PHOTOLUMINESCENT PRODUCTS

DMR SRL

ENVIRONMENTAL PROTECTION:
Our products are more fluorescent in the dark, and our production is certified according to ISO 9001 and ISO 14001 Standards, that ensure respect for all environmental criteria.

REACH: products satisfy the REACH criteria and do not contain **SVHC** (substances of very high concern). We use recycled materials (like aluminium). In addition, any additional power supply is not required for the functioning of products. Thanks to our membership to PSPA (Photoluminescent Safety Products Association) we have intensified the use of photoluminescent products on land, at sea and in the air for several years, researching and obtaining the cooperation with other international manufacturers.

USE OF PRODUCTS

Labelling requirements: the products line provides different qualities with various light intensity and basic materials using new-generation fluorescent pigments. Luminance products are designed for indoors (exception: aluminium assembly point). Please ask separately for further infomation about outdoor durability. Each product quality can be recognized by the first two numbers of the identification "Code".

15. HI 150 Alu
HI150 Aluminium, depending on the product with 0,2 mm or o 0,56 mm thickness, with photoluminescent coating.
C luminescence class.

17. HI 300 Alu
HI300 Aluminium, depending on the product with 0,2 mm or o 0,56 mm thickness, with photoluminescent coating.
D luminescence class.

38. HI 150 Film Products
(Not for walkable surfaces! Not suitable for printing).
For example, 0,1 mm high quality self-adhesive film, with photoluminescent coating.
C luminescence class.

51. AluMetals
Non-fading and weather-resistant aluminium with 0,56 mm thickness.

60. Acrylic film with photoluminescent coating
With extremely high luminous intensity. Not for walkable surfaces! Not suitable for priting.

### TLxx. Triple loading performances
Through a special pigmentation, "Triple Loading" products load three times faster than normal products. TL products are very suitable to be used with LED lights.

Cxx
These products are fluorescent during the day and photoluminescent at night, that's why they are perfectly suitable for marking dangerous areas that must be visible during day and night.

LIGHT ENGINEERING PARAMETERS

Luminous flux I =12.566
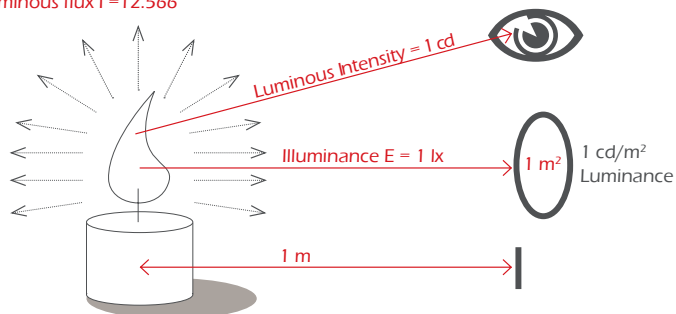
Luminescence classes classification according to ISO 17398

Luminescence	after 10 minutes	after 60 minutes	duration
HI 150 (Class C)	150mcd/m2	22mcd/m2	2100 min.
HI 300 (Class D)	300mcd/m2	45mcd/m2	4100 min.
HI 450 (Class D)	450mcd/m2	70mcd/m2	4500 min.
HI 600 (Class E)	600mcd/m2	100mcd/m2	8100 min.

The figure to the left shows the connection among different photometric parameters that are always used to describe photoluminescent products. In this respect, the luminous flux that hits the product surface is important for luminescence loading. Luminous flux per unit area is indicated in "lux" (Luminous flux). The visibility of an object depends mainly on surface luminance measured in cd / m². The higher this value is, the more luminous the object is, and as a consequence, the visibility will be better. Photoluminescent products loading also depends on the colour temperature of the light source (the higher it is, the better the loading will be), on the spectral distribution of the light source (blue component as high as possible), time, type of pigment, radiation angle of the light source (especially for LED).

Luminous flux = 12.566 lm - Luminous intensity I = 12.566 lm/4 sr = 1 cd
Illuminance E = 1 lm/m2= 1 lx - Luminance L = 1 cd/m2

- Individual and expert advice - no waiting time
- Luminescence that complies with legal requirements
- Variety of products
- Product development
- Thanks to a dense net of commercial partners, we are there for you
- Products in stock = shipping on the same day
- Request management in a working day
- Special designs on customer's request
- All products comply with "REACH" and "RohS" requirements.
- Prompt implementation of new directives

In case of emergency, every second is important

During emergencies, people evacuation is the primary object. There are different standards (technical rules) with regard to design of photoluminescent safety guidance systems, which are included in planning and installation. Especially, DIN 67510 rule part 3 describes German advanced technology concerning safety guidance systems. Internationally, "ISO 16069" standard specifies safety guidance systems.

With the purpose of evaluating products related to their suitability to illumination, ISO 17398 rule also requires to manufacturer to provide further information about luminescence for specific scenarios:

a) Test with D65 standard illumination for 20 minutes at 200 LUX;

b) Test with fluorescent lamp (4,300 K) for 15 minutes at 50 LUX;

c) Test with fluorescent lamp (3,000 K) for 15 minutes at 25 LUX;

d) Test with LED (6000 K) for 15 minutes at 50 LUX;

values for scenario "a"
Luminescence in mcd/m^2

	2 Min.	10 Min.	30 Min.	60 Min.
HI 150	635,0	161,9	52,4	24,2
HI 300	1156,0	304,0	103,9	48,2
TL 300	1411,0	319,0	98,2	43,5

values for scenario "b"
Luminescence in mcd/m^2

	2 Min.	10 Min.	30 Min.	60 Min.
HI 150	30,2	12,6	4,5	2,2
HI 300	80,0	39,4	17,5	9,2
TL 300	155,2	62,4	22,7	9,9

values for scenario "c"
Luminescence in mcd/m^2

	2 Min.	10 Min.	30 Min.	60 Min.
HI 150	96,2	35,5	13,8	7,0
HI 300	212,0	79,3	35,7	18,3
TL 300	437,0	148,7	50,7	21,9

values for scenario "d"
Luminescence in mcd/m^2

	2 Min.	10 Min.	30 Min.	60 Min.
HI 150	65	30	13	7
HI 300	115	54	22	11
TL 300	422	141	47	21

* In almost all buildings, today illumination is available with LED technology. That's why it is important to understand how LED equipment complies with photoluminescent products loading. LED cannot easily be standardized as fluorescent lamps. As a general rule, loading efficiency increases with colour temperature of light. Products are especially suitable for LED illumination (please refer to scenario "d)".
Make sure you have sufficient luminous intensity (measured with an appropriate lux meter) and a proper illumination of the product (angle of impact).
If you have further questions, you just need to contact our experts.

For "near-ground" safety systems concerning ISO 16069 and IMO

Easy installation: by means of screws, rivets and/or incomplete gluing, it helps to optimize installation time.
Well-shaped end caps ensure a clean finish.

COMPONENTS:

BASIC BASE
For "Flex 1" guidance strips 37 mm height
Material: aluminium
Height: 41,5 mm, Length: 3000 mm
Code DMR90.7754

COATING PLATE
Material: photoluminescent plastic
Code DMR90.7757

"FLEX 1" RIGID GUIDANCE STRIPS
Material: HI300 Aluminium, with self-adhesive ceramic coating
Height: 37mm, Length: 1m, Strength: 0,2 mm

Neutral without paint	Code	**DMR17.7730**
right "EXIT" text	Code	**DMR17.7755**
left "EXIT" text	Code	**DMR17.7756**
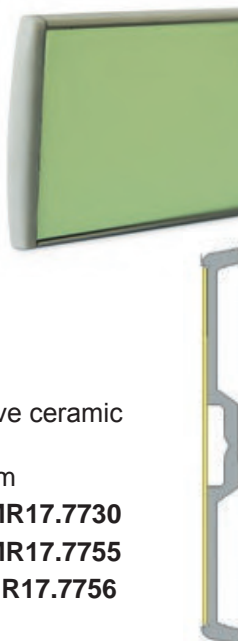
DIRECTIONAL GUIDANCE FOR FLAT PROFILE
1 Serie = 10 pcs
Material: TL 300 Aluminium, with self-adhesive ceramic coating
Height: 37 mm, Width: 37 mm, Profile: 0,2 mm

Right escape route E001	Code	**DMR17.7751**
Left escape route E002	Code	**DMR17.7752**
Right/left arrow	Code	**DMR17.7753**
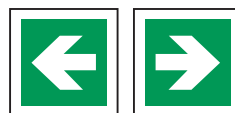
SAFETY GUIDANCE SYSTEMS PROFILES

ProFIL 50 with otpimized load **Advantage**: according to a revised national legislation, the strip width can be significantly reduced. With a 50 mm reduction this width allows a more comfortable integration in the design of your building. A well-designed profile angle ensures an optimized load.
Easy installation: screws, rivets and incomplete gluing fixation (hidden) allows fast installation time. Well-designed coating plates provide a "clear" edge.

COMPONENTS:

PROFIL 50 BASIC PROFILE (angular)
Connector for "FLEX 1" guidance strip, 5 cm height
Material: Anodized aluminium, Silver
Height: 5,4 cm, Length: 3 m
Code **DMR90.7732**
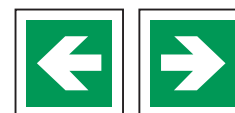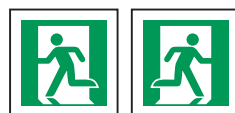(other length sizes are available with an additional cost)

PROFIL 50 COATING PLATE (linear)
Material: plastic

Right	Code	**DMR90.7733**
Left	Code	**DMR90.7734**

"FLEX 1 "PROFIL 50 RIGID GUIDANCE STRIPS (angular)
Material: HI 300 Aluminium/ TL 300 Aluminium, photoluminescent with self-adhesive ceramic coating
Height: 5 mm, Length: 1 m, Profile: 0,2 mm

Two different qualities:

HI300	Code	**DMR17.7696**
TL300	Code	**DMRTL17.7696**

DIRECTIONAL MARKING (angular)
Adhesion to the upper part of the profile
1 serie = 10 pcs
Material: Photoluminescent aluminium with self-adhesive ceramic coating
Height: 50 mm, Width: 50 mm, Profile: 0,2 mm
Two different qualities:

|			
Right emergency exit	HI300	Code	**DMR17.7697**
	TL300	Code	**DMRTL17.7697**
Left emergency exit	HL300	Code	**DMR17.7698**
	TL300	Code	**DMRTL17.7698**
Right/left arrow	HI300	Code	**DMR17.7699**
	TL300	Code	**DMRTL17.7699**

TAPES

For a guidance system near to floor in different configurations for individual use. Closure on the wall up to 40 cm from the floor. Also available in "C" quality. Orientation markings (0,56 mm aluminium photoluminescent coating, to be screwed). A self-adhesive version is also available on request.

Guidance tape 0,56 mm Aluminium

HI (0,56 mm Aluminium photoluminescent coating, to be screwed). A self-adhesive version is also available on request.

Width	Width	HI	Code
5,0 cm	100 cm	HI 300	DMR17.4970
5,0 cm	100 cm	HI 150	DMR15.4970
7,5 cm	100 cm	HI 150	DMR15.4971
10 cm	100 cm	HI 150	DMR15.4972
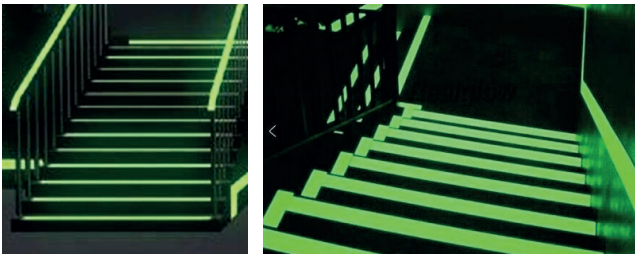
Guidance tape 0,2 mm Aluminium

0,2 mm Aluminium self-adhesive photoluminescent coating.

Width	Width	HI	Code
5,0 cm	100 cm	HI 150	DMR15.4976
10 cm	100 cm	HI 150	DMR15.4978

### Guidance tape 0,2 mm Aluminium C - Quality

0,2 mm Aluminium self-adhesive photoluminescent coating.

Width	Width	C	Code
5,0 cm	100 cm	C 150	DMR15.4976
7,5 cm	100 cm	C 150	DMR15.4977
10 cm	100 cm	C 150	DMR15.4978

FLOOR AND WALL GUIDANCE MARKING

According to regulations, photoluminescent safety guidance systems marking must have a 5 cm minimum width. However, minimum width of strips can be reduced to 2,5 cm if luminance achieves at least the following values: 100 mcd / m² after 10 minutes and 15 mcd / m² after 60 minutes.
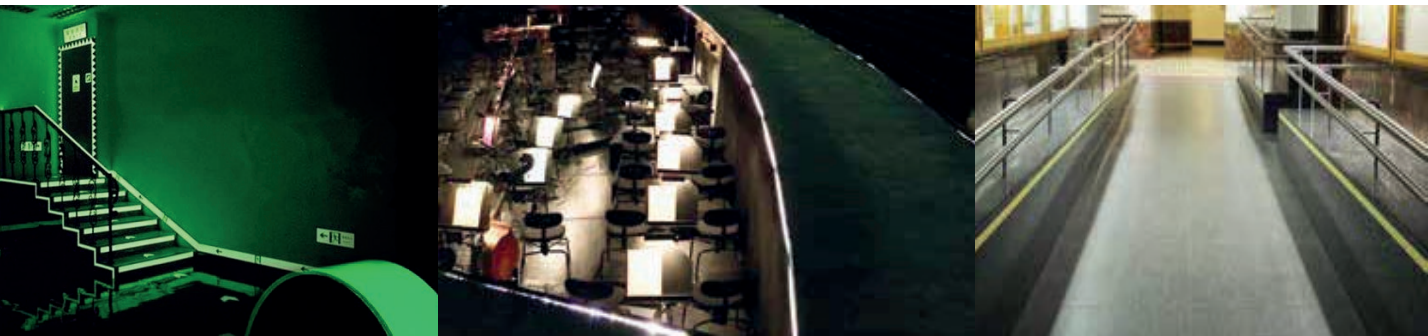
Fire exit signs

Fire exit signs (green/transparent, self-adhesive, non-photoluminescent).

Description	Width	Code
Right fire exit	L x H 5,0X10,0 cm	DMR90.4973R
Right fire exit	L x H 10,0X20,0 cm	DMR90.4975R
Left fire exit	L x H 5,0X10,0 cm	DMR90.4973L
Left fire exit	L x H 10,0X20,0 cm	DMR90.4975L

"Flex 1" guidance tape

Universal use. Aluminium, 0,2 mm thickness, photoluminescent coating, with ceramic surface finish, self-adhesive and anti-slip tape.

| Description	Width	Code
HI 300	L x L 2,5X100 cm	DMR17.7656
HI 300	L x L 3,7X100 cm	DMR17.7730
TL 300	L x L 3,7X100 cm	DMRTL17.7730
HI 300	L x L 5,0X100 cm	DMR17.7696
TL 300	L x L 5,0X100 cm	DMRTL17.7696

Safe tread. According to codes and international standard, stairs, handrails and ramps indicating fire exits must be marked so that the beginning, the centre and the end of fire exits are clearly recognizable.

HI 450 Stair profiles Photoluminescent sections for modernization.

These profiles can be used for modernizing stairs made of natual stone, wood and other materials. They are suitable to be installed on finished stairs and as a coating to repair treads edges, as well as for covering and to avoid small fires. The extremely strong photoluminescent section is protected by segments among grooves.

Each groove has a luminescence of about 700 mcd / m² after 10 minutes, which produces a luminescence for the whole surface (measured on 4 grooves) of about 450 mcd / m².
Drill holes in the back reception channel. Other colours and length sizes are available on request.
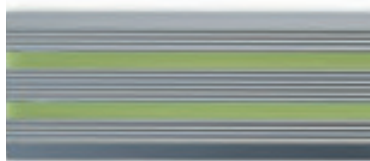
HI 450 Stair profiles
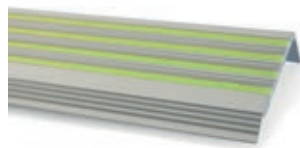Material: HI 450 Aluminium
Colour: Grey
Width: 3,5 cm, Length: 100 cm, Height: 0,3 cm Code: **DMR90.020007D**

Material: HI 450 Aluminium
Colour: Black
Width: 6 cm, Length: 100 cm, Height: 2,3 cm Code: **DMR90.020004D**
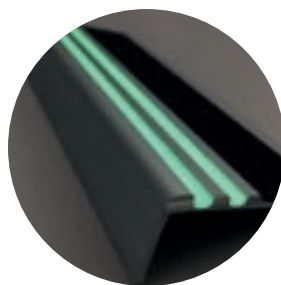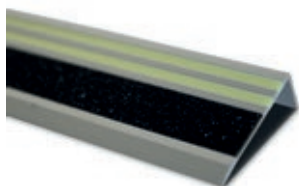
Material: HI 450 Aluminium
Colour: Silver
Width: 6 cm, Length: 100 cm, Height: 2,3 cm Code: **DMR90.020005D**

Material: HI 450 Aluminium
Colour: Grey with "R11" anti-slip strip
Width: 5,2 cm, Length: 100 cm, Height: 2,0 cm Code: **DMR90.020009D**

BRAND NEW
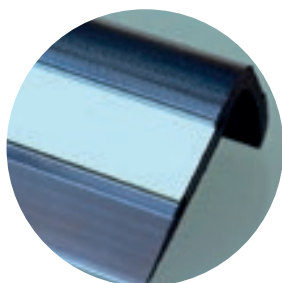
Plastic Stair profile

Material: Plastic
Width: 5,7 cm, Length: 100 cm, Code: **DMR90.0400016ATS**

A special advantage:
Depending on local conditions and on light exposure quality, it is possible to select different luminous qualities corresponding to the aluminium strip profile.
As default setting, this profile is delivered with a Class "D" luminescence strip.

STAIRS MARKING

U-Profile is a new product for safety optical guidance systems! It's ideal to be used on stairs, including floor coatings and (where applicable) as an expansion area. This profile is made of aluminium and filled with a special photoluminescent resin. Luminance measures 450/70 mcd / m2 in compliance with DIN67510 standard and provides a meaningful contrast with the rest of the floor.
Light absorption during the day provides visibility at sunset and at night.

U- PROFILE

Material: HI 450 Aluminium
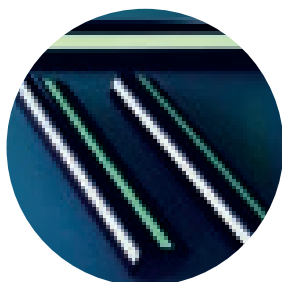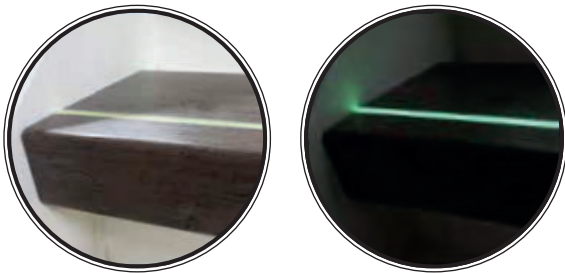Width: 1 cm, Length: 100 cm, Height 0,6 cm

Code DM90.02001 1D

NEUTRAL STAIR MARKING

Material: HI 300 Aluminium, 0,56 mm
90 degrees angle, self-adhesive, ceramic coating.

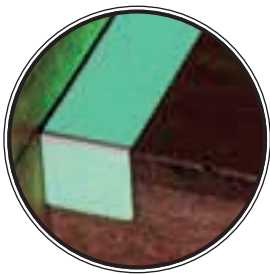Width: 5 cm, Length: 20 cm, Height 4,5 cm

Code DMR17.7490

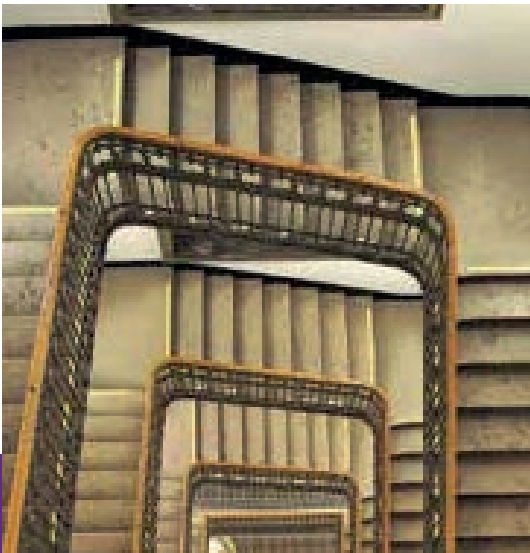## STAIR MARKING WITH ARROW

Material: HI 300 Aluminium, 0,56 mm
90 degrees angle, self-adhesive,
ceramic coating
Width: 4 cm, Length: 18 cm, Height 3 cm

|		
High arrow	Code	DMR17.US7490U
Low arrow	Code	DMR17.US7490D

Abrasion-resistant design thanks to its high brightness. Simple assembly.
Guidance marking on floor is considered continuous if at least three markings per metre are
installed at regular distances. Signs should have a minimum diameter or a length of about 5 cm
from the edge.

"Star 1" directional strips

"Star 1" rigid guidance strips with HI Aluminium groove, 1,5 mm thickness, with photoluminescent and ceramic coating. In addition, it is equipped with 2 slots and a hole for a simple and fast assembly.

Width:	5	cm,	Length:	22	cm	**Code**	**DMR15.7497**
Width:	5	cm,	Length:	50	cm	**Code**	**DMR15.7496**
Width:	5	cm,	Length:	100	cm	**Code**	**DMR15.7495**
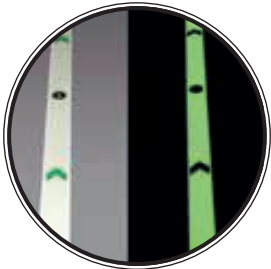
"Star 1" directional strips with two green arrows

HI 300 Aluminium, 1,5 mm thickness, with photoluminescent ceramic coating. Equipped with 2 slots and a hole for a simple and fast assembly.

Width: 5 cm, Length: 100 cm   **Code   DMR17.7498**

Disks

HI 300 Aluminium, 1,5 mm thickness, with included hole.
This item is especially suitable for permanent mounting on gratings.
1 Package = 10 Pieces

Fully luminous: 10 cm   **Code   DMR17.G7401**
with directional arrow: 10cm   **Code   DMR17.G7470**

Connections

With bolts 1 Package = 25 Pieces   **Code   DMR91.2003**

Disk with direction indicator (sublimation printing)

Material: 1 mm Aluminium
Extremely resistant to any abrasion and chemical treatment. Luminescence
of 700 mcd/m2 after 10 minutes, 1 Unit = 10 disks

Diameter 10 cm   **Code DMR90.020013E**

Escape route floor marking

Material: Film, 40x40 cm
Floor marking systems according to ISO 16069. Escape route international
symbols with arrow, special quality of film with anti-slip laminate: R10

A) Left escape route   **Code   DMR90.4966**
B) Right escape route   **Code   DMR90.6947**

C) Arrow   **Code   DMR90.4968**

D) Escape route and arrow   **Code   DMR90.4969**
    20x10 cm

A)   B)   C)

D)
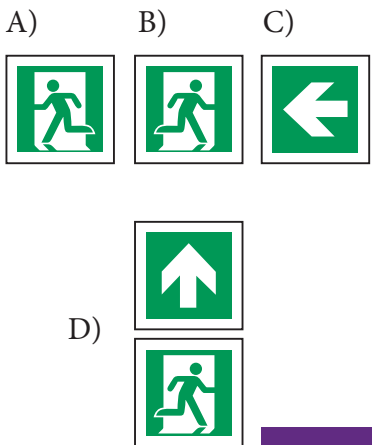
ADHESIVE FLOOR MARKING

MATERIAL: HI 300 ALUMINIUM, 0,2 MM

Arrows for floor marking/disks with green/photoluminescent self-adhesive
directional arrows with anti-slip effect, long-term high adhesion.
(3M special adhesion); 1 serie = 10 pieces

With green/photoluminescent arrow:

Diameter: 9,5 cm	Code	DMR17.7470
Diameter: 12,5 cm	Code	DMR17.7471

Fully photoluminescent:

Diameter: 5,0 cm	Code	DMR17.7400
Diameter: 9,5 cm	Code	DMR17.7401

Floor marking (Rectangular)

Material: HI 300 Aluminium, 0,2 mm
green/photoluminescent self-adhesive directional arrow,
long-term high adhesion (3M special adhesion), anti-slip
effect; 1 serie = 10 pieces

Length: 17,5 cm	Code	DMR17.7473
Width: 11 cm		

Carpet Way Dot

Material: ABS Plastic, HI 300
"Carpet Way Dot TM" mat markings allow a fast and simple method to mark the
escape route in ares covered by mats. Normal aspiration or wet cleaning don't damage
markings. Support materials are composed of plastic - markings have 0,2 mm
aluminium bases for flat moquette, that is cut and woven on request.
1 Serie = 10 pieces

With arrow: 5 cm diameter	Code	DMR17.US1723
One colour: 5 cm diameter	Code	DMR17.US7400

Footprint

Material: HI 300 Aluminium, 0,2 mm
Sizes: 21 cm x 8,5 cm
Photoluminescent self-adhesive footprint with anti-slip effect.

Right footprint	Code	DMR17.7654
Left footprint	Code	DMR17.7655

Lumipro® Soil nail with reflector

Height 1,1 cm, max compression 10 T, class E, 1400 mcd/m² photoluminescent.
Material: ABS Plastic and Resin
Round: 10,2 cm diameter, 2 cm height,
max compression 10 T   Code DMR90.020001E

Square: 10,2 x 10,2 cm, height 2 cm,
max compression 16 T   Code DMR90.020003E

Easy installation. Permanent safety. It marks doors and door handles that lead to the emergency exit.

Door handle sign

Material: HI 150/TL 300 Aluminium, 0,2 mm green/photoluminescent, self-adhesive

a) For handle (left)
Width: 10 cm, Length: 25,5 cm
HI 150   **Code**   **DMR15.7535**

Width: 10 cm, Length: 25,5 cm
TL 300   **Code**   **DMRTL17.7535**

b) For handle (right)
Width: 10 cm, Length: 25,5 cm
HI 150   **Code**   **DMR15.7540**

Width: 10 cm, Length: 25,5 cm
TL 300   **Code**   **DMRTL17.7540**

A

B

Cylinder keyhole outline - Small product - Great effect

Material: PVC, laminate PET, 1 package = 3 Series of "photoluminescent cylinder keyhole outline" and "photoluminescent keyhole adhesive", all in one product! High brightness (200 mcd/m2 after 10 minutes); suitable for cylinder keyholes standard profile.

Photoluminescent keyhole adhesive

Code DMR90.020012C

"Door marking" Roll
Material: HI 150 Film photoluminescent/white, self-adhesive

Width: 3 cm, Length: 12 cm	**Code DMR38.7450**
Width: 6 cm, Length: 25 cm	**Code DMR38.7451**
Width: 3 cm, Length: 12 cm	**Code DMR38.7452**
Width: 3 cm, Length: 25 cm	**Code DMR38.7453**

"Door marking" Adhesives
Material: HI 150/300 Film
photoluminescent/white, self-adhesive

Width: 6 cm, Length: 1 cm	**Code DMR15.7397**
Width: 2 cm, Length: 1 cm	**Code DMR15.7395**
Width: 3 cm, Length: 1 cm	**Code DMR15.7396**
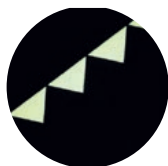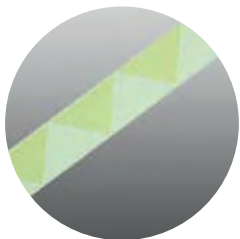
"Door marking" Adhesives
Material: HI 150 Film - Diameter 10 cm, photoluminescent, white and self-adhesive. It's a useful addition to photoluminescent guidance systems.
In case of fire, they help for a fast orientation.

Text "Push"	**Code**	**DMR38.7450**
Text "Pull"	**Code**	**DMR38.4961**

Front/back side for glass doors:

Text "Push/Pull"	**Code**	**DMR38.4962**

Other languages are available on request
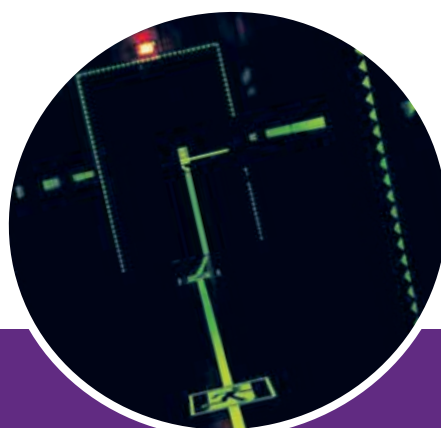
OTHER ADHESIVE MARKING PRODUCTS

Phosphorescent background

Materials: HI 150/HI 700 Aluminium, HI 150 Film

Aluminium layer phosphorescent self-adhesive film. Bottom plate to be used, for example, behind safety equipment, such as: shut-off valves, safety ventilation, emergency stop switch, not suitable for screen printing.

Width: 62 cm, Length: 42 cm	HI150 Alu	**Code**	**DMR15.7521**
Width: 84,1 cm, Length: 59,4 cm	HI150 Alu	**Code**	**DMR15.4979**
Width: 62 cm, Length: 42 cm	HI150 Film	**Code**	**DMR38.7520**
Width: 84,1 cm, Length: 59,4 cm	HI150 Film	**Code**	**DMR38.4979**
Width: 100 cm, Length: 60 cm	HI700 Alu	**Code**	**DMR90.020006E**

Phosphorescent background for fire extinguishers

Lighting with a phosphorescent background for fire extinguishers. Aluminium, 0,2 mm or 0,56 mm thickness, with high photoluminescence coating. With progressive light intensity that varies from 55 mcd/m2 up to 150 mcd/m2 after 10 minutes.

Width: 39,5 cm, Length: 59 cm	**Code**	**DMR16.7525**
Width: 50 cm, Length: 80 cm	**Code**	**DMR16.7526**
Width: 58,5 cm, Length: 115 cm	**Code**	**DMR16.7527**

Arrow / marking point in sheets

Material: TL 150 Film

Phosphorescent and self-adhesive. Ideal, for example, to mark switches.

Short serie, diameter 1,6 cm, 40 pieces/sheet	**Code**	**DMRTL38.7460**
Short serie, diameter 2,5 cm, 15 pieces/sheet	**Code**	**DMRTL38.7461**

Thin arrow serie:

Width: 1,8 cm, Height: 2,7 cm 20 pieces/sheet	**Code**	**DMRTL38.7462**

Large arrow serie:

Width: 1,8 cm, Height: 2,7 cm 20 pieces/sheet	**Code**	**DMRTL38.7463**

ADHESIVE SAFETY GUIDANCE SYSTEMS

Protection profiles

High quality protection profiles, anti-aging polyurethane foam for obstacles protection and identification, Photoluminescence class "C". Resistant to temperatures from -40 ° C to + 100 ° C, self-adhesive (high adhesion acrylic adhesive). Applications: inner and outer areas on machines, vehicles, inventory, warehouse and workshop equipment, decorated walls, beams and much more. Length: 1,00 m each one.

Profile 1 Semi-circular
Material: Polyurethane foam
Colours: photoluminescent/black
It is suitable to be mounted on flat surfaces on walls and shelves.
Width: 4 cm, Height: 3,2 cm
Base (flat) - Width 3,5 cm
CODE DMR90.9336
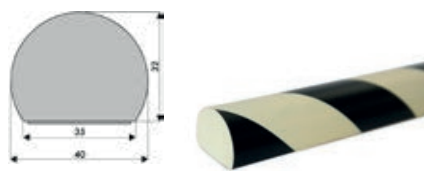
Profile 2 Angular
Material: Polyurethane foam
Colours: photoluminescent/black
Self-adhesive, mounting on corners.
Width: 4 cm, Height: 4 cm
Carving - 2,5 x 2,5 cm
CODE DMR90.9337
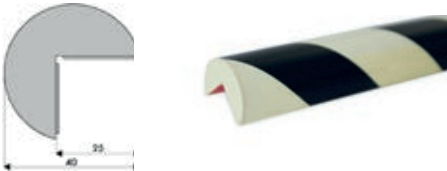
Profile 3 Circular with carving
Material: Polyurethane foam
Colours: photoluminescent/black
not self-adhesive, to be fixed
Width: 4 cm, Height: 4 cm
"U-shaped" carving: Depth 2 cm, Width 0,8 cm
CODE DMR90.9338

Roll marking also ideal to be used on handrails

Acrylic compound film

Material: acrylic compound, Class "C", self-adhesive, non-walkable, tamper-resistant. Acrylic compound film. Ideal for a permanent marking.
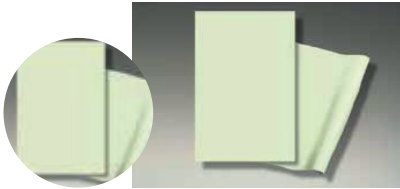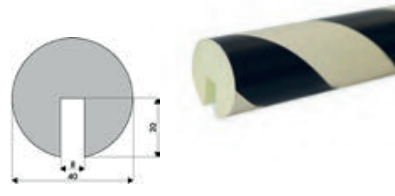Phosphorescent coating.
Width: 2,5 cm, Length 25 mm   Code **DMR60.US7401**
Width: 5 cm, Length 25 mm   Code **DMR60.US7403**
Width: 10 cm, Length 25 mm   Code **DMR60.US4986**

Acrylic compound film with laminate surface

Material: acrylic compound, Class "C".
Ideal for permanent marking.
Phosphorescent coating.
Walkable on foot and by light vehicles.
Width: 5 cm, Length 25 mm   Code **DMR60.US7403L**

Acrylic compound film on magnetic roll

Material: acrylic compound, Class "C".
Ideal for temporary marking.
Phosphorescent coating.
Non-walkable.
Width: 2,5 cm, Length 5 mm   Code **DMR60.US7401M**

Safety guidance systems / Tapes for marking

"SafetyWalk" anti-slip tape

"SafetyWalk" self-adhesive, photoluminescence quality "C", fully fluorescent/black, "R11" anti-slip surface.

Width: 3 cm, Length 80 mm fluorescent	Code	**DMR15.7501**
Width: 5 cm, Length 80 mm fluorescent	Code	**DMR15.7504**
Width: 3 cm, Length 80 mm fluorescent/black	Code	**DMR17.7507**
Width: 5 cm, Length 80 mm fluorescent/black	Code	**DMR15.7510**

Tape / green/photoluminescent directional arrows

Material: HI 150 Aluminium, 0.2 mm, self-adhesive

Width: 3 cm, Length 1 mm	Code	**DMR15.7391**
Width: 6 cm, Length 1 mm	Code	**DMR15.7392**

Photoluminescent/black directional tape

Material: HI 150 Aluminium, 0.2 mm, self-adhesive Arrows: photoluminescent/black

Width: 1,5 cm, Length 1 mm	right	Code	**DMR15.7372**
	left	Code	**DMR15.7373**
Width: 3,0 cm, Length 1 mm	right	Code	**DMR15.7374**
	left	Code	**DMR15.7375**
Width: 6,0 cm, Length 1 mm	right	Code	**DMR15.7376**
	left	Code	**DMR15.7377**

Photoluminescent/red directional tape

Material: HI 150 Aluminium, 0.2 mm, self-adhesive Arrows: photoluminescent/red

Width: 1,5 cm, Length 1 mm	right	Code	**DMR15.7381**
	left	Code	**DMR15.7382**
Width: 3,0 cm, Length 1 mm	right	Code	**DMR15.7383**
	left	Code	**DMR15.7384**
Width: 6,0 cm, Length 1 mm	right	Code	**DMR15.7385**
	left	Code	**DMR15.7386**

C 150

"C" means Colour and 150 corresponds to proven quality "HI 150" which is 150 mcd/m² after 10 minutes, with a 35 hours decay time. *"C" products combine signs colours + visibility in the dark.*

Warning profile - C

Material: C150 Aluminium, 0,56 mm.
"Warning Profile" has a 90 degrees angle, 3 cm marking on each side, included ceramic coating.
It is especially suitable to mark edges, corners and obstacles.
Colour: fluorescent light / faded black.

Width: 7,5 cm, Length 1 mm   **Code DMRC15.7370**

Marking tapes - C

Material: C150 Aluminium, 0,2 mm
fluorescent light / faded black visible during day and night.

Width: 5,0 cm, Length 1 mm   **Code   DMRC15.4994**
Width: 7,5 cm, Length 1 mm   **Code   DMRC15.4995**
Width: 10 cm, Length 1 mm   **Code   DMRC15.4996**

"SafetyWalk" anti-slip tape

Material: C150 Aluminium, 0,2 mm - SafetyWalk anti-slip and self-adhesive tape, "C" photoluminescence quality, fully fluorescent, fluorescent/faded black. "R11" anti-slip surface.

Fully fluorescent Width: 3,0 cm, Length 80 cm **Code DMRC15.7501**
Fully fluorescent Width: 5,0 cm, Length 80 cm **Code DMRC15.7504**
Faded black Width: 3,0 cm, Length 80 cm   **Code DMRC15.7507**
Faded black Width: 5,0 cm, Length 80 cm   **Code DMRC15.7510**

Warning rolls - C

Material: C 150 PVC film, self-adhesive, "C" photoluminescence quality, fully fluorescent, fluorescent/faded black. Non-walkable.

Left faded black Width: 5,0 cm, Length 10 m   **Code DMRC38.4987**
Right faded black Width: 5,0 cm, Length 25 m   **Code DMRC38.4990L**
Faded black Width: 3,0 cm, Length 80 m   **Code DMRC15.7507**
Width: 5,0 cm, Length 25 m   **Code DMRC38.4990R**
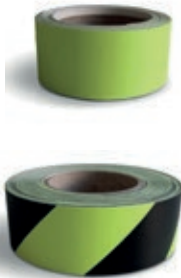
Triangle warning sign - C

Material: C150 Aluminium or C150 Film. Phosphorescent and fluorescent white. We also manufacture your customized warning sign!

Width: 20 cm C150 Aluminium   **Code DMR15.0252**
Width: 20 cm C150 Film   **Code DMR38.0252**

Black Warning tape

Material: HI 150 Film
Phosphorescent/black, self-adhesive

Right Width: 3 cm, Length 25 m	Code	DMR38.7408
Left Width: 3 cm, Length 25 m	Code	DMR38.7409
Right Width: 6 cm, Length 25 m	Code	DMR38.7414
Left Width: 6 cm, Length 25 m	Code	DMR38.7415

Red Warning tape

Material: HI 150 Film
Phosphorescent/red, self-adhesive

Right Width: 3 cm, Length 25 m	Code	DMR38.7428
Left Width: 3 cm, Length 25 m	Code	DMR38.7429
Right Width: 6 cm, Length 25 m	Code	DMR38.7434
Left Width: 6 cm, Length 25 m	Code	DMR38.7435

Marking tape/escape route indicator

Material: HI 150 Film
Green/phosphorescent, self-adhesive

Right Width: 4 cm, Length 20 m	Code	DMR38.7458
Left Width: 4 cm, Length 20 m	Code	DMR38.7459

Marking tape with direction indicators

Material: HI 150 Film
Green/phosphorescent, self-adhesive

Width: 3 cm, Length 25 m	Code	DMR38.7441
Width: 6 cm, Length 25 m	Code	DMR38.7443

Our recommendation

Marking safety places always according to latest standards and directives in order to satisfy legal requirements. Use always the same signage inside the same place like a marking, because using different symbols for a safety plan may cause some confusion and disorientation with unpredictable consequences.

Concerning ISO 7010

+ DIN 67510 + Luminescence Class "C" + also available in larger sizes

Film Signs	Aluminium Signs
size	size
30 x 15 cm	30 x 15 cm
40 x 20 cm	40 x 20 cm
	60 x 30 cm
	120 x 60 cm

Escape route, Emergency exit
forward and to the left (combined sign)
ISO 7010 E001 + directional arrow
Film   30 x 15 cm   Code DMR38.3025OL
                40 x 20 cm   Code DMR38.3026OL
Alu   30 x 15 cm   Code DMR15.3025OL
                40 x 20 cm   Code DMR15.3026OL
XL   120 x 60 cm   Code DMR15.3031OL

Escape route, Emergency exit
forward and to the right (combined sign)
ISO 7010 E002 + directional arrow
Film   30 x 15 cm   Code DMR38.3023OL
                40 x 20 cm   Code DMR38.3024OL
Alu   30 x 15 cm   Code DMR15.3023OL
                40 x 20 cm   Code DMR15.3024OL

Escape route, Emergency exit
to the left, upwards (combined sign)
ISO 7010 E001 + directional arrow
Film   30 x 15 cm Code DMR38.3048OL
                40 x 20 cm Code DMR38.3049OL
Alu   30 x 15 cm Code DMR15.3048OL
                40 x 20 cm Code DMR15.3049OL

Escape route, Emergency exit
downwards and to the left (combined sign)
ISO 7010 E001 + directional arrow
Film   30 x 15 cm   Code DMR38.0084OL
                40 x 20 cm   Code DMR38.0085OL
Alu   30 x 15 cm   Code DMR15.0084OL
                40 x 20 cm   Code DMR15.0085OL
                60 x 30 cm   Code DMR15.3028OL
XL   120 x 60 cm Code DMR15.3032OL

Escape route, Emergency exit
downwards and to the right (combined sign)
ISO 7010 E002 + directional arrow
Film   30 x 15 cm   Code DMR38.0069OL
                40 x 20 cm   Code DMR38.0079OL
Alu   30 x 15 cm   Code DMR15.0069OL
                40 x 20 cm   Code DMR15.0079OL
                60 x 30 cm   Code DMR15.3027OL

Escape route, Emergency exit to
the left, downwards (combined sign)
ISO 7010 E001 + directional arrow
Film   30 x 15 cm Code DMR38.3044OL
                40 x 20 cm Code DMR38.3045OL
Alu   30 x 15 cm Code DMR15.3044OL
                40 x 20 cm Code DMR15.3045OL

Escape route, Emergency exit
to the left (combined sign)
ISO 7010 E001 + directional arrow
Film   30 x 15 cm Code DMR38.0088OL
                40 x 20 cm Code DMR38.0089OL
Alu   30 x 15 cm Code DMR15.0088OL
                40 x 20 cm Code DMR15.0089OL
                60 x 30 cm Code DMR15.3030OL
XL   120 x 60 cm Code DMR15.3033OL

Escape route, Emergency exit
to the right (combined sign)
ISO 7010 E002 + directional arrow
Film   30 x 15 cm Code DMR38.0086OL
                40 x 20 cm Code DMR38.0087OL
Alu   30 x 15 cm Code DMR15.0086OL
                40 x 20 cm Code DMR15.0087OL
                60 x 30 cm Code DMR15.3029OL
XL   120 x 60 cm Code DMR15.3034OL

Escape route, Emergency exit to the
right, downwards (combined sign)
ISO 7010 E002 + directional arrow
Film   30 x 15 cm Code DMR38.3042OL
                40 x 20 cm Code DMR38.3043OL
Alu   30 x 15 cm Code DMR15.3042OL
                40 x 20 cm Code DMR15.3043OL

Escape route, Emergency exit
to the right, upwards (combined sign)
ISO 7010 E002 + directional arrow
Film   30 x 15 cm Code DMR38.3046OL
                40 x 20 cm Code DMR38.3047OL
Alu   30 x 15 cm Code DMR15.3046OL
                40 x 20 cm Code DMR15.3047OL

Concerning ISO 7010

Our recommendation

These signs have the advantage to indicate all possible ways out with four symbols. Directional arrows must be used only combined with the emergency exit sign.

Emergency exit to the right
ISO 7010 E002 + directional arrow
Film   15 x 15 cm Code DMR38.0029OL
            20 x 20 cm Code DMR38.0030OL
Alu   15 x 15 cm Code DMR15.0029OL
            20 x 20 cm Code DMR15.0030OL

Directional arrow to the right
ISO 3864 Type D
Film   15 x 15 cm Code DMR38.0055-7010
            20 x 20 cm Code DMR38.0056-7010
Alu   15 x 15 cm Code DMR15.0055-7010
   20 x 20 cm Code DMR15.0056-7010

Evacuation stairs
ISO 7010-E059
Film   20 x 20 cm Code DMR38.0093
Alu   20 x 20 cm Code DMR15.0093

Emergency exit to the left
ISO 7010 E00
Film   15 x 15 cm Code DMR38.0031OL
            20 x 20 cm Code DMR38.0032OL
Alu   15 x 15 cm Code DMR15.0031OL
            20 x 20 cm Code DMR15.0032OL
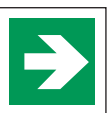

Angular directional arrow
ISO 3864 Type D
Film   15 x 15 cm Code DMR38.0090-7010
            20 x 20 cm Code DMR38.0091-7010
Alu   15 x 15 cm Code DMR15.0090-7010
            20 x 20 cm Code DMR15.0091-7010
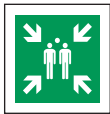
Collection point
ISO 7010 E007
Film   40 x 40 cm Code DMR38.A2010
Alu   40 x 40 cm Code DMR15.A2010
            60 x 60 cm Code DMR15.A2015

APPLICATION EXAMPLES

FIRST AID ADHESIVE SIGNS

Our recommendation

First aid structures and first aid equipment should be marked as such.
Necessary rescue signs made of photoluminescent material (for example, photoluminescent emergency signs) must be used on escape routes, unless there is an available emergency lighting in the workplace.
Anyway, the safety objective must be to guarantee that rescue signs can be recognized in case of a general lighting failure.

Film signs	Aluminium signs
size	size
10 x 10 cm	15 x 15 cm
15 x 15 cm	20 x 20 cm
20 x 20 cm	30 x 30 cm
30 x 30 cm	

Safety equipment
DIN 4844-2 WSE001
Film   20 x 20 cm Code DMR38.A3065
Alu   20 x 20 cm Code DMR15.A3065

Break emergency device to access
ISO 7010-E008

Film   10 x 10 cm Code DMR38.A2060

Doctor
ISO 7010 E009
Film   15 x 15 cm Code DMR38.0065-7010
            20 x 20 cm Code DMR38.0066-7010
Alu   15 x 15 cm Code DMR15.0065-7010
            20 x 20 cm Code DMR15.0066-7010

FIRST AID ADHESIVE SIGNS

First Aid
ISO 7010-E003
Film   15 x 15 cm Code DMR38.0057
         20 x 20 cm Code DMR38.0058
         30 x 30 cm Code DMR38.0078
Alu   15 x 15 cm Code DMR15.0057
         20 x 20 cm Code DMR15.0058
         30 x 30 cm Code DMR15.0078

Emergency telephone
ISO 7010-E004
Film   15 x 15 cm Code DMR38.0067
         20 x 20 cm Code DMR38.0068
Alu   15 x 15 cm Code DMR15.0067
         20 x 20 cm Code DMR15.0068

Emergency shower
ISO 7010-E012
Film   15 x 15 cm Code DMR38.0061
         20 x 20 cm Code DMR38.0062
Alu   15 x 15 cm Code DMR15.0061
         20 x 20 cm Code DMR15.0062

Automated external defibrillator (AED)
ISO 7010-E010
Film   15 x 15 cm Code DMR38.0167
         20 x 20 cm Code DMR38.0155

Emergency stretcher
ISO 7010-E013
Film   15 x 15 cm Code DMR38.0059
         20 x 20 cm Code DMR38.0060
Alu   15 x 15 cm Code DMR15.0059
         20 x 20 cm Code DMR15.0060

Emergency eye wash
ISO 7010-E011
Film   15 x 15 cm Code DMR38.0063
         20 x 20 cm Code DMR38.0064
Alu   15 x 15 cm Code DMR15.0063
         20 x 20 cm Code DMR15.0064

UL 924 REGULATION FOR EMERGENCY LIGHTING AND EXIT

Luminance Class "C" or "E"
UL 924 enumerates "EXIT" signs; visibility up to 22 m. Signs "EXIT" are equipped with 2 adhesive direction indicators for directional indication.

Green EXIT sign
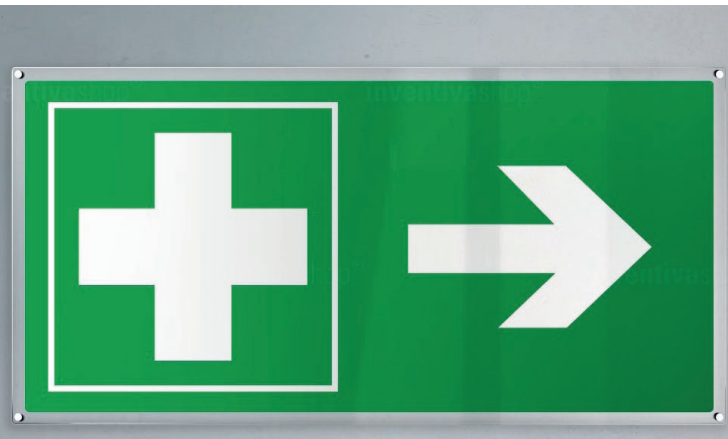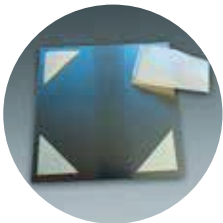Class E * luminance
aluminium 35.7 x 21.7 cm
Code DMR90.8924G

Red EXIT sign
Class E * luminance
aluminium 35.7 x 21.7 cm
Code DMR90.8924R

Black EXIT sign
Class E * luminance
aluminium 35.7 x 21.7 cm
Code DMR90.8924B

Adhesive pads
Indispensable for an easy and safe installation of our aluminium signs.
1 serie = 4 pads
Code DMR90.9129

Adhesive pads
Extremely strong adhesion for an easy and safe installation of our aluminium signs.

Exit
Film   30 x 10,5 cm Code DMR38.0126
Alu   30 x 10,5 cm Code DMR15.0126
            40 x 14   cm Code DMR15.0127

Signs will be equipped with 2 adhesive direction indicators

Directional arrow
Film   30 x 10,5 cm CodeDMR38.0105
Alu   30 x 10,5 cm Code DMR15.0105
            40 x 14   cm Code DMR15.0106

Handicapped exit to the right
Alu 20 x 20 cm Code 15.A2065

Handicapped exit to the left
Alu 20 x 20 cm Code 15.A2070

Home alarm
Film   15 x 15 cm Code 38.A5200
Alu   15 x 15 cm Code 15.A5201

ADHESIVE ESCAPE SIGNS

Emergency exit with evacuation stairs, to the left
ISO 7010-E016 to the left
Finish: printed or laminated
Film   20 x 20 cm Code DMR38.3020
Alu   20 x 20 cm Code DMR15.3020

Emergency exit with evacuation stairs, to the right
ISO 7010-E016 to the right
Finish: printed or laminated
Film   20 x 20 cm Code DMR38.3021
Alu   20 x 20 cm Code DMR15.3021

Fire exit
DIN 4844-2 DE019
Finish: printed or laminated
Film   15 x 15 cm Code DMR38.A2030
            20 x 20 cm Code DMR38.A2035
Alu   20 x 20 cm Code DMR15.A2035

Fire exit with acces to fire ladder
ISO 7010-E017

Film   20 x 20 cm Code DMR38.0037-2
Alu   20 x 20 cm Code DMR15.0037-2

Turn clockwise to open
ISO 7010-E019
Film   10 x 10 cm Code DMR38.A2055

Turn anti-clockwise to open
ISO 7010-E018
Film   10 x 10 cm Code DMR38.A2050

ADHESIVE MARKING FOR TOPS AND SECTIONS

This is an excellent complement for path signage for doors and stairs.
*please provide 6-digit order number, as well as the desired number/s or letter/s.

Numbers- letters
Film   15 x 15 cm Code DMR38.3022*
Alu   15 x 15 cm Code DMR15.3022*

OG

For example: **DMR38.3022-1** or **DMR38.3002-A**
Finish: screen or digital print, optionally laminated.

Film signs	Aluminium signs
size	size
15 x 15 cm	15 x 15 cm
20 x 20 cm	20 x 20 cm
30 x 10,5 cm	30 x 10,5 cm
	40 x 14 cm

- 0 1 2 3 4 **EG** 5 6
7 8 9 **UG** A B C D E

ADHESIVE FIRE-FIGHTING SIGNS

Excellent visibility

Fire-fighting safety signage that is required for escape routes must be photoluminescent, because safety lighting is not always present in the workplace. This guarantees an excellent visibility of fire-fighting safety signs if general lighting doesn't work.

Our recommendation: Mark always safety places according to the latest standards and directives to satisfy legal requirements. Use always the same signage inside the same place like a marking, because using different symbols for a safety plan may cause some confusion and disorientation with unpredictable consequences.

Fire extinguisher
ISO 7010-F001
Film   10 x 10 cm Code DMR38.A5005
              15 x 15 cm Code DMR38.7 694
              20 x 20 cm Code DMR38.7 695
              30 x 30 cm Code DMR38.A5 020
Alu   15 x 15 cm Code DMR15.7 694
              20 x 20 cm Code DMR15.7695
              30 x 30 cm Code DMR15.A5 020
              45 x 45 cm Code DMR15.A5025

Fire hose heel
ISO 7010-F002
Film   15 x 15 cm Code DMR38.7692
              20 x 20 cm Code DMR38.7693
Alu   15 x 15 cm Code DMR15.7692
              20 x 20 cm Code DMR15.7693

Fire-fighting equipment
ISO 7010-F004
Film   15 x 15 cm Code DMR38.7690
              20 x 20 cm Code DMR38.7691
Alu   15 x 15 cm Code DMR15.7690
              20 x 20 cm Code DMR15.7691

Fire ladder
ISO 7010-F003
Film   15 x 15 cm Code DMR38.US2712
              20 x 20 cm Code DMR38.US2713
Alu   15 x 15 cm Code DMR15.US2712
              20 x 20 cm Code DMR15.US2713

Fire blanket
ISO 7010-F016
Film   15 x 15 cm Code DMR38.7010F016-15
              20 x 20 cm Code DMR38.7010F016-20
Alu   15 x 15 cm Code DMR15.7010F016-15
              20 x 20 cm Code DMR15.7010F016-20

Fire emergency telephone
ISO 7010-F006
Film   15 x 15 cm Code DMR38.US2715
              20 x 20 cm Code DMR38.US2716
Alu   15 x 15 cm Code DMR15.US2715
              20 x 20 cm Code DMR15.US2716

Fire alarm
ISO 7010-F005
Film   15 x 15 cm Code DMR38.US2731
              20 x 20 cm Code DMR38.US2732
Alu   15 x 15 cm Code DMR15.US2731
   20 x 20 cm Code DMR15.US2732

Trolley-mounted fire extinguisher
ISO 7010-F001
Film   20 x 20 cm Code DMR38.7698

TRIPLE LOADING ADHESIVE PHOTOLUMINESCENT SIGNS

Triple loading, ideal for areas where lighting is poor or with short light periods. This is to be preferred for activation through LED. For the highest planning security for a 300 mcd/m^2 luminance after 10 minutes and 45 mcd/m^2 after 60 minutes. More visibility = More safety. We have been using successfully TL quality for years in the design. A new generation of innovative pigments combined with the high luminance of our HI 300 products generates a loading time up to three times faster. Therefore, TL 300 products are ideal for areas where lighting is poor or with short activation periods (for example, tunnels, stairs, underground parking lots and areas with time switch). On our customers request, we also provide markings for escape routes and fire-fighting equipment signs with this "Premium" quality.
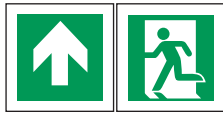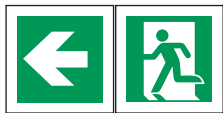

Emergency exit to the left,
forwards/upwards (combined sign)
ASR A1.3 E001+ directional arrow
Alum. 0,56   40 x 20 cm Code. DMRTL17.3026
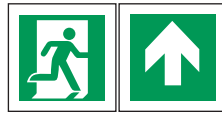
Emergency exit to the right,
forwards/upwards (combined sign)
ASR A1.3 E002+ directional arrow
Alum. 0,56   40 x 20 cm Code DMRTL17.3024

Fire extinguisher
ASR A1.3 F001 ISO 7010-F001
Alum. 0,56   20 x 20 cm Code DMRTL17.7695

Emergency exit to the left, arrow to the left
(combined sign)
ASR A 1.3 E001+ directional arrow
Alum. 0,56   40 x 20 cm Code DMRTL17.0089

Emergency exit to the right, arrow to the right
(combined sign)
ASR A1.3 E002+ directional arrow
Alum. 0,56   40 x 20 cm Code DMRTL17.0087

Fire hose heel
ASR A1.3 F002 ISO 7010-F002
Alum. 0,56   20 x 20 cm Code DMRTL17.7693

Emergency exit to the left, arrow downwards
(combined sign)
ASR A1.3 E001+ directional arrow
Alum. 0,56   40 x 20 cm Code DMRTL17.0085

Emergency exit to the right, arrow downwards
(combined sign)
ASR A1.3 E002+ directional arrow
Alum. 0,56   40 x 20 cm Code DMRTL17.0079

ANGULAR SIGNS

They are visible from different angles. Our angle and flag signage is made of aluminium and photoluminescent print. Angle and flag support can be complemented with self-adhesive labels of your choice. Please, indicate also the order number of the specific label.

Rectangular (angular) flag
for wall mounting
Material: Aluminium
Width: 30 cm, Height: 15 cm
Mounting sizes: Width: 46 cm, Height:
15 cm, Depth: 20,5 cm   Code DMR51.9550

Width: 40 cm, Height: 20 cm
Mounting sizes: Width: 59,5 cm, Height:
20 cm, Depth: 28 cm   Code DMR51.9551

Square (angular) flag
for wall mounting
Material: Aluminium
Width: 15 cm, Height: 15 cm
Mounting sizes: Width: 25,7 cm, Height:
15 cm, Depth: 10,5 cm   Code DMR51.9552

Width: 20 cm, Height: 20 cm
Mounting sizes: Width: 35,3 cm, Height:
20 cm, Depth: 14 cm   Code DMR51.9553

FLAG SIGNS

Rectangular flag for wall mounting
Material: Aluminium
Width: 30 cm, Height: 15 cm
Mounting sizes: Width: 2,2 cm, Height:
15 cm, Depth: 30,5 cm   Code DMR51.9560

Width: 40 cm, Height: 20 cm
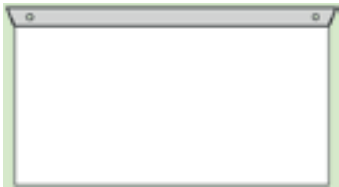Mounting sizes: Width: 2,2 cm, Height:
20 cm, Depth: 40,5 cm   Code DMR51.9561

Square flag for wall mounting
Material: Aluminium
Width: 15 cm, Height: 15 cm
Mounting sizes: Width: 2,2 cm, Height: 15
cm, Depth: 15,5 cm   Code DMR51.9557

Width: 20 cm, Height: 20 cm
Mounting sizes: Width: 2,2 cm, Height: 20
cm, Depth: 20,5 cm   Code DMR51.9558

Rectangular flag for ceiling mounting
Material: Aluminium
Width: 30 cm, Height: 15 cm
Mounting sizes: Width 30 cm, Height:
15,5 cm, Depth: 2,2 cm   Code DMR51.9555

Width: 40 cm, Height: 20 cm
Mounting sizes: Width: 40 cm, Height:
20,5 cm, Depth: 2,5 cm   CodeDMR51.9556

Square flag for ceiling mounting
Material: Aluminium
Width: 15 cm, Height: 15 cm
Mounting sizes: Width: 15 cm, Height: 15,5 cm,
Depth: 2,2 cm   Code DMR51.9563

Width: 20 cm, Height: 20 cm
Mounting sizes: Width: 20 cm, Height: 20,5 cm,
Depth: 2,5 cm   Code DMR51.9564

FLAG AND ANGULAR SIGNS

Aluminium signs
size
15 x 15 cm
20 x 20 cm

First Aid
FLAG - ISO 7010
15 x 15 cm   Code DMR15.9212
20 x 20 cm   Code DMR15.9213

ANGULAR - ISO 7010
15 x 15 cm   Code DMR15.9202
20 x 20 cm   Code DMR15.9203

Automated external defibrillator (AED)
FLAG - ISO 7010
15 x 15 cm   Code DMR15.3053
20 x 20 cm   Code DMR15.3055

ANGULAR - ISO 7010
15 x 15 cm   Code DMR15.3052
20 x 20 cm   Code DMR15.3054

Emergency telephone
FLAG - ISO 7010
15 x 15 cm   Code DMR15.9523
20 x 20 cm   Code DMR15.9524

ANGULAR - ASR A1.3 E007
15 x 15 cm   Code DMR15.9521
20 x 20 cm   Code DMR15.9522

Emergency eye wash
FLAG - ISO 7010
15 x 15 cm   Code DMR15.9515
20 x 20 cm   Code DMR15.9516

ANGULAR - ISO 7010
15 x 15 cm   Code DMR15.9513
20 x 20 cm   Code DMR15.9514

Emergency stretcher
FLAG - ISO 7010
15 x 15 cm   Code DMR15.9507
20 x 20 cm   Code DMR15.9508

ANGULAR - ASR A1.3 E004
15 x 15 cm   Code DMR15.9505
20 x 20 cm   Code DMR15.9506

Fire extinguisher
FLAG - ISO 7010-F001
15 x 15 cm   Code DMR15.A503520
20 x 20 cm   Code DMR15.A5036
30 x 30 cm   Code DMR15.A5037
ANGULAR - ISO 7010-F001
15 x 15 cm   Code DMR15.A5030
20 x 20 cm   Code DMR15.A5031
30 x 30 cm   Code DMR 15.A5032

Fire hose heel
FLAG - ISO 7010-F002
15 x 15 cm   Code DMR15.A5141
20 x 20 cm   Code DMR15.A5146
ANGULAR - ISO 7010-F002
15 x 15 cm   Code DMR15.A5140
20 x 20 cm   Code DMR15.A5145

Fire-fighting equipment
ANGULAR - ISO 7010-F004
15 x 15 cm   Code DMR15.A5195
20 x 20 cm   Code DMR15.A5197

Fire alarm
FLAG - ISO 7010-F005
15 x 15 cm   Code DMR15.A5157
20 x 20 cm   Code DMR15.A5159
ANGULAR - ISO 7010-F005
15 x 15 cm   Code DMR15.A5156
20 x 20 cm   Code DMR15.A5158

NEW SAFETY PICTOGRAMS

Concerning DIN EN ISO 7010 Signs with "C" class luminance
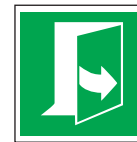

Evacuation temporary refuge
DIN EN ISO 7010 E024

Film   20 x 20 cm Code DMR38.A2080

Push door open on the left
DIN EN ISO 7010 E022

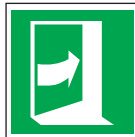**Film**   20 x 20 cm Code DMR38.A2075

Pull door open from the left
DIN EN ISO 7010 E057

Film   20 x 20 cm Code DMR38.A2087

Emergency evacuation chair
DIN EN ISO 7010 E060

Film   20 x 20 cm Code DMR38.A2092

Push door open on the right
DIN EN ISO 7010 E023

Film   20 x 20 cm Code DMR38.A2077

Pull door open from the right
DIN EN ISO 7010 E058

Film   20 x 20 cm Code DMR38.A2090

Slide right to open
DIN EN ISO 7010 E033

Film   20 x 20 cm Code DMR38.A2082

Slide left to open
DIN EN ISO 7010 E034

Film   20 x 20 cm Code DMR38.A2085

Emergency stop push button
DIN EN ISO 7010 E020

Film   20 x 20 cm Code DMR38.A2097

Potable water
DIN EN ISO 7010 E015

Film   20 x 20 cm
          Code DMR38.A2095

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ACCESSORIES

Atractive and sturdy, suitable for all types of marking (photoluminescent/normal)

Sturdy frames are made of aluminium. To install markings on escape routes, emergency exits, hospital emergencies and fire-fighting safety. Easy installation of signs without tools.

Safety signs frame

Material: Aluminium/hard fiber, lightweight silver

15x15 cm sign Width: 15,8 cm, Height: 15,8 cm	Code	DMR90.3043
30x15 cm sign Width: 30,8 cm, Height: 15,8 cm	Code	DMR90.3045
20x20 cm sign Width: 20,8 cm, Height: 20,8 cm	Code	DMR90.3047
40x20 cm sign Width: 40,8 cm, Height: 20,8 cm	Code	DMR90.3049
Safety key	Code	DMR90.3050
Anti-theft device	Code	DMR90.3051

> Other shapes, sizes (for example, 30 x 30 cm) or materials, such as acrylic glass front cover on request.
> Other frame colours are also available on request. Complete solutions always on request.

"Cube" for a unique and original design

Material: White aluminium, with 4 holes for its installation on ceiling

Length: 40 cm, Width: 40 cm, Height: 40 cm   Code DMR90.4997
Length: 20 cm, Width: 20 cm, Height: 20 cm   Code DMR90.4998

Connectors - chains

Material: metal wire 1,6 mm thickness
(connectors length on request)   Code DMR90.9122

"S"-shaped hooks

Material: metal wire 2 mm Thickness
Serie = 10 pieces   Code DMR90.9124

CONVENIENT MOUNTING

You have bought a high quality product. In order to ensure a perfect visibility, a permanent installation and the efficiency of our products we provide some useful information for you in this catalog. Please note that our standard products are generally designed for indoor use (exception: "Assembly point" aluminium sign).
If you need products for outdoor use, we would be pleased to send you a specific quote.

CLEANING - BASE AND SIGN

For installation through adhesion, the base must be uniform, clean and free of grease. We recommend alcohol (for example isopropanol). Please, pay attention to regulations concerning professional safety when you use alcohol. If it's not possible to treat correspondingly the base, these products must be fixed through mechanical tools (for example screws and rivets). When you handle aluminium signs, please pay attention to their edges, that are sharper than those of Film signs.

INSTALLATION - WITH ADHESIVE PADS

We recommend our adhesive pads that are made of foam glue to install aluminium or other solid materials.
Procedure: clean the base as described above. Use at least 4 adhesive pads (1 sheet) for one sign.
Please note that there could be any residues when you remove adhesive pads.
This is the reason why the signs position must be carefully checked in advance. After a pad has adhered to the sign, it is no longer possible to reposition it without damaging the product and/or its base.

Convenient mounting: Adhesive pads
Code DMR90.9129 (1 sheet = 4 pads)

CORRECT MOUNTING

POSITIONING - Visible above the door

Escape signs must be installed on a reasonable place and be visible at any time. This is the reason why escape signs MUST NOT be installed on door leaves because they could be opened in case of emergency, and therefore they could no longer be visible.

For further information about safety measures and positioning, please refer to DIN SPEC 4844-4 rule.

POSITIONING - Perfect perceptibility

Escape direction and information about fire-fighting equipment must be visible from any position along the escape route. There's a formula to calculate the "Perception of width" for the correct sizing of signs.
E = h x z
E = Width Perception
h = Sign height
z = distance factor (100 for illuminated signs).
Please note that this formula is based on optimal conditions of sight. In case of doubts, you should rather use a bigger sign or a greater number of signs.

| Segnale 40 x 40cm | Segnale 30 x 30cm | Segnale 20 x 20cm | Segnale 10 x 10cm |
| Percettibilità 40 m | Percettibilità 30 m | Percettibilità 20 m | Percettibilità 10 m |

ACTIVATION - Incidence of light
Luminous source

Photoluminescent products are activated by luminous sources composed of blue light. Daily light, fluorescent lamps and many LED lamps are suitable for photoluminescent material loading. If you have any questions about what luminous intensity (in lux) of the product is sufficient or optimal, do not hesitate to contact us. Previous recommendation of DIN 67510 with 25 lux of a luminescent lamp with 4.000 K can no longer be applied safely because of the variety of different photolominescence products and types of lamps; but it is still a reference value. We recommend from 40 to 50 lux for permanent lighting of a HI 150 product.
Please make sure that signs are installed inside the light beam. The more frontal the light beam is, the better the loading result will be.

MATERIALS - Aluminium / Film

We use high quality aluminium films and materials for our safety signs. However, alternative materials can be requested depending on environmental conditions. We will be pleased to give you advices in this regard.
All products comply with "DIN 67510" norm and with "REACH" regulation.