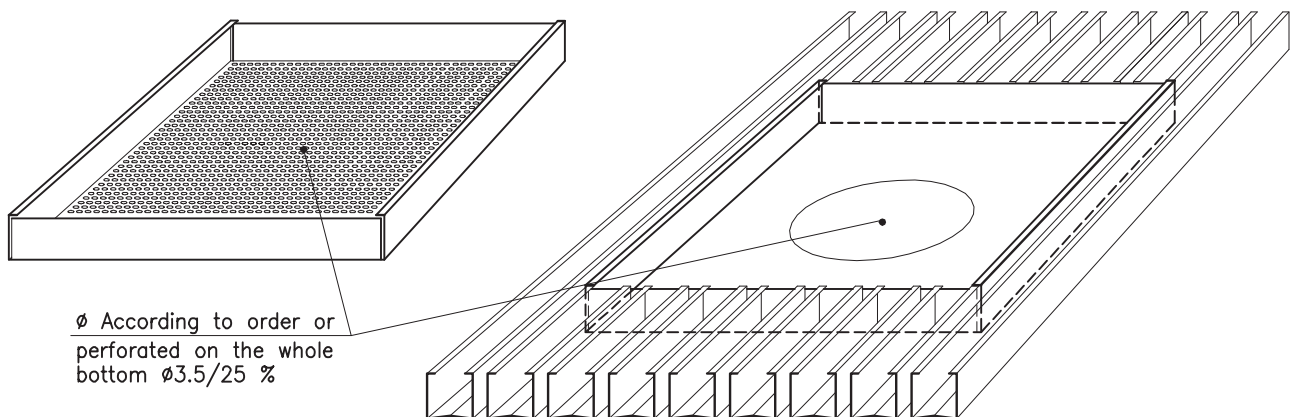
All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-W INSTALLATION ACCESSORIES

INSTALLATION WITH AIR SPACE 10 MM



DOWNLIGHT OR LOUDSPEAKER PROFILE



SOLUTION OF PROFILE EXTENSION AND PROFILE CONNECTION TO WALL PLEASE SEE PAGES 22 & 23

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 44A	1.2 – 1.6 m/m ²
Carrier lock	1 pcs / carrier meter
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51D	0.8 – 1.4 m/m ²

WEIGHT OF PROFILES KG / M²

PR-W	
Material	0.4 Al
Weight	2.70

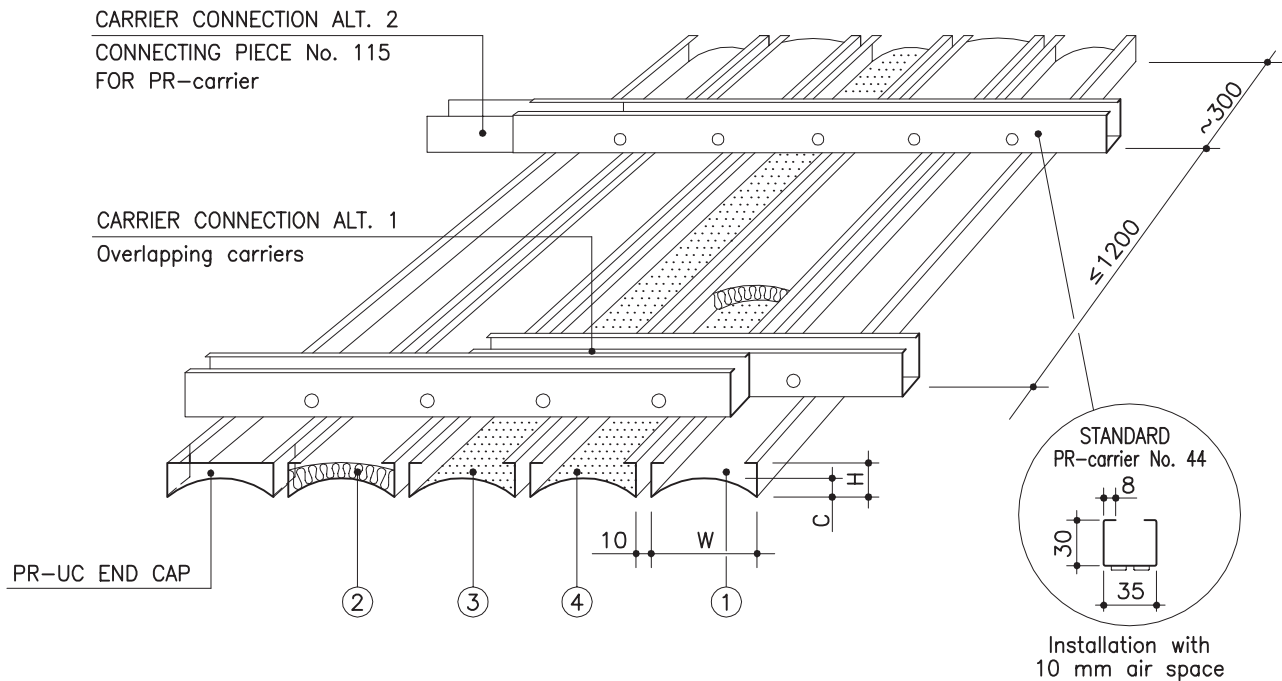
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 44A	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Z-list No. 51D (1.0 Al)	0.18 kg/pcs

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-UC



- ① = PR-UC; unperforated without acoustic inlay
- ② = PR-UCT; unperforated with mineral wool in plastic
- ③ = PR-UCR; perforated without acoustic inlay
- ④ = PR-UCRT; perforated with mineral wool in plastic

PR-UC PROFILES / CLASSIFICATION "C"

Profile	H mm	W mm	C mm	length max. mm	material	carrier No. air space 10 mm	connecting piece
23x70x23	23	70	12	4000	0.7 Al	44E	189F
26x110x26	26	110	20	4000	0.7 Al	44X	189G
35x200x35	35	200	23	4000	0.7 Al	44X	189H

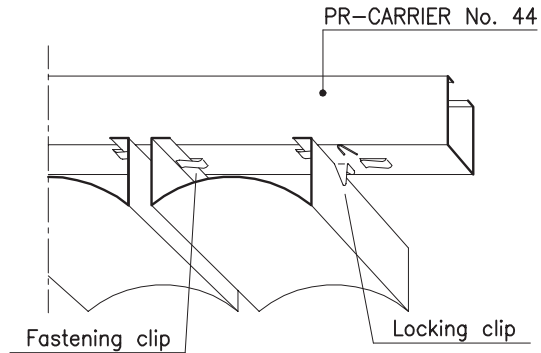
Perforation	Ø 2.0/15 % other alternatives see group 6 "perforations"
Air spaces	recommended air space = 10 mm also according to order, but ≥ 10 mm
Inlay	mineral wool in plastic
Finish	stove enamelled (or anodized) according to any well-known colour chart
Protective film	the surface is provided with a protective film if required
Loudspeaker profile	see overleaf
Downlight unit	see overleaf
Connecting piece	see above and pages 22 & 23
Suspension	see page 19 "Suspension systems for profiles"
Edge lists	see group 6 "Lautex lists" and pages 22 & 23 "Lautex marine profiles typical details"
Installation with PR-UD	see overleaf
Diagonal installation	PR-carrier No. 39C...39X for diagonal installation in 45°, air space according to order but ≥ 10 mm, see page 20 & 21 "Curved ceilings and diagonal installation"
Other solutions	please contact our technical information department

Latest information: www.lautex.com

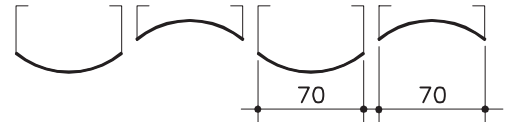
All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-UC INSTALLATION DETAILS AND ACCESSORIES

INSTALLATION WITH AIR SPACE 10 MM

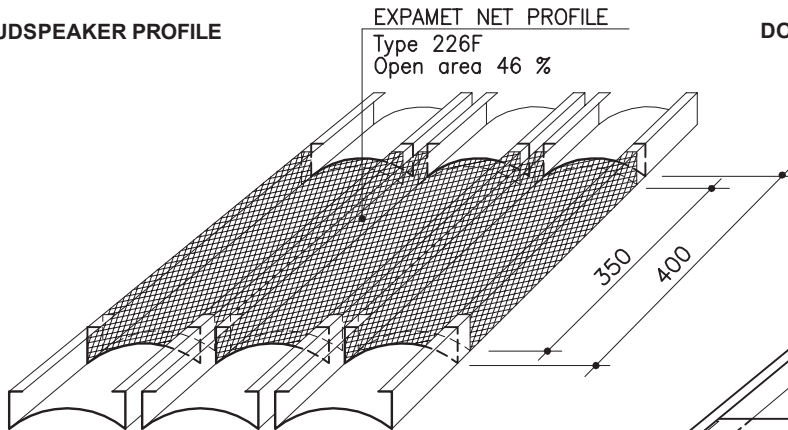


COMBINATION CEILING PR-UC / PR-UD

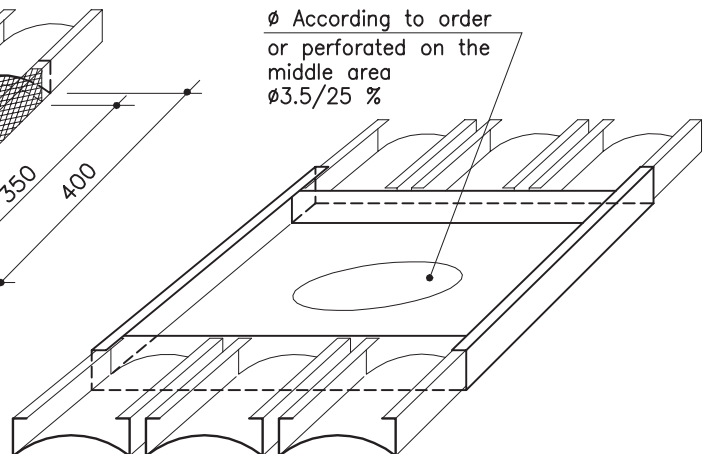


By combining profiles PR-UD and PR-UC, it is possible to create an elegant wavy ceiling.

LOUDSPEAKER PROFILE



DOWNLIGHT OR LOUDSPEAKER PROFILE



SOLUTION OF PROFILE EXTENSION AND PROFILE CONNECTION TO WALL PLEASE SEE PAGES 22 & 23

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 44	1.2 – 1.6 m/m ²
Carrier lock	1 pcs / carrier meter

WEIGHT OF PROFILES KG / M²

	PR-UC, 0.7 Al		
Width	70 mm	110 mm	200 mm
Weight	3.12	2.87	2.58

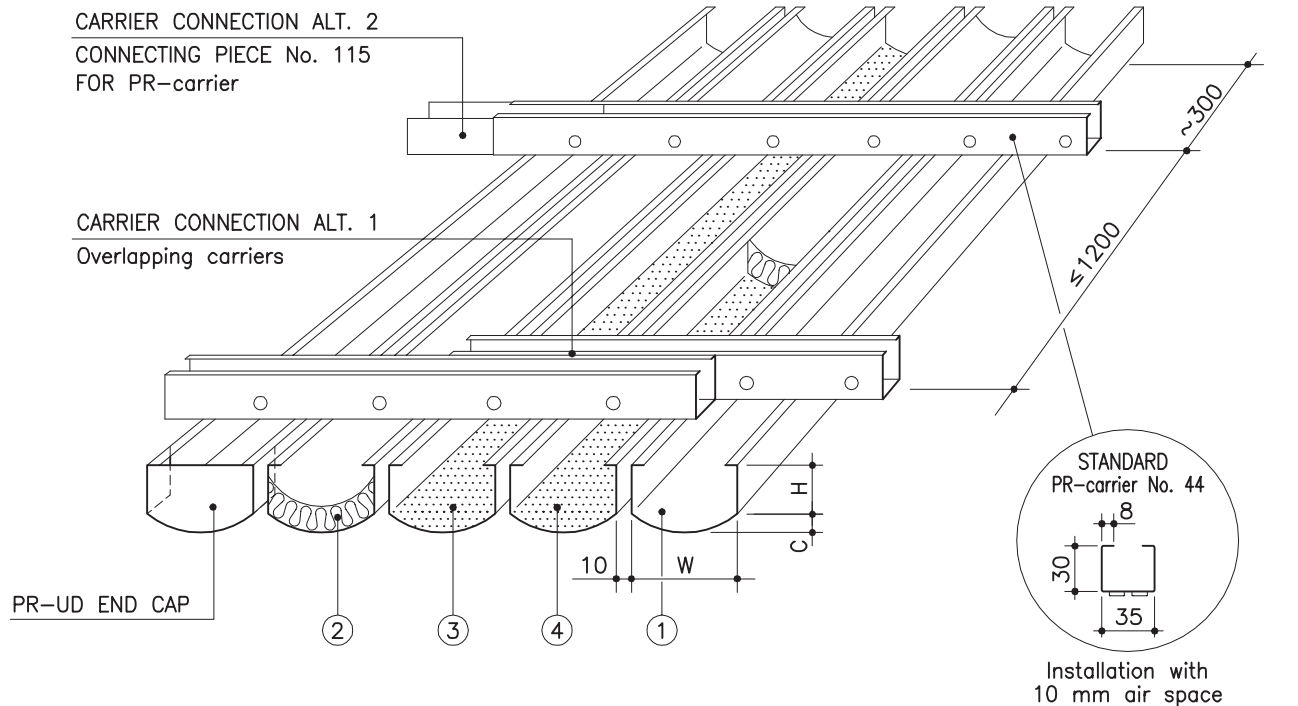
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 44	0.83 kg/m
Carrier lock	0.08 kg/pcs

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-UD



- ① = PR-UD; unperforated without acoustic inlay
- ② = PR-UDT; unperforated with mineral wool in plastic
- ③ = PR-UDR; perforated without acoustic inlay
- ④ = PR-UDRT; perforated with mineral wool in plastic

PR-UD PROFILES / CLASSIFICATION "C"

Profile	H mm	W mm	C mm	length max. mm	material	carrier No. air space 10 mm	connecting piece
32x70x32	32	70	12	4000	0.7 Al	44E	189J
35x110x35	35	110	20	4000	0.7 Al	44X	189K
40x200x40	40	200	23	4000	0.7 Al	44X	189L

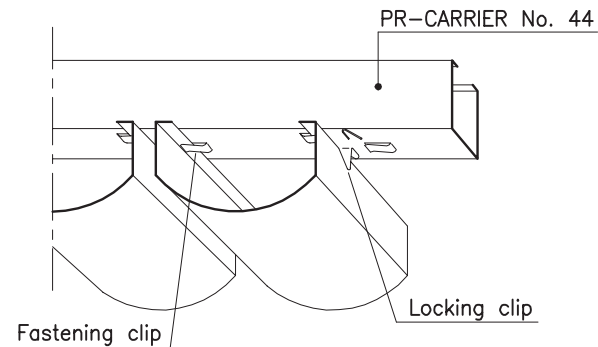
Perforation	Ø 2.0/15% other alternatives see group 6 "perforations"
Air spaces	recommended air space = 10 mm also according to order, but ≥ 10 mm
Inlay	mineral wool in plastic
Finish	stove enamelled (or anodized) according to any well-known colour chart
Protective film	the surface is provided with a protective film if required
Loudspeaker profile	see overleaf
Downlight unit	see overleaf
Connecting piece	see above and pages 22 & 23
Suspension	see page 19 "Suspension systems for profiles"
Edge lists	see group 6 "Lautex lists" and pages 22 & 23 "Lautex marine profiles typical details"
Installation with PR-UC	see overleaf
Diagonal installation	PR-carrier No. 39C...39X for diagonal installation in 45°, air space according to order but ≥ 10 mm, see page 20 & 21 "Curved ceiling and diagonal installation"
Other solutions	please contact our technical information department

Latest information: www.lautex.com

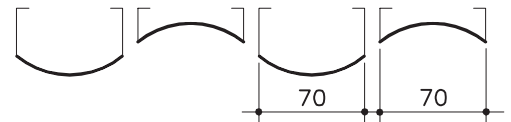
All products are subject to modifications without prior notice

MARINE PROFILE LAUTEX PR-UD INSTALLATION ACCESSORIES

INSTALLATION WITH AIR SPACE 10 MM

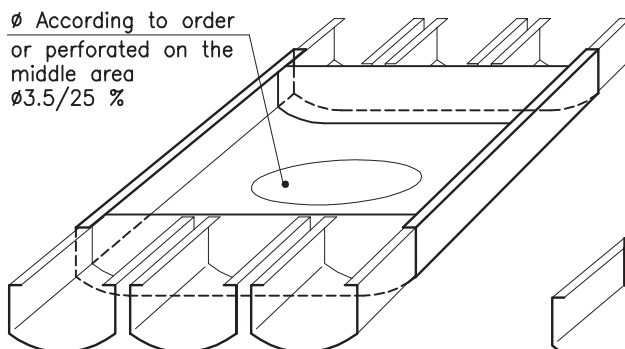


COMBINATION CEILING PR-UC / PR-UD

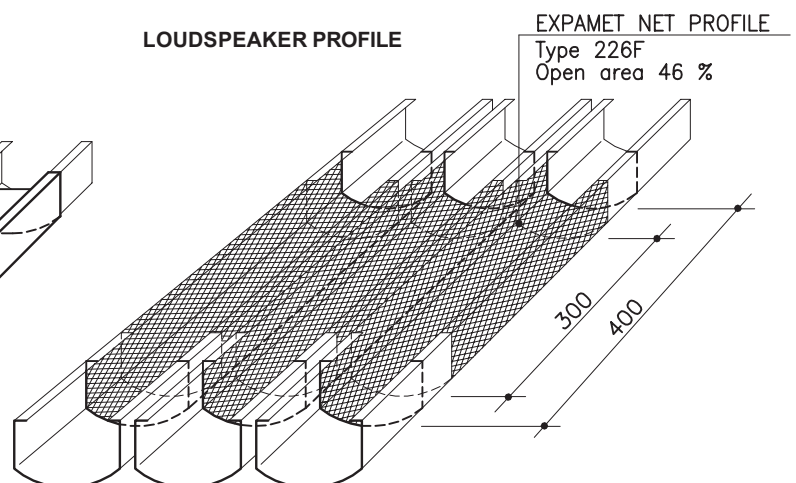


By combining profiles PR-UD and PR-UC, it is possible to create an elegant wavy ceiling.

DOWNLIGHT OR LOUDSPEAKER PROFILE



LOUDSPEAKER PROFILE



SOLUTION OF PROFILE EXTENSION AND PROFILE CONNECTION TO WALL PLEASE SEE PAGES 22 & 23

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 44	1.2 – 1.6 m/m ²
Carrier lock	1 pcs / carrier meter

WEIGHT OF PROFILES KG / M²

	PR-UD, 0.7 Al		
Width	70 mm	110 mm	200 mm
Weight	3.54	3.15	2.67

WEIGHT OF OTHER CEILING MATERIALS

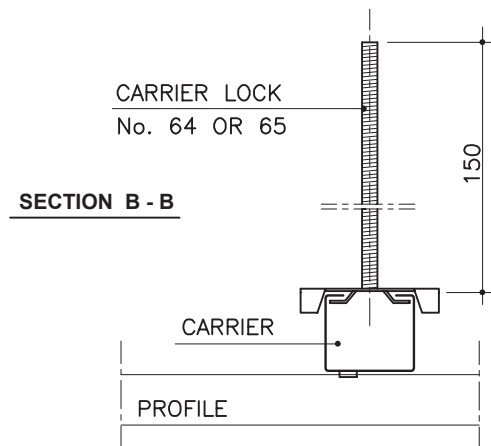
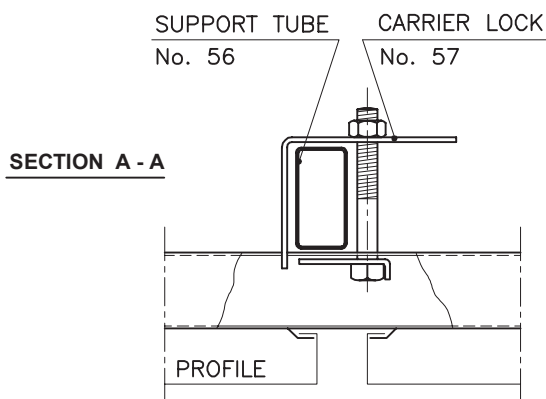
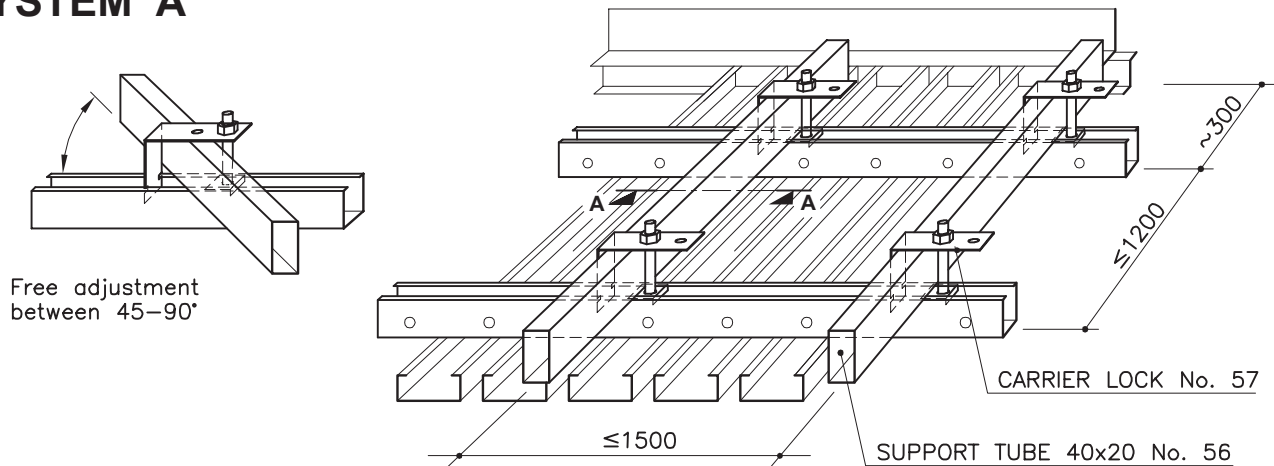
Product	Weight of material
Mineral wool in plastic	0.52 kg/m ²
Carrier No. 44	0.83 kg/m
Carrier lock	0.08 kg/pcs

Latest information: www.lautex.com

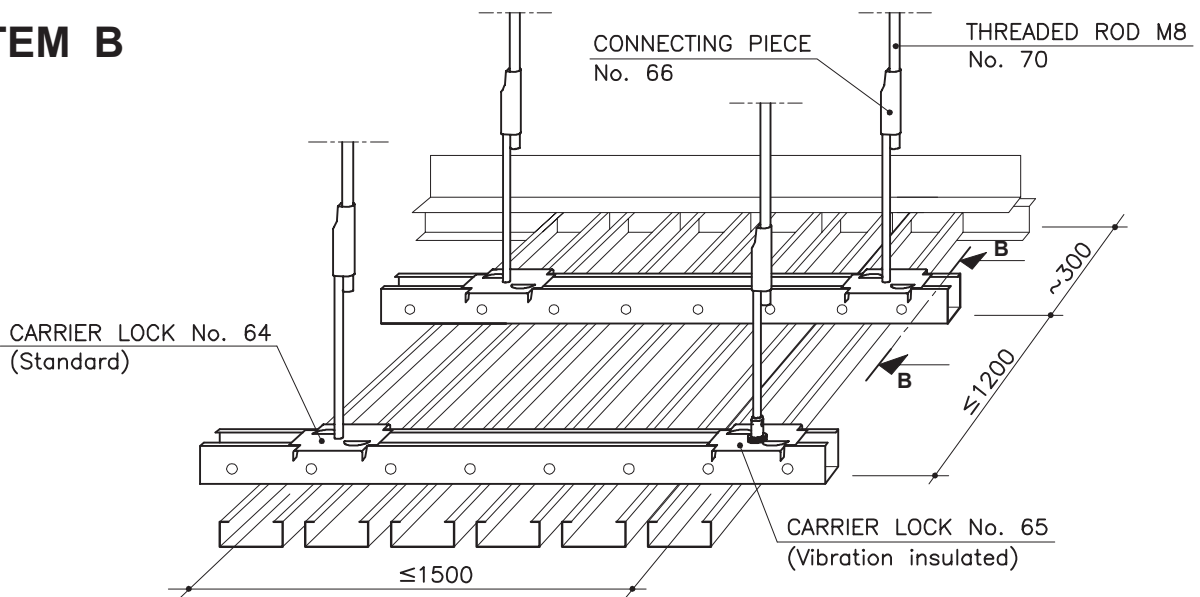
All products are subject to modifications without prior notice

LAUTEX SUSPENSION SYSTEMS FOR PROFILES

SYSTEM A



SYSTEM B



Latest information: www.lautex.com

All products are subject to modifications without prior notice

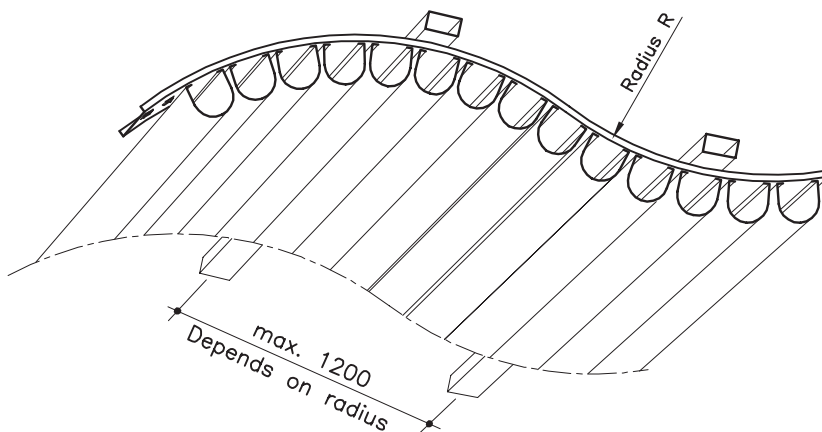
LAUTEX CURVED CEILINGS AND DIAGONAL INSTALLATION

CURVED PROFILE CEILINGS

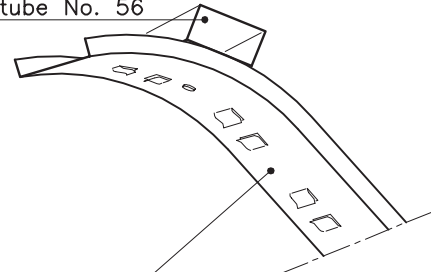
The profile ceilings can be curved using our PR-carrier No. 88A ... X.

The minimum radius depends on profile width and air space.

Ideal for narrow profiles e.g. for PR-P

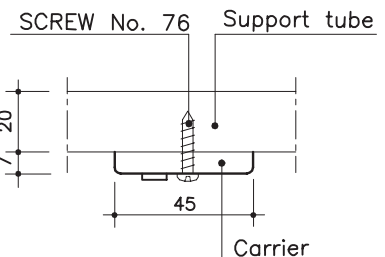


Support tube No. 56



PR-carrier No. 88A...X

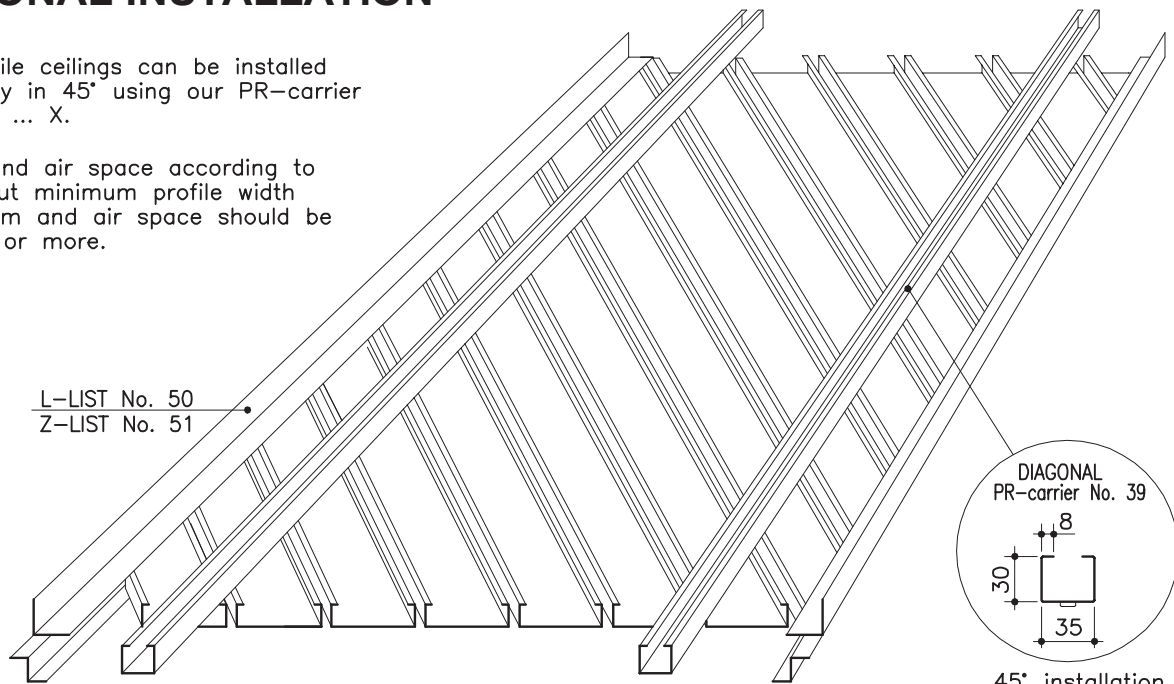
Radius R according to order
but minimum R=600mm



DIAGONAL INSTALLATION

The profile ceilings can be installed diagonally in 45° using our PR-carrier No. 39C ... X.

Profile and air space according to order, but minimum profile width is 50 mm and air space should be 10 mm or more.



L-LIST No. 50
Z-LIST No. 51

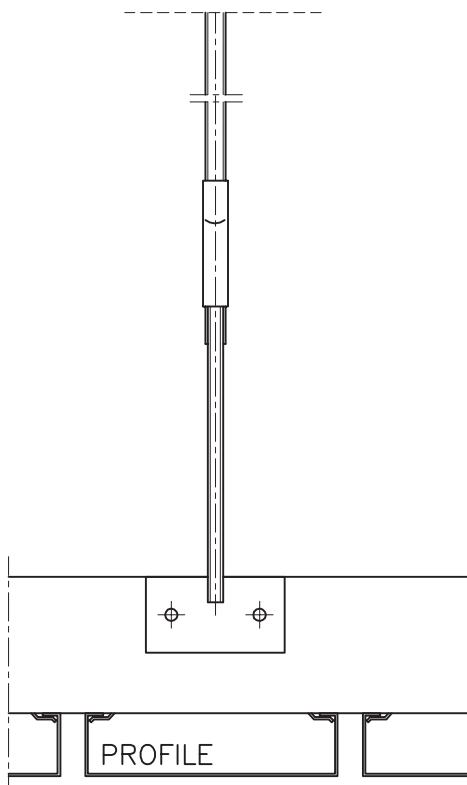
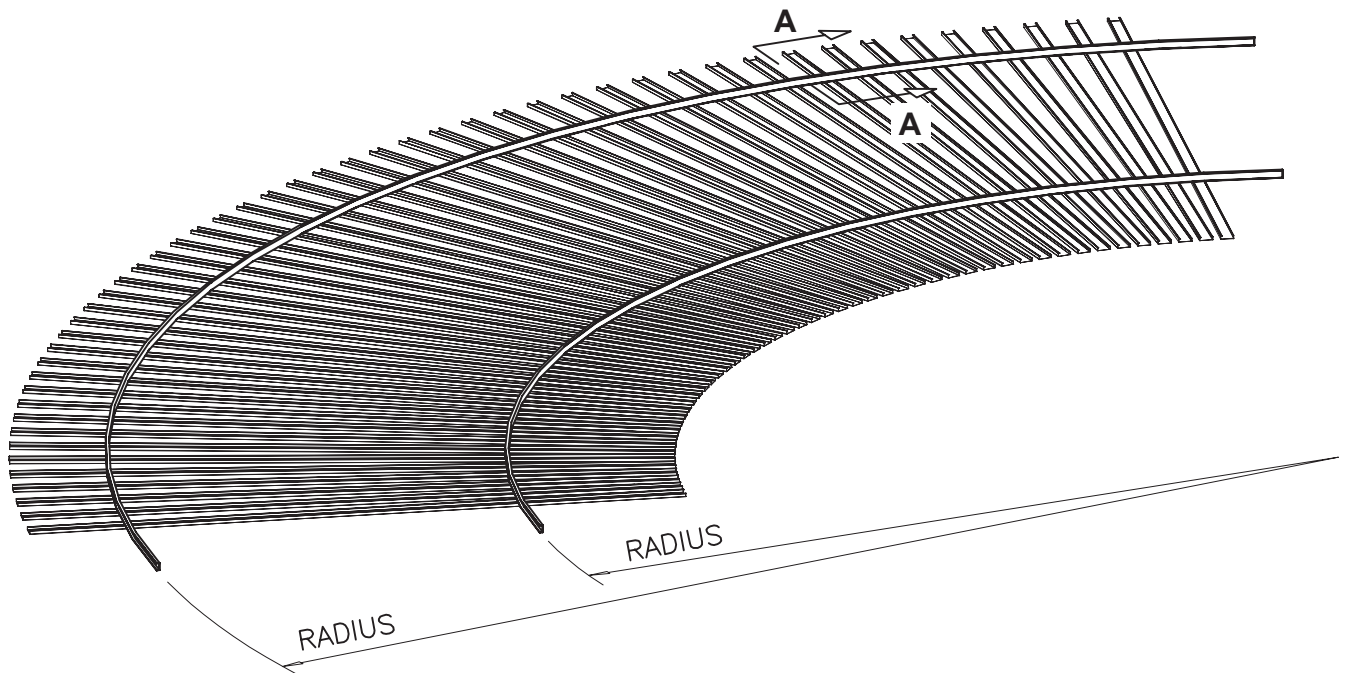
DIAGONAL
PR-carrier No. 39

45° installation

Latest information: www.lautex.com

All products are subject to modifications without prior notice

RADIAL INSTALLATION OF LAUTEX PROFILES



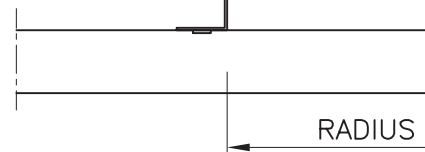
THREADED ROD M8
No. 70

CONNECTING PIECE
No. 66

CARRIER LOCK
No. 68

SECTION A - A

BENT PR-CARRIER
No. 89

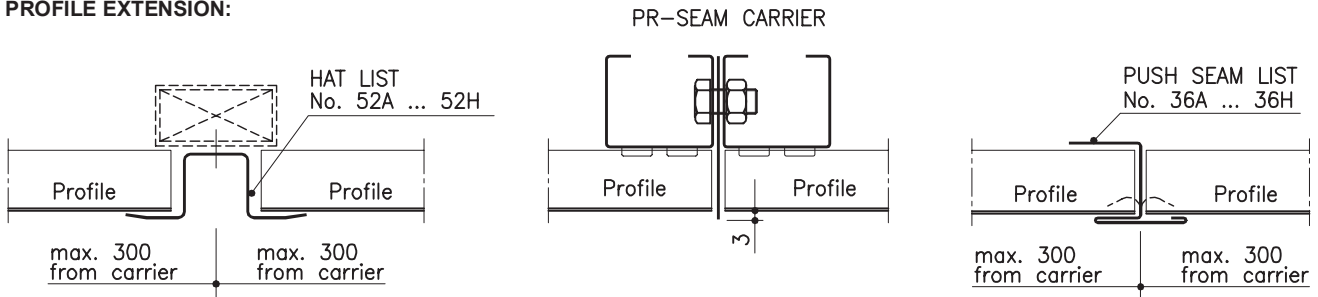


Latest information: www.lautex.com

All products are subject to modifications without prior notice

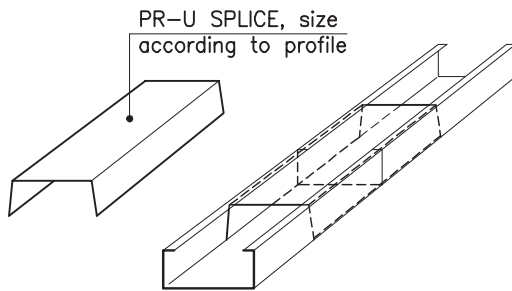
LAUTEX MARINE PROFILES, TYPICAL DETAILS

PROFILE EXTENSION:

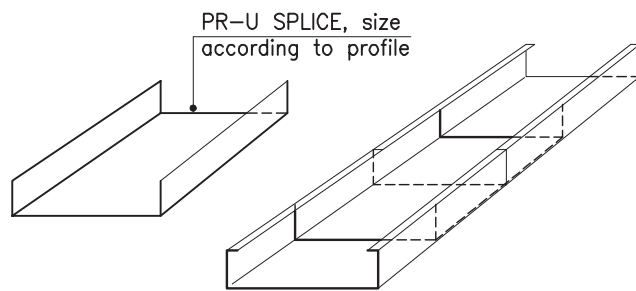


SOLUTION OF PROFILE CONNECTION

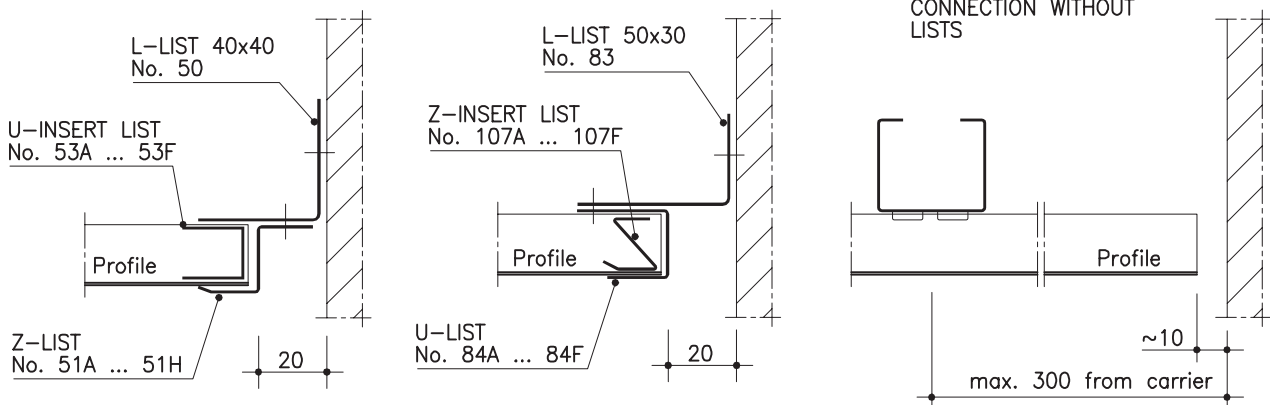
Profile width max. 150



Profile width more than 150



PROFILE CONNECTION TO WALL:

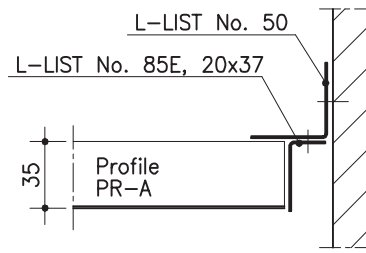
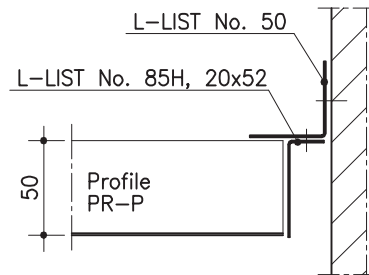


Latest information: www.lautex.com

All products are subject to modifications without prior notice

LAUTEX MARINE PROFILES, TYPICAL DETAILS

PROFILE CONNECTION TO WALL:



Latest information: www.lautex.com

All products are subject to modifications without prior notice

Lautex Kasetit /Cassettes

Kasettikatto muodostaa paneelikaton tapaan tiiviin, tilaa rajaavan tasomaisen pinnan.

Kasettikoko on lähes vapaasti valittavissa. Yleisimmät moduulimitat ovat 600 x 600 mm ja 300 x 300 mm. Käytäväkaseteissa 600 x 1200 mm ja 600 x 1500 mm.

Kasetteja valmistetaan useilla eri vakio lävistyksillä, ja tarvittaessa myös kohdekohtaisesti kuvioituna.

Kasettikatto on huollon kannalta edullinen. Tarvittaessa mikä tahansa kasetti voidaan irrottaa.

Lautex Cassettes

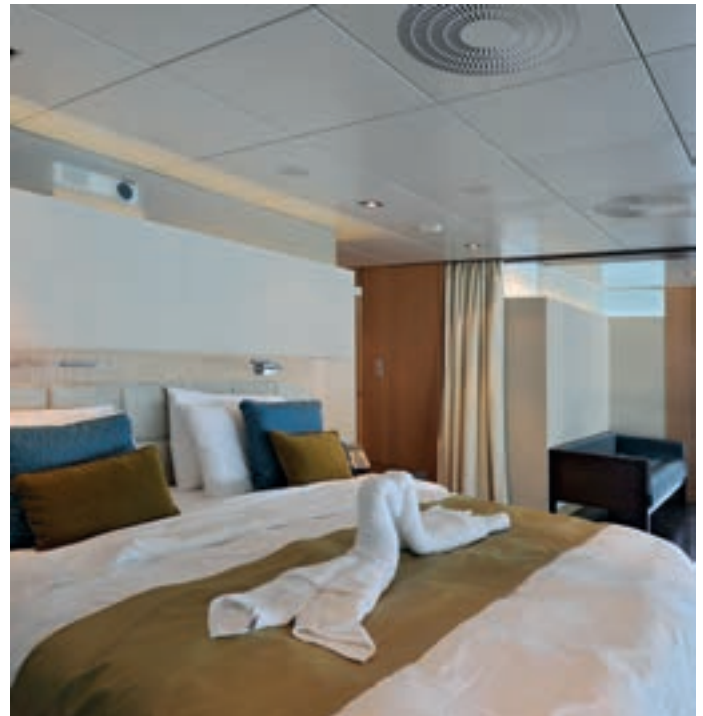
Cassette ceilings are built of modular-sized cassettes which forms uniform, even and tight surface.

Using the latest production technology, almost any cassette size is available. The most common module sizes are 600 x 600 mm and 300 x 300 mm. For passageway cassettes, the module sizes are 600 x 1,200 mm and 600 x 1,500 mm.

Lautex manufactures cassettes with several alternative standard perforations, but tailored patterns are also available.

A cassette ceiling is a good alternative as far as maintenance is concerned as any individual cassette can be removed.



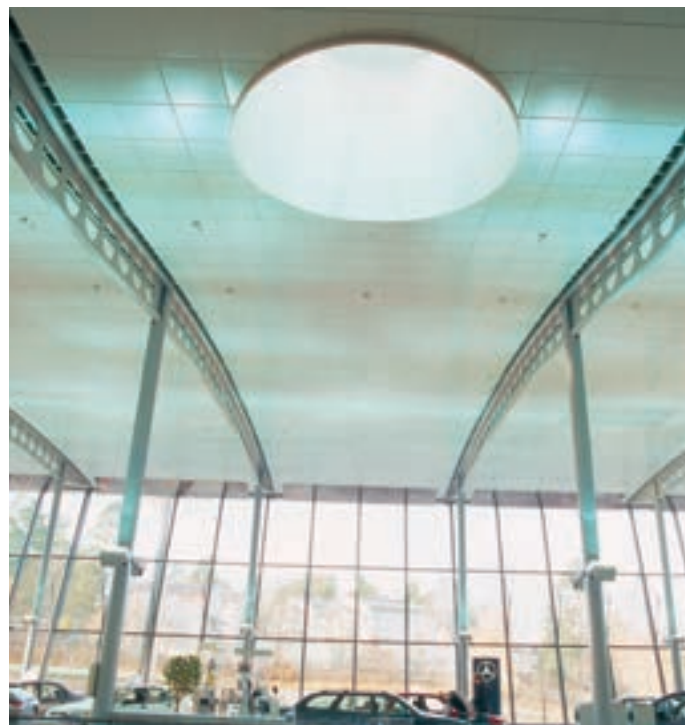


Yläkuva/picture above:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Risteilijä Color Magic / Cruiser Color Magic

Alakuva/picture under:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Autolautta Hamnavoe/ Ferry Hamnavoe

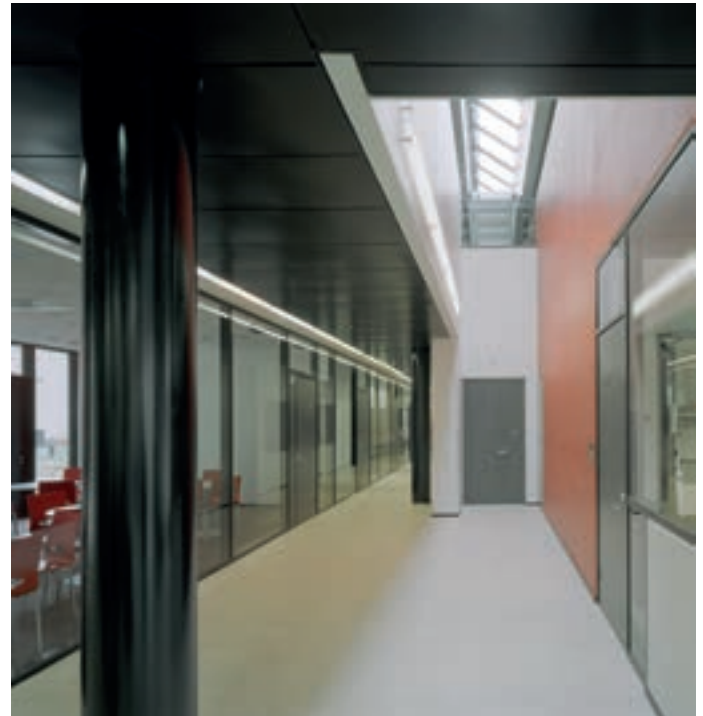
Yläkuva/picture above:
Lautex Kolmiokasetti / Triangle Cassette
Helsinki-Vantaan lentoasema /Helsinki-Vantaa Airport, terminal

Alakuva/picture under:
Lautex NLT-600/B-0 Kasetti / NLT-600/B-0 Cassette
Loistoristeilijä Oasis of the Seas / Luxury Cruiser Oasis of the Seas



Yläkuva/picture above:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Risteilijä Color Fantasy / Cruiser Color Fantasy
Alakuva/picture under:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Loistoristeilijä Oasis of the Seas / Luxury Cruiser Oasis of the Seas

Yläkuva/picture above:
Lautex TM-600 Kasetti / TM-600 Cassette
Veho
Alakuva/picture under:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Risteilijä Freedom of the Seas / Cruiser Freedom of the Seas



Yläkuva/picture above:
 Lautex NLT-600/B-0 Kasetti / NLT-600/B-0 Cassette
 Risteilijä Color Magic/ Cruiser Color Magic
Alakuva/picture under:
 Lautex TM-600 Kasetti / TM-600 Cassette
 Helsinki-Vantaan lentoasema /Helsinki-Vantaa Airport, terminal

Yläkuva/picture above:
 Lautex NJ-600/300 Kasetit + doomi / NJ-300/600 Cassettes + dome
 Risteilijä Liberty of the Seas / Cruiser Liberty of the Seas
Alakuva/picture under:
 Lautex Erikoiskasetti / Special Cassette
 Mittakeskus Mikes



Yläkuva/picture above:
Lautex NJ-300 Kasetti / NJ-600 Cassette
Risteilijä Color Magic / Cruiser Color Magic
Alakuva/picture under:
Lautex FJ-600 Kasetti / Lautex FJ-600 Cassette
Sairaala / Hospital

Yläkuva/picture above:
Lautex TM-600 Kasetti / TM-600 Cassette
Veho
Alakuva/picture under:
Lautex Erikoiskatto / Special Ceiling
Autolautta Birka Paradise / Ferry Birka Paradise



Yläkuva/picture above:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Loistoristeilijä Oasis of the Seas / Luxury Cruiser Oasis of the Seas
Alakuva/picture under:
Lautex RM-Kasetti / Lautex RM-Cassette
Museo / Museum

Yläkuva/picture above:
Lautex FL-600 Kasetti / Lautex FL-600 Cassette
Sairaala / Hospital
Alakuva/picture under:
Lautex TM-600 Kasetti / TM-600 Cassette
Nokian Tutkimuskeskus / Nokia Research Center



Yläkuva/picture above:
Lautex Kolmiokasetti / Triangle Cassette
Helsinki-Vantaan lentoasema /Helsinki-Vantaa Airport, terminal
Alakuva/picture under:
Lautex WM-600 Kasetti / WM-600 Cassette
Autolautta Finnstar / Ferry Finnstar

Yläkuva/picture above:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Risteilijä Poesia / Cruiser Poesia
Alakuva/picture under:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Risteilijä Poesia / Cruiser Poesia



Yläkuva/picture above:
Lautex Erikoiskasetti / Special Cassette
Risteilijä Color Magic/ Cruiser Color Magic
Alakuva/picture under:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Risteilijä Color Fantasy / Cruiser Color Fantasy

Yläkuva/picture above:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Risteilijä Carnival Legend / Cruiser Carnival Legend
Alakuva/picture under:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Risteilijä Carnival Legend / Cruiser Carnival Legend



Yläkuva/picture above:
Lautex Erikoiskasetti / Special Cassette
Helsinki-Vantaan lentoasema /Helsinki-Vantaa Airport, terminal
Alakuva/picture under:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Risteilijä Carnival Miracle / Cruiser Carnival Miracle

Yläkuva/picture above:
Lautex NJ-600 Kasetti + doomi / NJ-600 Cassette + dome
Autolautta / Ferry
Alakuva/picture under:
Lautex TM-600 Kasetti / TM-600 Cassette
Helsinki-Vantaan lentoasema /Helsinki-Vantaa Airport, terminal



Yläkuva/picture above:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Loistoristeilijä Oasis of the Seas / Luxury Cruiser Oasis of the Seas
Alakuva/picture under:
Lautex Erikoiskasetti / Special Cassette
Risteilijä Navigator of the Seas / Cruiser Navigator of the Seas

Yläkuva/picture above:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Risteilijä Liberty of the Seas / Cruiser Liberty of the Seas
Alakuva/picture under:
Lautex Kasettidoomi /Cassettedome
Loistoristeilijä Oasis of the Seas / Luxury Cruiser Oasis of the Seas



Yläkuva/picture above:
Lautex Kolmiokasetti / Triangle Cassette
Helsinki-Vantaan lentoasema /Helsinki-Vantaa Airport, terminal
Alakuva/picture under:
Lautex Erikoiskasetti / Special Cassette
Mittakeskus Mikes

Yläkuva/picture above:
Lautex NLT-600/B-0 Kasetti / NLT-600/B-0 Cassette
Loistoristeilijä Oasis of the Seas / Luxury Cruiser Oasis of the Seas
Alakuva/picture under:
Lautex Erikoiskasetti / Special Cassette
Outokummun toimisto / Outokumpu office



Yläkuva/picture above:
Lautex Erikoiskasetti / Special Cassette
Loistoristeilijä Oasis of the Seas / Luxury Cruiser Oasis of the Seas



Yläkuva/picture above:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Risteilijä Costa Mediterranea / Cruiser Costa Mediterranea

Etusivulla:
Yläkuva/picture above:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Risteilijä Poesia / Cruiser Poesia
Alakuva/picture under:
Lautex NJ-600 Kasetti / NJ-600 Cassette
Risteilijä Sensation / Cruiser Sensation

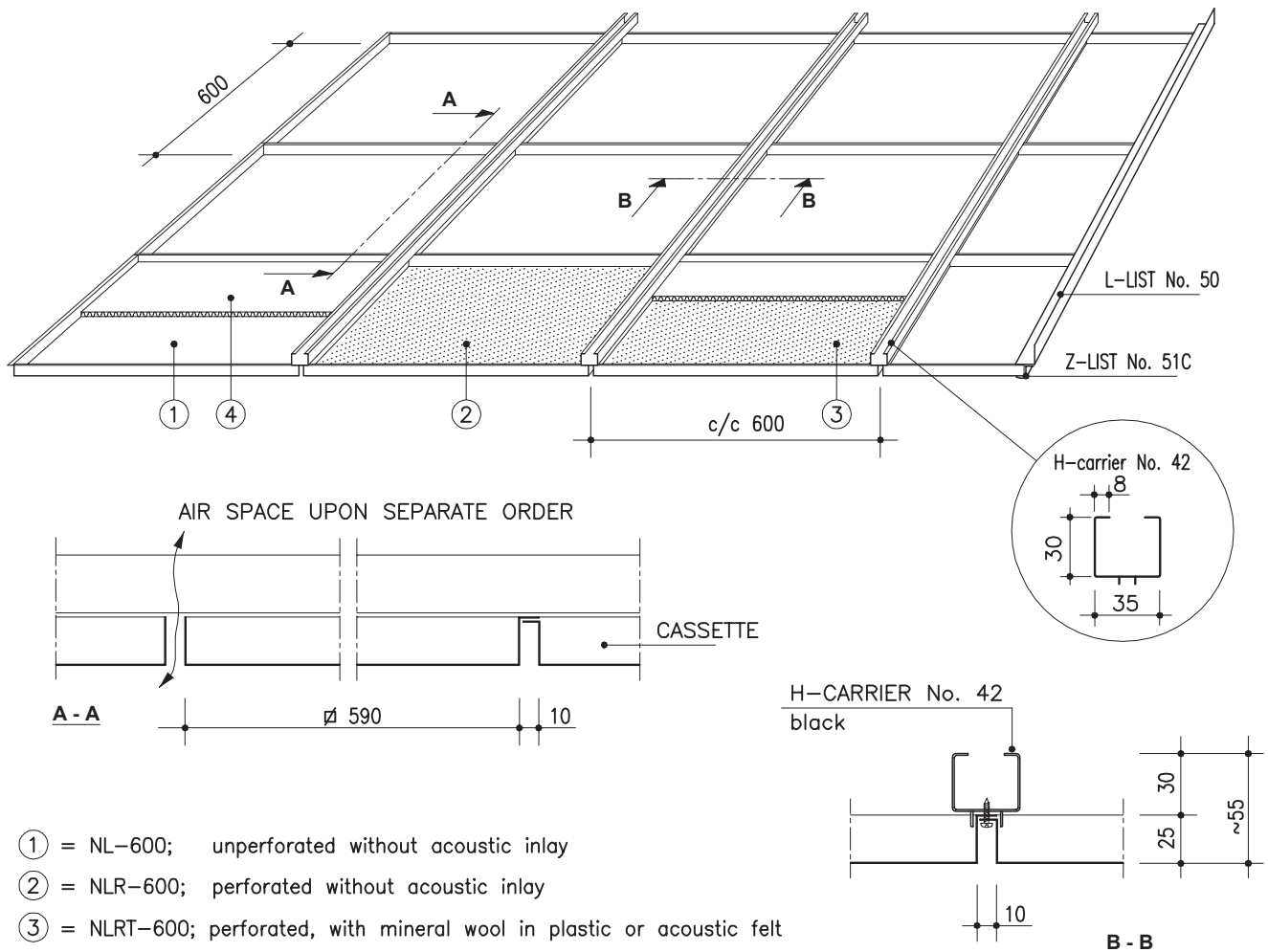
Yhteystiedot /Contact

Oy Lautex Ab

Ojakkalantie 13, FIN-03101 Nummela
FINLAND
Telephone +358 (0)9 2248 810
E-mail: sales@lautex.com
www.lautex.com



MARINE CASSETTE LAUTEX NL-600



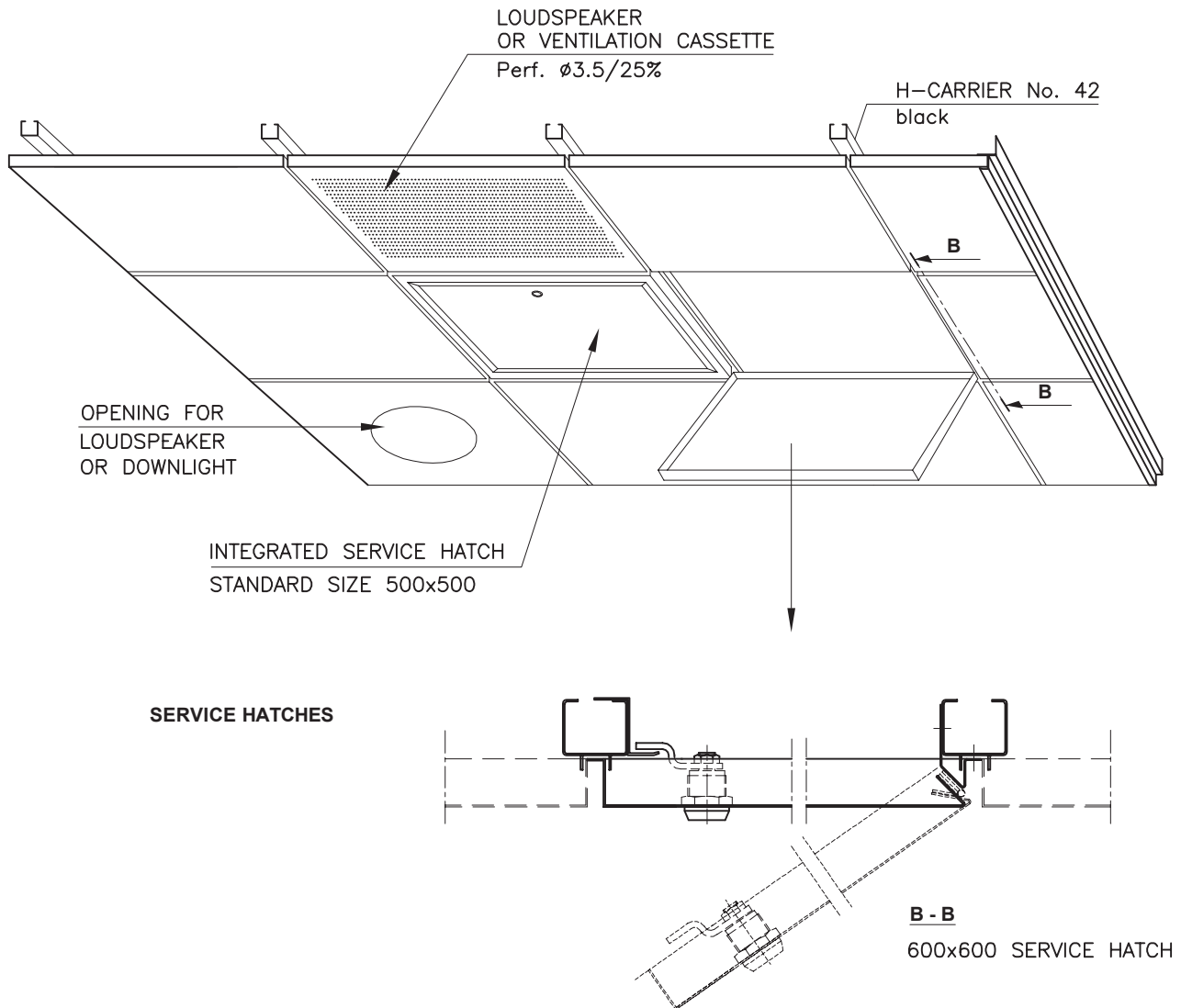
NL-600 CASSETTES / CLASSIFICATION "C"

Material	0.7 Al (0.5 Steel)
Module	600x600 mm
Height	25 mm
Perforation	Ø2.0/15% or Ø3.5/25%, other alternatives see group 6 "perforations"
Inlay	mineral wool in plastic or acoustic felt
Finish	stove enamelled (or anodized aluminium) according to any well-known colour chart
Ventilation	installation also with air space
Protective film	the surface is provided with a protective film if required
Service hatch	see overleaf
Loudspeaker	perforated cassette with Ø3.5/25% area
Suspension	see page 17 "Suspension systems for L-type cassettes"
Edge lists	see group 6 "Lautex lists" and page 21 "Lautex marine cassettes typical details"
Downlight unit	see overleaf
Other special solutions	please contact our technical information department

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE CASSETTE LAUTEX NL-600 INSTALLATION ACCESSORIES



CASSETTE CONNECTION TO WALL PLEASE SEE PAGE 21

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 42	1.8 m/m ²
L-list No. 50	0.8-1.4 m/m ²
Z-list No. 51C	0.8-1.4 m/m ²

WEIGHT OF CEILING

Cassette	NL-600	NL-600
Material	0.7 Al	0.5 Steel
Weight	2.2 Kg/m ²	4.6 Kg/m ²

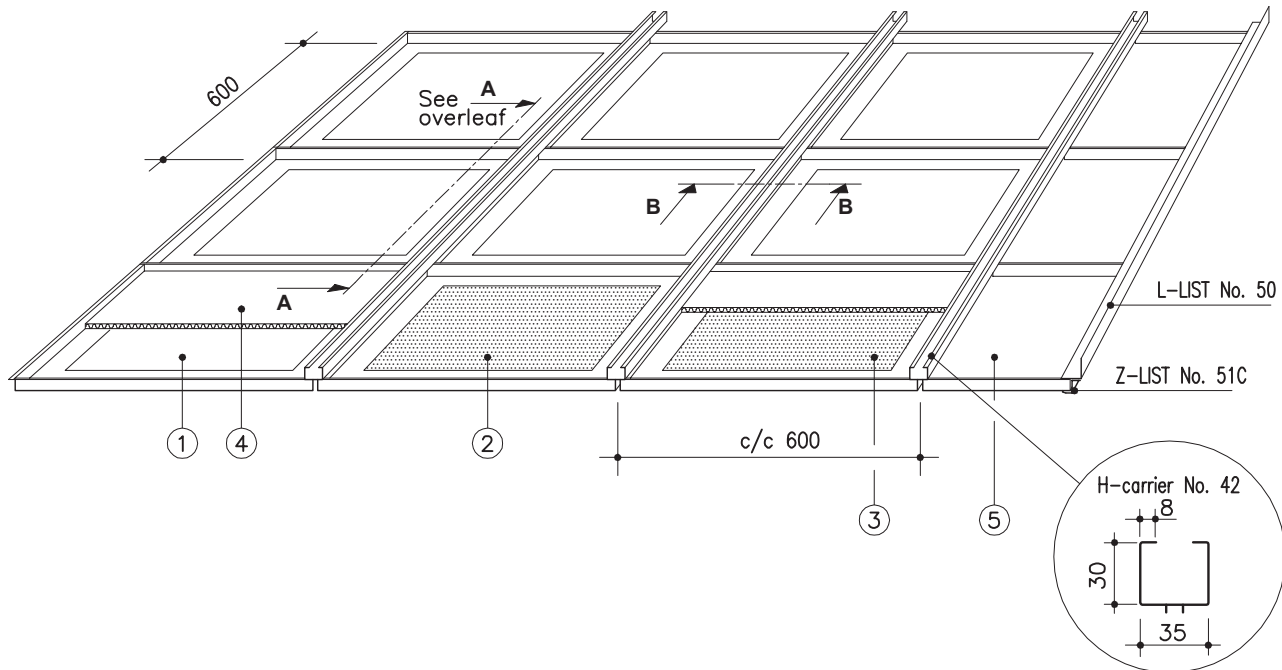
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Carrier No. 42 (1.0 Steel)	0.83 kg/m
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Z-list No. 51C (1.0 Al)	0.15 kg/m
Mineral wool in plastic	0.52 kg/m ²

Latest information: www.lautex.com

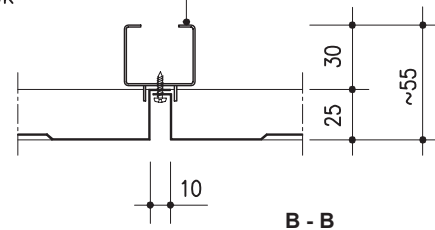
All products are subject to modifications without prior notice

MARINE CASSETTE LAUTEX FL-600



- ① = FL-600; unperforated without acoustic inlay
- ② = FLR-600; perforated without acoustic inlay
- ③ = FLRT-600; perforated, with mineral wool in plastic
- ④ = FLT-600; unperforated, with mineral wool in plastic
- ⑤ = NL-600; fitting cassette NL-600 (0.7 Al)

H-CARRIER No. 42
Black



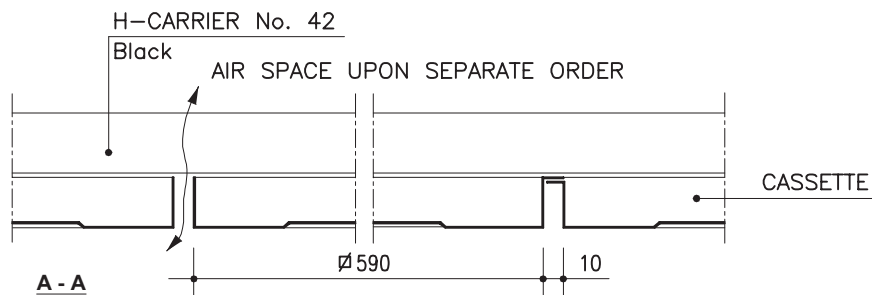
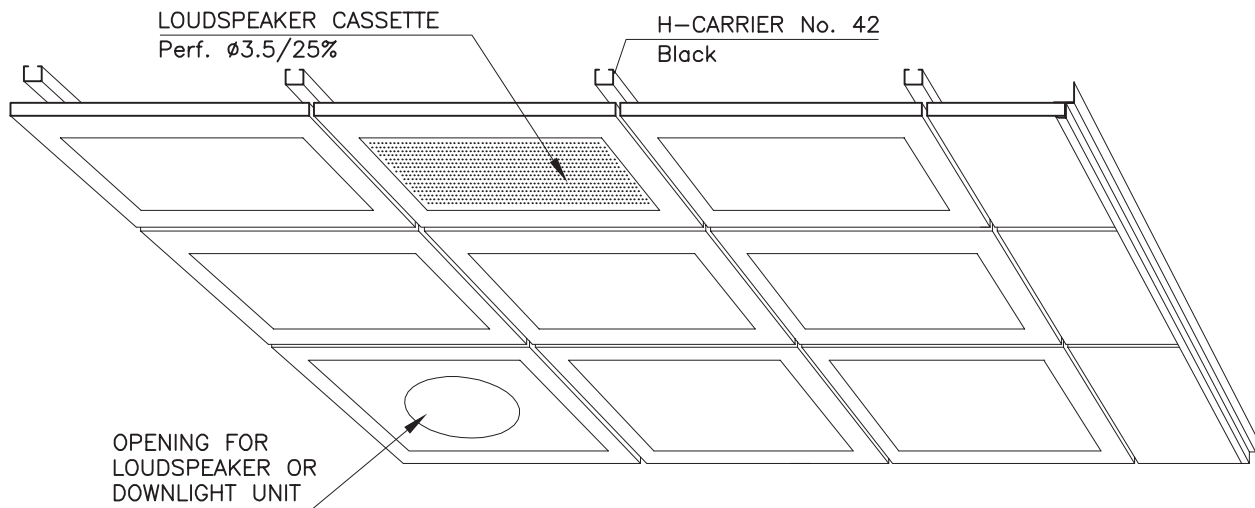
FL-600 CASSETTES / CLASSIFICATION "C"

Material	0.7 Al (0.5 Steel)
Module	600x600 mm
Height	25 mm
Perforation	ø2.0/15% or ø3.5/25% other alternatives see group 6 "perforations"
Inlay	mineral wool in plastic or acoustic felt
Finish	stove enamelled (or anodized aluminium) according to any well-known colour chart
Ventilation	installation also with air space 10mm
Protective film	the surface is provided with a protective film if required
Loudspeaker	perforated cassette with ø3.5/25% area
Edge lists	See group 6 "Lautex lists" and page 21 "Lautex marine cassettes typical details"
Downlight unit	see overleaf
Suspensions	see page 17 "Suspensions for L-type cassettes"
Other special solutions	please contact our technical information department

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE CASSETTE LAUTEX FL-600 INSTALLATION ACCESSORIES



CASSETTE CONNECTION TO WALL PLEASE SEE PAGE 21

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 42	1.8 m/m ²
Carrier locks	4 pcs/m ²
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51C	0.8 – 1.4 m/m ²

WEIGHT OF CEILING

Cassette	FL-600
Material	0.7 Al
Weight	2.2 Kg/m ²

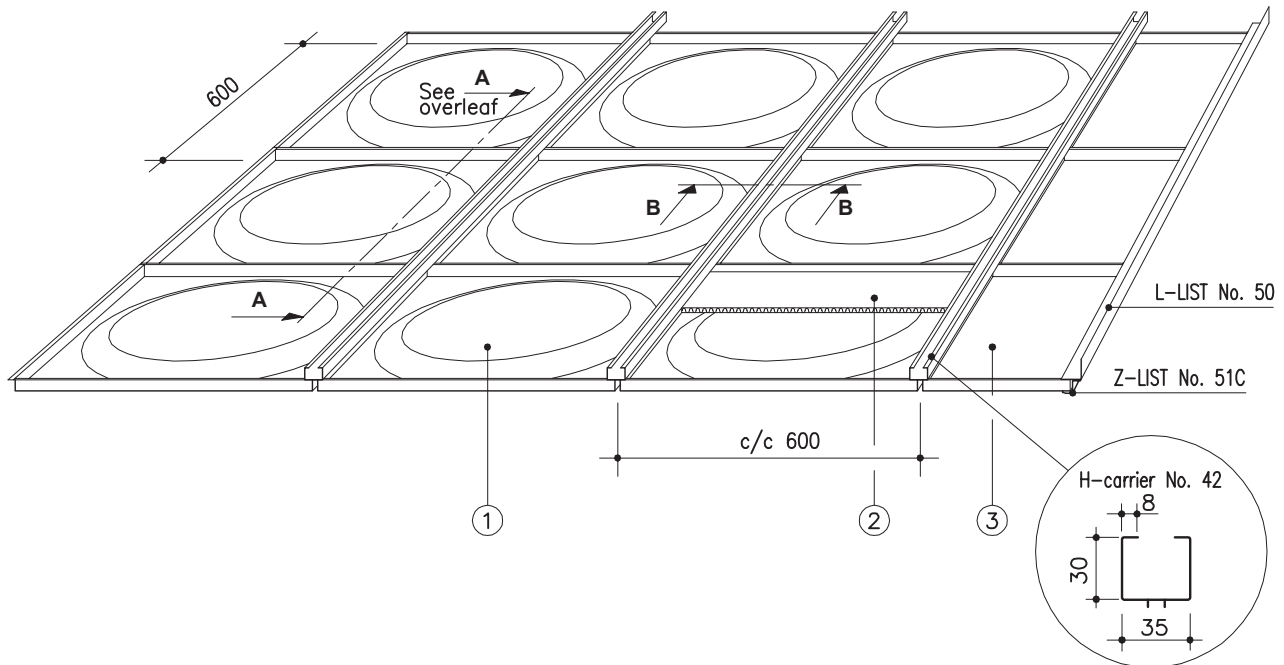
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Carrier No. 42 (1.0 Steel)	0.83 kg/m
Carrier lock No. 64 or No. 65	80 g/pcs
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Z-list No. 51C (1.0 Al)	0.15 kg/m
Mineral wool in plastic	0.52 kg/m ²

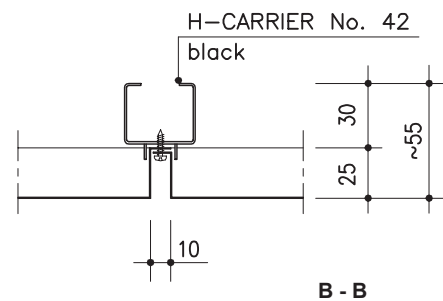
Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE CASSETTE LAUTEX WL-600



- ① = WL-600; unperforated without acoustic inlay
 ② = WLT-600; unperforated. with mineral wool in plastic
 ③ = NL-600; fitting cassette NL-600 (0.7 Al)



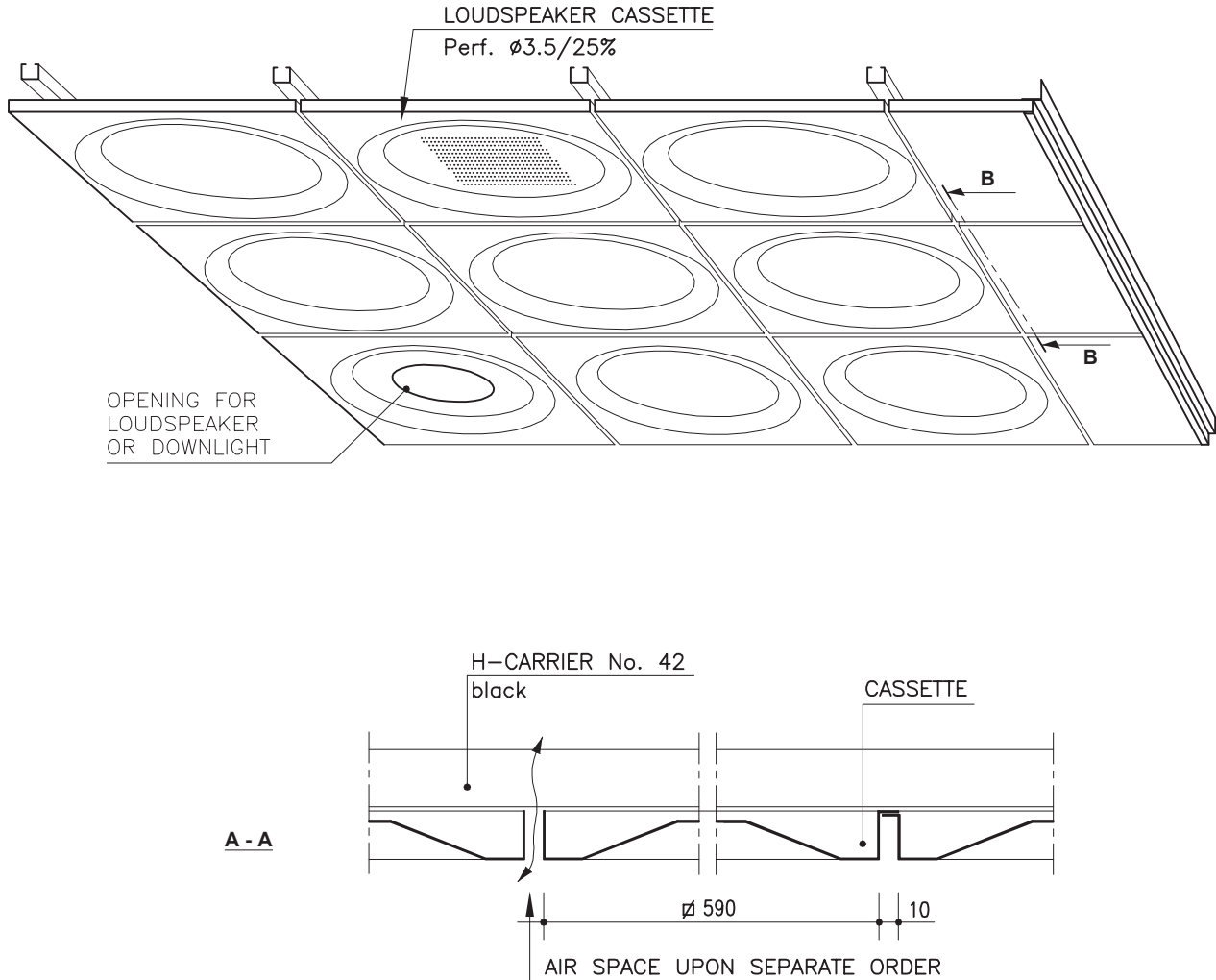
WL-600 CASSETTES / CLASSIFICATION "C"

Material	0.5 Steel
Module	600x600 mm
Height	25 mm
Perforation	none
Inlay	mineral wool in plastic
Finish	stove enamelled according to any well-known colour chart
Ventilation	installation also with air space
Protective film	the surface is provided with a protective film if required
Loudspeaker	perforated cassette with $\varnothing 3.5/25\%$, area 260x260
Downlight unit	see overleaf
Edge lists	see group 6 "Lautex lists" and page 21 "Lautex marine cassettes typical details"
Suspensions	see page 17 "Suspensions systems for L-type cassettes"
Other special solutions	please contact our technical information department

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE CASSETTE LAUTEX WL-600 INSTALLATION ACCESSORIES



CASSETTE CONNECTION TO WALL PLEASE SEE PAGE 21

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 42	1.8 m/m ²
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51C	0.8 – 1.4 m/m ²

WEIGHT OF CEILING

Cassette	WL-600
Material	0.5 Steel
Weight	4.6 Kg/m ²

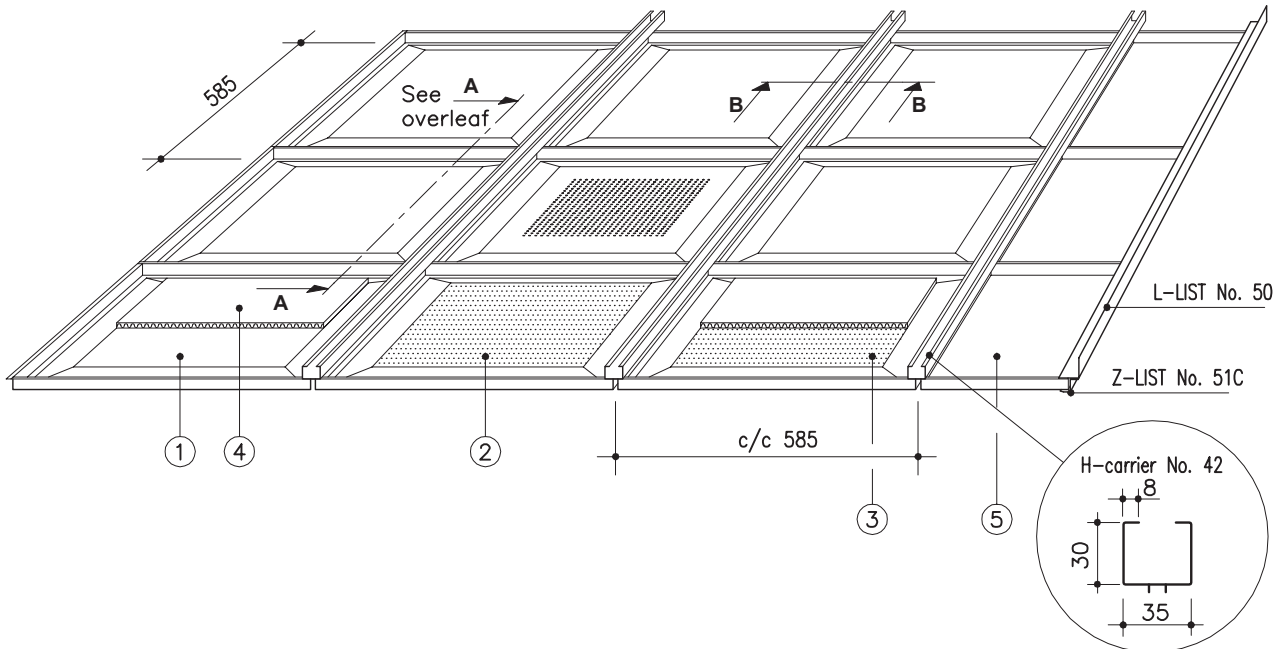
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Carrier No. 42 (1.0 Steel)	0.83 kg/m
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Z-list No. 51C (1.0 Al)	0.16 kg/m
Mineral wool in plastic	0.52 kg/m ²

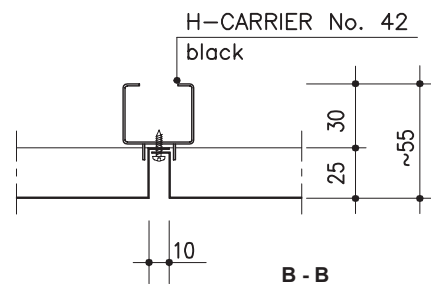
Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE CASSETTE LAUTEX RL-585



- ① = RL-585; unperforated without
- ② = RLR-585; perforated without acoustic inlay
- ③ = RLRT-585; perforated, with mineral wool in plastic
- ④ = RLT-585; unperforated, with mineral wool in plastic
- ⑤ = NL-585; fitting cassette NL-585 (0.7 Al)



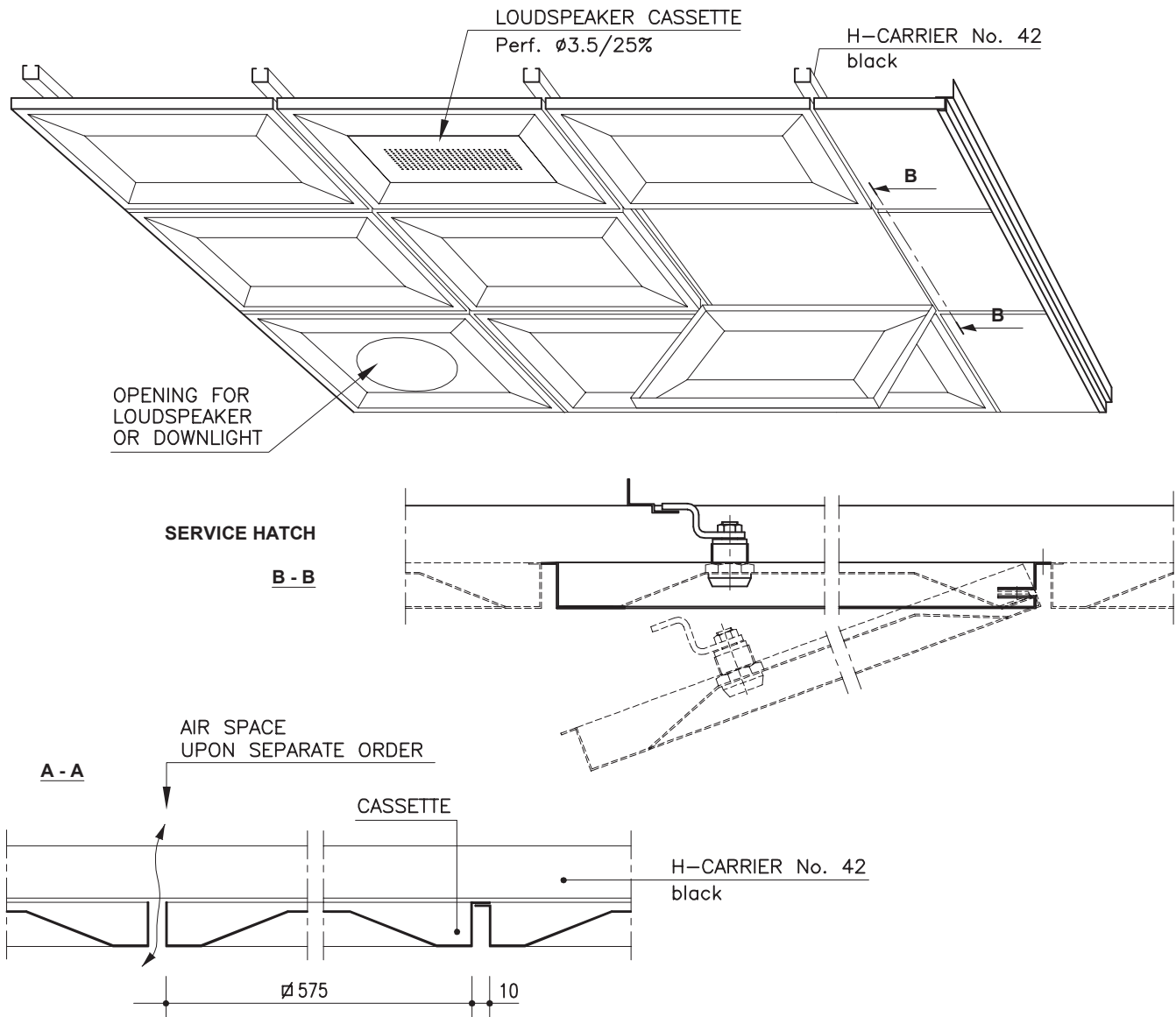
RL-585 CASSETTES / CLASSIFICATION "C"

Material	0.5 Steel
Module	585 x 585 mm
Height	25 mm
Perforation	Ø3.5 mm
Inlay	mineral wool in plastic or acoustic felt
Finish	stove enamelled according to any well-known colour chart
Ventilation	installation also with air space
Protective film	the surface is provided with a protective film if required
Service hatch	see overleaf
Loudspeaker	perforated cassette with Ø3.5/25%, middle area
Edge lists	see group 6 "Lautex lists" and page 21 "Lautex marine cassette typical details"
Downlight unit	see overleaf
Suspensions	see page 17 "Suspension systems for L-type cassettes"
Other special solutions	please contact our technical information department

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE CASSETTE LAUTEX RL-585 INSTALLATION ACCESSORIES



CASSETTE CONNECTION TO WALL PLEASE SEE PAGE 21

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 42	1.8 m/m ²
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51C	0.8 – 1.4 m/m ²

WEIGHT OF CEILING

Cassette	RL-585
Material	0.5 Steel
Weight	4.4 Kg/m ²

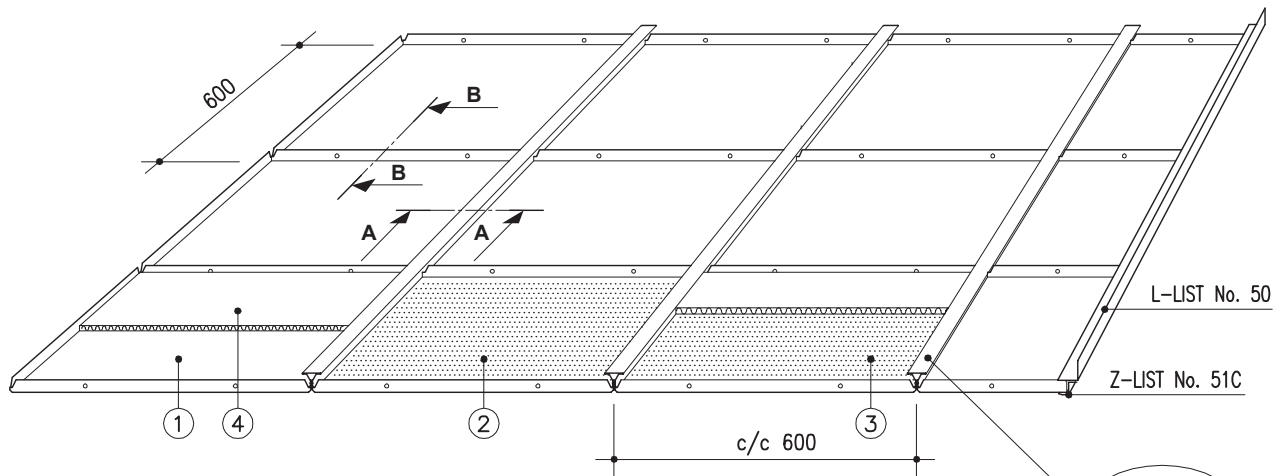
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Carrier No. 42 (1.0 Steel)	0.83 kg/m
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Z-list No. 51C (1.0 Al)	0.15 kg/m
Mineral wool in plastic	0.52 kg/m ²

Latest information: www.lautex.com

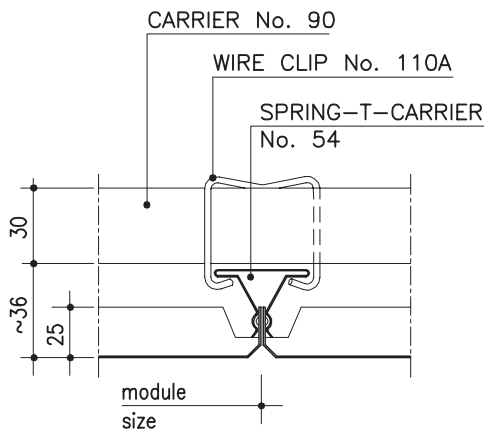
All products are subject to modifications without prior notice

MARINE CASSETTE LAUTEX NJ-600, -500 AND -300



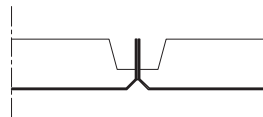
SECTION A - A (ALT. 1)

INSTALLATION WITHOUT AIR SPACE



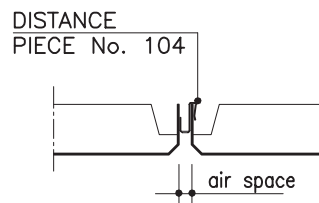
SECTION B - B (ALT. 1)

INSTALLATION WITHOUT AIR SPACE



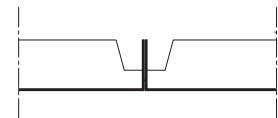
SECTION B - B (ALT. 2)

INSTALLATION WITH AIR SPACE

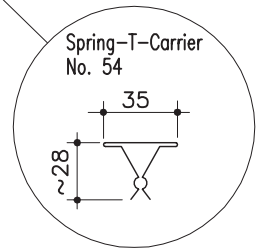


SECTION B - B (ALT. 3)

CASSETTES WITH SHARP EDGES



Also with sharp edges; must be specified when order



NJ-600 CASSETTES / CLASSIFICATION "C"

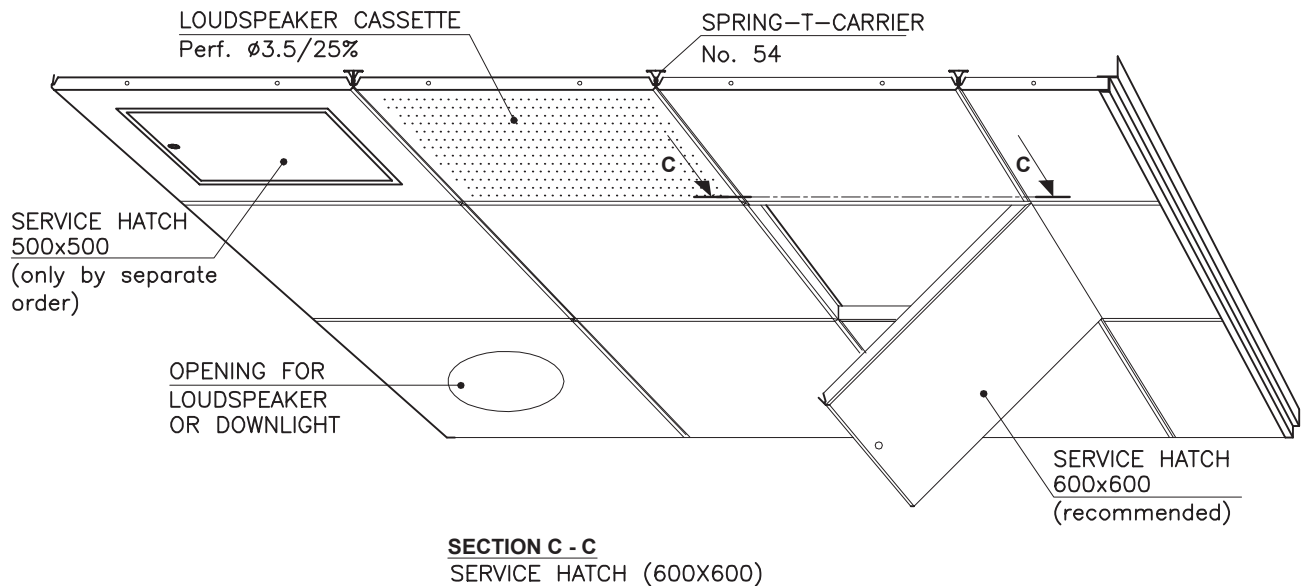
Material	0.7 Al, (0.5 Steel)
Module	600x600 mm, 500x500 mm and 300x300 mm
Height	25 mm
Perforation	ø2.0/15% or ø3.5/25%, other alternatives, see group 6 "perforations"
Inlay	mineral wool in plastic or acoustic felt
Finish	stove enamelled (or anodized) according to any well-known colour chart
Ventilation	installation with air space
Protective film	the surface is provided with a protective film if required
Service hatch	see overleaf
Loudspeaker	perforated cassette with ø3.5/25%
Downlight unit	see overleaf
Suspensions	see page 17 & 18 "Suspension systems for J-type cassettes"
Edge lists	see group 6 "Lautex lists" and page 21 "Lautex marine cassettes typical details"
Other special solutions	please contact our technical information department

- ① = NJ-600; unperforated without acoustic inlay
- ② = NJR-600; perforated without acoustic inlay
- ③ = NJRT-600; perforated, with mineral wool in plastic or acoustic felt
- ④ = NJT-600; unperforated, with mineral wool in plastic

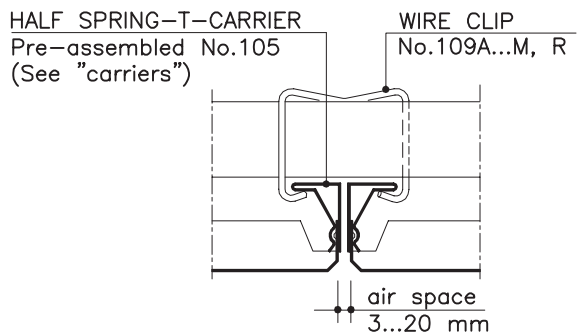
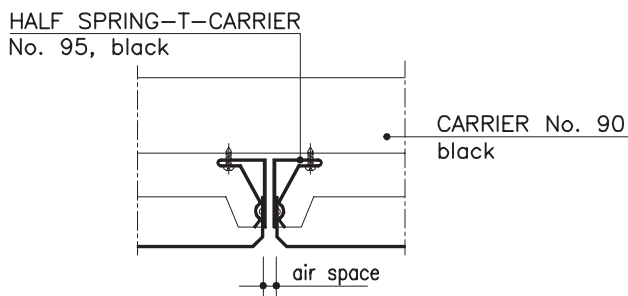
Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE CASSETTE LAUTEX NJ-600, -500 AND -300 INSTALLATION ACCESSORIES



SECTION A - A (ALT. 2) INSTALLATION WITH AIR SPACE AROUND THE CASSETTES



CASSETTE CONNECTION TO WALL PLEASE SEE PAGE 21

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 90	1.6 m/m ²
Carrier locks	4 pcs/m ²
Z-list No. 51C	0.8 - 1.4 m/m ²
L-list No. 50	0.8 - 1.4 m/m ²
Spring-T-carrier No. 54	1.8 m/m ² NJ-600 2.0 m/m ² NJ-500 4.0 m/m ² NJ-300
Wire clip No. 110	2 pcs/m ² NJ-600
Screw	4 pcs/m ² NJ-600
Wire clip No. 110	2 pcs/m ² NJ-500
Screw	4 pcs/m ² NJ-500
Wire clip No. 110	3 pcs/m ² NJ-300
Screw	6 pcs/m ² NJ-300

WEIGHT OF CEILING

Cassette	NJ-600	NJ-500	NJ-300
Material	0.7 Al	0.7 Al	0.7 Al
Weight	2.1 Kg/m ²	2.2 Kg/m ²	2.6 Kg/m ²

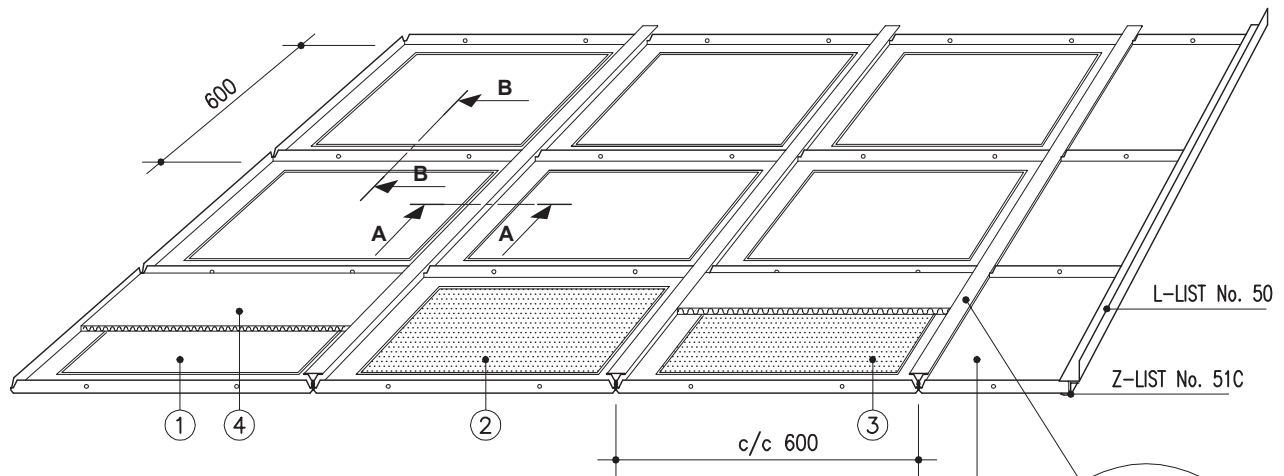
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Carrier No. 90 (1.0 Steel)	0.83 kg/m
Carrier locks	0.80 g/pcs
Z-list No. 51C (1.0 Al)	0.15 kg/m
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Spring-T-carrier (0.5 Steel)	0.44 kg/m
Mineral wool in plastic	0.52 kg/m ²

Latest information: www.lautex.com

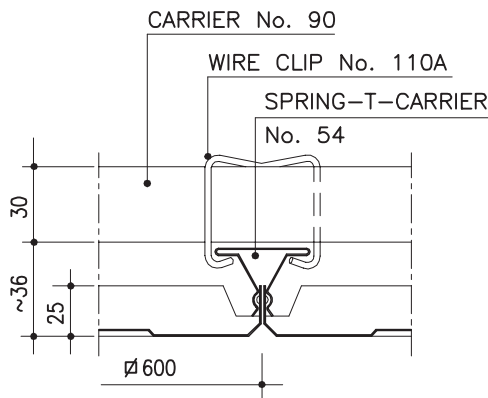
All products are subject to modifications without prior notice

MARINE CASSETTE LAUTEX FJ-600



SECTION A - A (ALT. 1)

INSTALLATION WITHOUT AIR SPACE



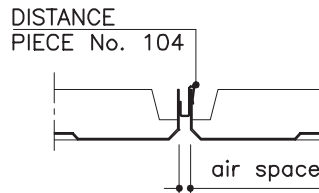
SECTION B - B (ALT. 1)

INSTALLATION WITHOUT AIR SPACE



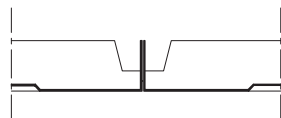
SECTION B - B (ALT. 2)

INSTALLATION WITH AIR SPACE



SECTION B - B (ALT. 3)

CASSETTES WITH SHARP EDGES



Also with sharp edges; must be specified when order

FJ-600 CASSETTES / CLASSIFICATION "C"

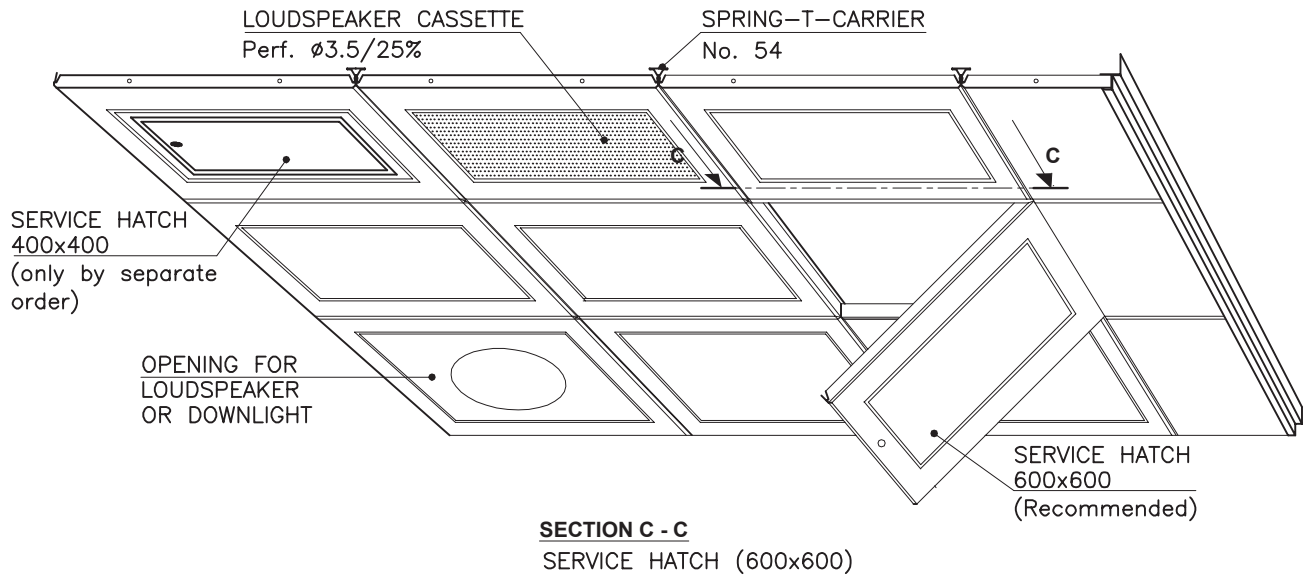
Material	0.7 Al (0.5 Steel)
Module	600x600 mm
Height	25 mm
Perforation	Ø2.0/15% or Ø3.5/25%, other alternatives, see group 6 "perforations"
Inlay	mineral wool in plastic or acoustic felt
Finish	stove enamelled (or anodized aluminium) according to any well-known colour chart
Ventilation	installation also with air space
Protective film	the surface is provided with a protective film if required
Service hatch	see overleaf
Loudspeaker	perforated cassette with Ø3.5/25%
Edge lists	see group 6 "Lautex lists" and page 21 "Lautex marine cassettes typical details"
Downlight unit	see overleaf
Suspensions	see page 18 & 19 "suspensions systems for J-type cassettes"
Other special solutions	please contact our technical information department

- ① = FJ-600; unperforated without acoustic inlay
- ② = FJR-600; perforated without acoustic inlay
- ③ = FJRT-600; perforated, with mineral wool in plastic or acoustic felt
- ④ = FJT-600; unperforated, with mineral wool in plastic
- ⑤ = NJ-600; fitting cassette NJ-600 (0.7 Al)

Latest information: www.lautex.com

All products are subject to modifications without prior notice

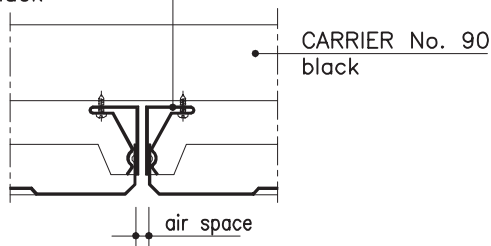
MARINE CASSETTE LAUTEX FJ-600 INSTALLATION ACCESSORIES



SECTION A - A (ALT. 2)

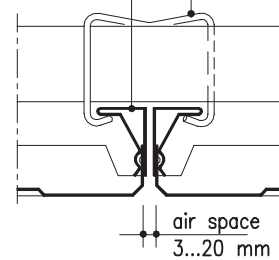
INSTALLATION WITH AIR SPACE
AROUND THE CASSETTES

HALF SPRING-T-CARRIER
No. 95, black



HALF SPRING-T-CARRIER
Pre-assembled No.105
(See "carriers")

WIRE CLIP
No.109A...M, R



CASSETTE CONNECTION TO WALL PLEASE SEE PAGE 21

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 90	1.6 m/m ²
Carrier locks	4 pcs/m ²
Z-list No. 51C	0.8 - 1.4 m/m ²
L-list No. 50	0.8 - 1.4 m/m ²
Spring-T-carrier No. 54	1.8 m/m ²
Wire clip No. 110	2 pcs/m ²
Screw	4 pcs/m ²

WEIGHT OF CEILING

Cassette	FJ-600	
Material	0.7 Al	0.6 Fe
Weight	2.1 Kg/m ²	5.3 Kg/m

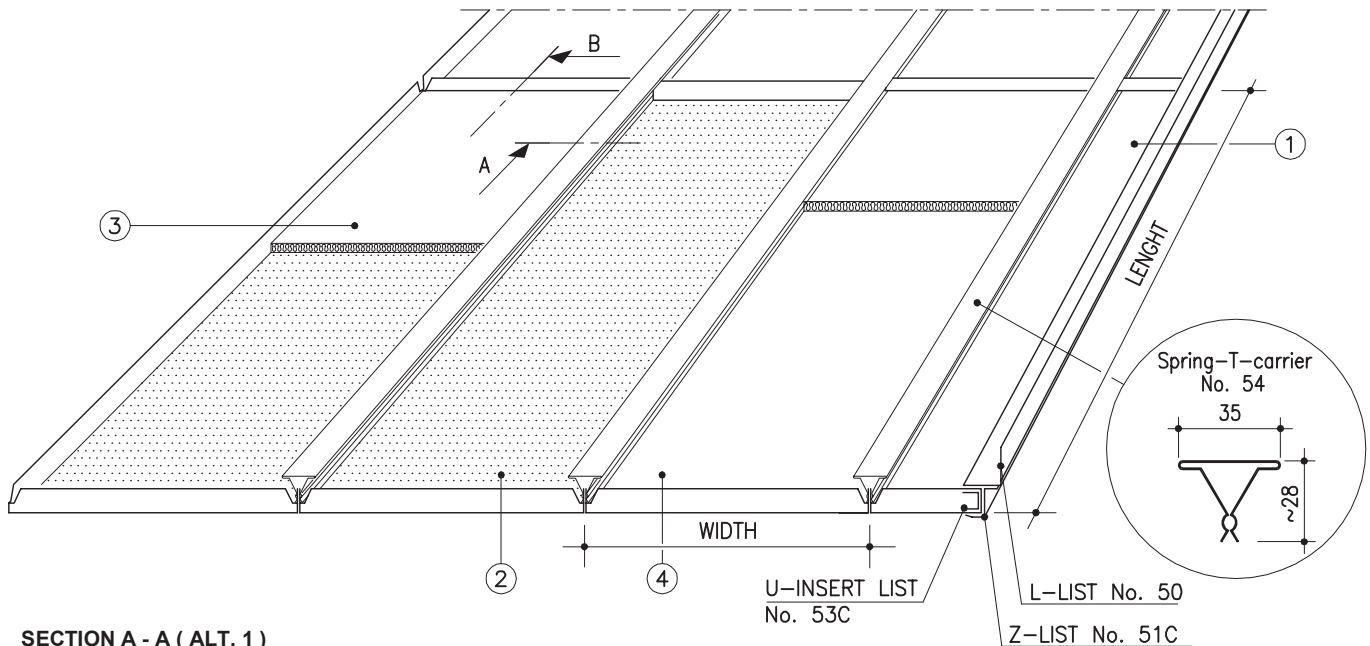
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Carrier No. 90 (1.0 Steel)	0.83 kg/m
Carrier locks	0.80 g/pcs
Z-list No. 51C (1.0 Al)	0.15 kg/m
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Spring-T-carrier (0.5 Steel)	0.44 kg/m
Mineral wool in plastic	0.52 kg/m ²

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE CASSETTE TJ-TYPE



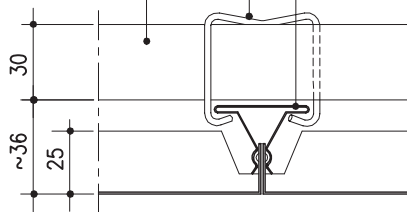
SECTION A - A (ALT. 1)

INSTALLATION WITHOUT AIR SPACE

SPRING-T-CARRIER No. 54

WIRE CLIP No. 110A

CARRIER No. 90



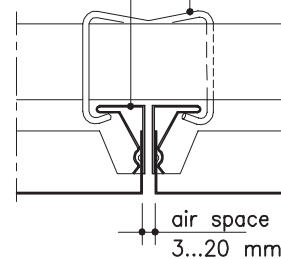
SECTION A - A (ALT. 2)

INSTALLATION WITH AIR SPACE

HALF SPRING-T-CARRIER
Pre-assembled No.105
(See "carriers")

WIRE CLIP

No.109A...M, R

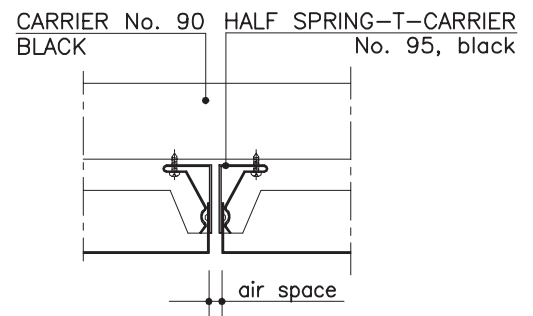


TJ-300 CASSETTES/ CLASSIFICATION "C"

Material	0.7 Al	1.0 Al
Width	300 – 400 mm	500 – 600 mm
Height	25 mm	
Length	max 4000 mm	
Perforation	Ø2.0/15%, other alternatives see group 6 "perforations"	
Inlay	mineral wool in plastic or acoustic felt	
Finish	stove enamelled (or anodized) any well-known colour chart	
Protective film	the surface is provided with a protective film if required	
Ventilation	installation also with air space	
Special shapes	according to order	
Service hatch	see overleaf	
Loudspeaker	area perforation Ø3.5/25%	
Edge lists	see group 6 "Lautex lists" and page 21 "Lautex marine cassettes typical details"	
Downlight unit	see page 2	
Suspensions	see "Suspension systems for J-type cassettes" (page 18 & 19)	
Other special solutions	please contact our technical information department	

Latest information: www.lautex.com

All products are subject to modifications without prior notice



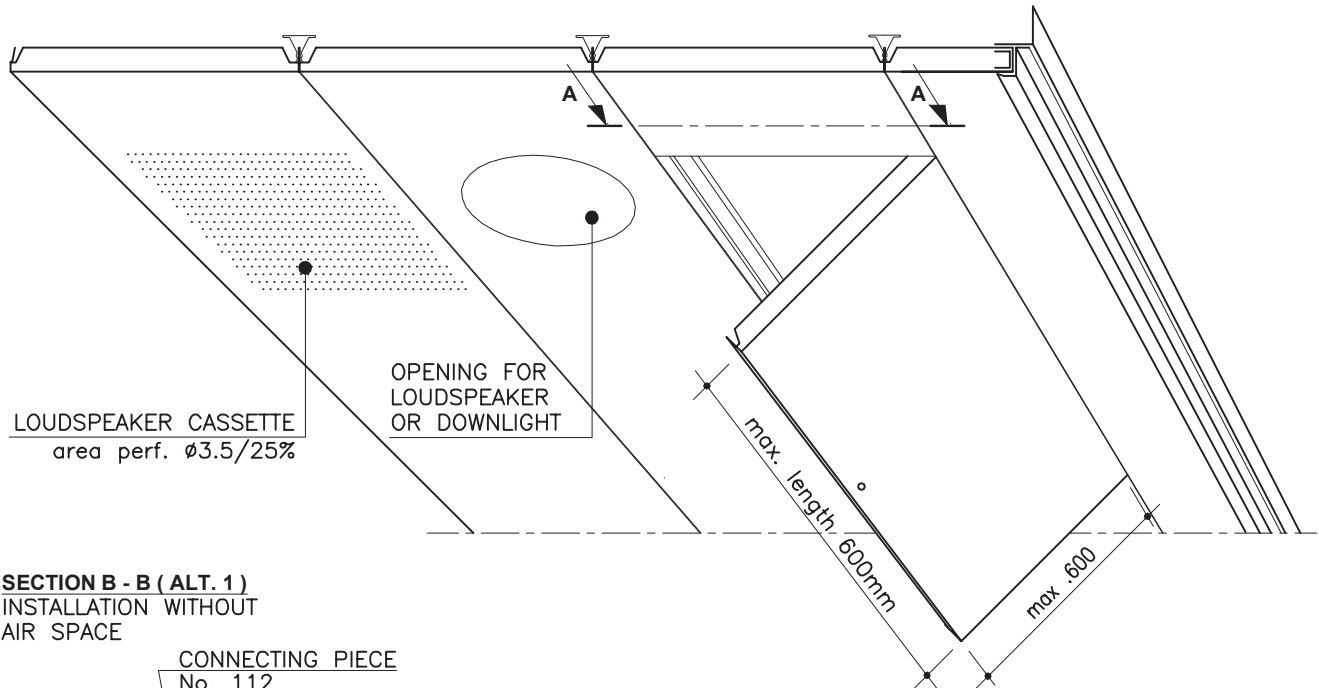
① = TJ; unperforated without
acoustic inlay

② = TJR; perforated

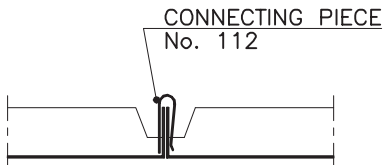
③ = TJRT; perforated and mineral
wool in plastic

④ = TJT; unperforated and mineral
wool in plastic

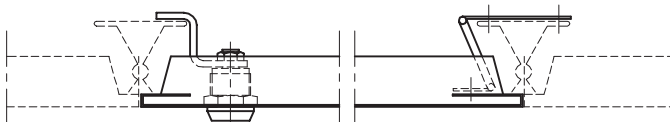
MARINE CASSETTE TJ-TYPE INSTALLATION ACCESSORIES



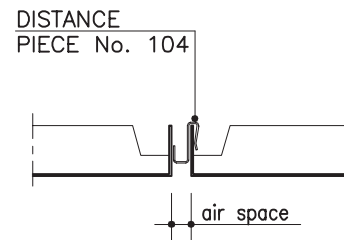
SECTION B - B (ALT. 1)
INSTALLATION WITHOUT
AIR SPACE



SECTION A - A, SERVICE HATCH



SECTION B - B (ALT. 2)
INSTALLATION WITH AIR SPACE



CASSETTE CONNECTION TO WALL PLEASE SEE PAGE 21

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 90	1.6 m/m ²
Carrier locks	4 pcs/m ²
Z-list No. 51C	0.8-1.4 m/m ²
L-list No. 50	0.8-1.4 m/m ²
Spring-T-carrier No. 54	1.8 m/m ²
Wire clip No. 110A	3 pcs/m ²
Screw	6 pcs/m ²

WEIGHT OF CEILING

Cassette	TJ-300	
Material	0.7 Al	1.0 Al
Weight	2.2 Kg/m ²	3.1 Kg/m

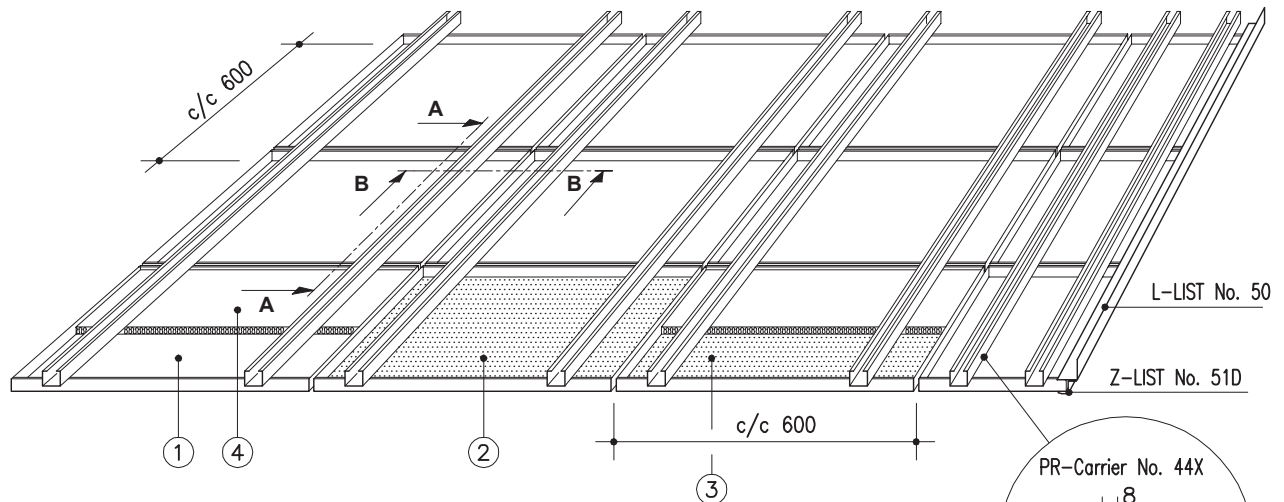
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Carrier No. 90 (1.0 Steel)	0.83 kg/m
Carrier locks	80 g/pcs
Z-list No. 51C (1.0 Al)	0.15 kg/m
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Spring-T-carrier (0.5 Steel)	0.44 kg/m
Mineral wool in plastic	0.52 kg/m ²

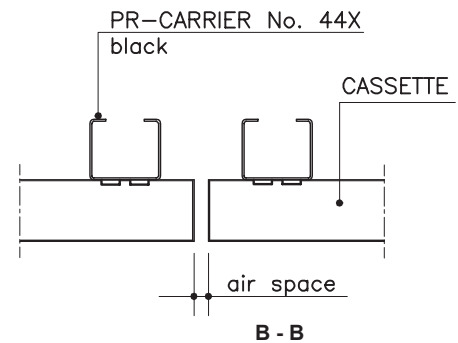
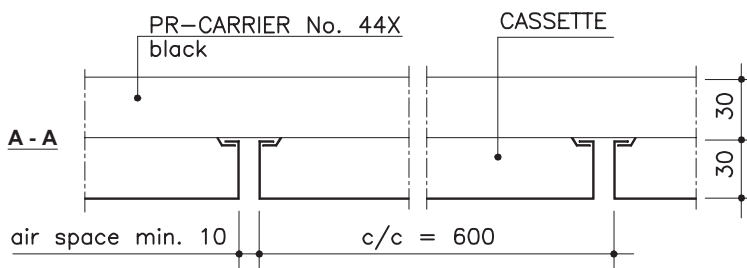
Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE CASSETTE LAUTEX PR-U 600



INSTALLATION WITH AIR SPACE AROUND THE CASSETTES



- ① = PR-U 600; unperforated without acoustic inlay
- ② = PR-UR 600; perforated without acoustic inlay
- ③ = PR-URT 600; perforated, with mineral wool in plastic
- ④ = PR-UT 600; unperforated, with mineral wool in plastic

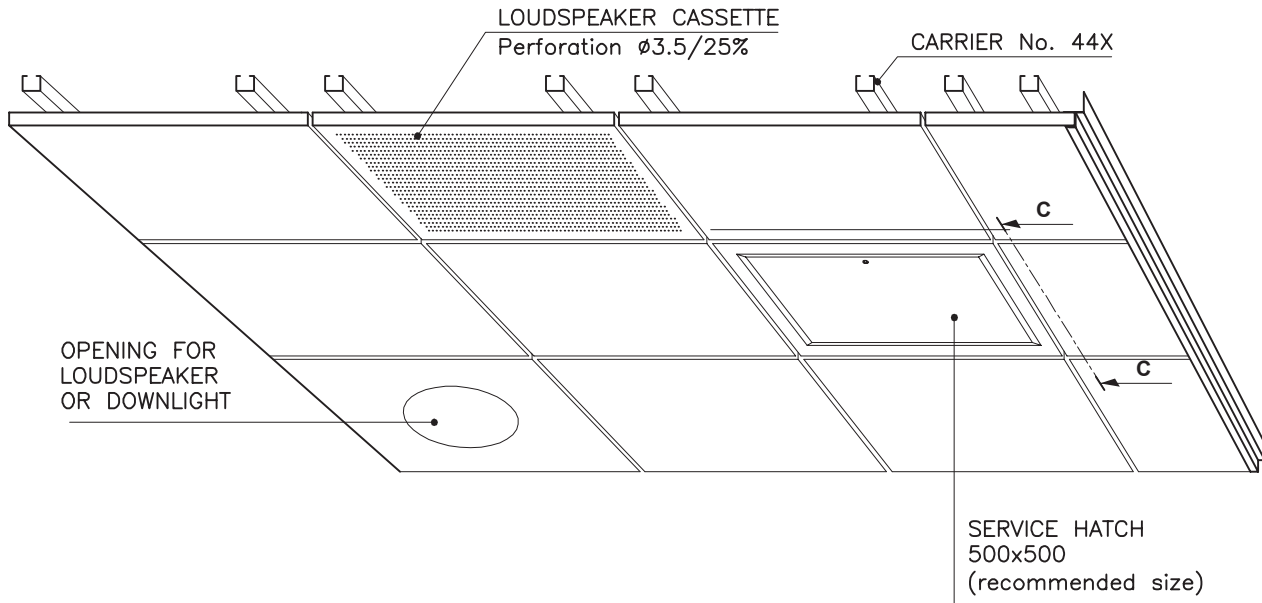
PR-U 600 CASSETTES / CLASSIFICATION "C"

Material	0.7 Al (0.5 Steel)
Module	600x600 mm or according to order
Height	30 mm
Perforation	Ø2.0/15% or Ø3.5/25%, other alternatives see group 6 "perforations"
Inlay	mineral wool in plastic or acoustic felt
Finish	stove enamelled (or anodized aluminium) according to any well-known colour chart
Ventilation	installation with air space
Protective film	the surface is provided with a protective film if required
Service hatch	see overleaf
Loudspeaker	perforated cassette with Ø3.5/25% area
Edge lists	see group 6 "Lautex lists" and page 21 "Lautex marine cassettes typical details"
Suspensions	see page 20 "Suspensions systems for U-type cassettes"
downlight unit	see overleaf
Other special solutions	please contact our technical information department

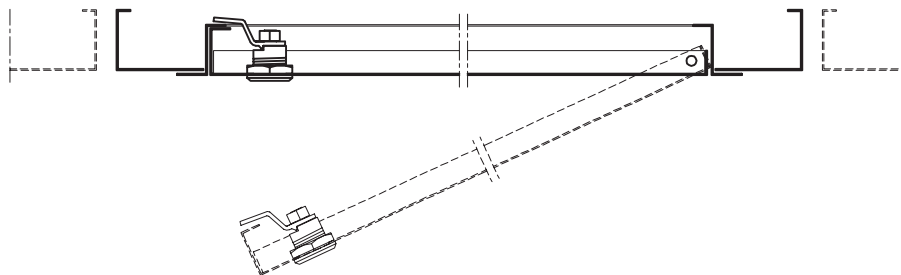
Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE CASSETTE LAUTEX PR-U 600 INSTALLATION ACCESSORIES



SECTION C - C
SERVICE HATCH, 500x500



CASSETTE CONNECTION TO WALL PLEASE SEE PAGE 21

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 44X	3.3 m/m ²
L-list No. 50	0.8–1.4 m/m ²
Z-list No. 51D	0.8–1.4 m/m ²

WEIGHT OF CEILING

Cassette	PR-U 600	
Material	0.7 Al	0.5 Steel
Weight	2.2 Kg/m ²	4.5 Kg/m ²

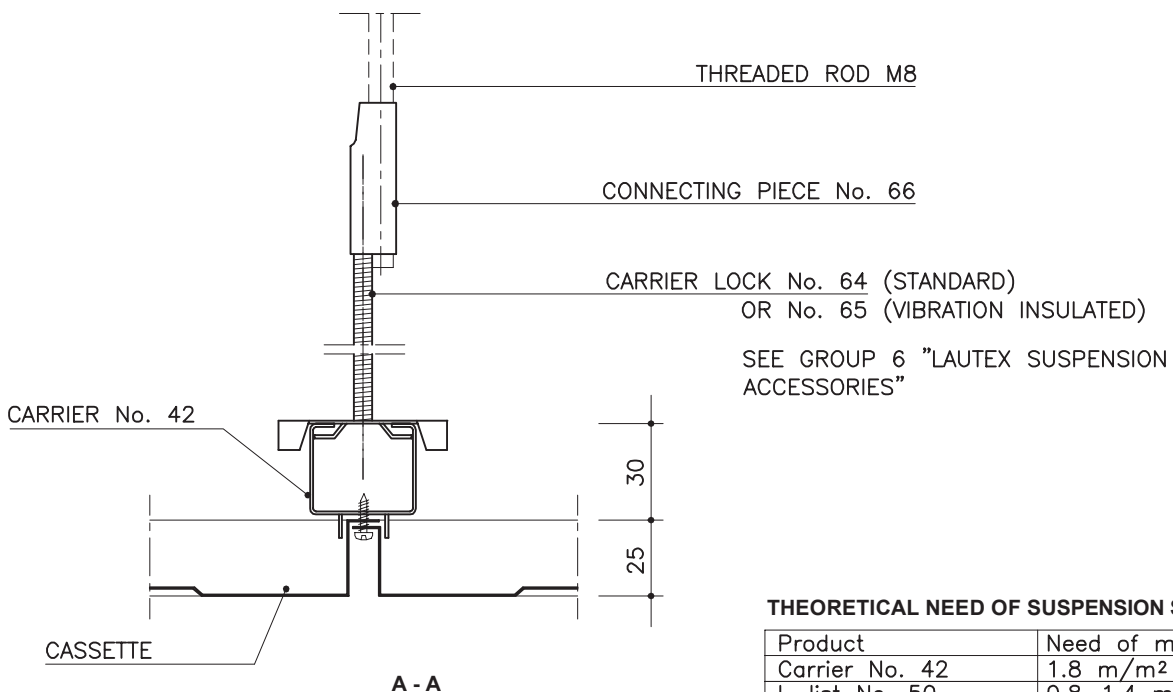
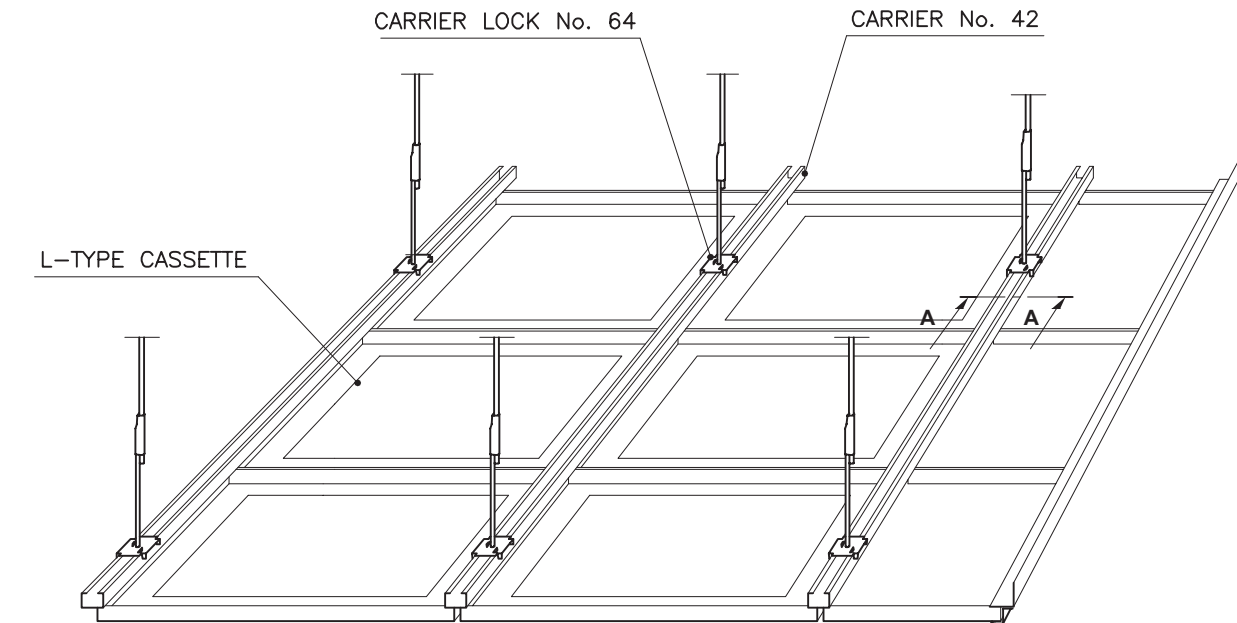
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Carrier No. 44X (1.0 Steel)	0.83 kg/m
L-list No. 50 or 83 (1.5 Al)	0.32 kg/m
L-list No. 50 or 83 (1.0 steel)	0.62 kg/m
Z-list No. 51D (1.0 Al)	0.18 kg/m
Mineral wool in plastic	0.52 kg/m ²

Latest information: www.lautex.com

All products are subject to modifications without prior notice

LAUTEX SUSPENSION SYSTEMS FOR L-TYPE CASSETTES

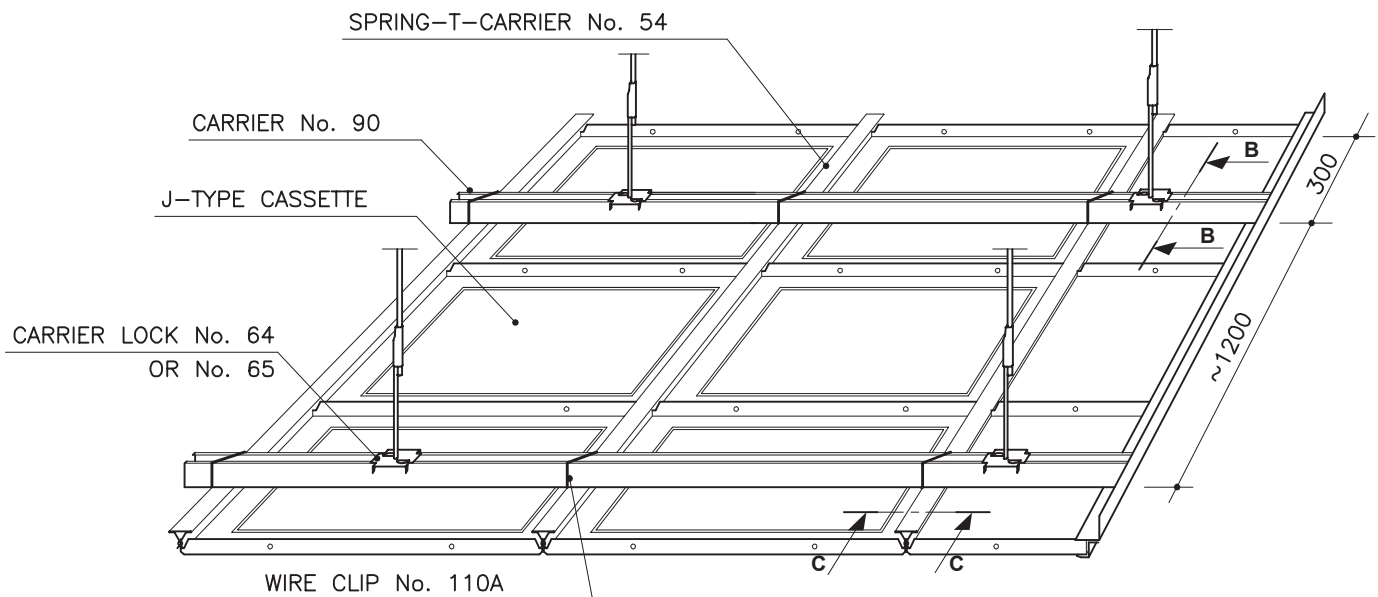


THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 42	1.8 m/m ²
L-list No. 50	0.8–1.4 m/m ²
Z-list No. 51C	0.8–1.4 m/m ²
Carrier locks	4 pcs/m ²

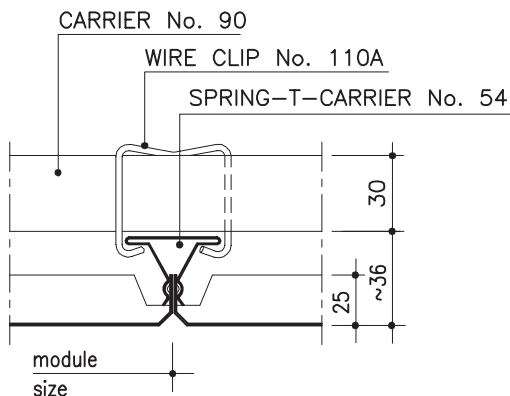
Latest information: www.lautex.com

All products are subject to modifications without prior notice



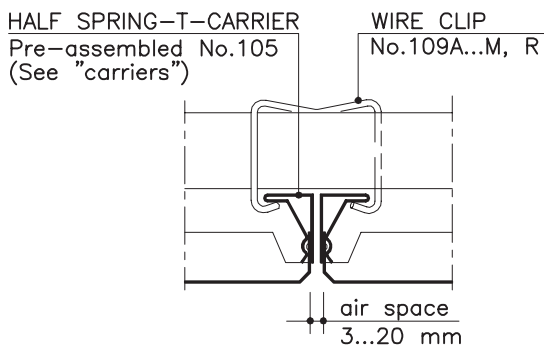
C - C (ALT. 1)

INSTALLATION WITHOUT AIR SPACE

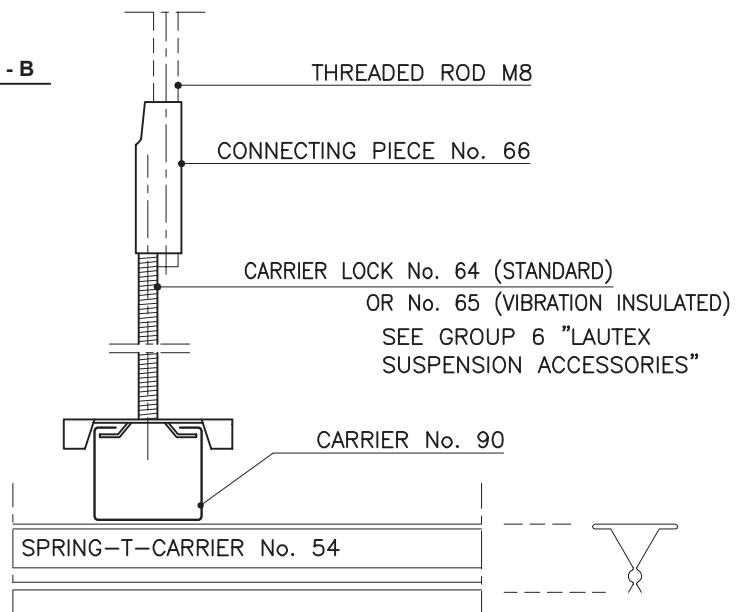


C - C (ALT. 2)

INSTALLATION WITH AIR SPACE



B - B



THEORETICAL NEED OF SUSPENSION STRUCTURES

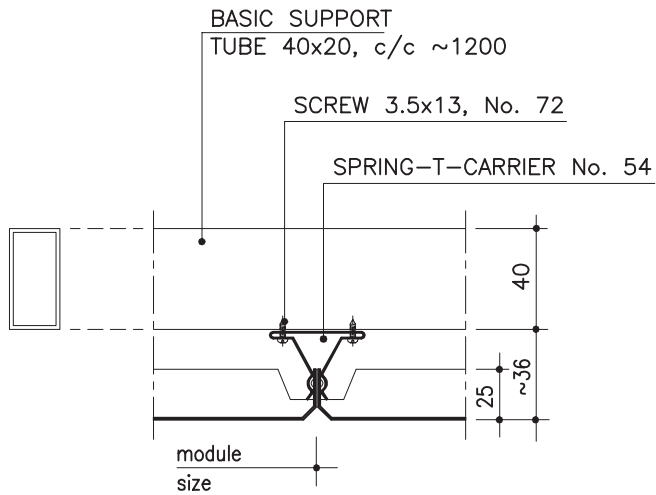
Product	Need of material
Carrier No.90	1.6 m/m ²
Carrier locks	4 pcs/m ²
Z-list No.51C	0.8 - 1.4 m/m ²
L-list No.50	0.8 - 1.4 m/m ²
Spring-T-carrier No. 54 (module size 600x600)	1.8 m/m ²
Wire clip No. 110	4 pcs/m ²

Latest information: www.lautex.com

All products are subject to modifications without prior notice

LAUTEX SUSPENSION SYSTEMS FOR J-TYPE CASSETTES

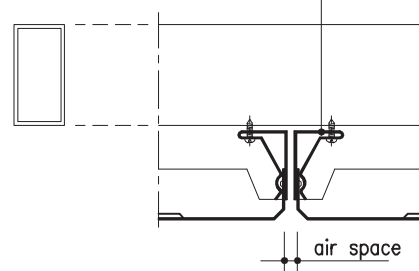
PAGE 2/2



C - C

- SCREW FASTENING TO
BASIC SUPPORT TUBES

PRE-ASSEMBLED
2x **HALF SPRING-T-CARRIER**
No. 105 (see "carriers")



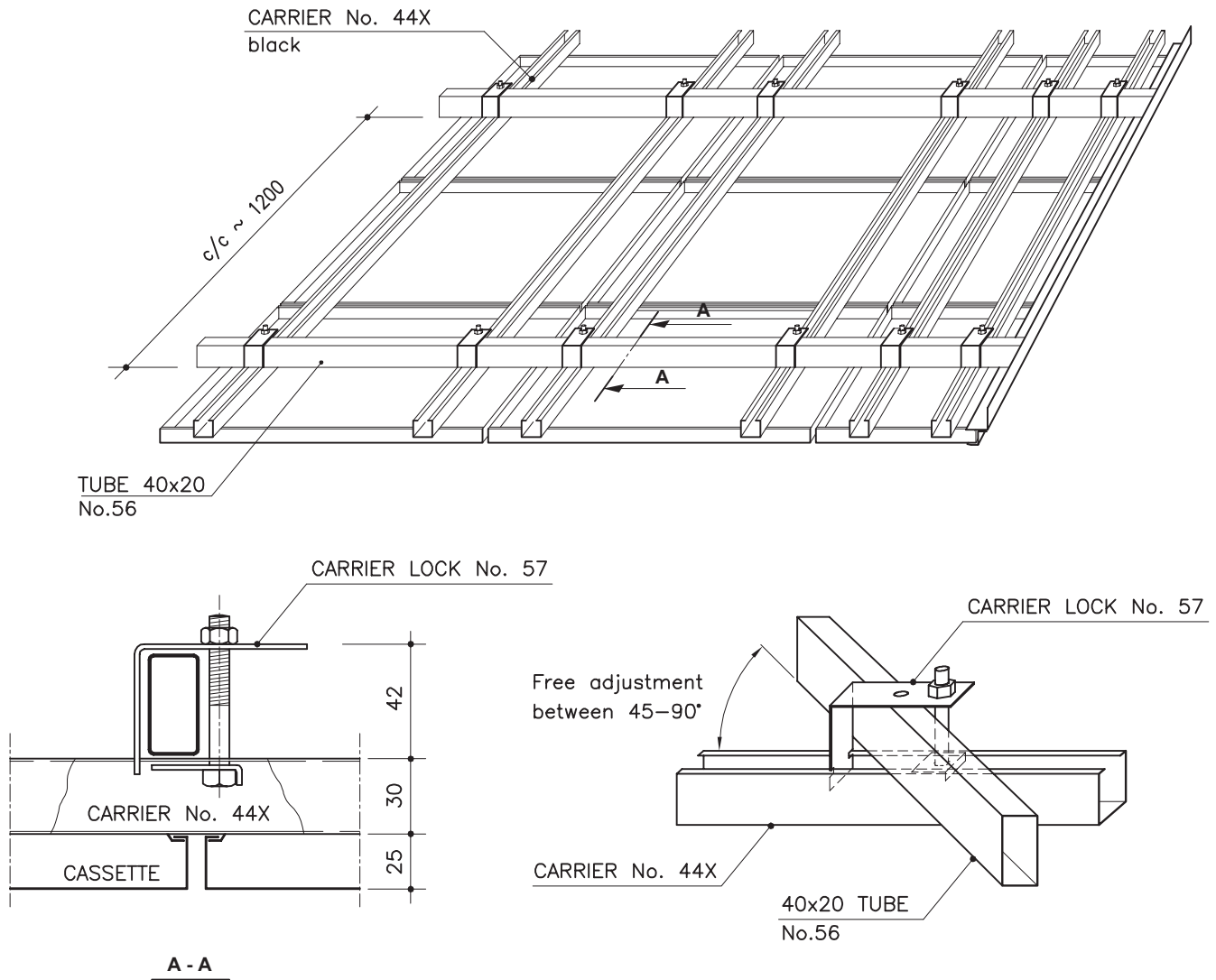
C - C

- SCREW FASTENING TO
BASIC SUPPORT TUBES
- PRE-ASSEMBLED
HALF SPRING-T-CARRIERS

Latest information: www.lautex.com

All products are subject to modifications without prior notice

LAUTEX SUSPENSION SYSTEMS FOR PR-U TYPE CASSETTES



THEORETICAL NEED OF SUSPENSION STRUCTURES

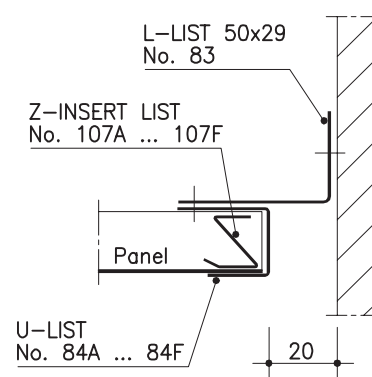
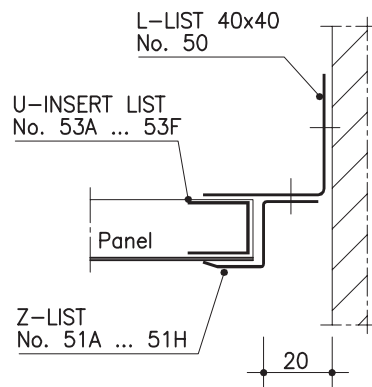
Product	Need of material
Carrier No. 44X	3.3 m/m ²
L-list No. 50	0.8-1.4 m/m ²
Z-list No. 51D	0.8-1.4 m/m ²
Carrier locks No. 57	6 pcs/m ²

Latest information: www.lautex.com

All products are subject to modifications without prior notice

LAUTEX MARINE CASSETTES, TYPICAL DETAILS

CONNECTION TO WALL:



Latest information: www.lautex.com

All products are subject to modifications without prior notice

Lautex Ritilät/Gratings

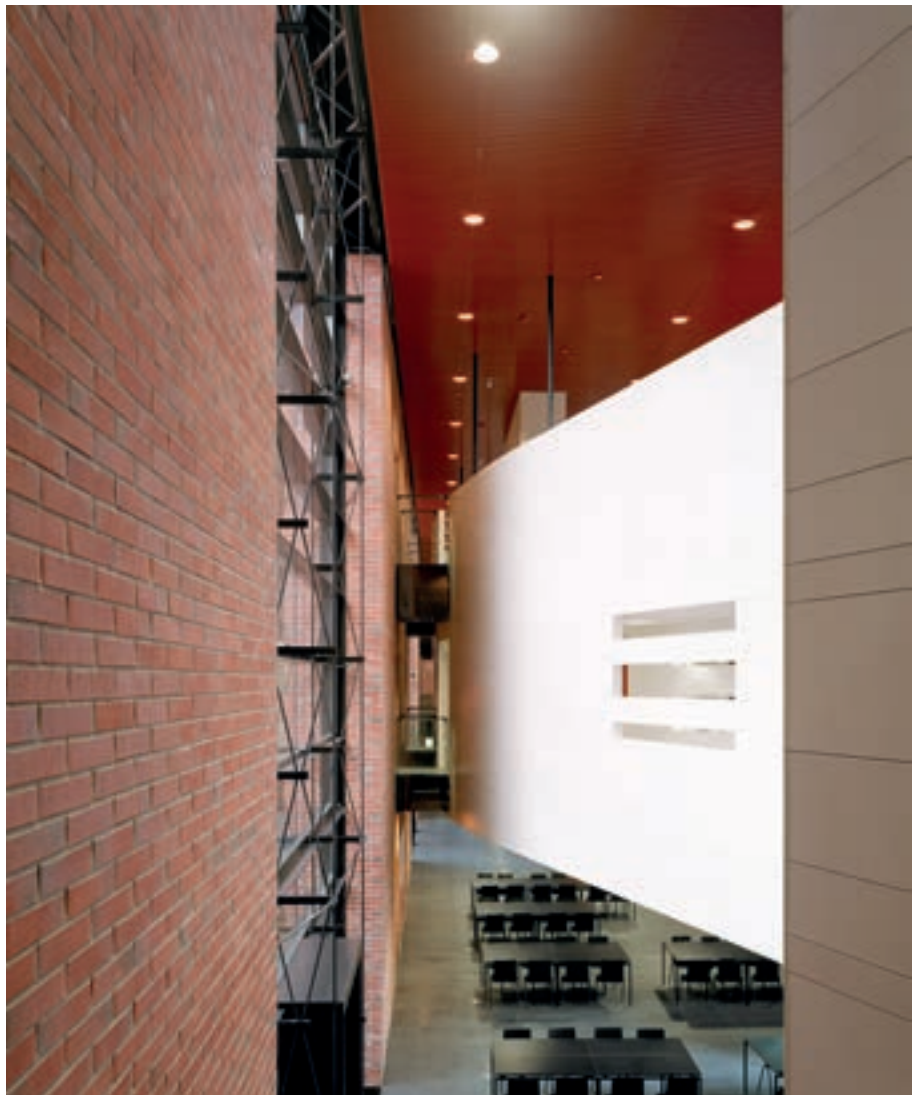
Ritiläkatto on ilmava, huoneen korkeutta jakava elementti. Ritiläkaton koko pinta on käytettävissä esimerkiksi ilmanvaihdon tarpeisiin. Tulo- ja poistoilman jakajat sekä sprinklerit voidaan jättää ritiläkaton yläpuolelle.

Kattoritilöiden vakiokoot ovat 600 x 600 mm ja 600 x 1200 mm, ja tarvittaessa asiakkaan mittojen mukaan. Ruutukoko on valittavissa 25 x 25 mm – 200 x 200 mm, ja ritilän rivan korkeus ruutukoon mukaan 25 – 100 mm.

Lautex Gratings

Grating ceilings are spacious elements that vertically divide the room. Gratings allow the utilisation of the entire surface area of the ceiling for air conditioning purposes, for example. Openings for supply and exhaust air as well as sprinklers can be concealed above the grating ceiling.

Module sizes for gratings are 600 x 600 mm and 600 x 1,200 mm, cell sizes varies from 25 x 25 mm to 200 x 200 mm and height according to cell size, 25–100 mm, optional sizes are also available.





Yläkuva/picture above:
Lautex WT-ritilä / WT-grating,
Ideapark liikekeskus / Shopping Mall Ideapark

Alakuva/picture under:
Lautex WT-ritilä / WT-grating
Ideapark liikekeskus / Shopping Mall Ideapark

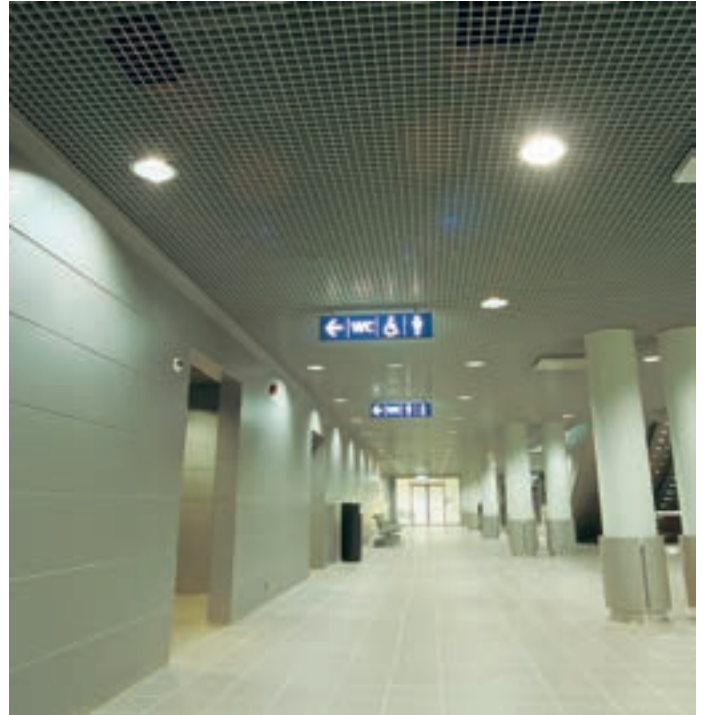
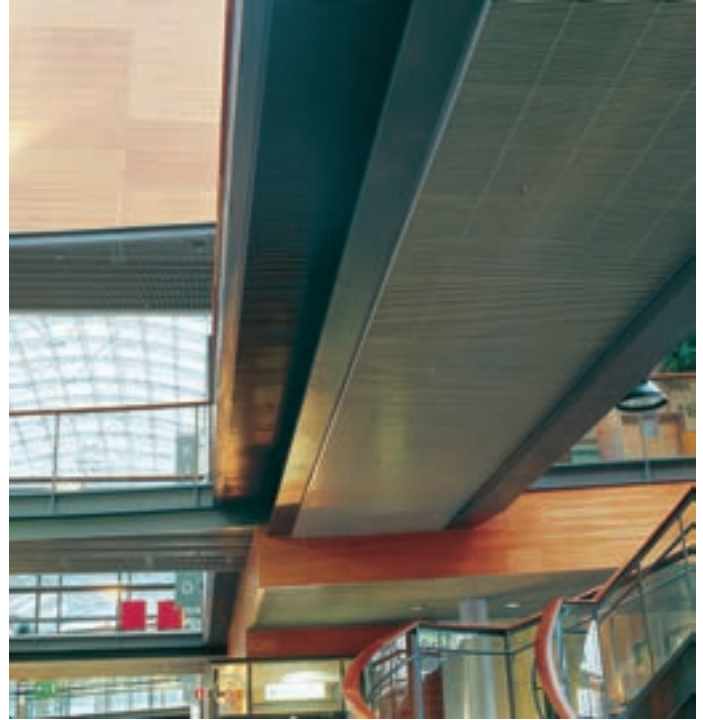
Yläkuva/picture above:
Lautex WT-ritilä / WT-grating,
Ideapark liikekeskus / Shopping Mall Ideapark

Alakuva/picture under:
Lautex WT-ritilä / WT-grating
Ideapark liikekeskus / Shopping Mall Ideapark



Yläkuva/picture above:
Lautex WT-ritilä / WT-grating,
Ideapark liikekeskus / Shopping Mall Ideapark
Alakuva/picture under:
Lautex WT-ritilä / WT-grating
Ideapark liikekeskus / Shopping Mall Ideapark

Yläkuva/picture above:
Lautex WT-ritilä / WT-grating,
Ideapark liikekeskus / Shopping Mall Ideapark
Alakuva/picture under:
Lautex WT-ritilä / WT-grating
Ideapark liikekeskus / Shopping Mall Ideapark

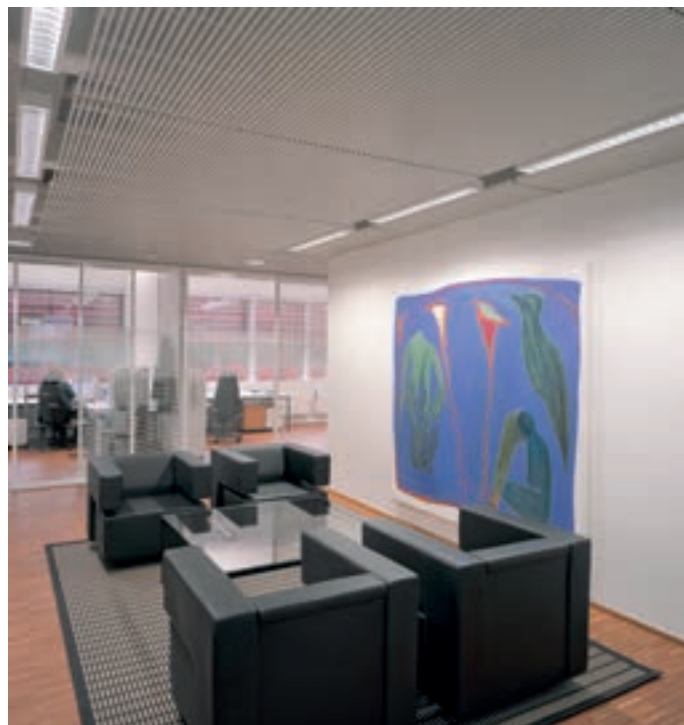


Yläkuva/picture above:
Lautex WS-käytäväritilä / WS-corridorgrating
Toimistotalo Mittakeskus / Office Building Mikes

Alakuva/picture under:
Lautex WH-ritilä / WH-grating
Stockmann Oulu / Stockmann Oulu

Yläkuva/picture above:
Lautex WS-ritilä / WS-grating
Iso-Omena liikekeskus / Shopping center Iso-Omena

Alakuva/picture under:
Lautex W-ritilä / W-grating
Helsinki-Vantaa lentokenttä / Helsinki-Vantaa Airport

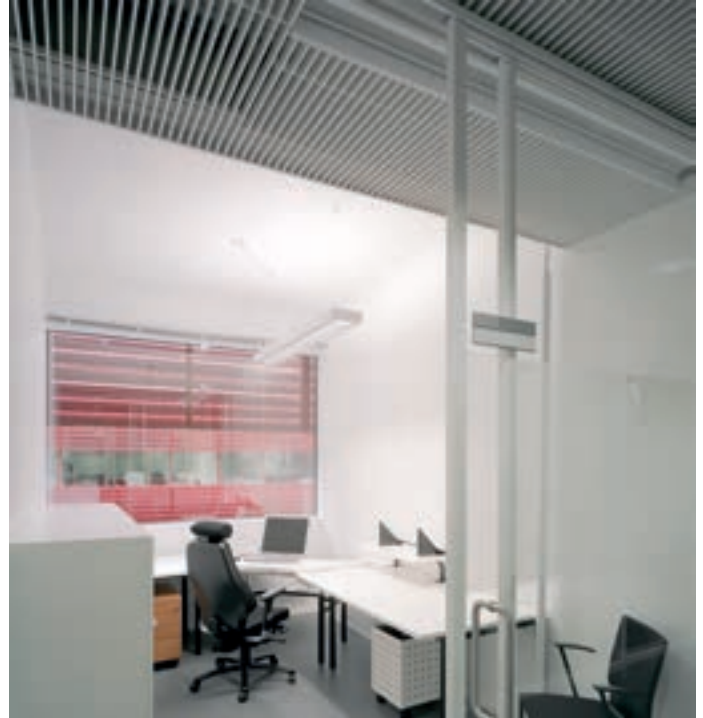


Yläkuva/picture above:
Lautex WJ-ritilä / WJ-grating
Autolautta Star / Ferry Star

Alakuva/picture under:
Lautex WT-ritilä / WT-grating
Citymarket Tampere /Citymarket Shop

Yläkuva/picture above:
Lautex WS-ritilä / WS-grating
Toimistotalo Digitalo / Office Building Digitalo

Alakuva/picture under:
Lautex WS-ritilä / WS-grating
Toimistotalo Digitalo / Office Building Digitalo



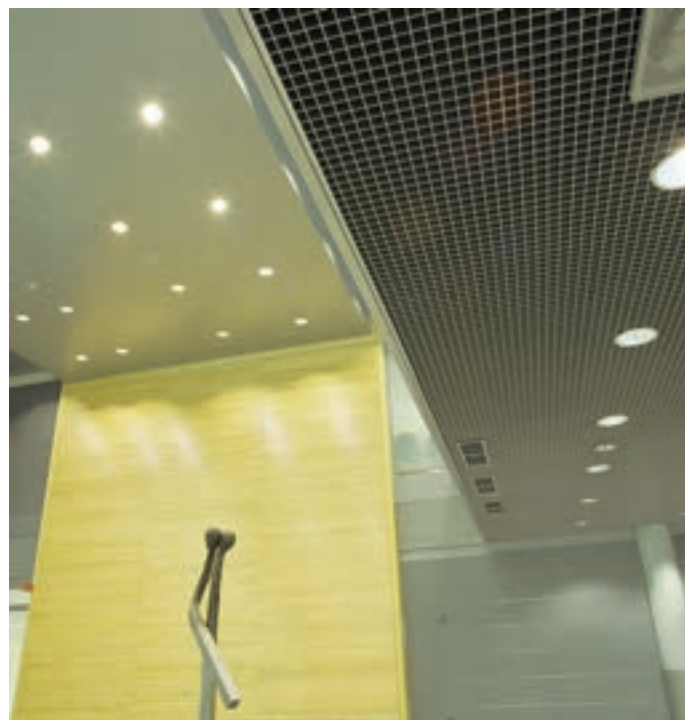
Yläkuva/picture above:
Lautex WS-ritilä / WS-grating
Toimistotalo Digitalo / Office Building Digitalo

Alakuva/picture under:
Lautex WS-ritilä / WS-grating
Toimistotalo Digitalo / Office Building Digitalo



Yläkuva/picture above:
Lautex WS-ritilä / WS-grating
Toimistotalo Digitalo / Office Building Digitalo

Alakuva/picture under:
Lautex WJ-ritilä / WJ-grating
Autolautta Galaxy / Ferry Galaxy



Yläkuva/picture above:
Lautex WJ-ritilä / WJ-grating
Autolautta Romantica / Ferry Romantica
Alakuva/picture under:
Lautex WJ-ritilä / WJ-grating
Autolautta Galaxy / Ferry Galaxy

Yläkuva/picture above:
Lautex WS-ritilä / WS-grating
Liikekeskus Rajalla / Shopping Center Rajalla
Alakuva/picture under:
Lautex W-ritilä / W-grating
Helsinki-Vantaa lentokenttä / Helsinki-Vantaa Airport



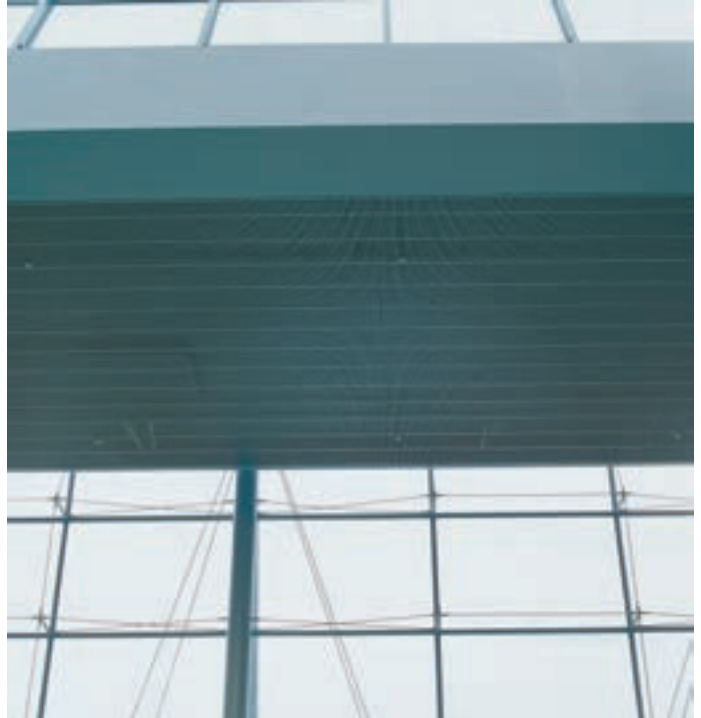
Yläkuva/picture above:
Lautex WS-ritilä / WS-grating
Iso-Omena liikekeskus / Shopping center Iso-Omena
Alakuva/picture under:
Lautex WT-ritilä / WT-grating
Citymarket Tampere/Citymarket Shop

Yläkuva/picture above:
Lautex WJ-ritilä / WJ-grating
Alko myymälä / Alko Shop
Alakuva/picture under:
Lautex NX-moduuliritilä / NX- module grating
Ruokala / Canteen



Yläkuva/picture above:
Lautex WJ-ritilä / WJ-grating
Autolautta Silja Serenade / Ferry Silja Serenade
Alakuva/picture under:
Lautex WT-ritilä / WT-grating
Portaikko / Stairs

Yläkuva/picture above:
Lautex WS-ritilä / WS-grating
Toimistotalo Digitalo / Office Building Digitalo
Alakuva/picture under:
Lautex W-ritilä / W-grating
Stockmann Pietari / Stockmann St Petersburg



Yläkuva/picture above:
Lautex WH-ritilä / WH-grating
Uima-allasalue / Swimming pool area

Alakuva/picture under:
Lautex WH-ritilä / WH-grating
Stockmann Pietari / Stockmann St Petersburg

Yläkuva/picture above:
Lautex WS-ritilä / WS-grating
Iso-Omena liikekeskus / Shopping center Iso-Omena

Alakuva/picture under:
Lautex W-ritilä / W-grating
Helsinki-Vantaa lentokenttä / Helsinki-Vantaa Airport



Yläkuva/picture above:
Lautex WS-ritilä / WS-grating
Sonera toimistotalo / Office House Sonera
Alakuva/picture under:
Lautex WS-ritilä / WS-grating
Toimistotalo Digitalo / Office Building Digitalo

Yläkuva/picture above:
Lautex WJ-ritilä / WJ-grating
Citymarket Tampere/Citymarket Shop
Alakuva/picture under:
Lautex WJ-ritilä / WJ-grating
Citymarket Tampere/Citymarket Shop



Yläkuva/picture above:
Lautex WJ-ritilä / WJ-grating
Alko myymälä / Alko Shop



Yläkuva/picture above:
Lautex WJ-ritilä / WJ-grating
Aula / Lobby

Etusivulla:
Yläkuva/picture above:
Lautex WS-ritilä / WS-grating
Toimistotalo Digitalo / Office Building Digitalo

Alakuva/picture under:
Lautex WS-käytäväritilä / WS-corridorgrating
Toimistotalo Mittakeskus / Office Building Mikes

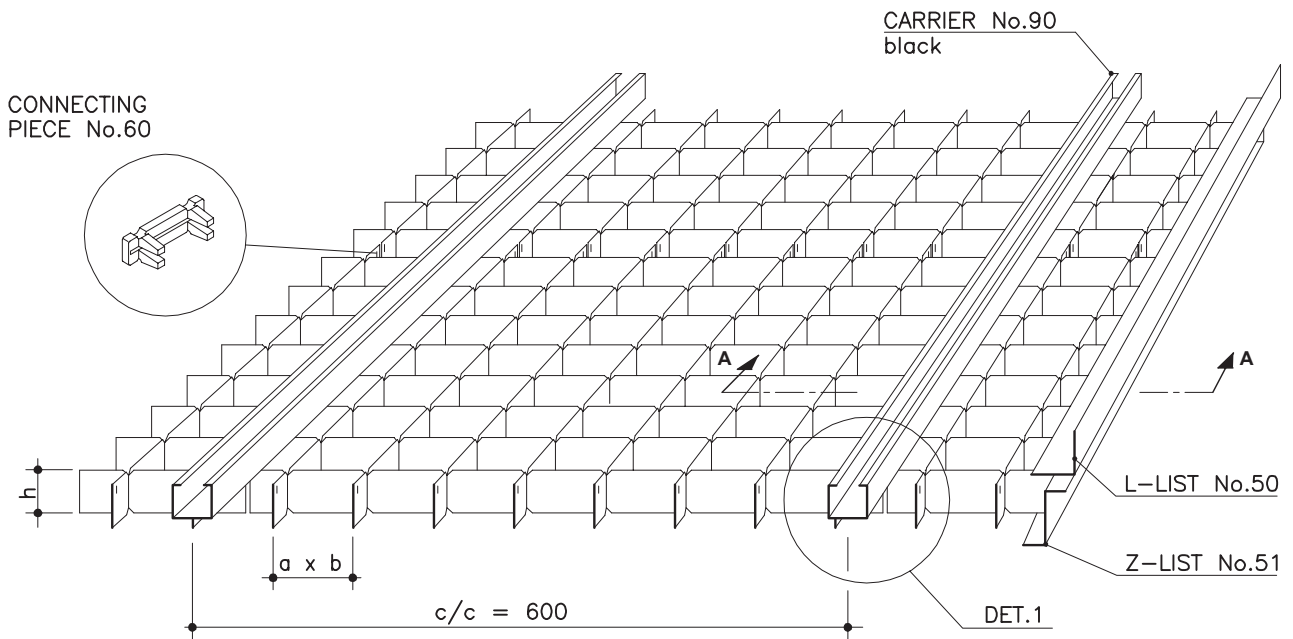
Yhteystiedot /Contact

Oy Lautex Ab

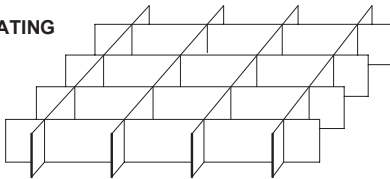
Ojakkalantie 13, FIN-03101 Nummela
FINLAND
Telephone +358 (0)9 2248 810
E-mail: sales@lautex.com
www.lautex.com



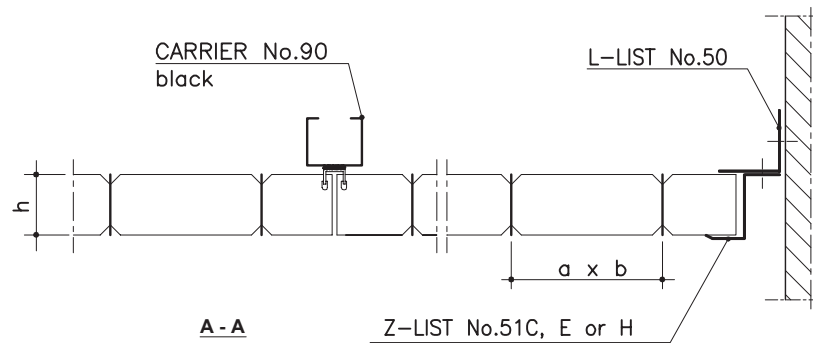
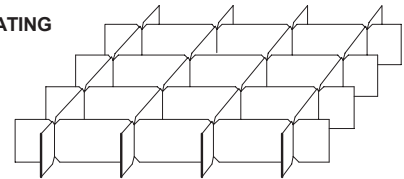
MARINE GRATING LAUTEX N AND NX



N-GRATING



NX-GRATING

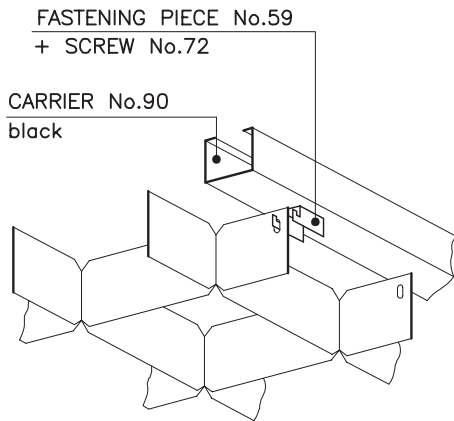


Material	0.7 Al				
Element size	600x600 or 600x1200				
Height h mm	25	35	35	50	50
Cell size a x b	25	37.5	50	50	75
Finish	stove enamelled (or anodized) according to any well-known colour chart				
Downlights	see overleaf				
Suspension	see overleaf				
Edge lists	see group 6 "Lautex lists"				
Other special solutions	please contact our technical information department				

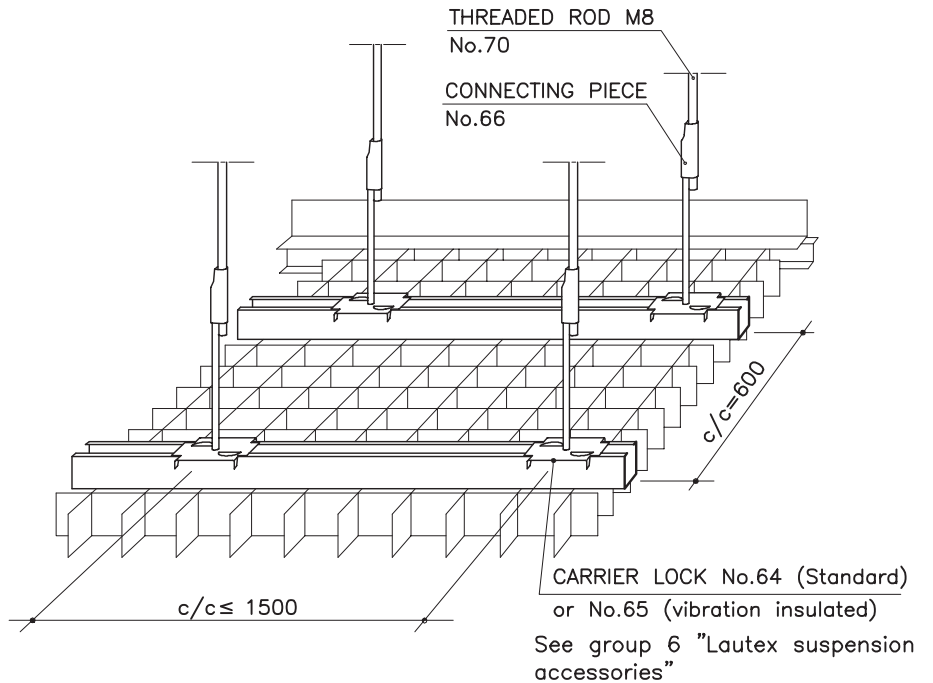
Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE GRATING LAUTEX N AND NX INSTALLATION DETAILS AND ACCESSORIES



DET. 1

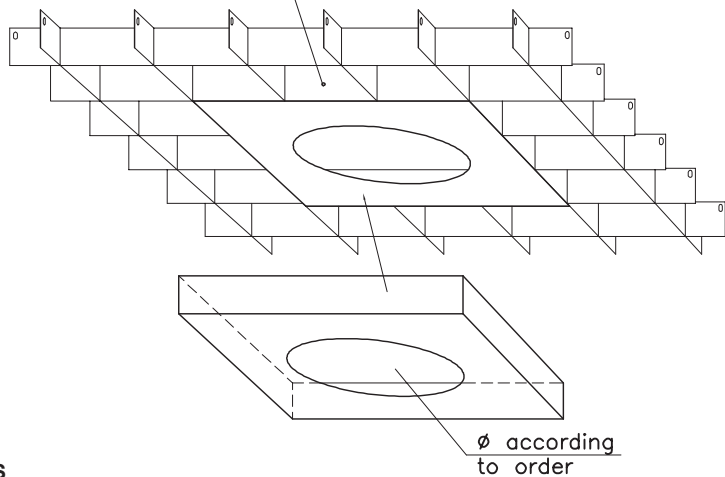


LOUDSPEAKER OR DOWNLIGHT UNIT

We produce the downlight units according to order.
The size and construction of the downlight unit depends on the size of the luminaire, the cell size and grating type.

Finish: Stove enamelled (or anodized) in desired colour.

Can be fastened on board with e.g. pop-rivet



THEORETICAL NEED OF SUSPENSION STRUCTURES (Element size 600x600mm)

Product	Need of material
Carrier No.90	1.6 m/m ²
Carrier locks	4 pcs/m ²
L-list No.50	0.8 – 1.4 m/m ²
Z-list No.51	0.8 – 1.4 m/m ²
Fastening piece No.59	4 pcs/m ²
Screw No.72	4 pcs/m ²
Connecting piece No.60	11 pcs/m ²

WEIGHT OF GRATING

module size 600x600	N 50x50x50	NX 50x50x50
Material	0.7 Al	0.7 Al
Weight	0.4 kg/m ²	0.4 kg/m ²

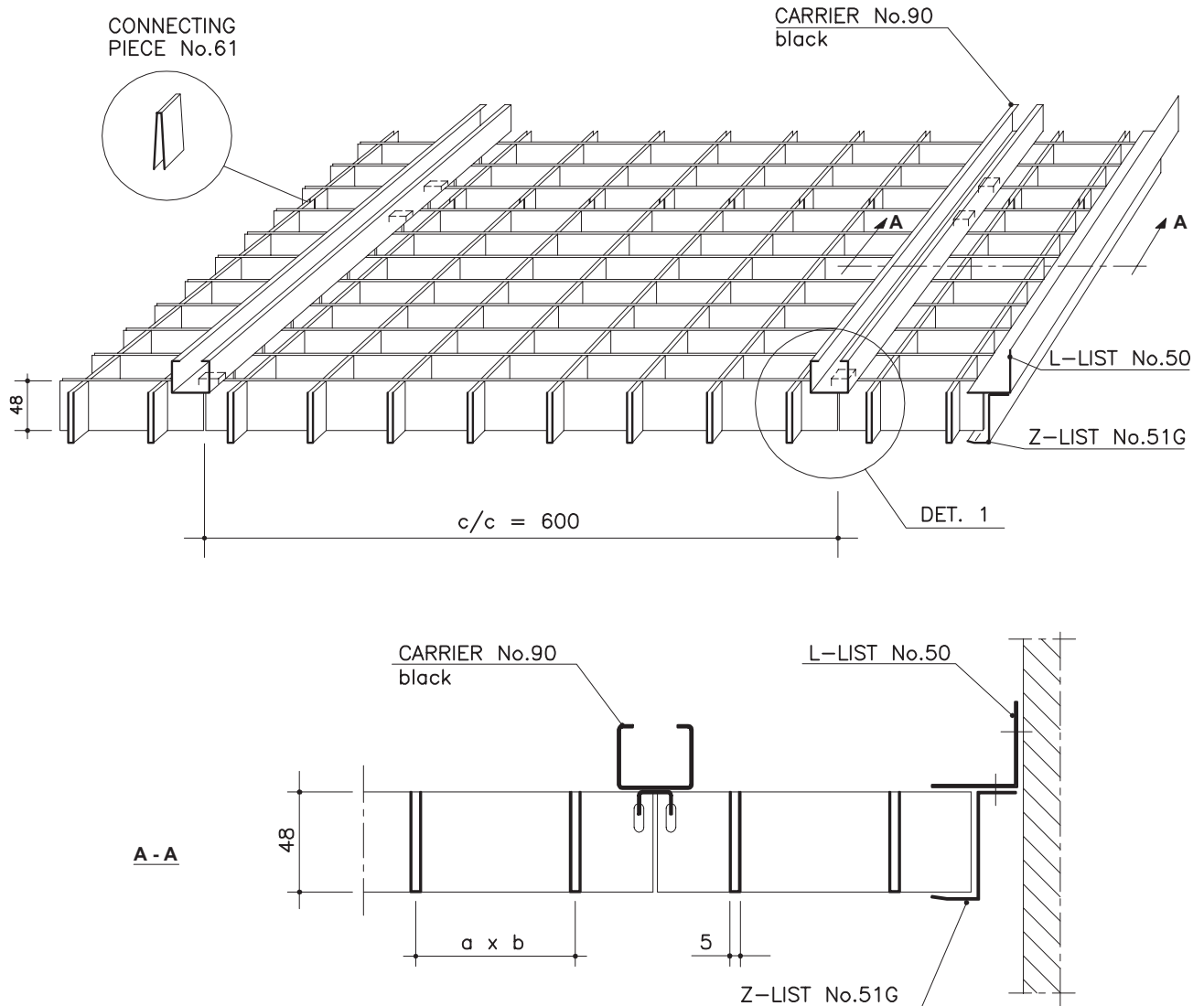
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Carrier No.90 (1.0 Steel)	0.83 kg/m
Carrier locks	80 g/pcs
L-list No.50 (1.5 Al)	0.32 kg/m
L-list No.50 (1.0 steel)	0.62 kg/m
Z-list No.51 (1.0 Al)	0.14 – 0.17 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE GRATING LAUTEX W



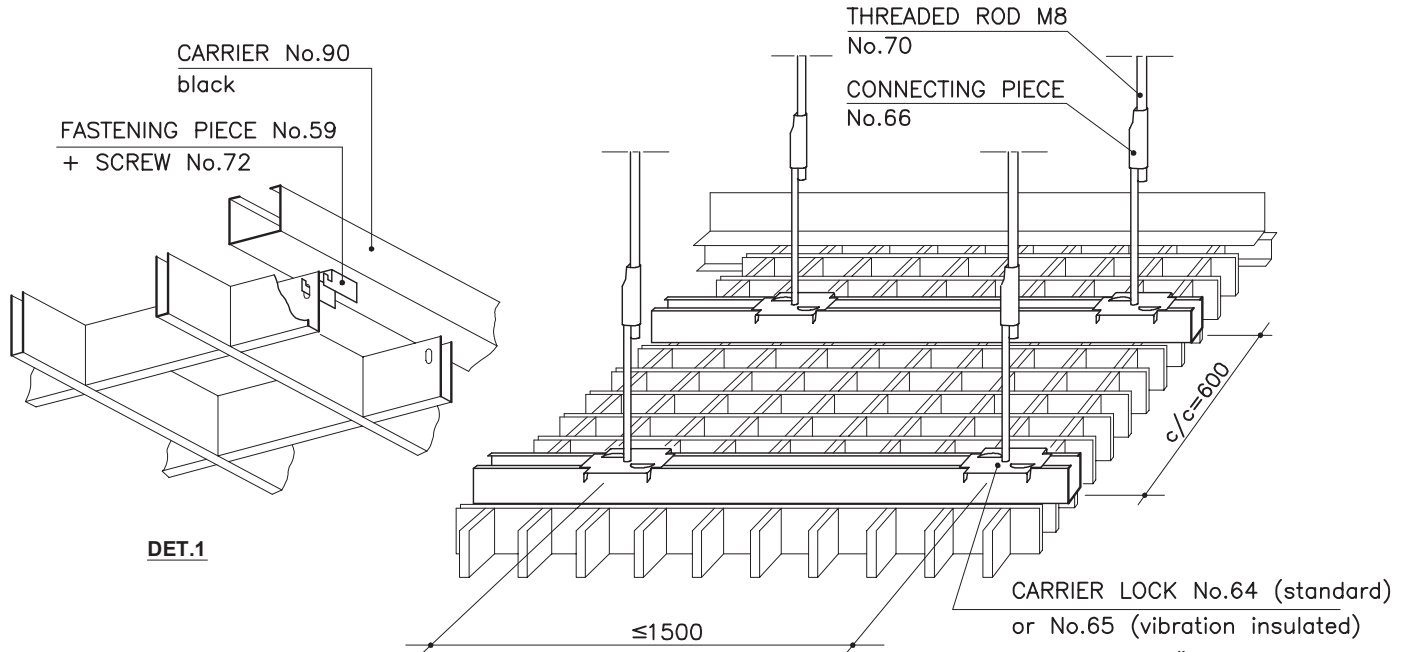
LAUTEX W-GRATINGS

Material	0.4 Al
Element size	600x600 or 600x1200
Height h mm	48
Cell size a x b	50, 75 or 100 mm
Special cell size a x b	50 – 200 mm, element size divided by cell size must go even
Finish	stove enamelled (or anodized) according to any well-known colour chart
Downlights	see overleaf
Suspension	see overleaf
Edge lists	see group 6 "Lautex lists"
Other special solutions	please contact our technical information department

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE GRATING LAUTEX W INSTALLATION DETAILS AND ACCESSORIES

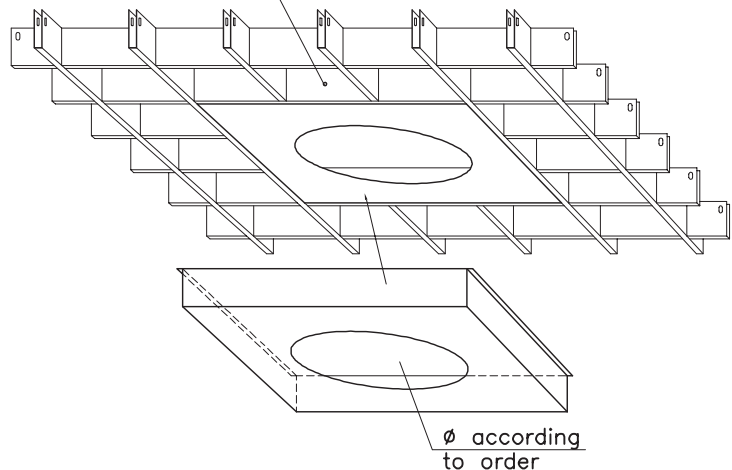


LOUDSPEAKER OR DOWNLIGHT UNIT

We produce the downlight units according to order.
The size and construction of the downlight unit depends on the size of the luminaire, the cell size and grating type.

Finish: Stove enamelled (or anodized) in desired colour.

Can be fastened on board with e.g. pop-rivet



THEORETICAL NEED OF SUSPENSION STRUCTURES (Element size 600x600mm)

Product	Need of material
Carrier No. 90	1.6 m/m ²
Carrier locks	4 pcs/m ²
Z-list No. 51G	0.8–1.4 m/m ²
L-list No. 50	0.8–1.4 m/m ²
Fastening piece No. 59	2 pcs/element
Screw No. 72	2 pcs/element
Connecting piece No. 61	4 pcs/element

WEIGHT OF GRATING

W-600x600	50x50x48
Material	0.4 Al
Weight	3.4 kg/m ²

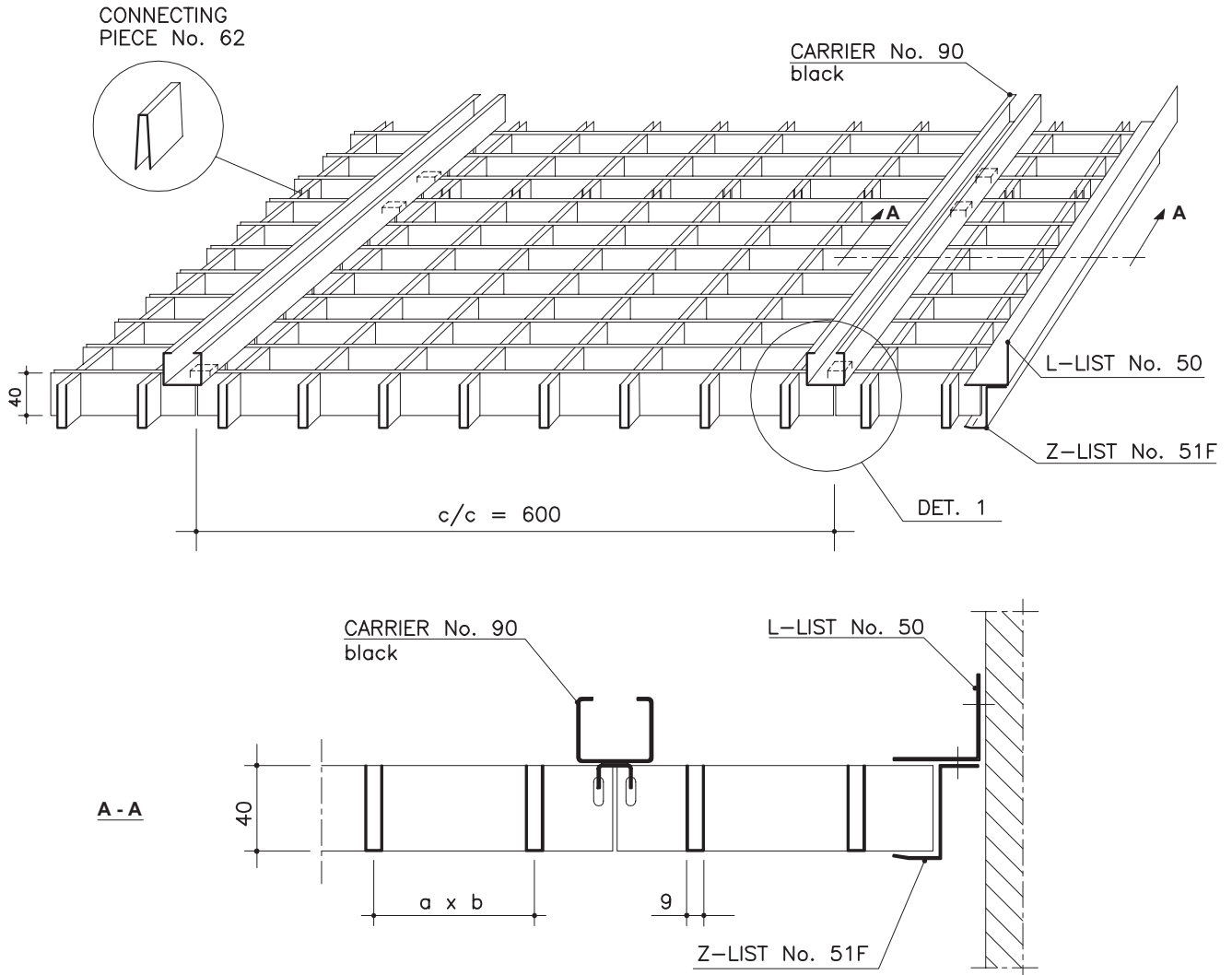
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Carrier No.90 (1.0 Steel)	0.83 kg/m
Carrier locks	80 g/pcs
Z-list No.51G (1.0 Al)	0.22 kg/m
L-list No.50 (1.5 Al)	0.32 kg/m
L-list No.50 (1.0 steel)	0.62 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE GRATING LAUTEX WJ



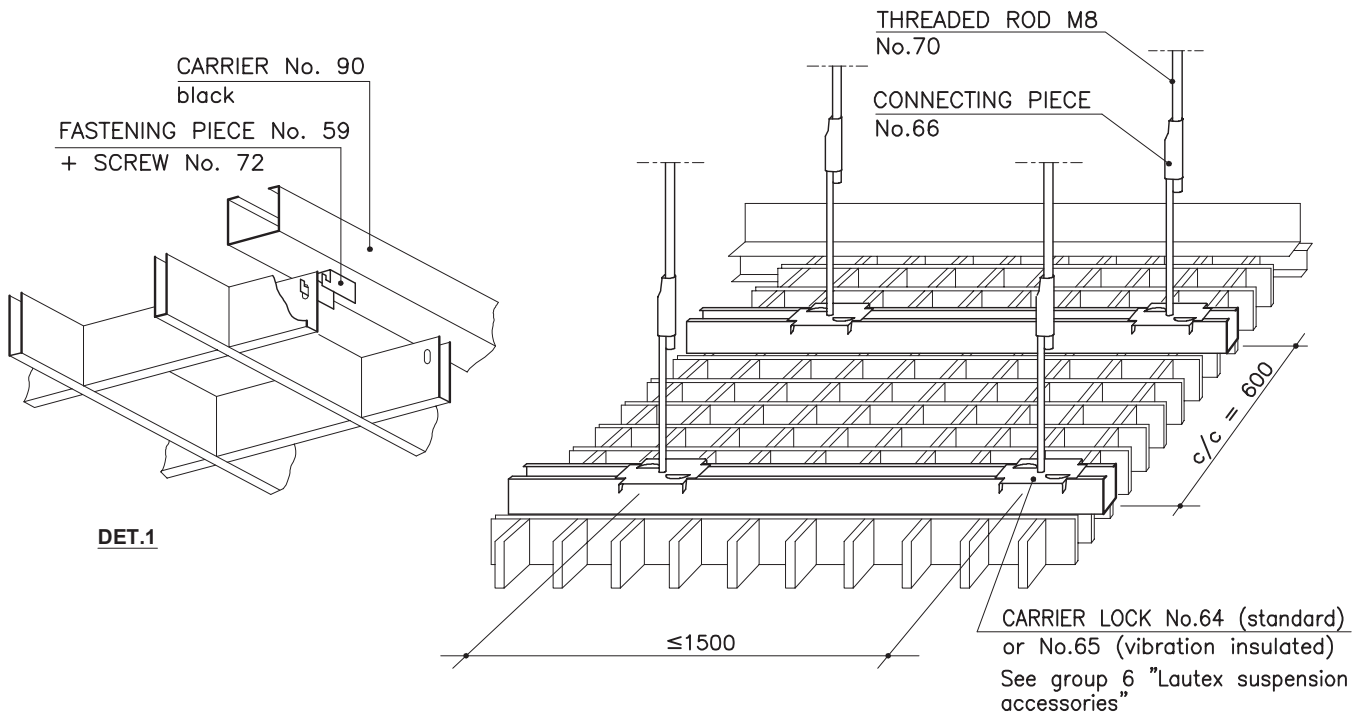
LAUTEX WJ-GRATINGS

Material	0.4 Al
Element size	600x600 or 600x1200
Height h mm	40
Cell size a x b	50, 75 or 100 mm
Special cell size a x b	50 – 200 mm, element size divided by cell size must go even
Finish	stove enamelled (or anodized) according to any well-known colour chart
Downlights	see overleaf
Suspension	see overleaf
Edge lists	see group 6 "Lautex lists"
Other special solutions	please contact our technical information department

Latest information: www.lautex.com

All products are subject to modifications without prior notice

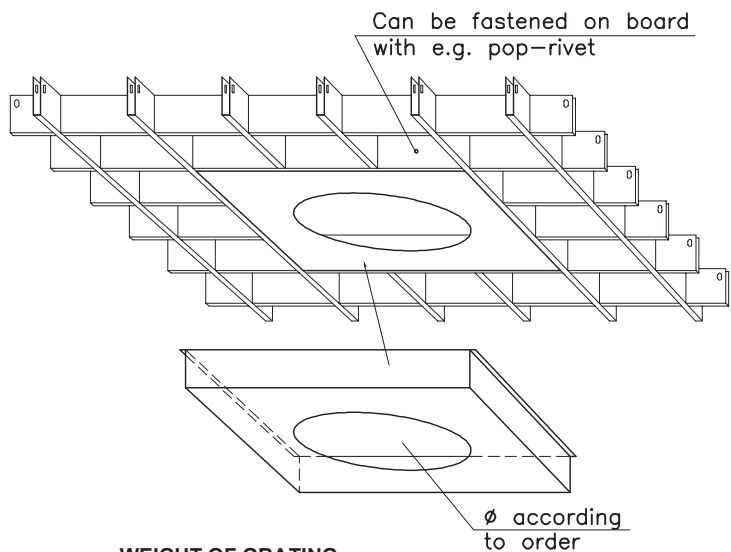
MARINE GRATING LAUTEX WJ INSTALLATION DETAILS AND ACCESSORIES



LOUDSPEAKER OR DOWNLIGHT UNIT

We produce the downlight units according to order. The size and construction of the downlight unit depends on the size of the luminaire, the cell size and grating type.

Finish: Stove enamelled (or anonized) in desired colour.



THEORETICAL NEED OF SUSPENSION STRUCTURES (Element size 600x600mm)

Product	Need of material
Carrier No. 90	1.6 m/m ²
Carrier locks	4 pcs/m ²
L-list No. 50	0.8 – 1.4 m/m ²
Z-list No. 51F	0.8 – 1.4 m/m ²
Fastening piece No. 59	2 pcs/element
Screw No. 72	2 pcs/element
Connecting piece No. 62	4 pcs/element

WEIGHT OF GRATING

WJ-600x600	50x50x40
Material	0.4 Al
Weight	3.35 kg/m ²

WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Carrier No.90 (1.0 steel)	0.83 kg/m
Carrier locks	80 g/pcs
L-list No.50 (1.5 Al)	0.32 kg/m
L-list No.50 (1.0 steel)	0.62 kg/m
Z-list No.51F (1.0 Al)	0.20 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

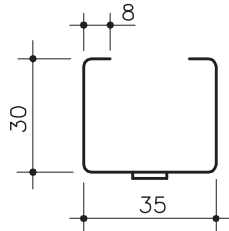
LAUTEX CARRIERS

Material: Steel, Length=3000

PAGE 1/4

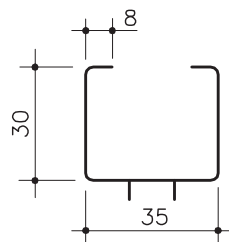
No. 39 PR-CARRIER 45° INSTALLATION

CARRIER No.	PROFILE'S WIDTH	c/c
39C	50	60
39D	60	70
39E	70	80
39F	80	90
39G	90	100
39H	100	110
39J	135	145
39K	140	150
39L	180	190
39M	190	200
39N	280	290
39P	290	300
39X	ACCORDING TO ORDER BUT ≥ 50 mm	ACCORDING TO ORDER BUT MIN. AIR SPACE 10 mm



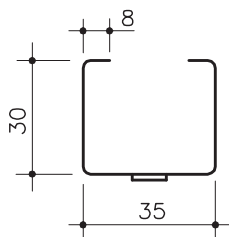
1.0 steel
0.83 kg/m

No. 42 H-CARRIER



1.0 steel
0.83 kg/m

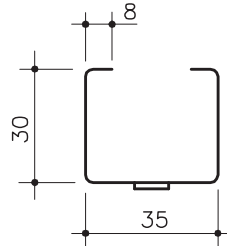
No. 43A UP-CARRIER



1.0 steel
0.83 kg/m

No. 43D UP-CARRIER

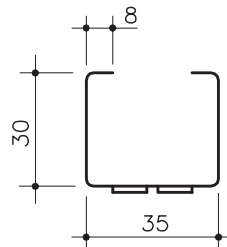
FOR UP-300 AND 200/25



1.0 steel
0.83 kg/m

No. 44 PR-CARRIER

CARRIER No.	PROFILE'S WIDTH	c/c
44A	30	40
44B	40	50
44C	50	60
44D	60	70
44E	70	80
44F	80	90
44G	90	100
44H	100	110
44J	135	145
44K	140	150
44L	180	190
44M	190	200
44N	280	290
44P	290	300
44X	ACCORDING TO ORDER	ACCORDING TO ORDER BUT MIN. AIR SPACE 10 mm

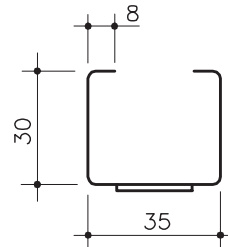


1.0 steel
0.83 kg/m

No. 45 K-CARRIER

INSTALLATION WITH AIR SPACE

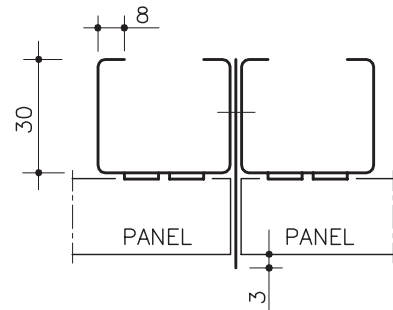
CARRIER No.	PANEL'S WIDTH	c/c
45A	100	105
45B	100	110
45C	150	155
45D	150	160
45E	200	205
45F	200	210
45G	300	305
45H	300	310
45X	X	X



1.0 steel
0.83 kg/m

No. 46 K-SEAM CARRIER

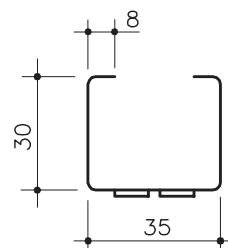
CAN BE USED FOR CARRIERS No. 45 AND 47



1.0 steel
2.10 kg/m

No. 47 STANDARD K-CARRIER

FOR B0/B15 AND C-CLASS CEILINGS



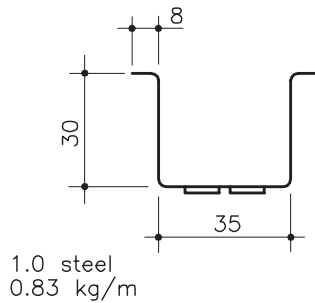
1.0 steel
0.83 kg/m

LAUTEX CARRIERS

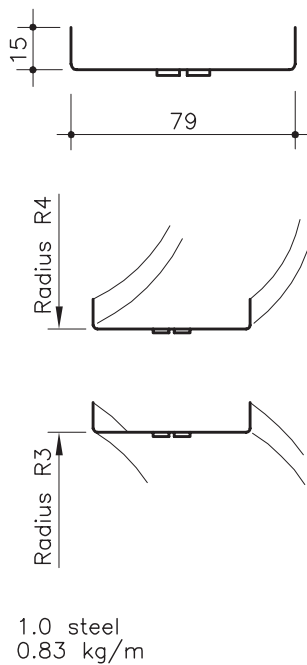
Material: Steel, Length=3000

PAGE 2/4

No. 47B K-CARRIER
FLANGES OUTWARDS

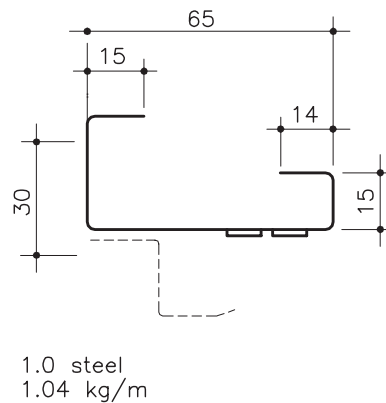


No. 47C BENT K-CARRIER

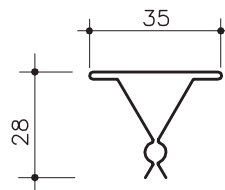


No. 49 K-WALL CARRIER
INSTALLATION WITH AIR SPACE

CARRIER No.	PANEL'S WIDTH	c/c
49A	100	105
49B	100	110
49C	150	155
49D	150	160
49E	200	205
49F	200	210
49G	300	305
49H	300	310

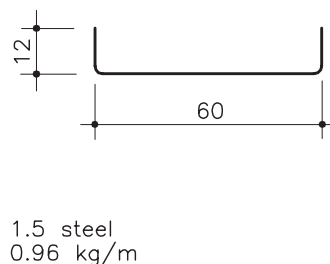


No. 54 SPRING-T-CARRIER

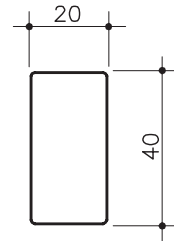


0.5 steel, L=4000
0.44 kg/m

No. 55 SUPPORT PROFILE

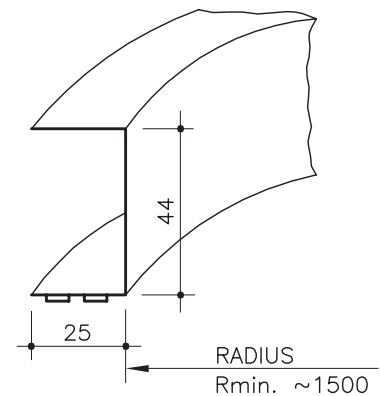


No. 56 SUPPORT TUBE



1.5 steel, L=6000, Painted
1.37 kg/m

No. 87 BENT K-CARRIER



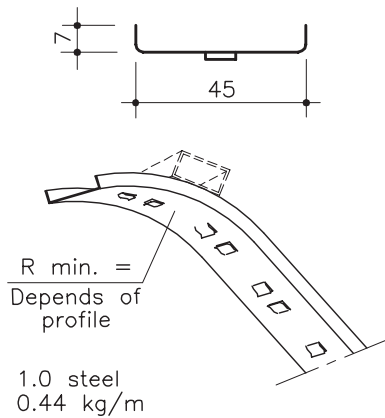
THE WIDTH AND c/c OF THE
PANEL CAN BE CHOSEN FREELY

LAUTEX CARRIERS

Carriers: Fe, L=3000

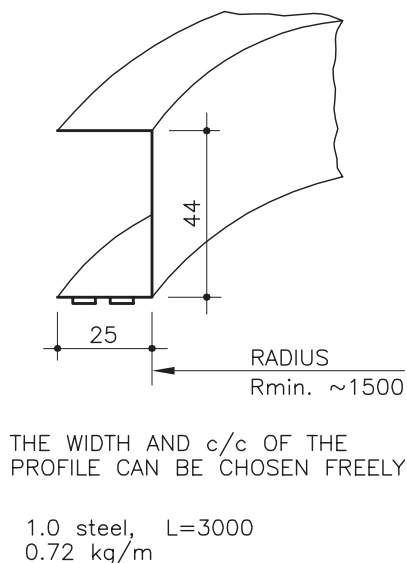
PAGE 3/4

No. 88 BENT PR-CARRIER

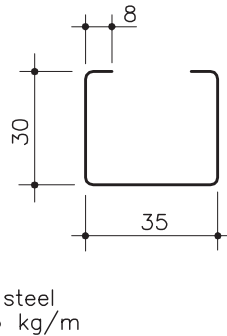


CARRIER No.	PROFILE'S WIDTH	c/c
88A	30	40
88B	40	50
88C	50	60
88D	60	70
88E	70	80
88F	80	90
88G	90	100
88H	100	110
88J	135	145
88K	140	150
88L	180	190
88M	190	200
88N	280	290
88P	290	300
88X	ACCORDING TO ORDER	ACCORDING TO ORDER BUT MIN. AIR SPACE 10 mm

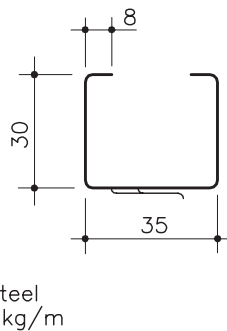
No. 89 BENT PR-CARRIER



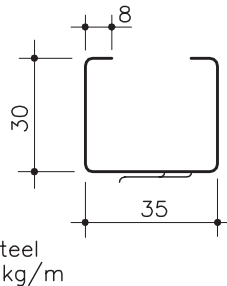
No. 90 SUSPENSION CARRIER



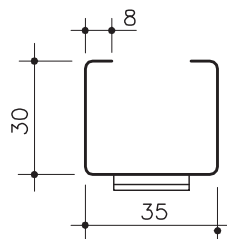
No. 91 UP-CARRIER 45° LEFT INSTALLATION



No. 92 UP-CARRIER 45° RIGHT INSTALLATION

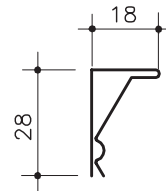


No. 94 NS-CARRIER FOR B0 AND C-CLASS CEILINGS



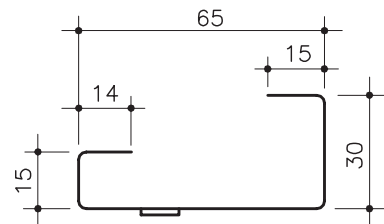
No. 95 HALF SPRING-T-CARRIER

FOR INSTALLATION OF
NJ-CASSETTES WITH
AIR SPACE



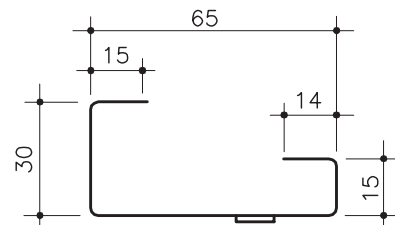
0.6 steel, Length=4000
0.32 kg/m

No. 96A UP-WALL CARRIER FOR RIGHT INSTALLATION



1.0 steel
1.04 kg/m

No. 96B UP-WALL CARRIER FOR LEFT INSTALLATION



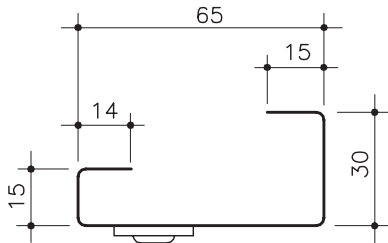
1.0 steel
1.04 kg/m

LAUTEX CARRIERS

Carriers: Fe, L=3000

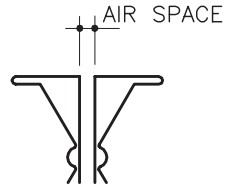
PAGE 4/4

No. 98 UP-WALL CARRIER FOR BOTH HAND INSTALLATION FOR B0/B15 CEILINGS



1.0 steel
1.04 kg/m

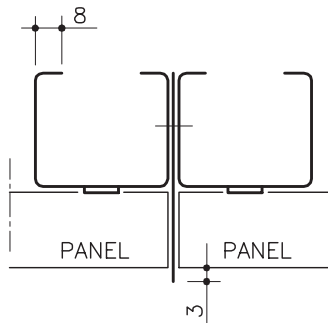
No. 105 PRE-ASSEMBLED HALF SPRING-T-CARRIERS



CARRIER No.	AIR SPACE
105A	3 mm
105B	4 mm
105C	5 mm
105D	6 mm
105E	7 mm
105F	8 mm
105H	10 mm
105M	15 mm
105R	20 mm

0.6 steel, Length=4000
2.76 kg/m

No. 100 UP-SEAM CARRIER CAN BE USED FOR CARRIER No. 43



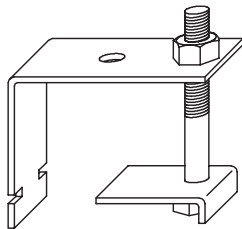
1.0 steel
2.10 kg/m

LAUTEX SUSPENSION ACCESSORIES

PAGE 1/3

No. 57 CARRIER LOCK

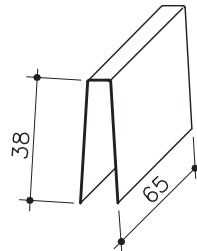
(FOR SUSPENSION SYSTEM A)



97 g/pc

No. 62 CONNECTING PIECE

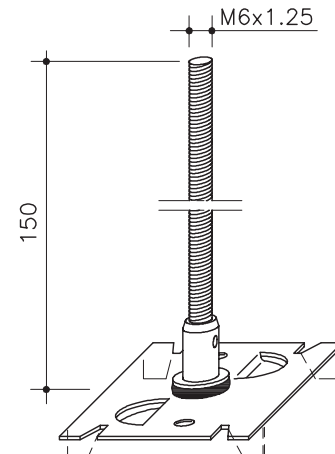
(FOR WJ-GRATINGS)



6 g/pc

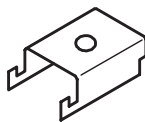
No. 65 CARRIER LOCK

VIBRATION INSULATED
FOR INSTALLATION WITH M8 ROD



80 g/pc

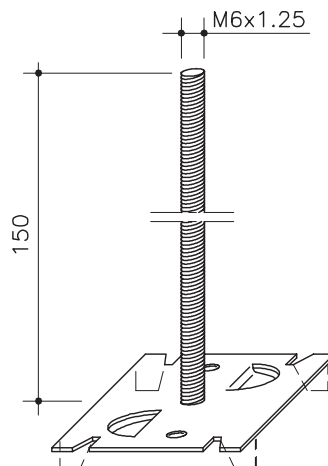
No. 59 FASTENING PIECE



6 g/pc

No. 64 CARRIER LOCK

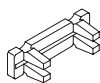
FOR INSTALLATION WITH M8 ROD



80 g/pc

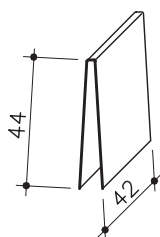
No. 60 CONNECTING PIECE

(FOR N-AND NX-GRATINGS)



No. 61 CONNECTING PIECE

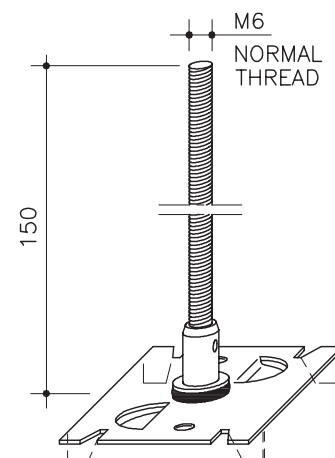
(FOR W-GRATINGS)



6 g/pc

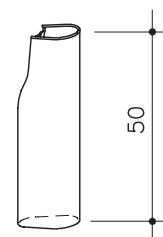
No. 65A CARRIER LOCK

VIBRATION INSULATED
FOR INSTALLATION WITH M6 ROD



80 g/pc

No. 66 CONNECTING PIECE

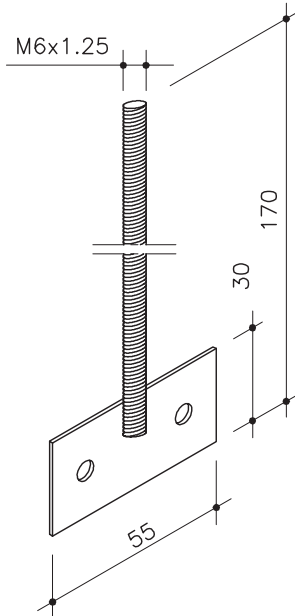


15 g/pc

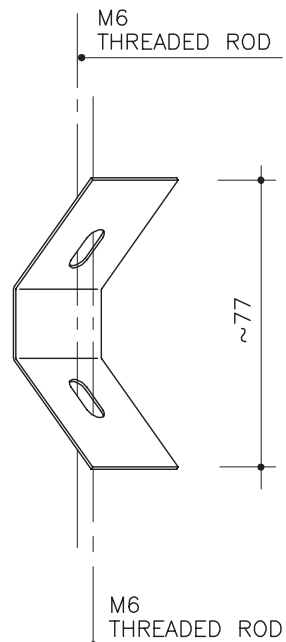
LAUTEX SUSPENSION ACCESSORIES

PAGE 2/3

No. 68 CARRIER LOCK



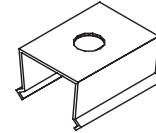
No. 70A SPRING CLIP



0.8 Steel
2 g/pc

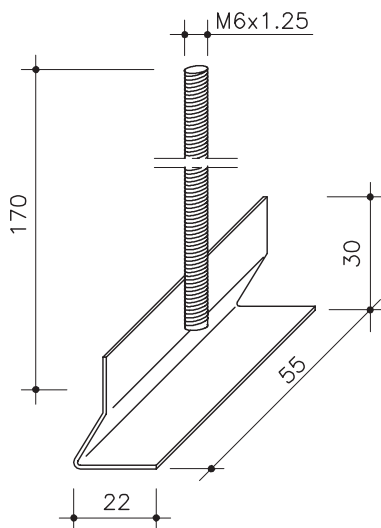
No. 79 FASTENING PIECE

(FOR FASTENING OF DECORATIVE PROFILE No. 10)



steel
1 g/pc

No. 69 CARRIER LOCK



46 g/pc

MISCELLANEOUS ACCESSORIES

No. 70 THREADED ROD M8

L=200, 300, 400, 500, 600, 2000
0.31 kg/m

No. 106 THREADED ROD M6x1.25

L=200, 300, 400, 500, 600, 2000
0.16 kg/m

**No. 106A THREADED ROD M6
(NORMAL THREAD)**

L=200, 300, 400, 500, 600, 2000
0.16 kg/m

No. 71* SCREW 3.5x9.5

No. 72* SCREW 3.5x13

No. 73 POP-RIVET 3.2x7.5

No. 74 POP-RIVET 3.2x12

**No. 75* SCREW 4.2x13
FOR BO/B15 CEILINGS**

No. 76* SCREW 4.2x25

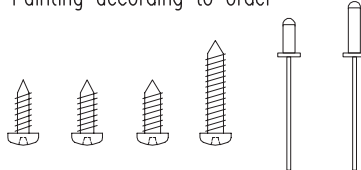
No. 77 SCREW 3.0x13

No. 78* SCREW 4.2x13

FLAT HEAD

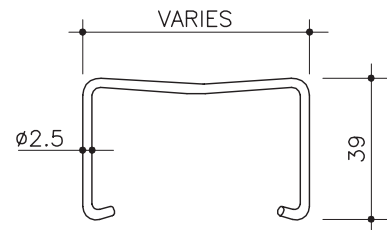
* marked = self tapping

Painting according to order



No. 109 WIRE CLIP

(FOR 90° INSTALLATION WITH
HALF-SPRING-T-CARRIERS,
AIR SPACE 3 – 20 mm)

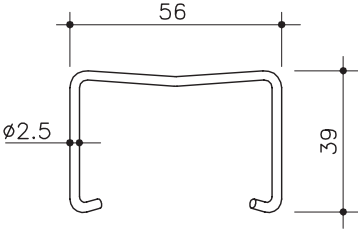
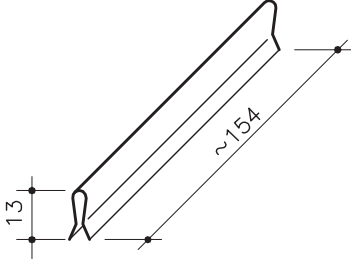
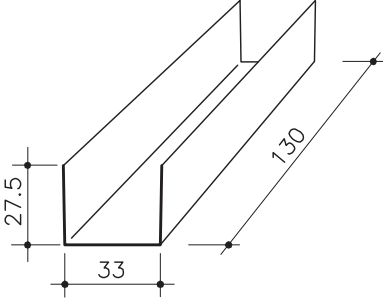
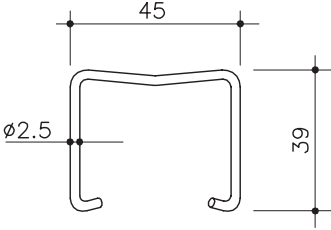
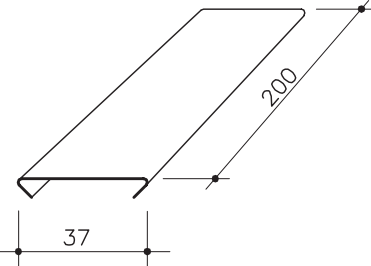
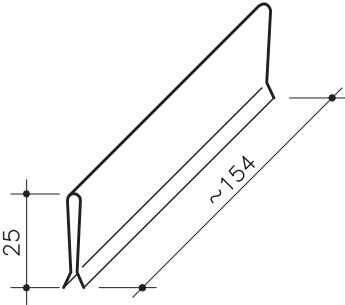
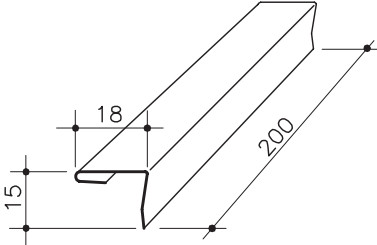


SPLICE No.	AIR SPACE
109A	3 mm
109B	4 mm
109C	5 mm
109D	6 mm
109E	7 mm
109F	8 mm
109G	9 mm
109H	10 mm
109I	11 mm
109J	12 mm
109K	13 mm
109L	14 mm
109M	15 mm
109R	20 mm

ø 2.5 steel
5 g/pc

LAUTEX SUSPENSION ACCESSORIES

PAGE 3/3

No. 110A / 90° WIRE CLIP (FOR 90° INSTALLATION)  Ø 2.5 steel 5 g/pc	No. 112B CONNECTING PIECE FOR 10 mm END BENDS  0.5 steel 17 g/pc	No. 115 CONNECTING PIECE FOR STANDARD CARRIERS  1.0 steel 87 g/pc
No. 110B / 45° WIRE CLIP (FOR 45° INSTALLATION)  Ø 2.5 steel 5 g/pc	No. 113 SPLICE FOR SPRING-T-CARRIER  0.5 steel 45 g/pc	
No. 112 CONNECTING PIECE  0.5 steel 31 g/pc	No. 114 SPLICE FOR HALF SPRING-T-CARRIER  0.5 steel 33 g/pc	

Latest information: www.lautex.com

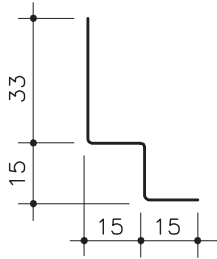
All products are subject to modifications without prior notice

LAUTEX LISTS

Length= 3000

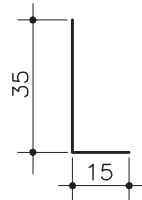
PAGE 1/3

No. 30 DOUBLE-L-LIST



0.7 Al
0.14 kg/m

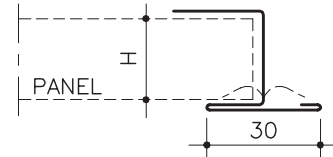
No. 33 L-LIST



0.7 Al
0.09 kg/m Can be bent

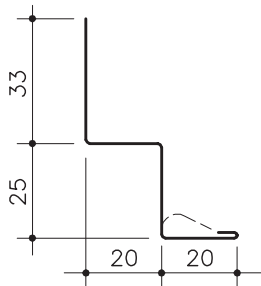
No. 36 PUSH SEAM LIST

No.	H
36A	15
36B	20
36C	25
36C+	27



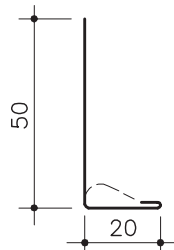
1.0 Al
0.28 kg/m

No. 31 DOUBLE-L-LIST WITH TONGUE



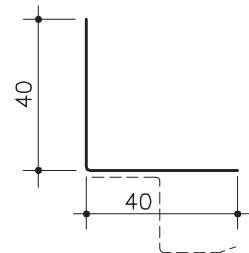
0.7 Al
0.19 kg/m

No. 34 L-LIST WITH TONGUE



0.7 Al
0.14 kg/m

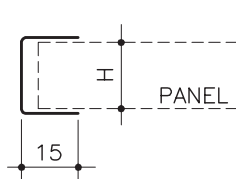
No. 50 L-LIST 40x40



1.5 Al 0.32 kg/m
1.0 steel 0.62 kg/m

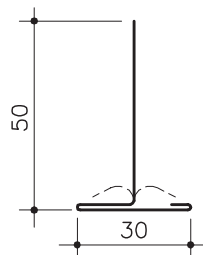
No. 32 U-END LIST

No.	H	Weight kg/m
32A	15	0.09
32B	20	0.10
32C	25	0.10
32C+	27	0.10
32D	30	0.11
32E	35	0.12
32F	40	0.13
32G	48	0.15
32H	50	0.15



0.7 Al

No. 35 T-LIST WITH TONGUE



1.0 Al
0.28 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

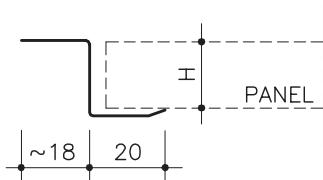
LAUTEX LISTS

Length= 3000

Page 2/3

No. 51 Z-LIST

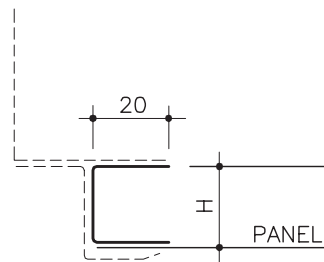
No.	H	Weight kg/m
51A	15	0.42
51B	20	0.44
51C	25	0.48
51D	30	0.54
51E	35	0.58
51F	40	0.62
51G	48	0.68
51H	50	0.70



1.0 Steel (Weights in the table)
1.5 Al Can be bent

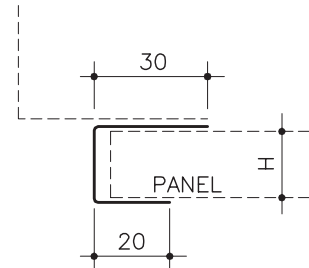
No. 53 U-INSERT LIST

No.	H	Weight kg/m
53A	15	0.10
53B	20	0.11
53C	25	0.12
53C+	27	0.12
53D	30	0.13
53E	35	0.14
53F	40	0.15



0.7 Al

No. 84 U-END LIST

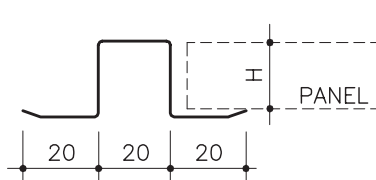


No.	H	Weight kg/m
84A	15	0.17
84B	20	0.18
84C	25	0.20
84C+	27	0.20
84D	30	0.21
84E	35	0.23
84F	40	0.24

1.0 Al

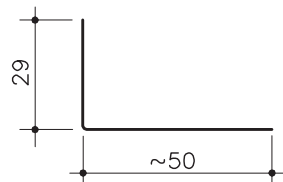
No. 52 HAT LIST

No.	H	Weight kg/m
52A	15	0.23
52B	20	0.26
52C	25	0.29
52D	30	0.31
52E	35	0.34
52F	40	0.37
52G	48	0.39
52H	50	0.40



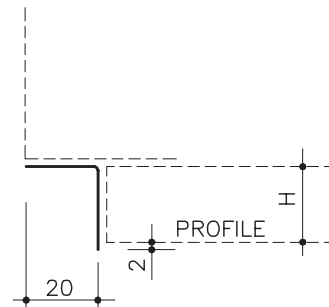
1.0 Al

No. 83 L-LIST 29x50



1.5 Al 0.32 kg/m
1.0 steel 0.62 kg/m

No. 85 L-END LIST



No.	H	Weight kg/m
85A	15	0.10
85B	20	0.11
85C	25	0.12
85D	30	0.14
85E	35	0.15
85F	40	0.16
85F+	42	0.17
85G	45	0.18
85H	50	0.19

1.0 Al

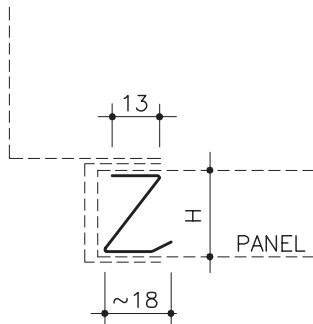
LAUTEX LISTS

Length= 3000

Page 3/3

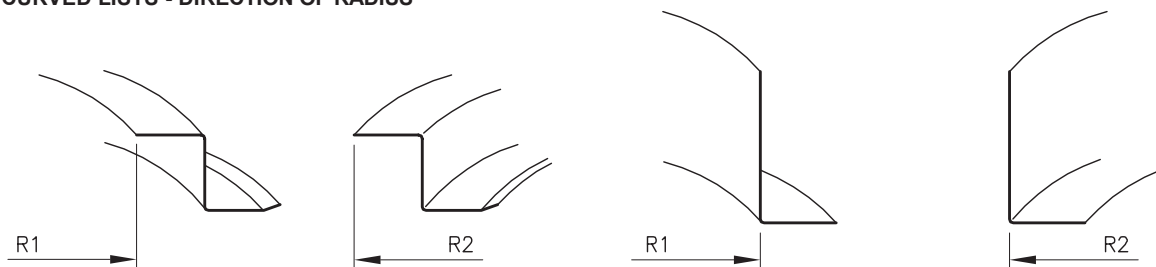
No. 107 Z-INSERT LIST

No.	H	Weight kg/m
107A	15	0.16
107B	20	0.18
107C	25	0.19
107C+	27	0.19
107D	30	0.20
107E	35	0.22
107F	40	0.23



0.4 Steel

CURVED LISTS - DIRECTION OF RADIUS



Latest information: www.lautex.com

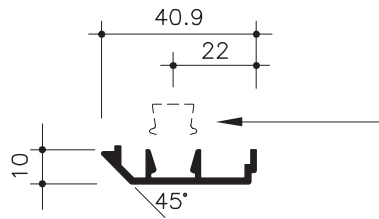
All products are subject to modifications without prior notice

LAUTEX DECORATIVE PROFILES

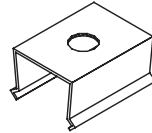
Al, Length= 5000

PAGE 1/1

No. 10

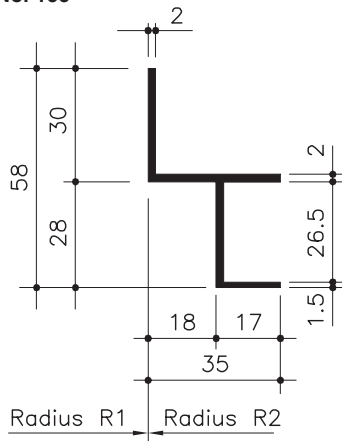


No. 79 FASTENING PIECE



Fe
1 g/pc

No. 133

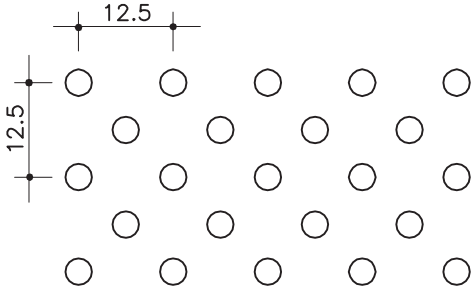
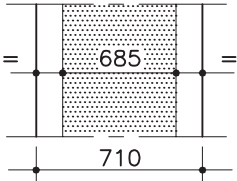
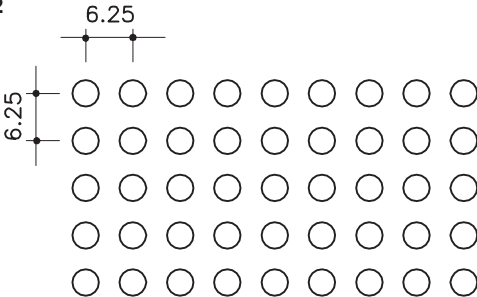
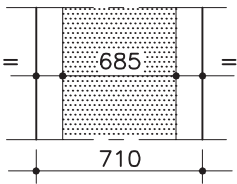
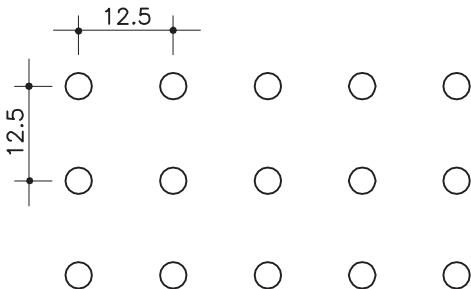
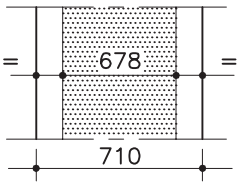
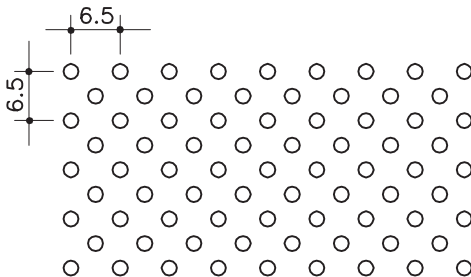
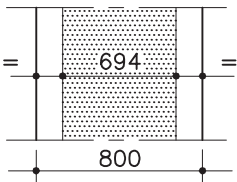
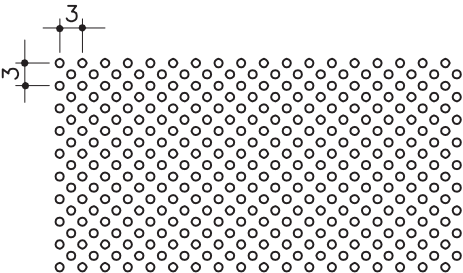
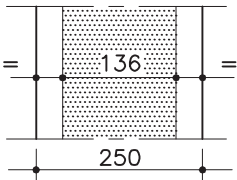


Can be bent,
min. radius ~300 (R1 & R2)

Al
0.55 kg/m

LAUTEX PERFORATIONS

PAGE 1/3

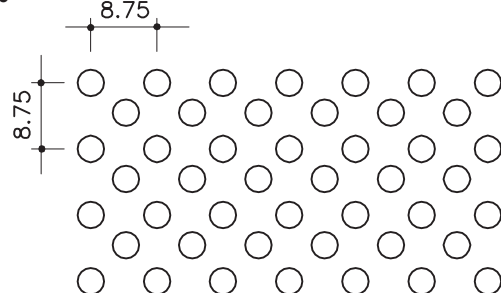
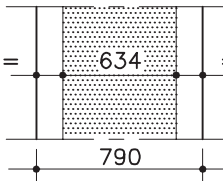
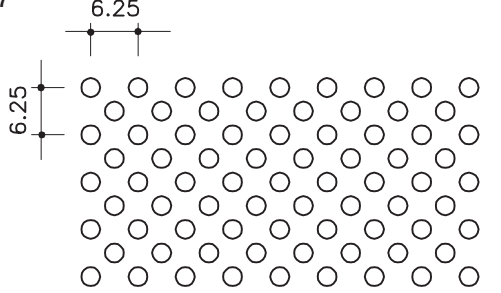
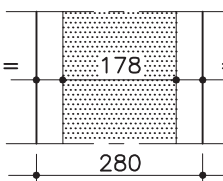
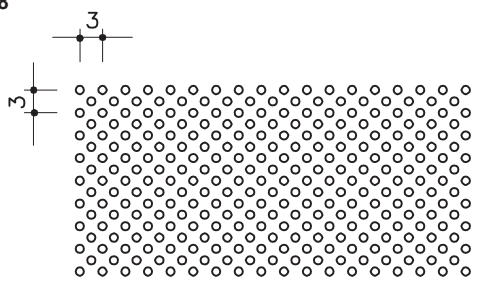
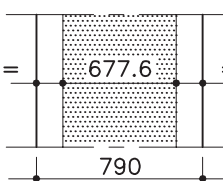
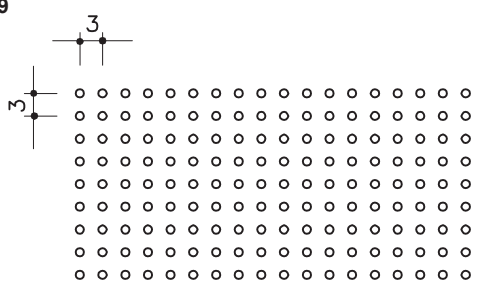
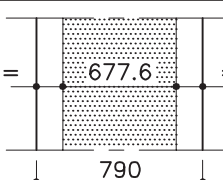
No. 1 	Ø3.5 / 12.4% <table><tr><td></td><td>MAX. WIDTH</td></tr><tr><td>MATERIAL</td><td>PERFORATION AREA / SHEET</td></tr><tr><td>max. 0.9 Al max. 0.6 Steel</td><td>685 / 710 mm</td></tr></table>		MAX. WIDTH	MATERIAL	PERFORATION AREA / SHEET	max. 0.9 Al max. 0.6 Steel	685 / 710 mm	 <table><tr><td></td><td>MAX. WIDTH</td></tr><tr><td>MATERIAL</td><td>PERFORATION AREA / SHEET</td></tr><tr><td>max. 0.9 Al max. 0.6 Steel</td><td>685 / 710 mm</td></tr></table>		MAX. WIDTH	MATERIAL	PERFORATION AREA / SHEET	max. 0.9 Al max. 0.6 Steel	685 / 710 mm
	MAX. WIDTH													
MATERIAL	PERFORATION AREA / SHEET													
max. 0.9 Al max. 0.6 Steel	685 / 710 mm													
	MAX. WIDTH													
MATERIAL	PERFORATION AREA / SHEET													
max. 0.9 Al max. 0.6 Steel	685 / 710 mm													
No. 2 	Ø3.5 / 25% <table><tr><td></td><td>MAX. WIDTH</td></tr><tr><td>MATERIAL</td><td>PERFORATION AREA / SHEET</td></tr><tr><td>max. 0.9 Al max. 0.6 Steel</td><td>685 / 710 mm</td></tr></table>		MAX. WIDTH	MATERIAL	PERFORATION AREA / SHEET	max. 0.9 Al max. 0.6 Steel	685 / 710 mm	 <table><tr><td></td><td>MAX. WIDTH</td></tr><tr><td>MATERIAL</td><td>PERFORATION AREA / SHEET</td></tr><tr><td>max. 0.9 Al max. 0.6 Steel</td><td>685 / 710 mm</td></tr></table>		MAX. WIDTH	MATERIAL	PERFORATION AREA / SHEET	max. 0.9 Al max. 0.6 Steel	685 / 710 mm
	MAX. WIDTH													
MATERIAL	PERFORATION AREA / SHEET													
max. 0.9 Al max. 0.6 Steel	685 / 710 mm													
	MAX. WIDTH													
MATERIAL	PERFORATION AREA / SHEET													
max. 0.9 Al max. 0.6 Steel	685 / 710 mm													
No. 3 	Ø3.5 / 6.2% <table><tr><td></td><td>MAX. WIDTH</td></tr><tr><td>MATERIAL</td><td>PERFORATION AREA / SHEET</td></tr><tr><td>max. 0.9 Al max. 0.6 Steel</td><td>678 / 710 mm</td></tr></table>		MAX. WIDTH	MATERIAL	PERFORATION AREA / SHEET	max. 0.9 Al max. 0.6 Steel	678 / 710 mm	 <table><tr><td></td><td>MAX. WIDTH</td></tr><tr><td>MATERIAL</td><td>PERFORATION AREA / SHEET</td></tr><tr><td>max. 0.9 Al max. 0.6 Steel</td><td>678 / 710 mm</td></tr></table>		MAX. WIDTH	MATERIAL	PERFORATION AREA / SHEET	max. 0.9 Al max. 0.6 Steel	678 / 710 mm
	MAX. WIDTH													
MATERIAL	PERFORATION AREA / SHEET													
max. 0.9 Al max. 0.6 Steel	678 / 710 mm													
	MAX. WIDTH													
MATERIAL	PERFORATION AREA / SHEET													
max. 0.9 Al max. 0.6 Steel	678 / 710 mm													
No. 4 	Ø2.0 / 15% <table><tr><td></td><td>MAX. WIDTH</td></tr><tr><td>MATERIAL</td><td>PERFORATION AREA / SHEET</td></tr><tr><td>max. 0.7 Al max. 0.5 Fe</td><td>694 / 800 mm</td></tr></table>		MAX. WIDTH	MATERIAL	PERFORATION AREA / SHEET	max. 0.7 Al max. 0.5 Fe	694 / 800 mm	 <table><tr><td></td><td>MAX. WIDTH</td></tr><tr><td>MATERIAL</td><td>PERFORATION AREA / SHEET</td></tr><tr><td>max. 0.7 Al max. 0.5 Fe</td><td>694 / 800 mm</td></tr></table>		MAX. WIDTH	MATERIAL	PERFORATION AREA / SHEET	max. 0.7 Al max. 0.5 Fe	694 / 800 mm
	MAX. WIDTH													
MATERIAL	PERFORATION AREA / SHEET													
max. 0.7 Al max. 0.5 Fe	694 / 800 mm													
	MAX. WIDTH													
MATERIAL	PERFORATION AREA / SHEET													
max. 0.7 Al max. 0.5 Fe	694 / 800 mm													
No. 5 	Ø1.1 / 21% <table><tr><td></td><td>MAX. WIDTH</td></tr><tr><td>MATERIAL</td><td>PERFORATION AREA / SHEET</td></tr><tr><td>max. 0.6 Al</td><td>136 / 250 mm</td></tr></table>		MAX. WIDTH	MATERIAL	PERFORATION AREA / SHEET	max. 0.6 Al	136 / 250 mm	 <table><tr><td></td><td>MAX. WIDTH</td></tr><tr><td>MATERIAL</td><td>PERFORATION AREA / SHEET</td></tr><tr><td>max. 0.6 Al</td><td>136 / 250 mm</td></tr></table>		MAX. WIDTH	MATERIAL	PERFORATION AREA / SHEET	max. 0.6 Al	136 / 250 mm
	MAX. WIDTH													
MATERIAL	PERFORATION AREA / SHEET													
max. 0.6 Al	136 / 250 mm													
	MAX. WIDTH													
MATERIAL	PERFORATION AREA / SHEET													
max. 0.6 Al	136 / 250 mm													
FOR PERFORATION OF HIGH GLOSS ANODIZED PRODUCTS ALWAYS CONTACT OUR SALES DEPARTMENT														

Latest information: www.lautex.com

All products are subject to modifications without prior notice

6.1 LTX-PERFORATIONS

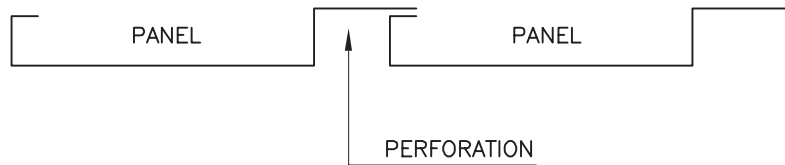
PAGE 2/3

No. 6 	$\emptyset 3.5 / 25\%$ (ONLY FOR CASSETTES)	
No. 7 	$\emptyset 2.5 / 25\%$	
No. 8 	$\emptyset 1.1 / 21\%$	
No. 9 	$\emptyset 1.1 / 10.5\%$	

FOR PERFORATION OF HIGH GLOSS ANODIZED PRODUCTS ALWAYS CONTACT OUR SALES DEPARTMENT

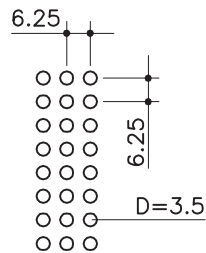
6.1 LAUTEX-VENTILATION PERFORATIONS

PAGE 3/3



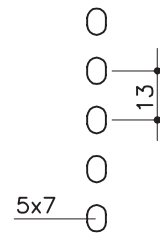
ALT. 1

OPEN AREA: 46 cm²/m



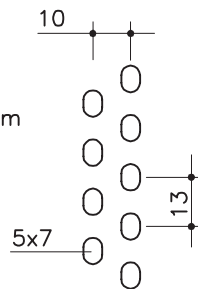
ALT. 2

OPEN AREA: 23 cm²/m



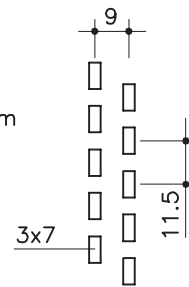
ALT. 3

OPEN AREA: 46 cm²/m



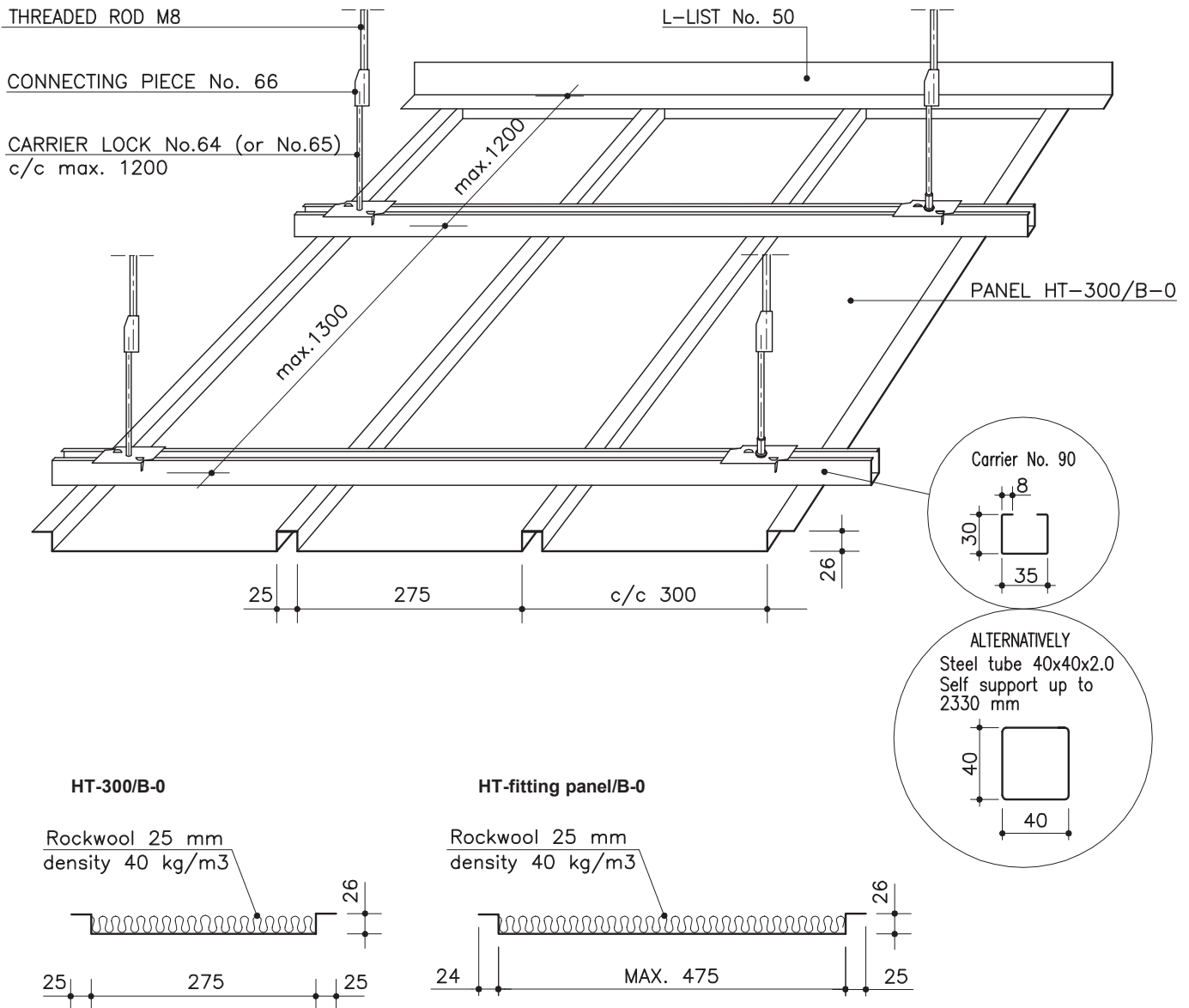
ALT. 4

OPEN AREA: 36.5 cm²/m



FOR PERFORATION OF HIGH GLOSS ANODIZED PRODUCTS ALWAYS CONTACT OUR SALES DEPARTMENT

MARINE PANEL LAUTEX HT-300 / B-0 / A-15 DECK



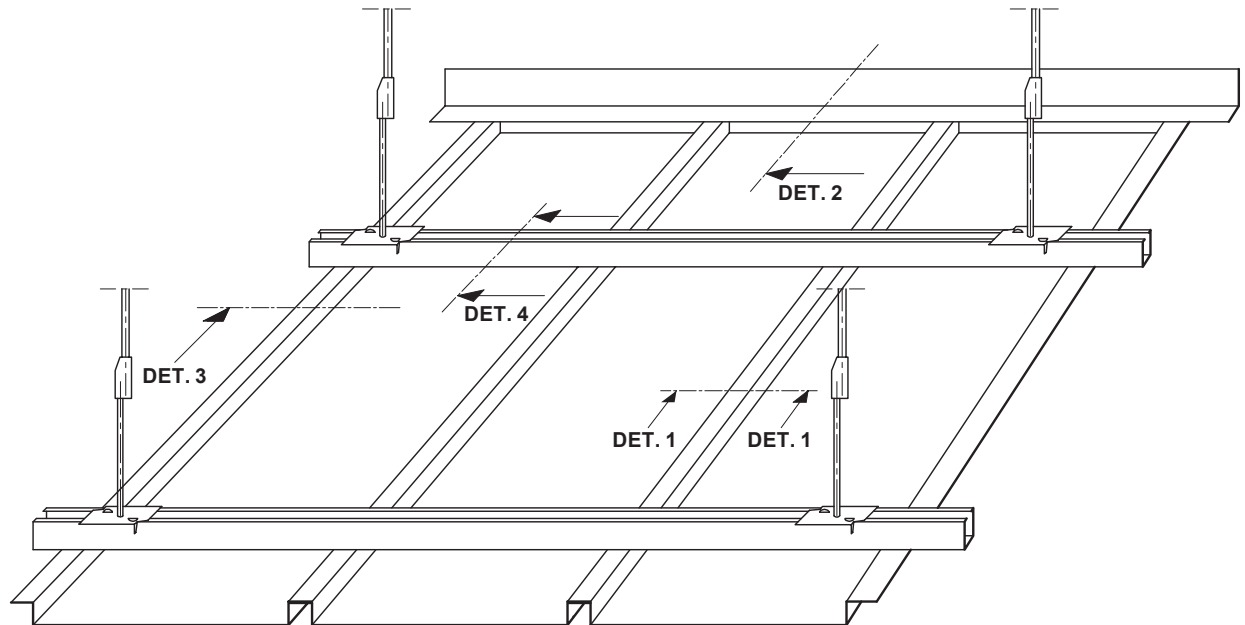
HT-300 PANELS / CLASSIFICATION "B-0"

Material	0.6 mm Steel
Width	200 mm, 300 mm, fittings max 500 mm
Height	26 mm
Length	max 6500 mm, fittings max 4000mm
Insulation	rockwool, density 40 kg/m ³ , s=25 mm
Finish	stove enamelled according to any well-known colour chart
Protective film	the surface is provided with a protective film
End bendings	standard
Other special solutions	please contact our technical information department

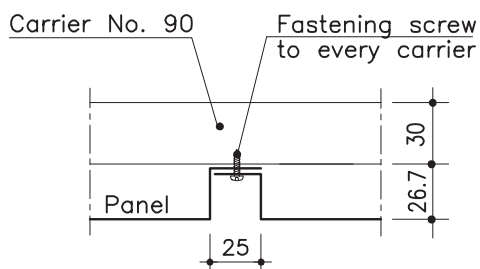
Latest information: www.lautex.com

All products are subject to modifications without prior notice

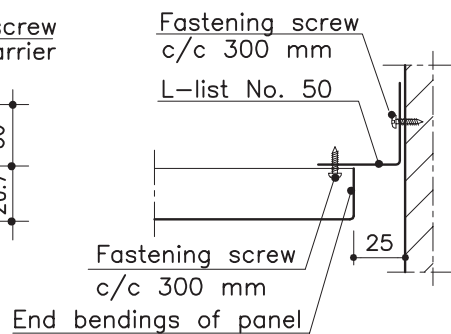
MARINE PANEL LAUTEX HT-300 / B-0 / A-15 DECK



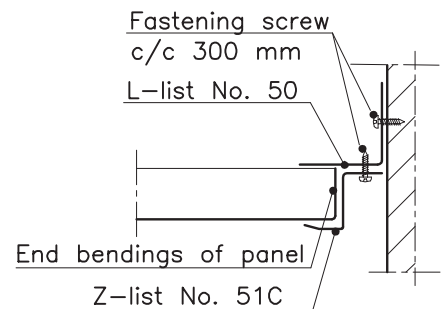
DET. 1



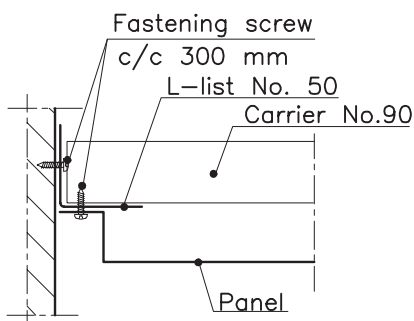
DET. 2 (ALT. 1)



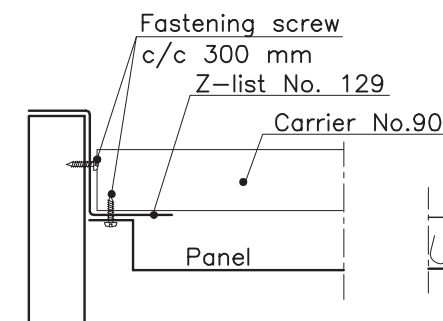
DET. 2 (ALT. 2)



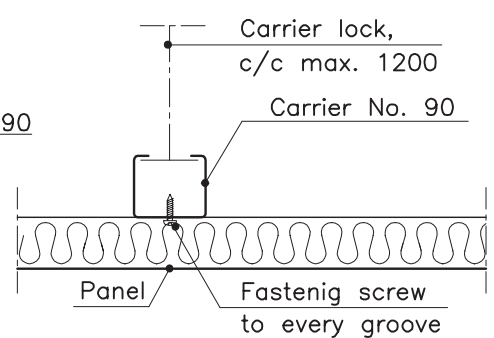
DET. 3 (ALT. 1)



DET. 3 (ALT. 2)



DET. 4



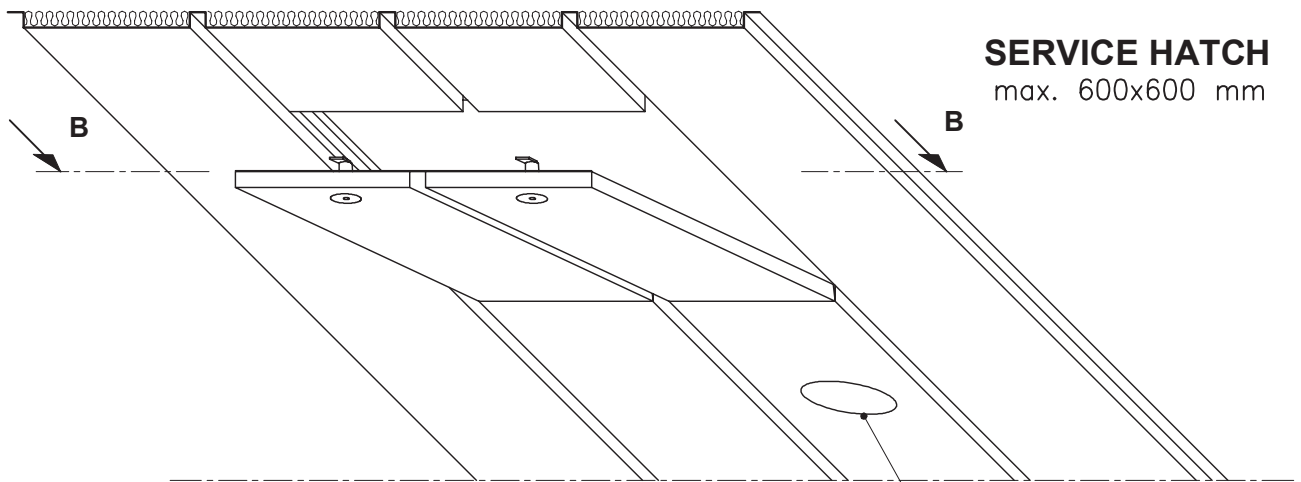
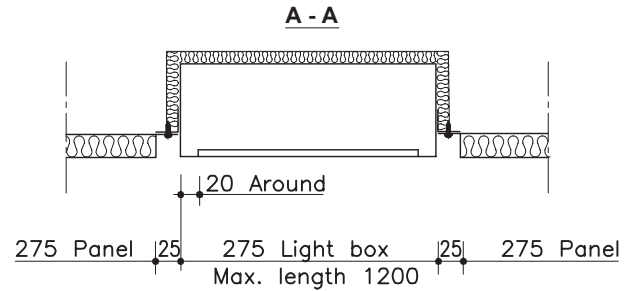
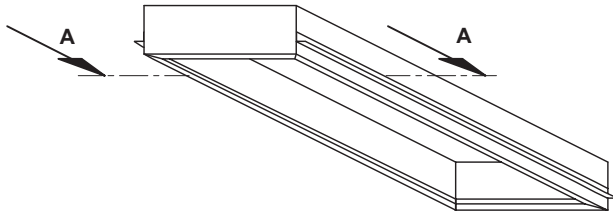
Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX HT-300 / B-0 / A-15 DECK

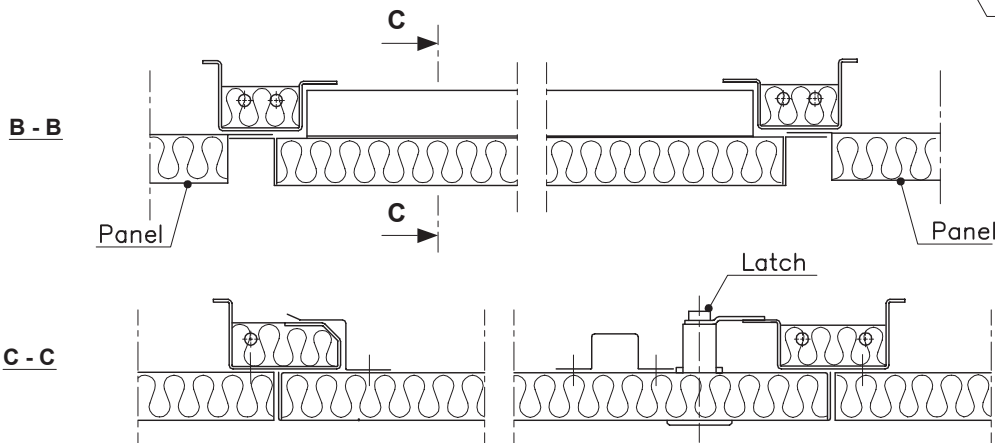
DOWNLIGHT BOX

max. 275x1200



SERVICE HATCH

max. 600x600 mm



THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 90	0.8 m/m ²
Carrier lock	1 pcs / carrier meter
L-list No. 50	0.8 - 1.4 m/m ²
Z-list No. 51C	0.0 - 1.4 m/m ²
Screw 4.2X13 No.75	~8 pcs /m ²

WEIGHT OF OTHER CEILING MATERIALS

Carrier No. 90	0.83 kg/m
Carrier lock	0.08 kg/pcs
L-list No. 50 (1.0 mm steel)	0.64 kg/m
Z-list No. 51C (1.0 mm steel)	0.52 kg/m
Z-list No. 129 (1.0 mm steel)	0.83 kg/m

WEIGHT OF PANELS KG / M²

Panel	HT-300/B-0
Material	0.6 mm steel
Weight *	6.92 kg

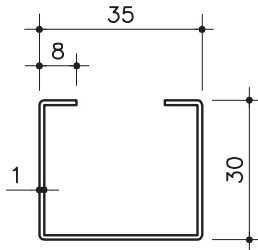
Latest information: www.lautex.com

All products are subject to modifications without prior notice

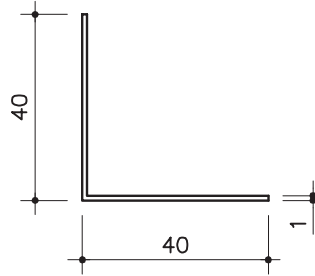
MARINE PANEL LAUTEX HT-300 / B-0 / A-15 DECK

ACCESSORIES

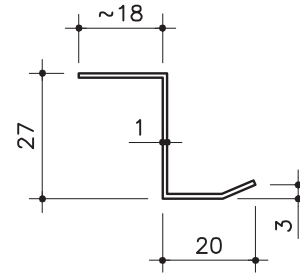
No. 90. CARRIER



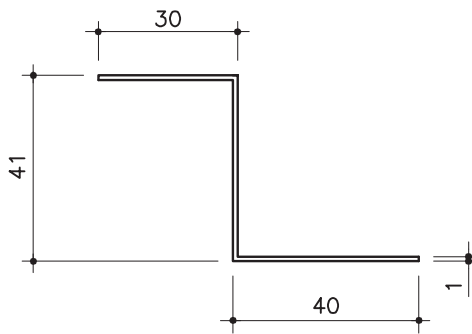
No. 50. L-LIST



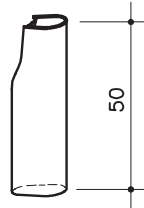
No. 51c. Z-LIST



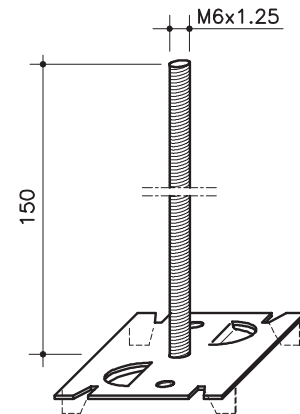
No. 129. L-LIST



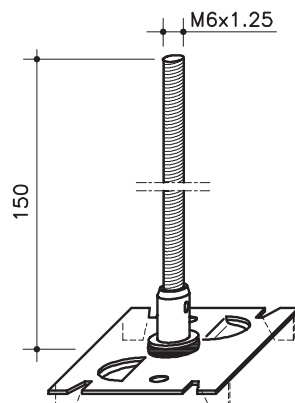
No. 66. CONNECTING PIECE



No. 64. CARRIER LOCK



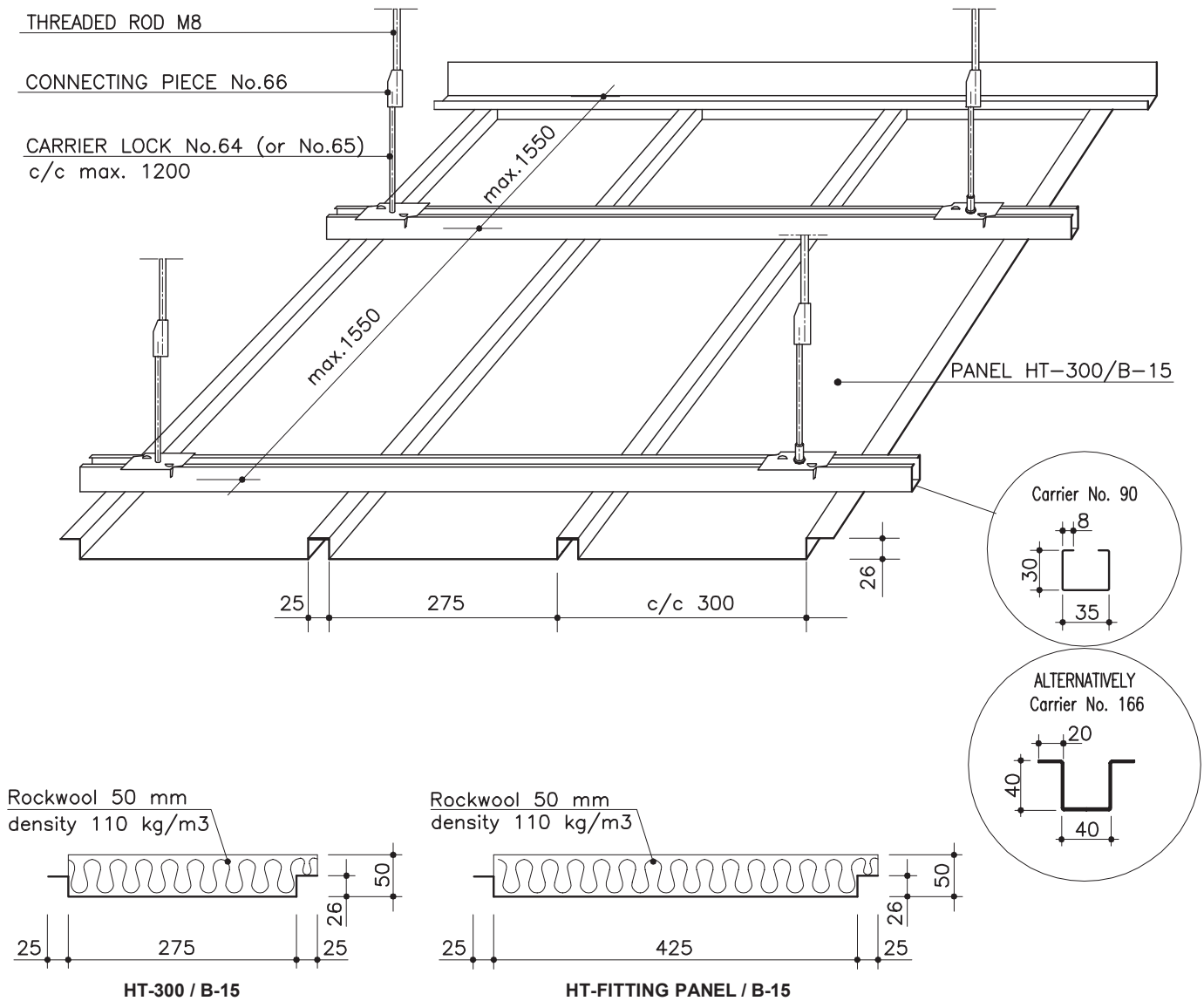
No. 65. CARRIER LOCK
VIBRATION INSULATED



Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX HT-300 / B-15 / A-30 DECK



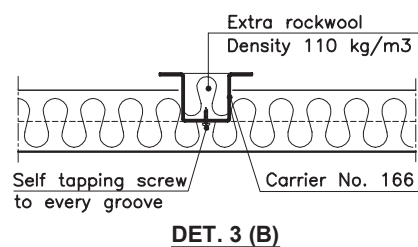
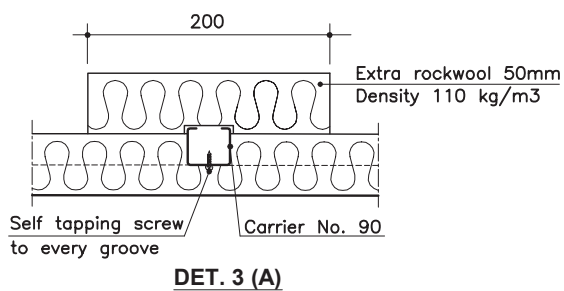
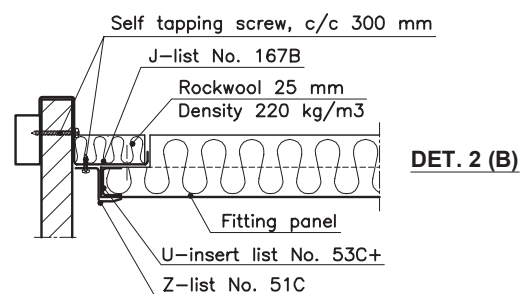
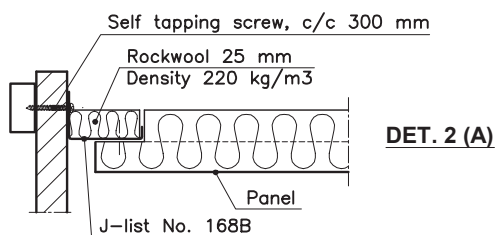
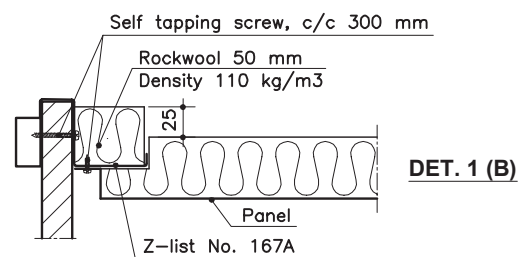
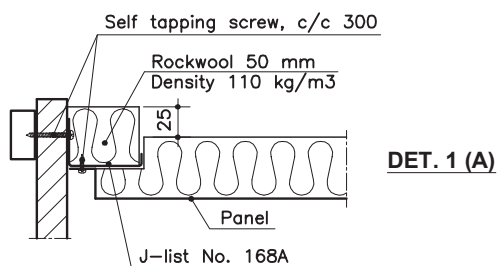
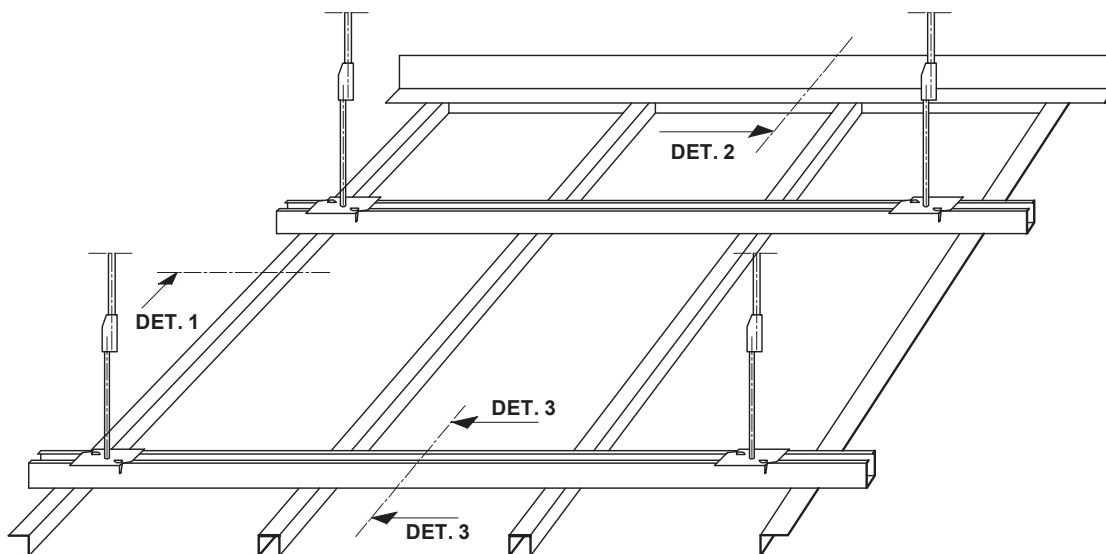
HT-300 PANELS / CLASSIFICATION "B-15"

Material	0.6 mm steel
Width	200 mm, 300 mm, fittings max. 450 mm
Height	26 mm (50 mm with insulation)
Length	max 6500 mm
Insulation	rockwool, density 110 kg/m ³ , s=50 mm
Finish	stove enamelled according to any well-known colour chart
Protective film	the surface is provided with a protective film
End bendings	standard
Extra rockwool	density 110 kg/m ³
Other special solutions	please contact our technical information department

Latest information: www.lautex.com

All products are subject to modifications without prior notice

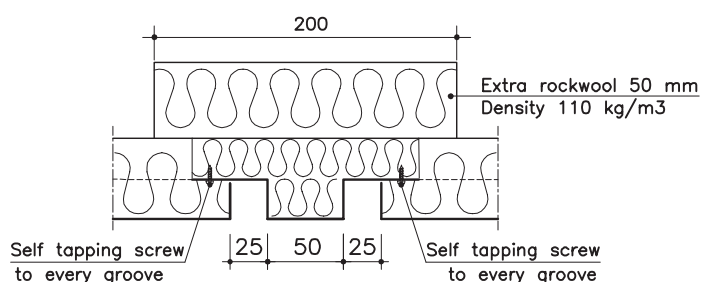
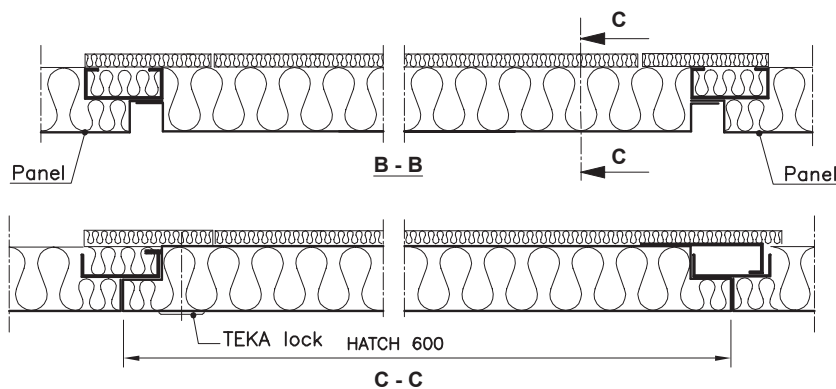
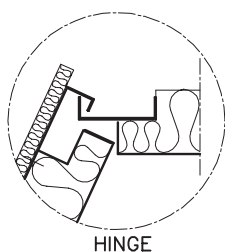
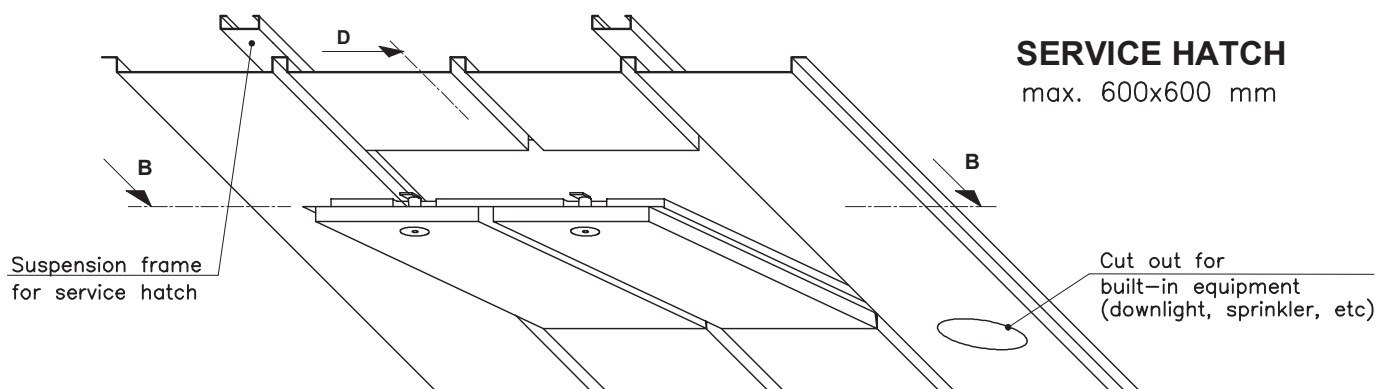
MARINE PANEL LAUTEX HT-300 / B-15 / A-30 DECK



Latest information: www.lautex.com

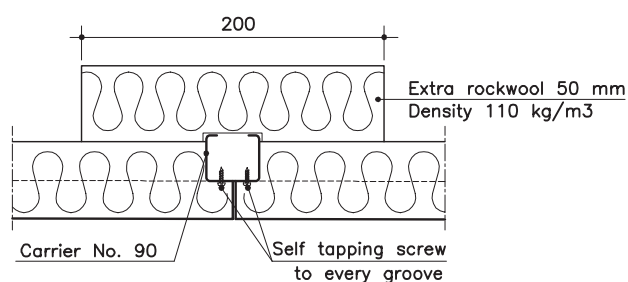
All products are subject to modifications without prior notice

MARINE PANEL LAUTEX HT-300 / B-15 / A-30 DECK

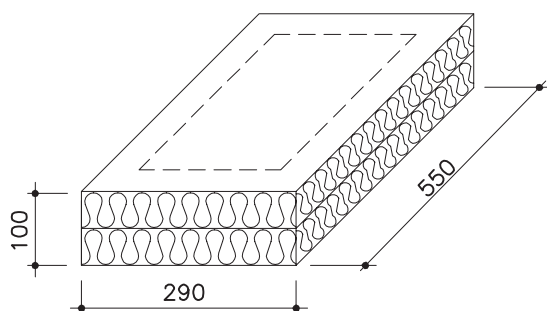


D-D (A)

PANEL JOINT



D-D (B)

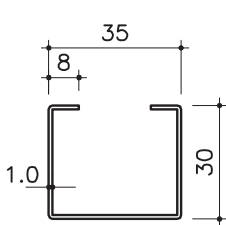


Wool box above the equipments

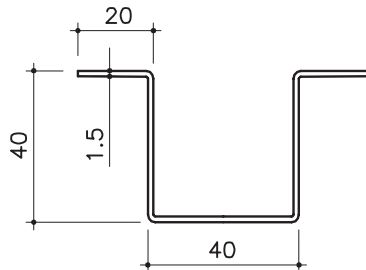
Latest information: www.lautex.com

All products are subject to modifications without prior notice

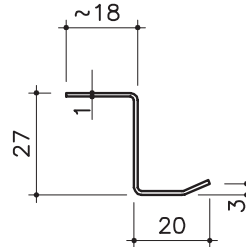
MARINE PANEL LAUTEX HT-300 / B-15 / A-30 DECK ACCESSORIES



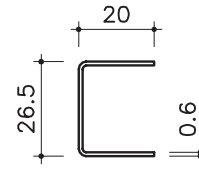
No. 90. CARRIER



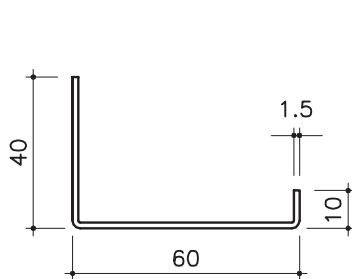
No. 166. CARRIER



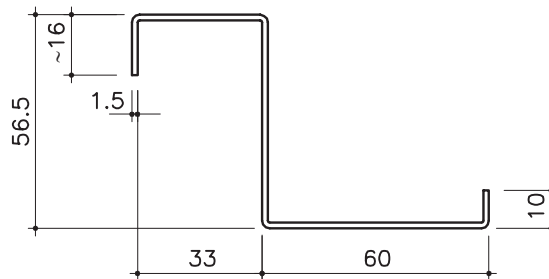
No. 51C. Z-LIST



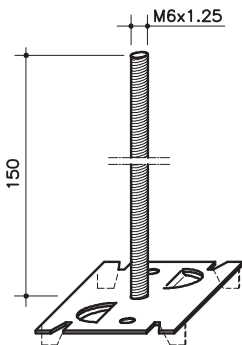
No. 53C+
U-INSERT LIST



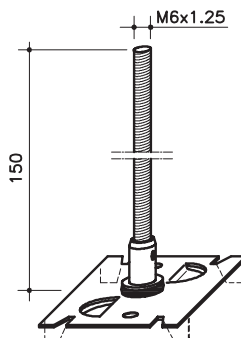
No. 168A and 168B J-LIST



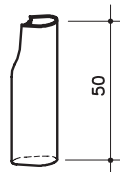
No. 167A and 167B Z-LIST



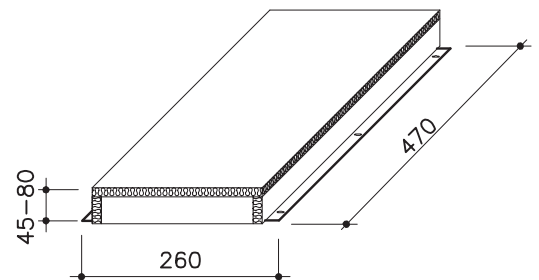
CARRIER LOCK
No. 64



CARRIER LOCK
No. 65
VIBRATION INSULATED



CONNECTING PIECE
No. 66



Box above the equipments
Insulated metal box

THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 90	1.2 – 1.6 m/m ²
Carrier lock	1 pcs / carrier meter
Z-list No. 51C	0.8 – 1.4 m/m ²
Screw 4.2x13 No.75	~7 pcs /m ²

WEIGHT OF PANELS KG / M²

Panel	HT-300/B-15
Material	0.6 mm steel
Weight	11.2

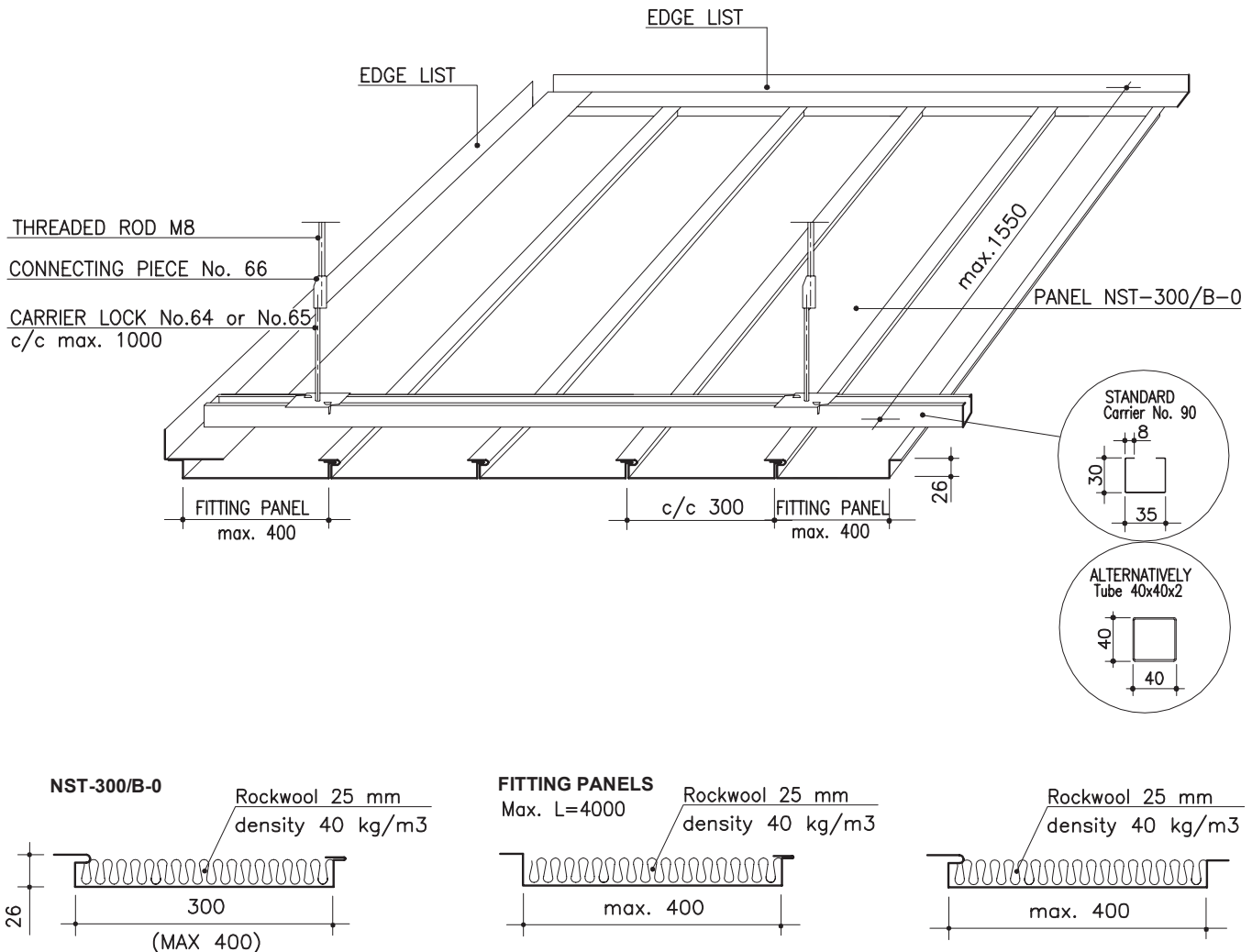
WEIGHT OF OTHER CEILING MATERIALS

Extra rockwool	5.50 kg/m ²
Carrier No. 90	0.83 kg/m
Carrier lock	0.08 kg/pcs
Z-list No. 51C (1.0 steel)	0.52 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX NST-300 / B-0 / A-30 DECK



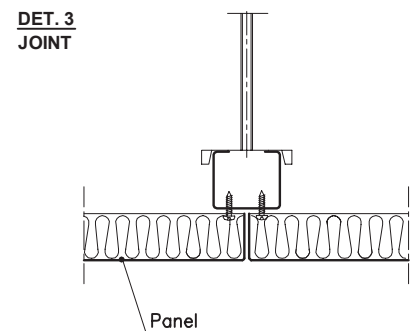
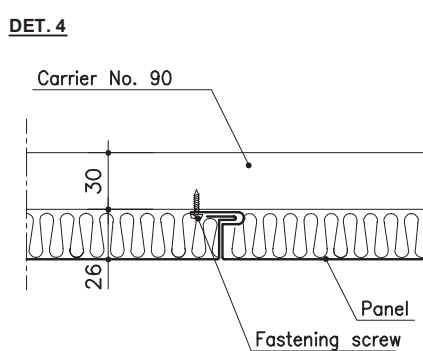
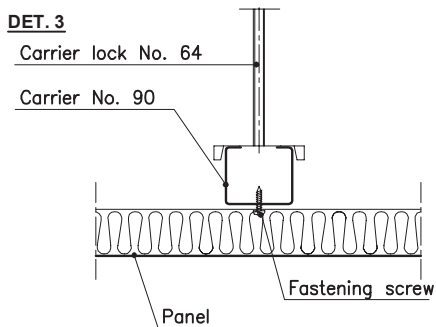
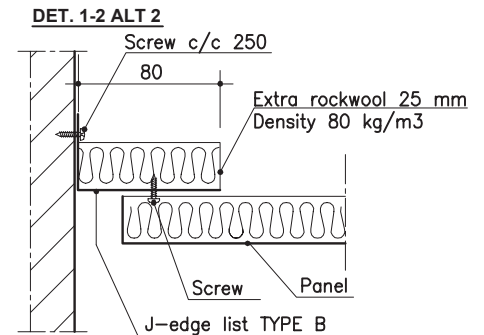
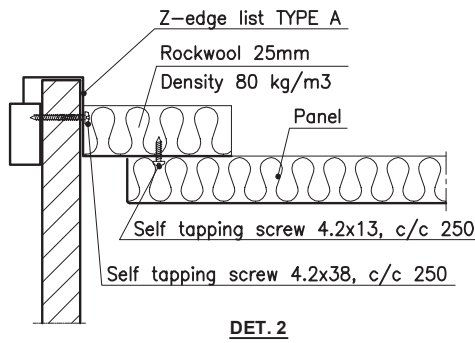
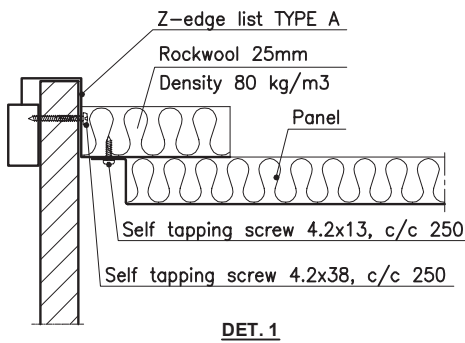
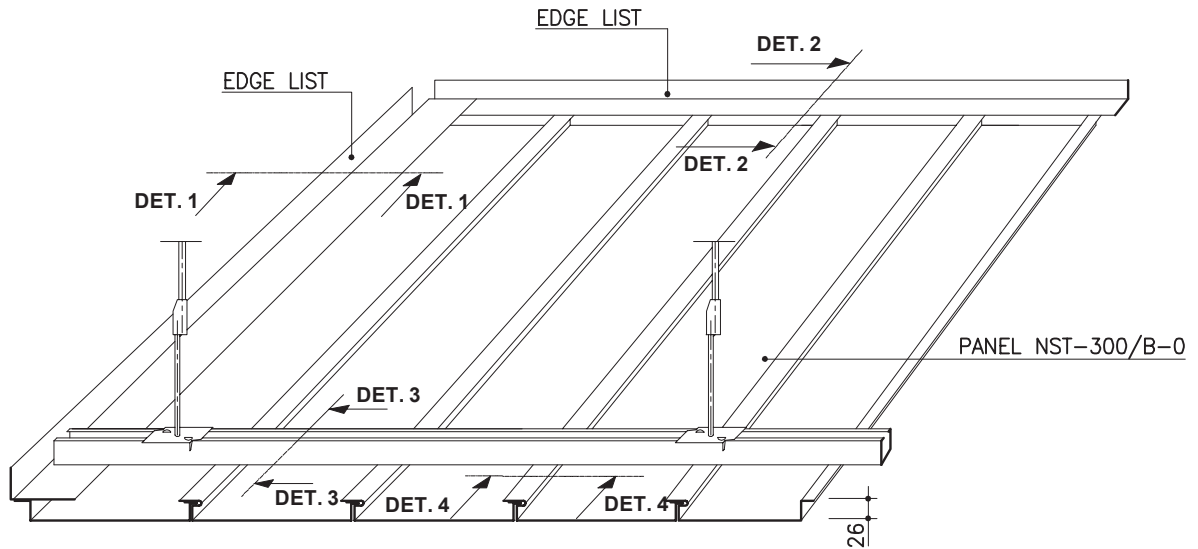
NST-300 PANELS / CLASSIFICATION "B-0"

Material	0.6 mm steel
Width	300 mm
Height	26 mm
Length	max. 6500 mm
Insulation	rockwool, density 40 kg/m ³ , s=25 mm
Extra rockwool	rockwool, density 80 kg/m ³ , s=25 mm
Finish	stove enamelled according to any well-known colour chart
Protective film	the surface is provided with a protective film if required
End bendings	standard for straight cut ends
Other special solutions	please contact our technical information department

Latest information: www.lautex.com

All products are subject to modifications without prior notice

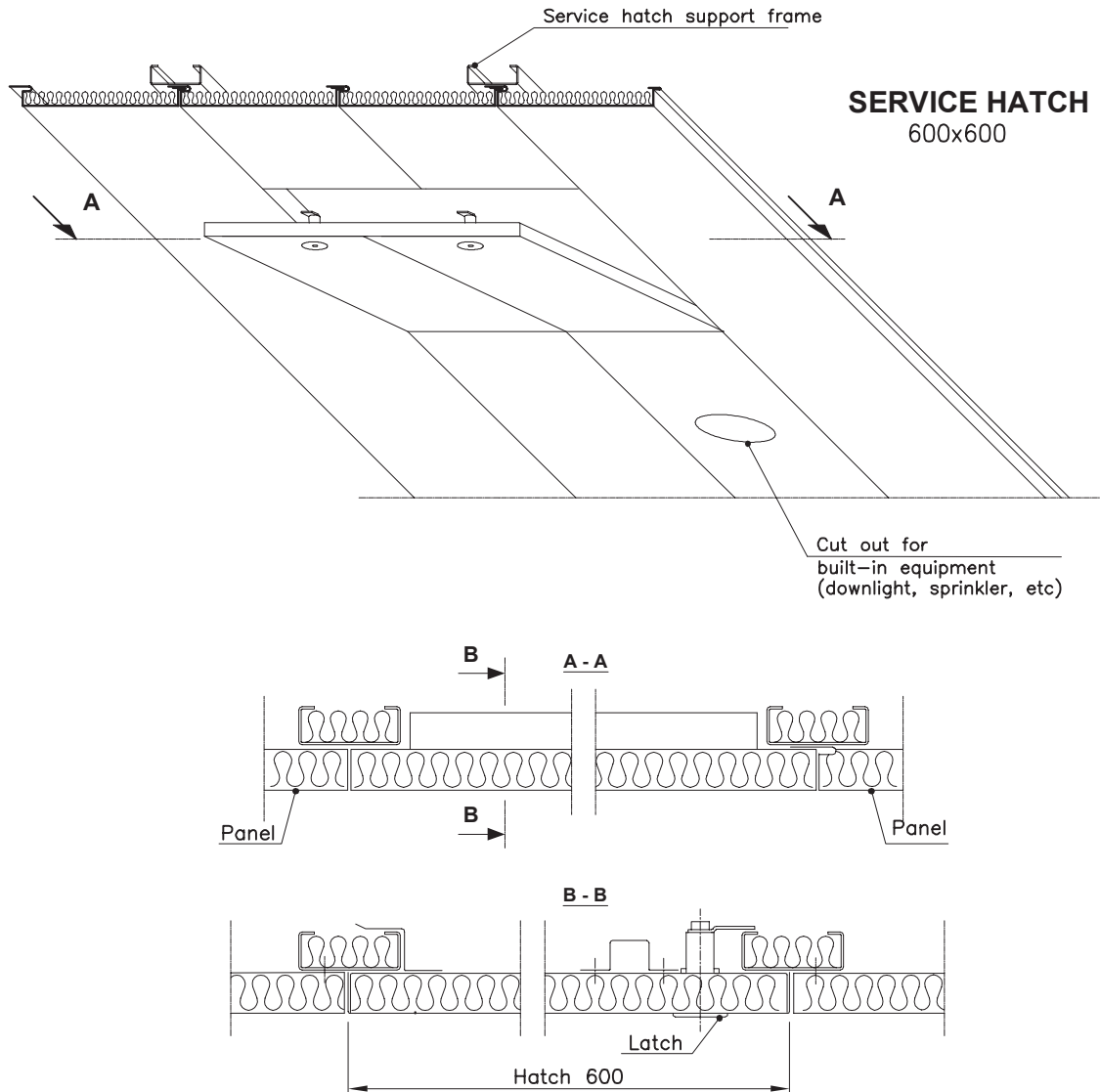
MARINE PANEL LAUTEX NST-300 / B-0 / A-30 DECK



Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX NST-300 / B-0 / A-30 DECK



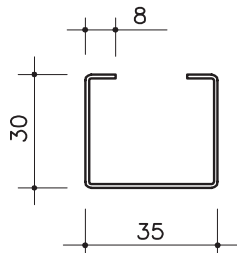
Latest information: www.lautex.com

All products are subject to modifications without prior notice

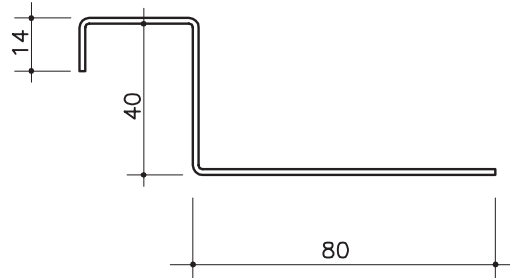
MARINE PANEL LAUTEX NST-300 / B-0

ACCESSORIES

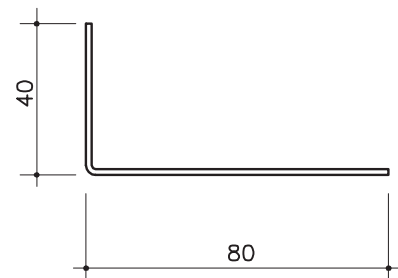
No. 90 CARRIER



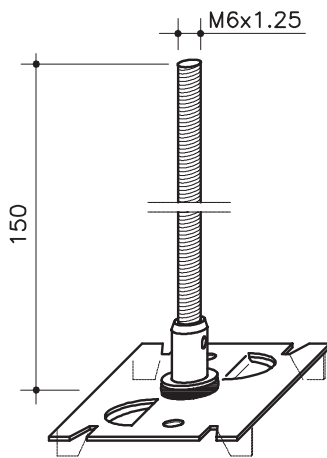
CEILING EDGE LIST No.86
TYPE A
Fe 1.5



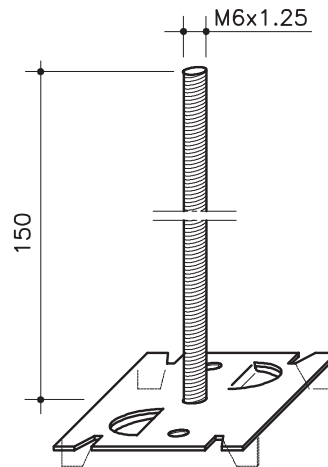
CEILING EDGE LIST No.86
TYPE B
Fe 1.5



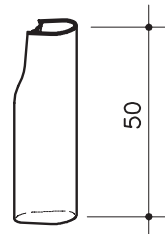
No. 65. CARRIER LOCK
VIBRATION INSULATED



No. 64. CARRIER LOCK



No. 66. CONNECTING PIECE



THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 90	1.0 – 0.7 m/m ²
Carrier lock	1 pcs / carrier meter
Ceiling edge list No.86	0.8 – 1.4 m/m ²
Screw 4.2x13 No.75	~8 pcs/m ²

WEIGHT OF PANELS KG / M²

	NST-300/B-0
Material	0.6 steel
Weight	7.64 kg

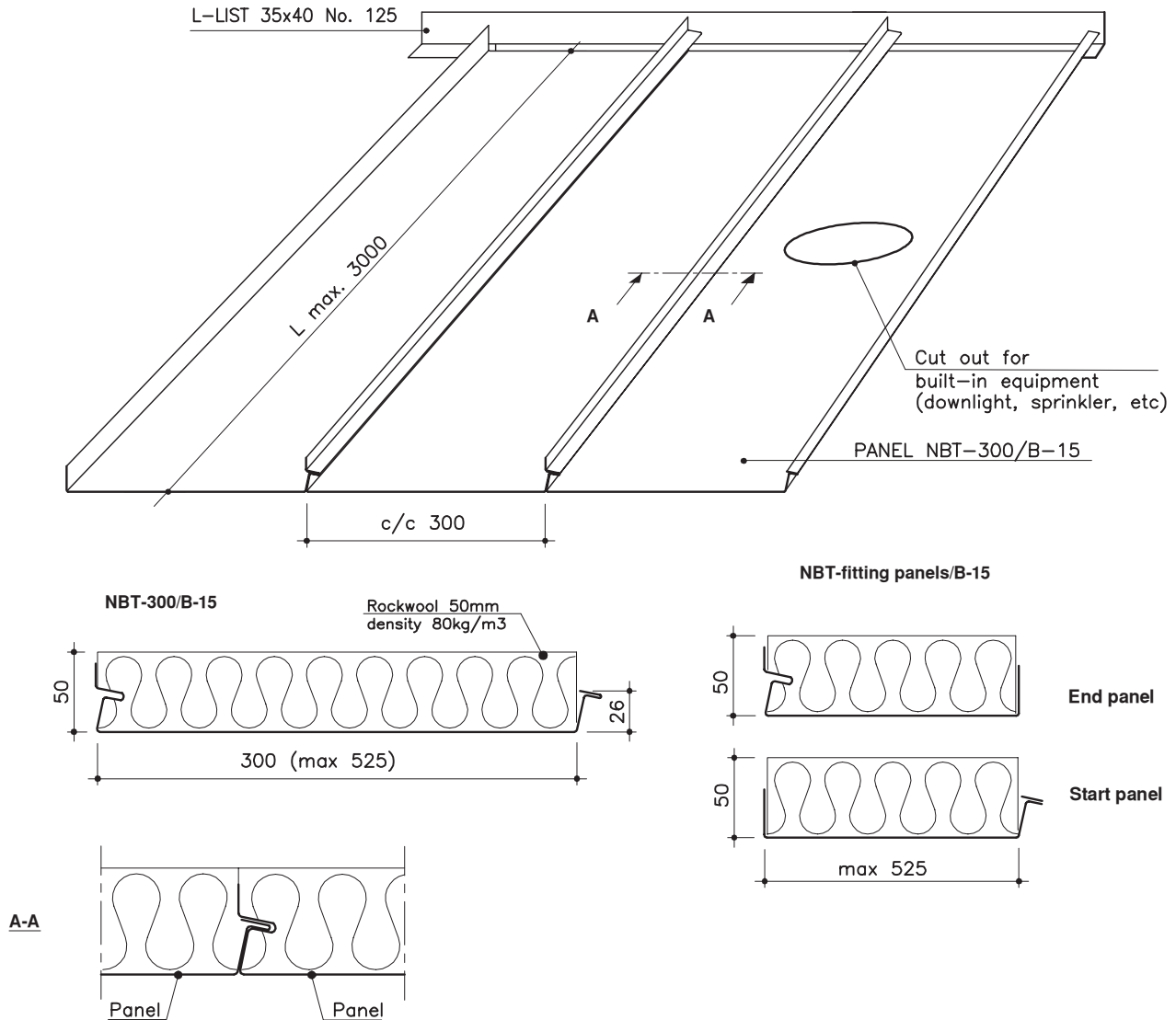
WEIGHT OF OTHER CEILING MATERIALS

Extra rockwool, density 80 kg/m ³	2.0 kg/m ²
Carrier No. 90	0.83 kg/m
Carrier lock	0.08 kg/pcs

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX NBT-300 / B-15 / A-30 DECK



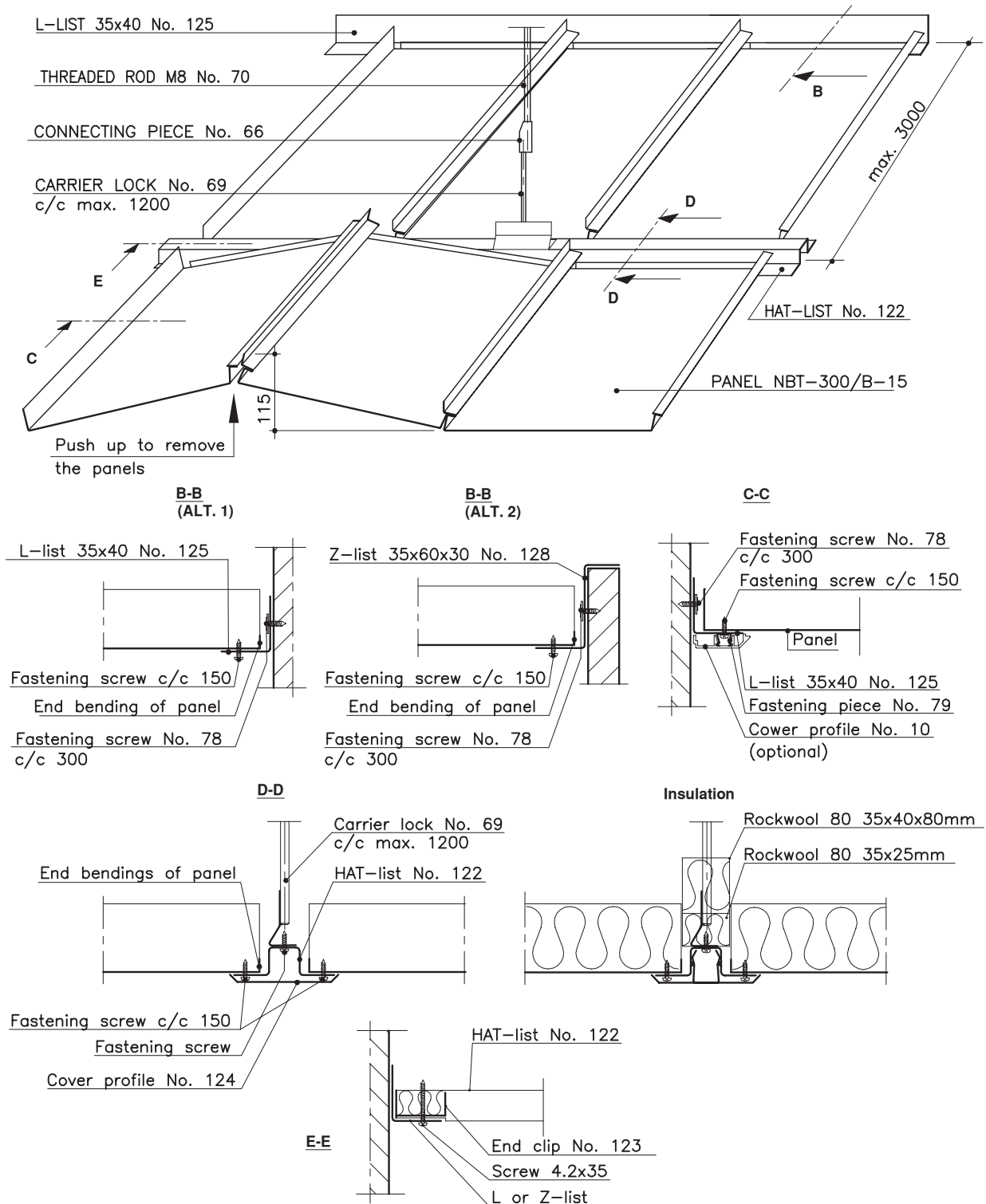
NBT-300 PANELS / CLASSIFICATION "B-15"

Material	0.6 Steel (0.7 Steel 525 width)
Width	300 mm, fittings max 525mm
Height	50 mm
Length	max 3000 mm
Insulation	rockwool, density 80 kg/m ³ , s=50
Finish	stove enamelled according to any well-known colour chart
Protective film	the surface is provided with a protective film
End bendings	standard
Other special solutions	please contact our technical information department

Latest information: www.lautex.com

All products are subject to modifications without prior notice

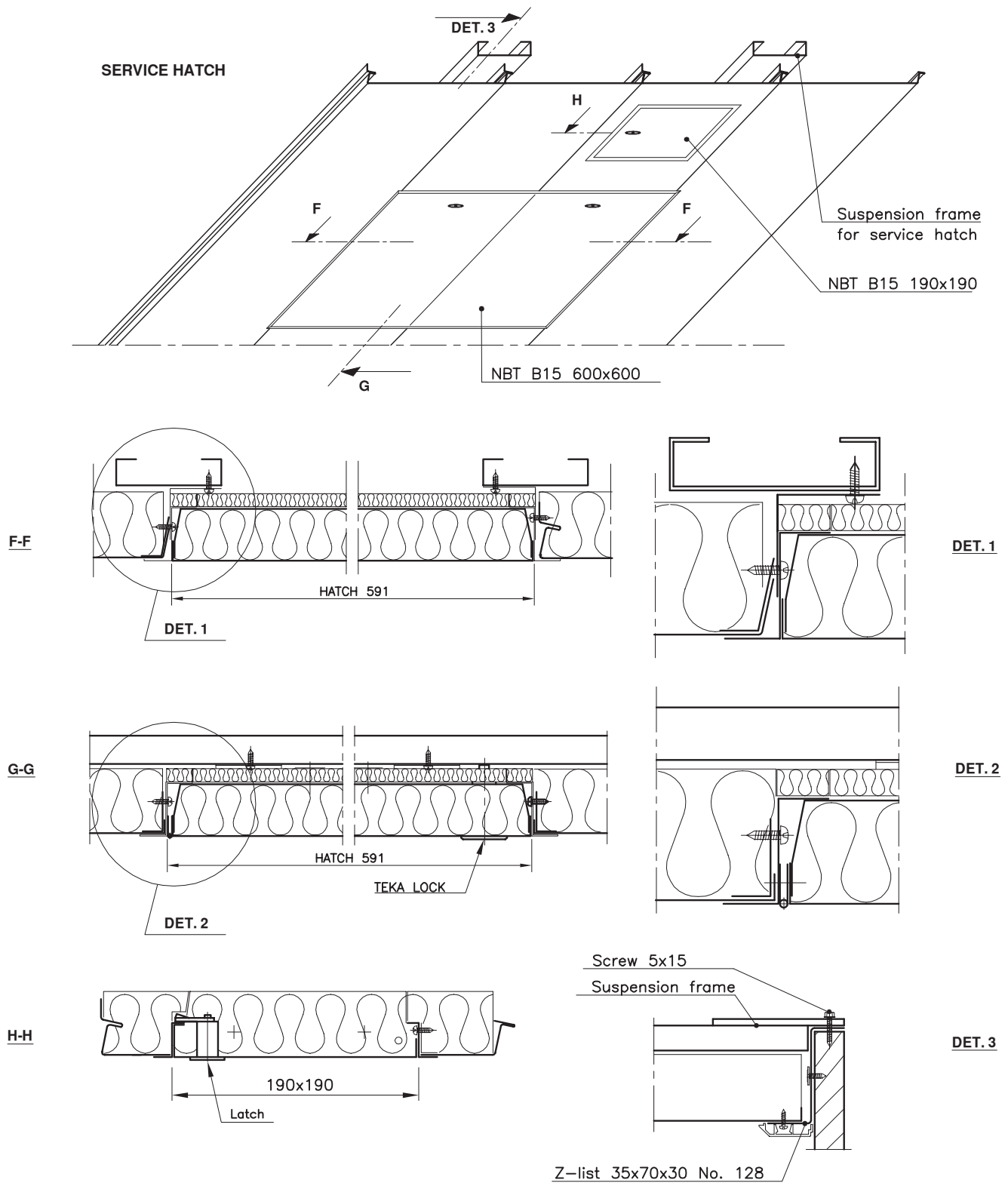
MARINE PANEL LAUTEX NBT-300 / B-15 / A-30 DECK



Latest information: www.lautex.com

All products are subject to modifications without prior notice

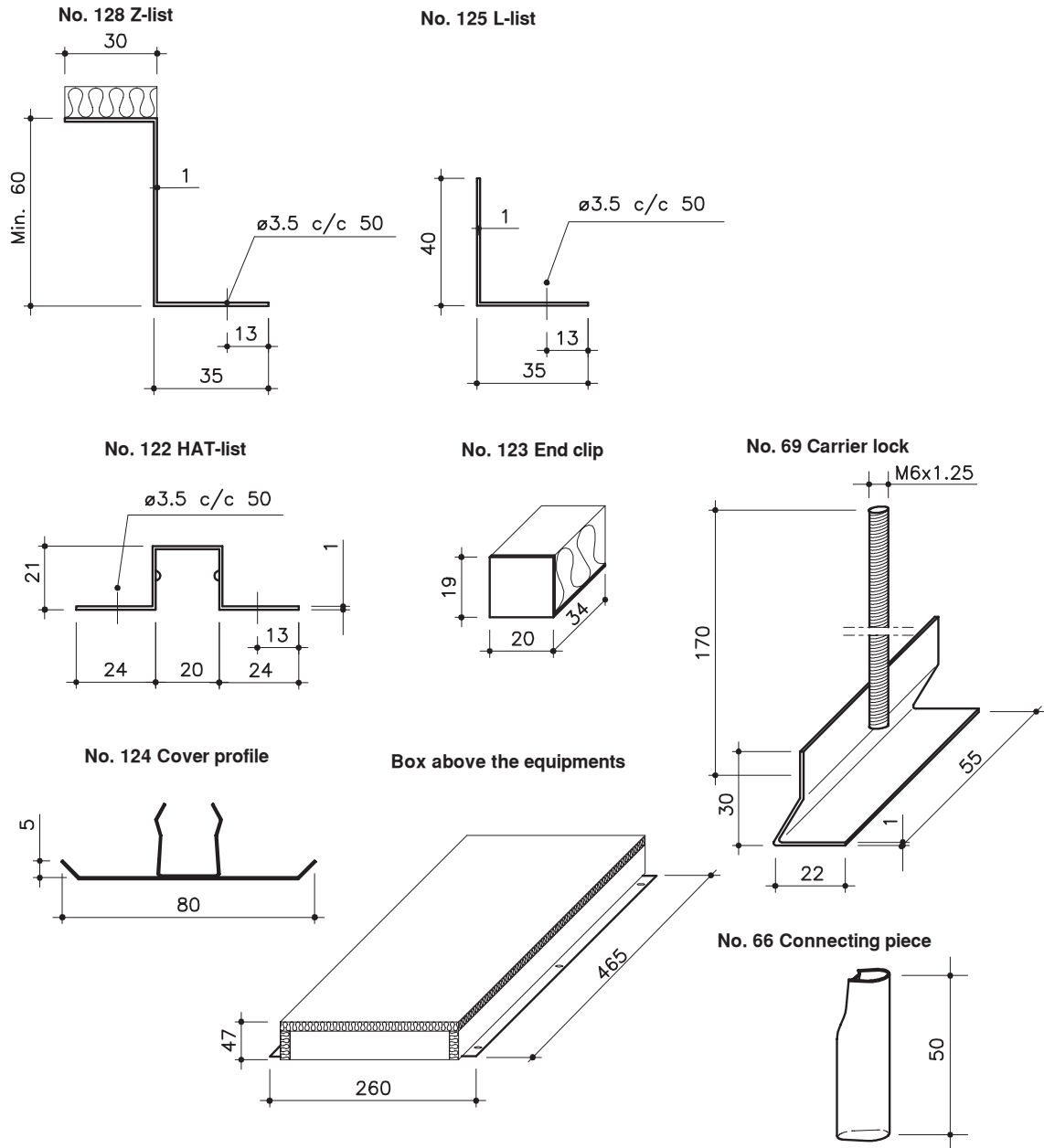
MARINE PANEL LAUTEX NBT-300 / B-15 / A-30 DECK



Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE PANEL LAUTEX NBT-300 / B-15 / A-30 DECK ACCESSORIES



THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
L-list No. 125	0.8 – 1.4 m/m ²
Z-list No. 126	0.8 – 1.4 m/m ²
Screw 4.2x13 No.75	~17 pcs /m ²

WEIGHT OF PANELS KG / M2

Panel	NBT-300/B-15
Material	0.6 steel
Weight *	10.65 kg/m ²

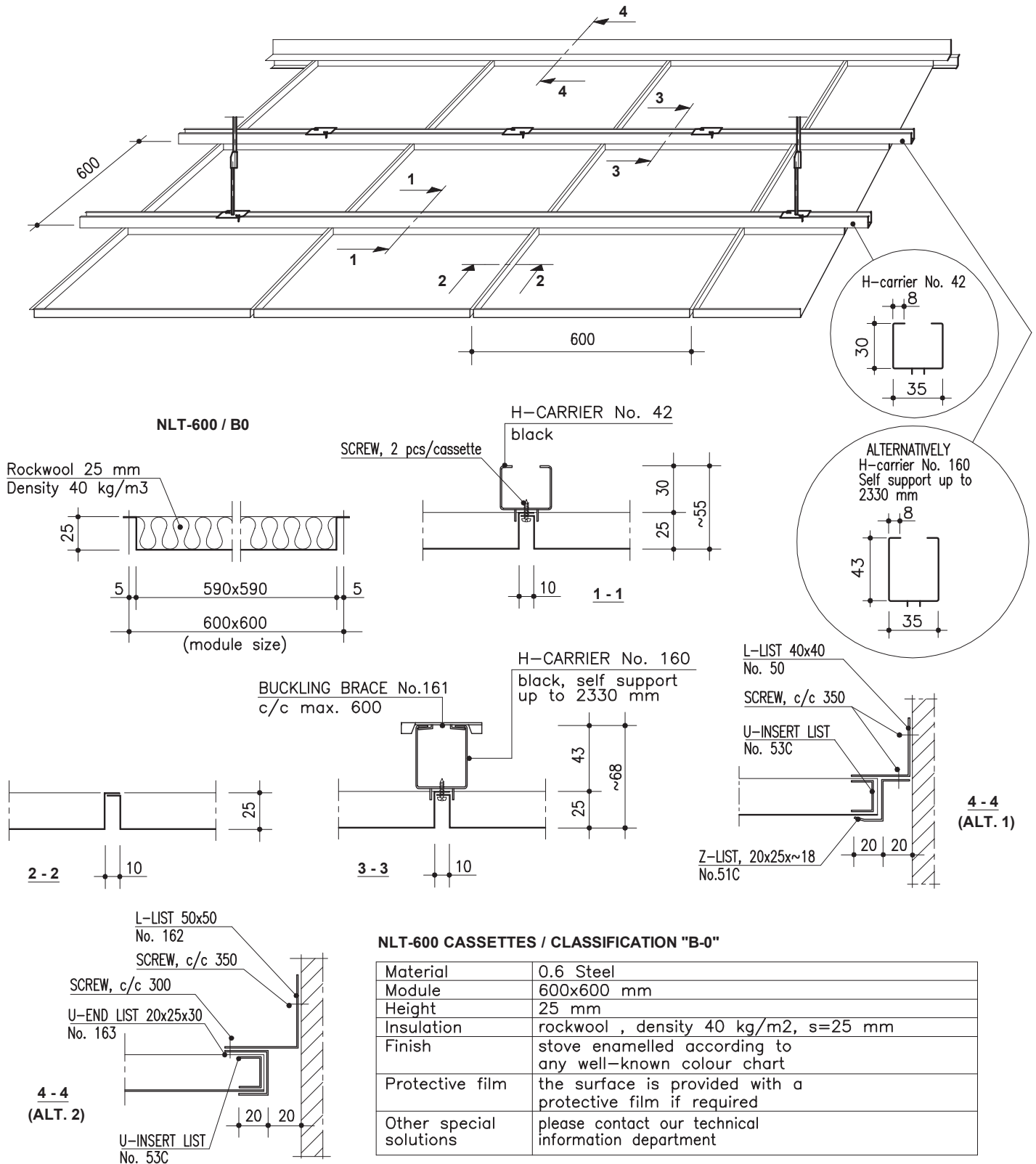
WEIGHT OF OTHER CEILING MATERIALS

Carrier lock	0.03 kg/pcs
L-list No. 125 (1.0 steel)	0.60 kg/m
Z-list No. 126 (1.0 steel)	1.00 kg/m
HAT-list No. 122 (1.0 steel)	0.90 kg/m
Support profile (1.5 steel)	1.68 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

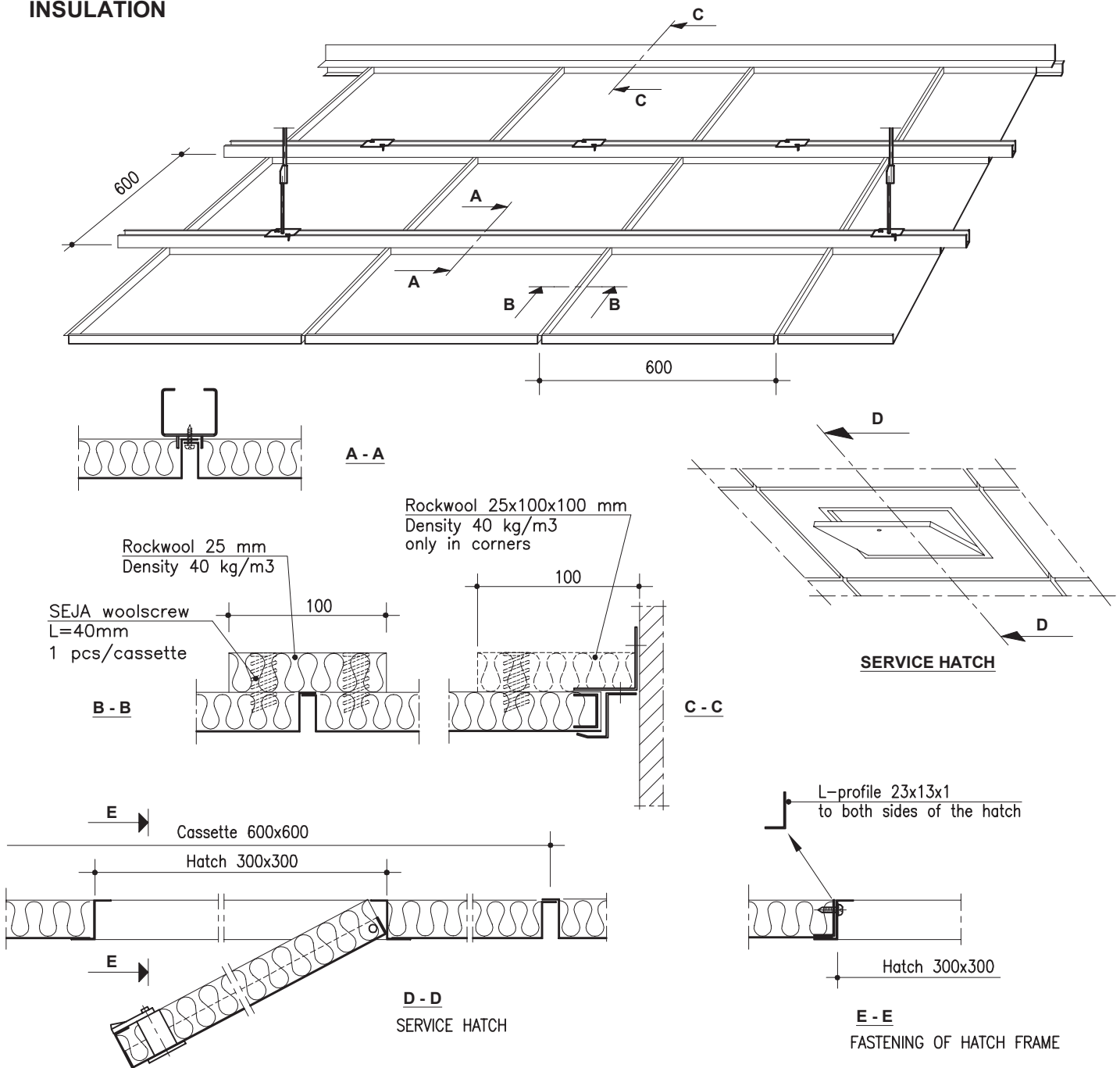
MARINE CASSETTE LAUTEX NLT-600 / B-0 / A-15 DECK



Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE CASSETTE LAUTEX NLT-600 / B-0 / A-15 DECK INSULATION



THEORETICAL NEED OF SUSPENSION STRUCTURES

Product	Need of material
Carrier No. 42	1.8 m/m ²
L-list No. 50	0.8–1.4 m/m ²
Z-list No. 51C	0.8–1.4 m/m ²

WEIGHT OF CEILING

Cassette	NL-600
Material	0.6 steel
Weight	6.6 Kg/m ²

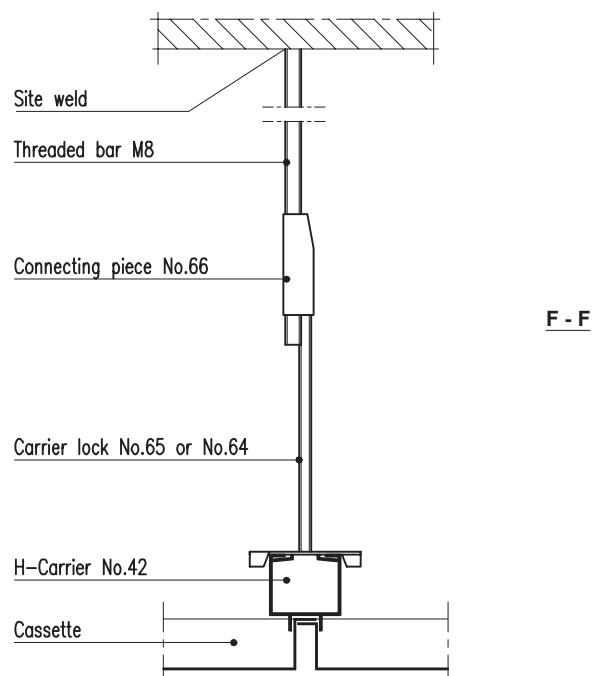
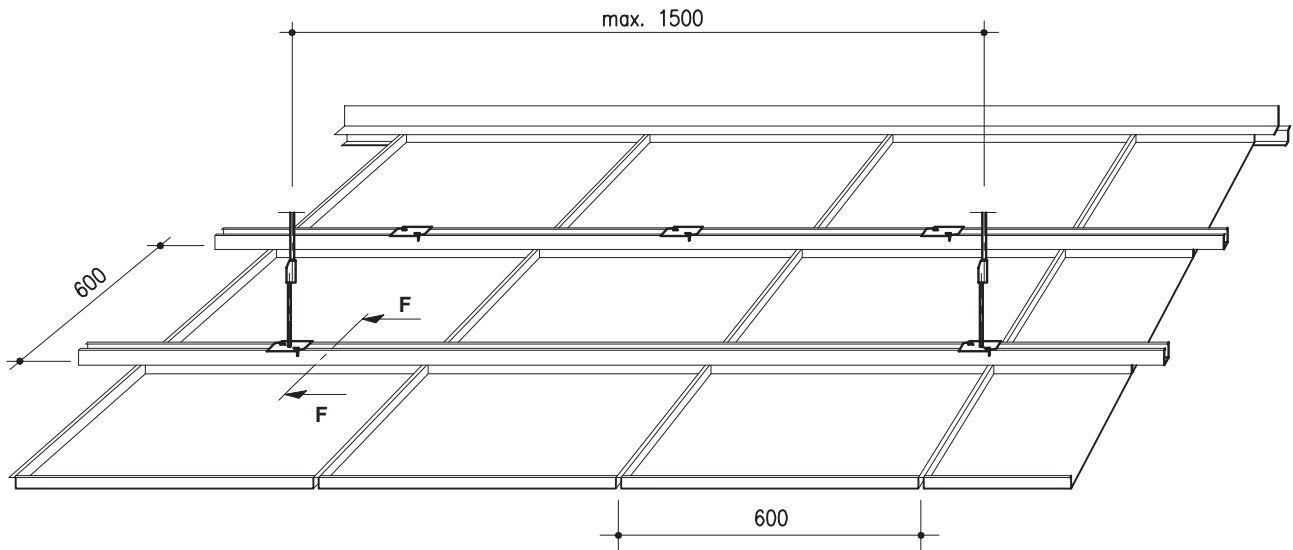
WEIGHT OF OTHER CEILING MATERIALS

Product	Weight of material
Carrier No. 42 (1.0 steel)	0.83 kg/m
Carrier No. 160 (1.0 steel)	1.04 kg/m
L-List No. 50 (1.0 steel)	0.64 kg/m
L-List No. 162 (1.0 steel)	0.80 kg/m
Z-list No. 51C (1.0 steel)	0.52 kg/m
U-List No. 163 (1.0 steel)	0.59 kg/m

Latest information: www.lautex.com

All products are subject to modifications without prior notice

MARINE CASSETTE LAUTEX NLT-600 / B-0 / A-15 DECK SUSPENSION

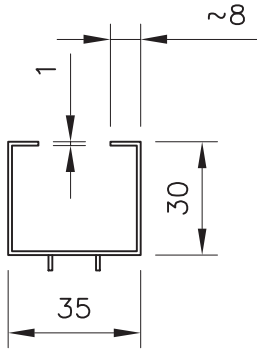


Latest information: www.lautex.com

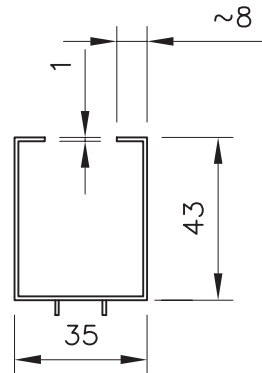
All products are subject to modifications without prior notice

MARINE CASSETTE LAUTEX NLT-600 / B-0 / A-15 DECK

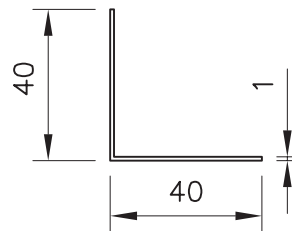
ACESSORIES



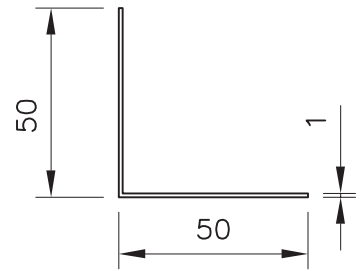
H-Carrier No.42



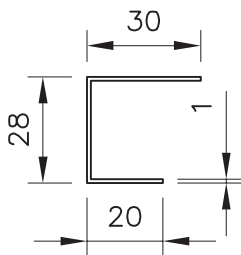
H-Carrier No.160



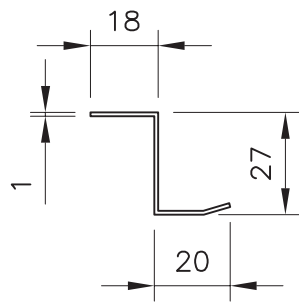
L-List No.50



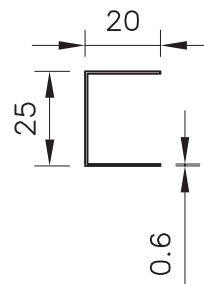
L-List No.162



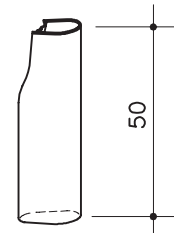
U-List No.163



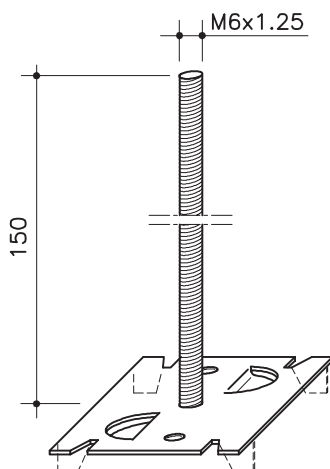
Z-List No.51C



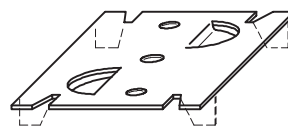
U-Insert List No.53C



Connecting piece No.66



Carrier lock No.64 or No.65

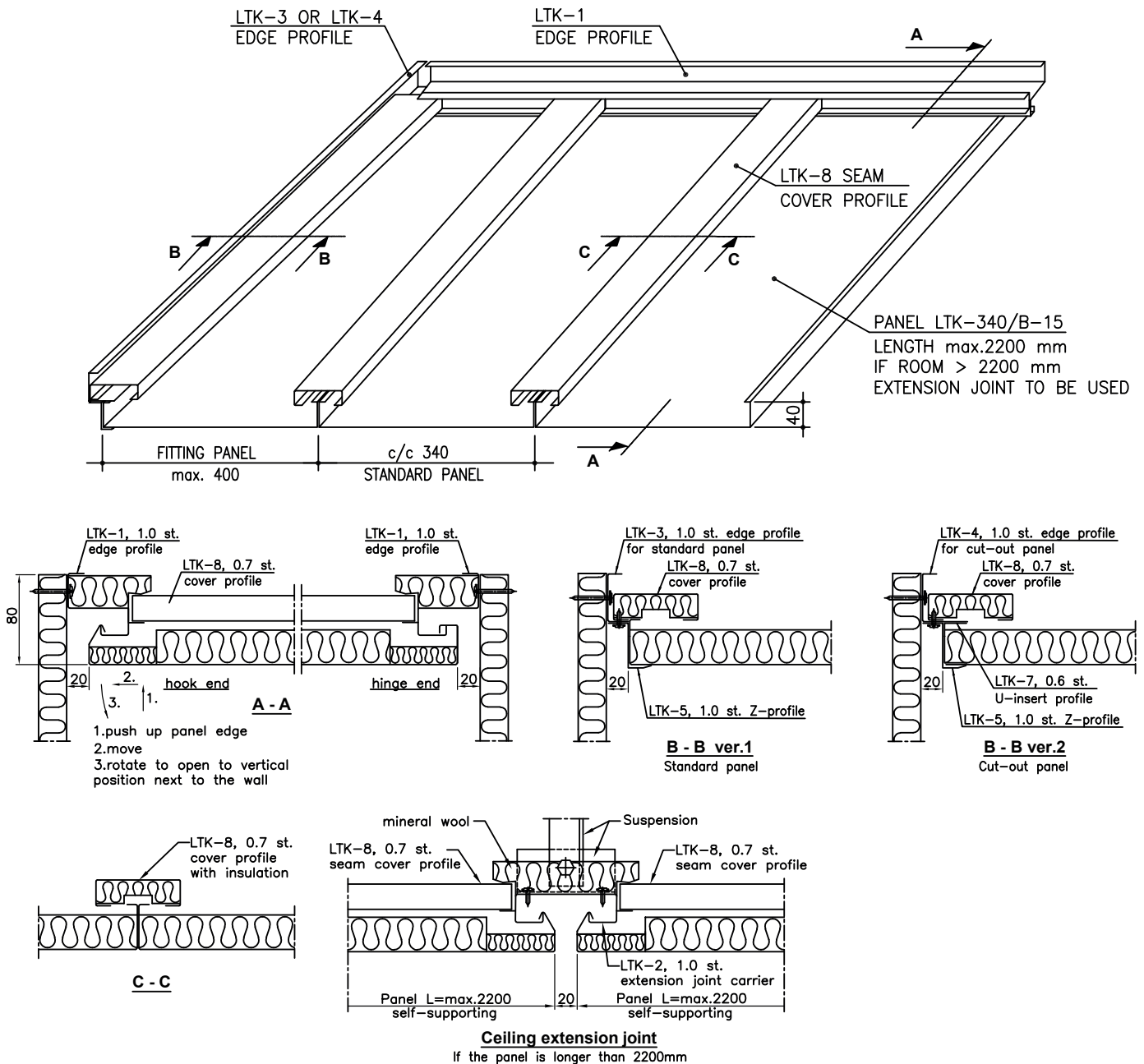


Buckling brace No.160

Latest information: www.lautex.com

All products are subject to modifications without prior notice

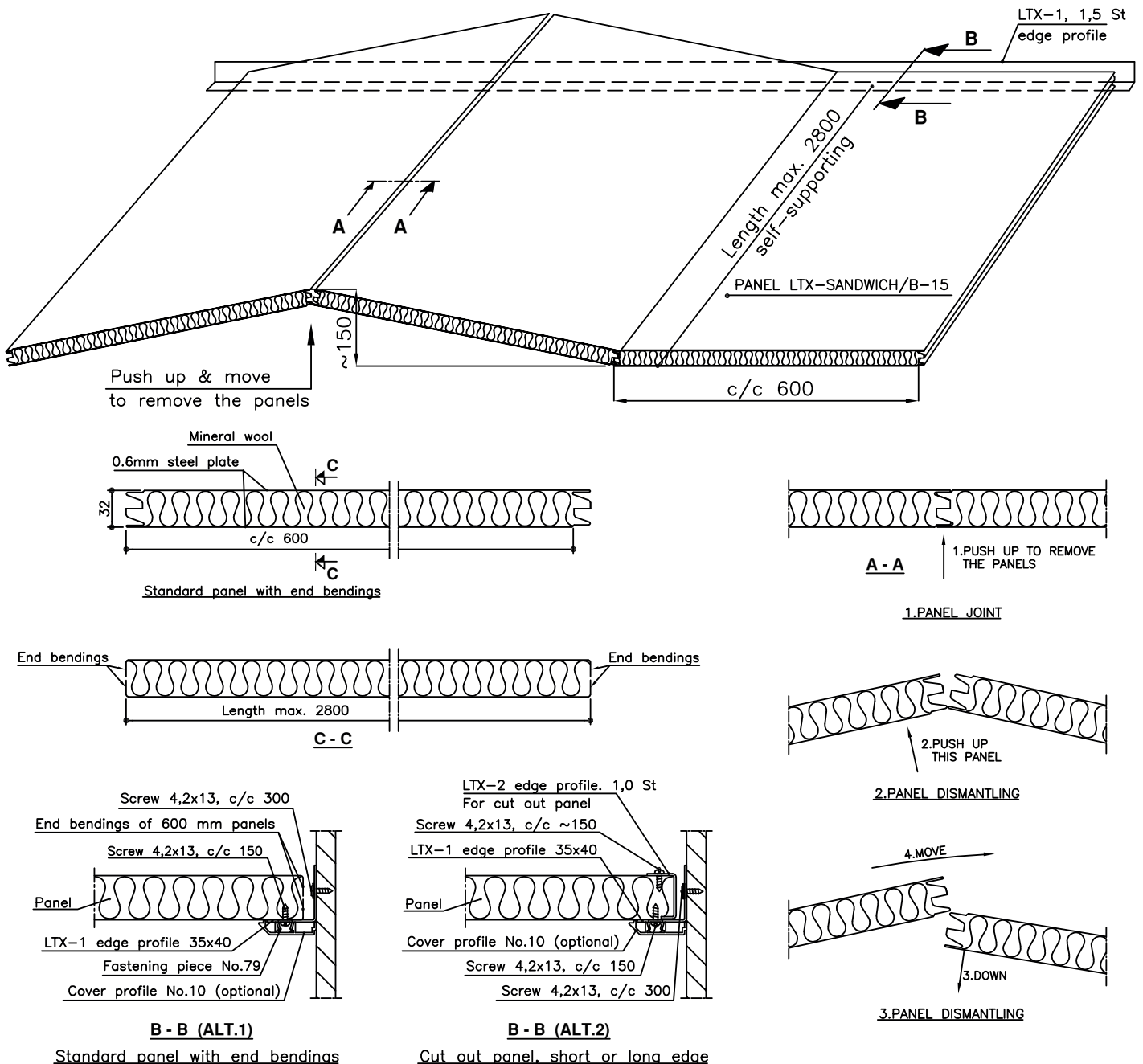
MARINE CEILING PANEL SYSTEM LAUTEX LTK-340 B-15 / A-30 DECK



LTK-340 PANELS / CLASSIFICATION "B-15"

Material	0.6 mm galvanized steel
Width	standard panel 340 mm, fitting panel max.400mm
Height	panel height 40mm
Length	L=max.2200mm, if L > 2200mm – extension joint to be used
Insulation	non-combustible mineral wool, s=30mm(middle part) and s=15mm(ends)
Weight	Approx. 10.1 kg/m ²
Finish	stove enamelled surface according to well-known colour charts
Protective film	the surface is provided with a protective film
End bendings	hook end and hinge end on opposite sides easy to remove without tools
Service hatch	each panel is easy to open and remove without tools
Other special solutions	special B-15 class certified solutions please contact our technical information department

MARINE CEILING PANEL SYSTEM LTX-SANDWICH B-15 / A-30 DECK



LTX-SANDWICH PANELS / CLASSIFICATION "B-15"

Material	0,6mm galvanized steel
Width	max. 600 mm
Height	32 mm
Length	max. 2800 mm, self supporting ceiling
Insulation	non-combustible mineral wool, s=30mm
Weight	Approx. 14 kg/m ²
Finish	stove enamelled surface according to well-known colour charts
Protective film	the surface is provided with a protective film
End bendings	Yes
Service hatch	Available
Other special solutions	please contact our technical information department

Lautex Surface Treatment

Lautex precoated standard color white - LTX-101, Gloss 03 is available in stock.

Also other shades are available both in precoated, powder or wet painted, depending of amount and color.

For factory painting, we have some shades in stock and other shades are available too according to order.

Wide range of alternative surfaces, coatings and treatments such as natural wood veneer and imitation, digiprinting, graining are available for our products too.

Lautex painting glosses

	LTX code	Gloss
Full matt	01	10 ± 5
Matt	02	20 ± 5
Semi matt	03	35 ± 10
Semi gloss	04	55 ± 10
Gloss	05	75 ± 10
Full gloss	06	90 ± 5
Super Gloss	07	>90

8.1 SURFACE TREATMENT

CHEMICAL PRE-TREATMENT

ALUMINIUM / STEEL

Point 1	Degreasing in alkaline bath
Point 2	Rinse I
Point 3	Rinse II
Point 4	Oxilan treatment, to produce good adhesion promoter for the paint and corrosion resistance together with paint
Point 5	DIW-rinse
Point 6	Drying

COATING LINES

AUTOMATED CORONA POWDER COATING LINE

- Capacity: 7000 x 400 x 1500 mm (length x width x height), charging / cage 500 kg
- Fast paint changeover, Magic Cylinder integrated powder coating unit
- 8 pcs automated pistols
- Power & Free conveyor track
- Suitable types of powder paints

SEMI-AUTOMATED FLAT COATING LINE

- Capacity: 7000 x 1000 x 150 mm (length x width x height)
- Electrostatic coating with rotary atomizers
- Baking enamels, all shades
- Own shading unit
- Tonal radiation

HAND COATING LINE

- Capacity: 7000 x 2000 x 2000 mm (length x width x height)
- Powder paints and baking enamels
- Suitable types of powder paints
- Baking enamels, all shades
- Drying in gas oven