

ALU SGN LED

ALU SGN LED is a low power surface mounted and suspended LED luminaire designed for emergency escape lighting. Its main task is to indicate escape routes by means of internally illuminated evacuation sign in the ISO 7010 standard.

There is also an **ALU 4W** luminaire, special version that allows you to additionally highlight the escape routes and fire points (see "SPECIAL CONSTRUCTION").

ALU SGN LED is compatible with all emergency lighting systems offered by HYBRYD.



Safety sign visibility:

30x15cm > 30m

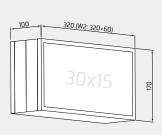
40x20cm > 40m

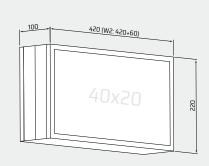
60x30cm > 60m

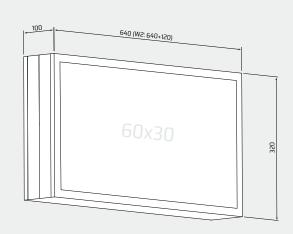












DS - ALU SGN LED - EN - V05



LUMINAIRE FEATURES

- Luminaire shows the directions of escape
- LED indicators signalling the luminaire state
- · Deep discharge battery protection
- · Maintained/non-maintained operation mode
- Possibility of connecting to the monitoring system or collective power supply system
- A lot of mounting types
- Housing is made of aluminum, lamp shade of PC
- · Installation inside the building
- · Three size variants

TECHNICAL DATA

	ST, AT, CT	230V AC 50/60Hz					
	СВ	230V AC 50/60Hz 80-275V DC					
Supply voltage	СВАМ	230V AC 50/60Hz 170-275V DC					
	LVAM	15-32V DC					
Protection class	ST, AT, CT, CB, CBAM	I					
Profection class	LVAM	III					
Ingress protection		IP40					
Light source		LED Strips ¹⁾					
Light colour temperature		5000K					

Colour rendering index		70
Light source supply power		2W, 4W
Minimum luminous flux (4W)		195lm
Light source lifespan		> 50 000h
Battery type	ST, AT, CT	Ni-Cd, Ni-MH
Battery recharging time	ST, AT, CT	< 24h
Emergency operation time	ST, AT, CT	1h, 3h
Ambient temperature	ST, AT, CT CB, CBAM LVAM	+5 - +45°C -10 - +55°C -25 - +60°C
Through wiring		YES
NAI		

¹⁾ Non-exchangeable, but serviceable light source

AVAILABLE SYSTEMS

ST – STANDARD – tests commissioned manually

AT – AUTOTEST – internal components, battery and light source tests being performed automatically

CT – CENTRALTEST – internal components, battery and light source tests being performed on command from the main unit of central management system H-300

CB - luminaire supplied from HVCBS (230V AC/ 216V DC), without address module

CBAM – luminaire supplied from the HVCBS (230V AC/ 216V DC), with built-in address module and operating mode selection

LVAM – luminaire supplied with 24V DC from the LVDBS system, with built-in address module and operating mode selection

MATERIAL

Housing material – powder coated aluminium

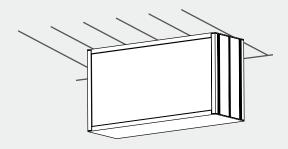
Housing colour - \bigcirc RAL 9003, other colours on special order **Lamp shade material** - PC plate

2/5 www.hybryd.eu

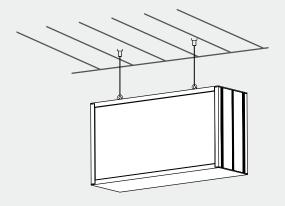


MOUNTING TYPES

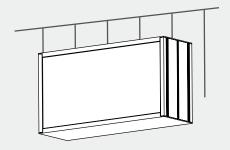
C2 - directly to the ceiling



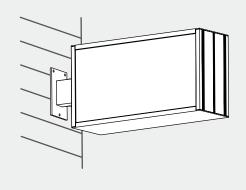
C2 + C2O2 (hooks) - suspended



W1 - back to the wall

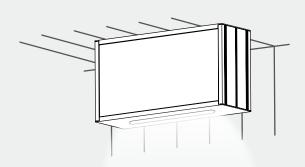


W2 – side to the wall (semaphore)

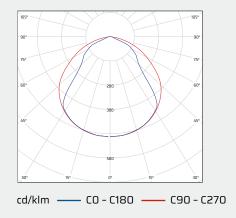


SPECIAL CONSTRUCTION

ALU 4W – exit sign and backlight



DISTANCE TABLE

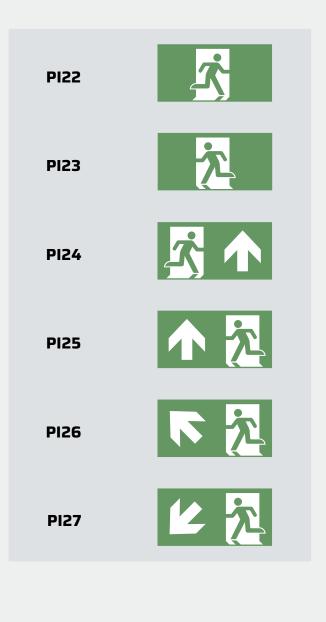


DS - ALU SGN LED - EN - V05



SAFETY SIGNS

P04	EXIT
P105	S V
PI06	少
PI15	
PI17	← ½
PI18	
PI21	



4/5 www.hybryd.eu



5/5

ORDERING

2W - LED strip powered by 2W 4W - special version Luminaire type: 55 - single sided D5 - double sided (W2,C2) ™ Safety sign dimension: 30x15 - 30x15 cm 40x20 - 40x20cm 60x30 - 60x30cm System variant: 51 - standard AT - autotest CT - centrally supplied luminaire CBAM - centrally supplied luminaire, with address module LVAM - entrally supplied luminaire, with address module LVAM - entrally supplied luminaire, with address module LVAM - entrally low voltage supplied luminaire, with address module LVAM - entrally for voltage supplied luminaire, with address module LVAM - entrally low voltage supplied luminaire, with address module LVAM - entrally for voltage supplied luminaire, with address module Mounting: 1h - emergency operation time of 60 minutes 3h - emergency operation time of 80 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the celling Luminaire distance from the wall: LUOS - 5 cm (W2) X - not applicable (W1, C2) Safety sign see table "SAFETY SIGNS"		ALU SGN LED	0000 - EN	ı - 2W -	SS	- 30x15	- AT	- 31	1 -	9003	- FT -	W1	-	X	- PI
AW - special version Luminaire type: 55 - single sided D5 - double sided (W2,C2) ¹⁹ Safety sign dimension: 30x15 - 30x15cm 40x20 - 40x20cm 60x30 - 60x30cm System variant: 5T - standard AT - autolest CT - centrallest CB - centrally supplied luminaire CBAM - centrally supplied luminaire, with address module LVAM - centrally supplied luminaire, with address module LVAM - centrally flow voltage supplied luminaire, with address module Emergency operation time: 1h - emergency operation time of 60 minutes 3h - emergency operation time of 180 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: W003 - \(\text{ RAL 9003} \) on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) L2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table _SAFETY SIGNS*	Light source supply power:														
Luminaire type: 55 - Single sided D5 - double sided (W2,C2)** Safety sign dimension: 30x15 - 30x15cm 40x20 - 40x20cm 60x30 - 60x30cm 50x30 - 60x30cm 50	2W – LED strip powered by 2W														
SS - single sided DS - double sided (W2,C2) ° Safety sign dimension: 30x15 - 30x15cm 40x20 - 40x20cm 60x30 - 60x30cm 50x16 - 60x30cm 5	4W – special version														
DS - double sided (W2,C2) ® Safety sign dimension: 30x15 - 30x15cm 40x20 - 40x20cm 60x30 - 60x30cm System variant: ST - standard AT - autotest CT - centrallest GE - centrally supplied luminaire (CBAM - centrally supplied luminaire, with address module LVAM - centrally supplied luminaire, with address module LVAM - centrally supplied luminaire, with address module Emergency operation time: 1h - emergency operation time of 60 minutes 3h - emergency operation time of 60 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: 9003 - ○ RAL 9003 on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table _SAFETY SIGNS*	Luminaire type:														
Safety sign dimension: 30x15 - 30x15cm 40x20 - 40x20cm 60x30 - 60x30cm System variant: \$T - standard AT - autotest CT - centrallest GB - centrally supplied luminaire GBAM - centrally supplied luminaire (BAM - centrally supplied luminaire, with address module LVAM - centrally low voltage supplied luminaire, with address module Emergency operation time: th - emergency operation time of 60 minutes 3h - emergency operation time of 180 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: 9003 - RAL 9003 on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table _SAFETY SIGNS*	SS – single sided														
30x15 - 30x15cm 40x20 - 40x20cm 60x30 - 60x30cm System variant: ST - standard AT - autotest CT - centralitest CB - centrally supplied luminaire CBAM - centrally supplied luminaire, with address module LVAM - centrally low voltage supplied luminaire, with address module LVAM - centrally low voltage supplied luminaire, with address module Emergency operation time: 1h - emergency operation time of 60 minutes 3h - emergency operation time of 180 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: 0003 - ○ RAL 9003 on special order Mounting: WI - back to the wall WZ - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (WZ) X - not applicable (WI, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	DS – double sided (W2,C2) ¹⁾														
40x20 - 40x20cm 60x30 - 60x30cm System variant: 5T - standard AT - autotest CT - centraltest CB - centrally supplied luminaire CBAM - centrally supplied luminaire, with address module LVAM - centrally low voltage supplied luminaire, with address module LVAM - centrally low voltage supplied luminaire, with address module Emergency operation time: 1h - emergency operation time of 60 minutes 3h - emergency operation time of 180 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: 9003 - RAL 9003 on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	Safety sign dimension:														
60x30 - 60x30cm System variant: 5T - standard AT - autotest CT - centraltest CB - centrally supplied luminaire CBAM - centrally supplied luminaire, with address module LVAM - centrally supplied luminaire, with address module LVAM - centrally low voltage supplied luminaire, with address module Emergency operation time: 1h - emergency operation time of 60 minutes 3h - emergency operation time of 180 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: 9003 - ○ RAL 9003 on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table _SAFETY SIGNS*	30x15 – 30x15cm														
System variant: 5T - standard AT - autotest CT - centralltest CB - centrally supplied luminaire CBAM - centrally supplied luminaire, with address module LVAM - centrally low voltage supplied luminaire, with address module Emergency operation time: 1h - emergency operation time of 60 minutes 3h - emergency operation time of 180 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: 9003 - \RAL 9003 on special order Mounting: W1 - back to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: LOOS - Scm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table _SAFETY SIGNS"	40x20 – 40x20cm														
ST - standard AT - autotest CT - centraltest CB - centrally supplied luminaire CBAM - centrally supplied luminaire, with address module LVAM - centrally tow voltage supplied luminaire, with address module EVAM - centrally tow voltage supplied luminaire, with address module Emergency operation time: 1h - emergency operation time of 60 minutes 3h - emergency operation time of 180 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: 9003 - ARJ 9003 on special order Mounting: W1 - back to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: LODS - Scm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table _SAFETY SIGNS*	60x30 - 60x30cm														
AT - autotest CT - centraltest CB - centrally supplied luminaire CBAM - centrally supplied luminaire, with address module LVAM - centrally low voltage supplied luminaire, with address module Emergency operation time: 1h - emergency operation time of 60 minutes 3h - emergency operation time of 180 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: 9003 - ARL 9003 on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - Scm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table _SAFETY SIGNS*	System variant:														
CT - centrallest CB - centrally supplied luminaire CBAM - centrally supplied luminaire, with address module LVAM - centrally low voltage supplied luminaire, with address module Emergency operation time: 1h - emergency operation time of 60 minutes 3h - emergency operation time of 180 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: 9003 - RAL 9003 on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	ST – standard														
CB - centrally supplied luminaire CBAM - centrally supplied luminaire, with address module LVAM - centrally low voltage supplied luminaire, with address module Emergency operation time: 1h - emergency operation time of 60 minutes 3h - emergency operation time of 180 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: 9003 - RAL 9003 on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	AT – autotest														
CBAM - centrally supplied luminaire, with address module LVAM - centrally low voltage supplied luminaire, with address module Emergency operation time: 1h - emergency operation time of 60 minutes 3h - emergency operation time of 180 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: 9003 - RAL 9003 on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	CT – centraltest														
LVAM - centrally low voltage supplied luminaire, with address module Emergency operation time: 1h - emergency operation time of 60 minutes 3h - emergency operation time of 180 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: 9003 - RAL 9003 on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	CB – centrally supplied luminaire)													
Emergency operation time: 1h - emergency operation time of 60 minutes 3h - emergency operation time of 180 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: 9003 - RAL 9003 on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	CBAM – centrally supplied lumin	aire, with address n	nodule												
1h - emergency operation time of 60 minutes 3h - emergency operation time of 180 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: 9003 - ○ RAL 9003 on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	LVAM – centrally low voltage sup	oplied luminaire, wit	th address mod	dule											
3h - emergency operation time of 180 minutes X - not applicable (CB, CBAM, LVAM) Housing colour: 9003 - RAL 9003 on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	Emergency operation time:														
X - not applicable (CB, CBAM, LVAM) Housing colour: 9003 - RAL 9003 on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	1h – emergency operation time o	of 60 minutes													
Housing colour: 9003 - RAL 9003 on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	3h – emergency operation time of	of 180 minutes													
9003 - ○ RAL 9003 on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	X – not applicable (CB, CBAM, LVA	AM)													
on special order Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	Housing colour:														
Mounting: W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	9003 - \bigcirc RAL 9003														
W1 - back to the wall W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	– on special order														
W2 - side to the wall (semaphore) C2 - directly to the ceiling Luminaire distance from the wall: L005 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	Mounting:														
C2 – directly to the ceiling Luminaire distance from the wall: L005 – 5cm (W2) X – not applicable (W1, C2) Safety sign: NOP – plate without safety sign – see table "SAFETY SIGNS"	W1 – back to the wall														
Luminaire distance from the wall: LOO5 - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	W2 – side to the wall (semaphor	e)													
LOOS - 5cm (W2) X - not applicable (W1, C2) Safety sign: NOP - plate without safety sign see table "SAFETY SIGNS"	C2 – directly to the ceiling														
X – not applicable (W1, C2) Safety sign: NOP – plate without safety sign – see table "SAFETY SIGNS"	Luminaire distance from the wal	l:													
Safety sign: NOP – plate without safety sign – see table "SAFETY SIGNS"	L005 – 5cm (W2)														
NOP – plate without safety sign – see table "SAFETY SIGNS"	X – not applicable (W1, C2)														
– see table " SAFETY SIGNS "	Safety sign:														
	NOP – plate without safety sign														
X – without PC plate	– see table "SAFETY SIGNS"														
	X – without PC plate														

 $^{^{\}rm 1)} {\rm In} \ {\rm case} \ {\rm of} \ {\rm double\text{-}sided} \ {\rm luminaire} \ {\rm you} \ {\rm have} \ {\rm to} \ {\rm buy} \ {\rm two} \ {\rm safety} \ {\rm signs}.$

Note: The luminare can not be installed without a safety sign.

DS - ALU SGN LED - EN - VO5