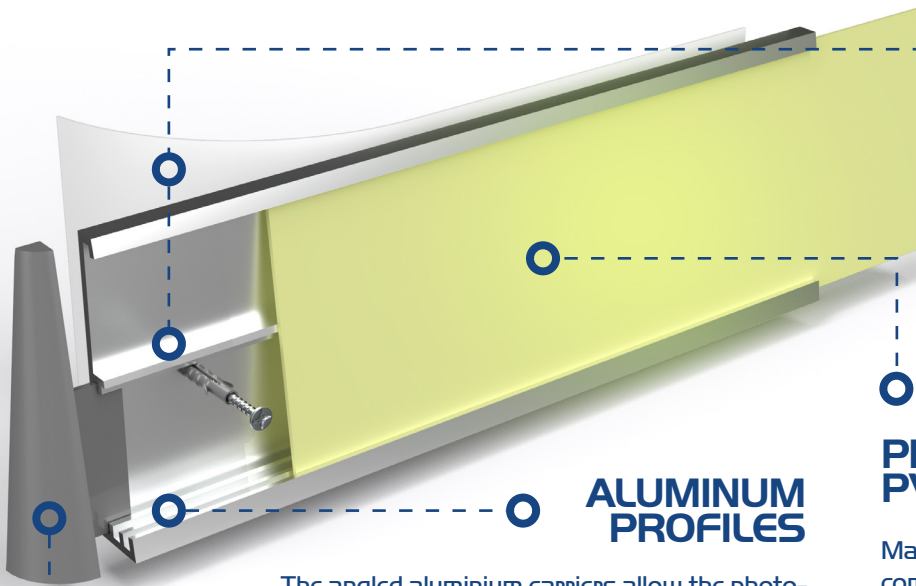# PHOTOLUMINESCENT

LOW LOCATION LIGHTING SYSTEM

Photoluminescent escape route system (LLL) available in three options based on different material and mounting method.

www.a-spe.com

AS 83 LOW LOCATION LIGHTING SYSTEM

MOUNTING OPTIONS

Aluminium profiles with photoluminescent PVC inserts can be mounted directly onto wall by means of self-adhesive foam or can be bolted into place.

PHOTOLUMINESCENT PVC STRIPS

Made of photoluminescent rigid plate complemented with self-adhesive directional arrows and safety equipment location signs.

ALUMINUM PROFILES

The angled aluminium carriers allow the photo-luminescent PVC insert to catch more ambient light. The profiles are available in two standard widths: 60mm and 85mm to display either 50mm or 75mm of the photoluminescent strip.

END CAPS

Aluminium profiles are supplied with end caps which provide a neat finish and prevent inserts from sliding out.

LUMINANCE CLASSES
DETAILS IN THE LUMINANCE VALUE TABLE

B C D F G
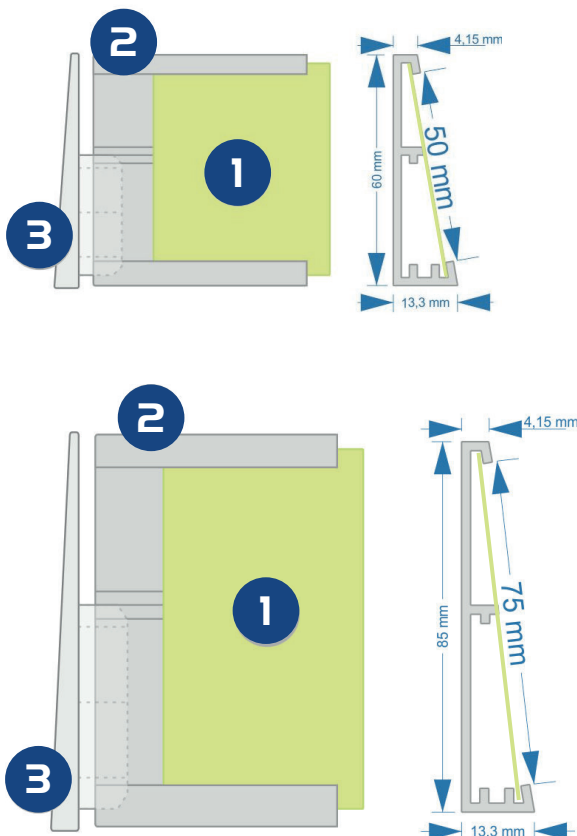
REGULATIONS AND STANDARDS

DNV

The A-SPE Low Location Lighting range is MED-approved by DNV and complies with the following Regulations and Standards:

- Regulation (EU) 2017/306
- item No. MED/3.40 SOLAS 74 as amended
- Regulation II-2/13, FSS Code 11
- IMO Res. A.752(18)
- ISO 15370
- ISO 3864
- DIN 67510-1

Dimensions (top profile)
4,15 mm
60 mm
50 mm
13,3 mm

Dimensions (bottom profile)
4,15 mm
85 mm
75 mm
13,3 mm

AVAILABILITY

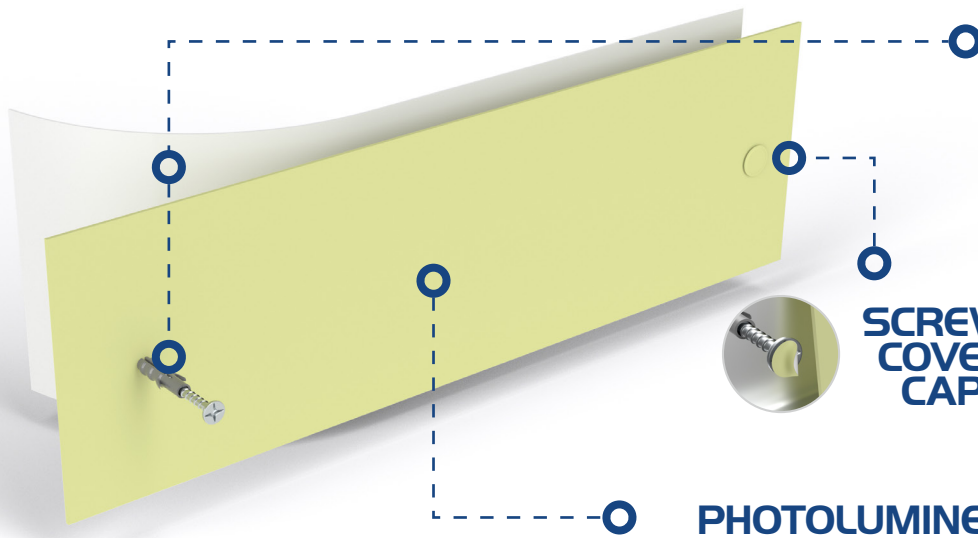|	STANDARD WIDTHS OF LLL SYSTEMS	
	60mm x 1000mm	**85mm x 1000mm**
1	**PHOTOLUM. STRIP** 54,5mm x 1000mm code: AS-42/60	**PHOTOLUM. STRIP** 81,3mm x 1000mm code: AS-42/85
2	**ALUMINUM PROFILE** 60mm x 1000mm code: AS-85/60	**ALUMINUM PROFILE** 85mm x 1000mm code: AS-85/85
3	**END CAP** code: AS-86/60	**END CAP** code: AS-86/85

AS 42 LOW LOCATION LIGHTING STRIP

MOUNTING OPTIONS

Photoluminescent PVC strips can be mounted directly onto wall by means of self-adhesive foam or dedicated anchor screws. Screw heads can be additionally covered with available screw cover caps for an aesthetic finish.

SCREW COVER CAPS

PHOTOLUMINESCENT PVC STRIPS

Photoluminescent wall strips and transparent self-adhesive signs ensure all evacuation routes to be clearly marked in order to indicate direction and locations of lifesaving and fire-fighting equipment in the event of fire. The PVC strips are an economy and easy to instal option, available in several versions diversified by luminance intensity, width and length.

AVAILABILITY

STANDARD WIDTHS OF LLL STRIPS

code: **AS-42/35** – 35mm x 1000mm
code: **AS-42/50** – 50mm x 1000mm
code: **AS-42/75** – 75mm x 1000mm
code: **AS-42/100** – 100mm x 1000mm
code: **AS-42/SC** – screw caps Ø 15mm

LUMINANCE CLASSES
DETAILS IN THE LUMINANCE VALUE TABLE

B C D F G

AS 44 LOW LOCATION LIGHTING TAPE

OPTIONAL STICKERS*

Photoluminescent tapes can be supplied with complementary self-adhesive transparent signs which can be applied directly onto the tape.

* The set consists of 10 right and 10 left handed stickers (designs on the back page)

LUMINANCE CLASSES
DETAILS IN THE LUMINANCE VALUE TABLE

B C D

AVAILABLE TAPE PATTERNS

AS-44 PLAIN
code: **AS-44/40P** – 40mm x 10m roll
code: **AS-44/80P** – 80mm x 10m roll

AS-44 GREEN DIAGONAL
code: **AS-44/40G** – 40mm x 10m roll
code: **AS-44/80G** – 80mm x 10m roll

AS-44 RED DIAGONAL
code: **AS-44/40R** – 40mm x 10m roll
code: **AS-44/80R** – 80mm x 10m roll

AS-44 BLACK DIAGONAL
code: **AS-44/40B** – 40mm x 10m roll
code: **AS-44/80B** – 80mm x 10m roll

AS-44 CLEAR TAPE + 20 STICKERS*
code: **AS-44/40PS** – 40mm x 10m roll
code: **AS-44/80PS** – 80mm x 10m roll
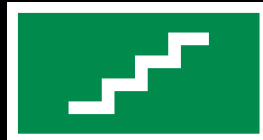
AS 01 LOW LOCATION LIGHTING SIGNAGE

The complementary self-adhesive transparent signs are dedicated to highlight locations of lifesaving and fire-fighting equipment in the event of fire along the escape route system. The signs can be applied on photoluminescent PVC inserts and tapes. The set of 10 left and 10 right handed stickers is supplied separately with each roll.
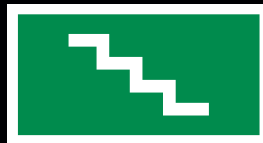
AS-01 MUSTER
80mm x 40mm
160mm x 80mm
transparent vinyl, eco print
10pcs left + 10pcs right

AS-01 EXIT HORIZONTAL
80mm x 40mm
160mm x 80mm
transparent vinyl, eco print
10pcs left + 10pcs right

AS-01 STAIRS
80mm x 40mm
160mm x 80mm
transparent vinyl, eco print
10pcs left + 10pcs right

AS-01 EXIT VERTICAL
80mm x 40mm
160mm x 80mm
transparent vinyl
eco print
10pcs left
+ 10pcs right

TECHNICAL DETAILS
mcd/m2

	AS-44 TAPE	AS-42 STRIP
SERVICE TEMP.	-20°C to +50°C	-30°C to +80°C
THICKNESS	0,3mm	1,2mm
SHELF LIFE	min. 3 years when stored in a dry and ventilated area	
SERVICE LIFETIME	5-10 years (indoor), 3-5 years (outdoor)	

SELECT THE RIGHT BRIGHTNESS
?
to meet ISO 15370:2010 requirement

width	10min	60min	min. class
35mm	68,0	9,0	F
50mm	33,7	4,5	C
75mm	15,0	2,0	B
100mm	8,4	1,1	B

LUMINANCE VALUE
mcd/m2

PRODUCT CODE	Measurement acc. to ISO 15370:2010		Measurement acc. to DIN 67510-1	
	10 min	60 min	10 min	60 min
AS-42/B PVC Strip	20,9	6,2	102,6	13,3
AS-42/C PVC Strip	34,2	10,3	177,7	22,9
AS-42/D PVC Strip	52,3	15,5	258,7	34,3
AS-42/F PVC Strip	70,0	26,1	420,7	61,4
AS-42/G PVC Strip	72,5	31,1	469,7	75,3
AS-44/B Tape	25,8	6,8	111,1	14,3
AS-44/C Tape	35,9	10,7	178,6	23,5
AS-44/D Tape	47,9	14,4	267,6	34,5