



ALTUS STEP ROW NUMBER brings the best solution for signage and safety for crowded places of low visibility as cinemas, theaters, corridors, offices, etc. The illuminated numbered profiles are very bright and have power below 0,7W. The profile is of a simple but robust construction of one piece, designed to bear burden up to 200 kg over its metallic frame. STEP ROW NUMBER profile is available in black or white as standard, other profile colours are available upon request. The fixture is available in ECO and ECO+ versions. ECO+ version provides greater brightness, when required by the customer. Profile design is engraved by high quality laser. It is possible to engrave any type of number, letters or anagrams.



APPLICATION



PRODUCT DESCRIPTION

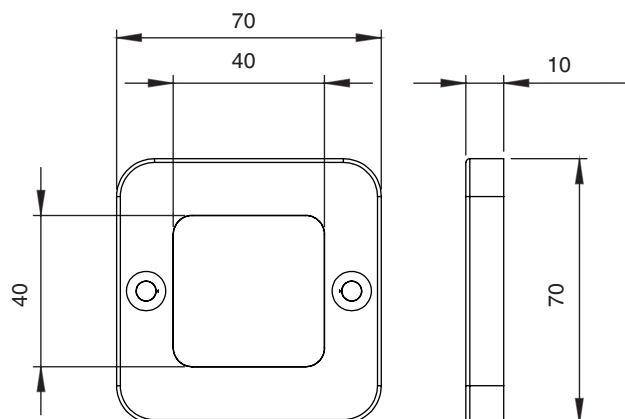
- Best solution for corridors and number signage and safety.
- Weight support up to 150 kg/m2
- High efficiency LED technology. Between 50 and 90 Lm/W (depending on colour)
- Available in red, green, blue, amber and white
- Available in 4000K-5500K
- Operating temperature between -20°C and +55°C
- Standard fastening with M5 screws
- Life-time exceeds 50.000 hrs
- Laser engraving of number, letters or anagrams
- High visibility in unlighted places



TECHNICAL DATA

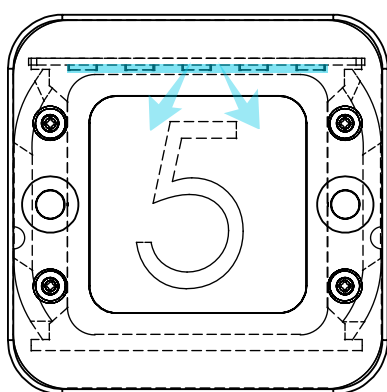
- 5 years guarantee
- SELV voltage < 50v
- Available in red, green, blue, amber and white
- Individually supplied, minimum 50 units
- OEM paint possibility, matt or gloss
- LED life-time exceeds 50.000 hrs
- Coated PCB for moisture protection
- Consumption < 1W at 12V
- Sharp and high visibility engrave
- Slim profile (ideal for emergency signage)
- Dimmable by PWM dimmers

DIMENSIONS

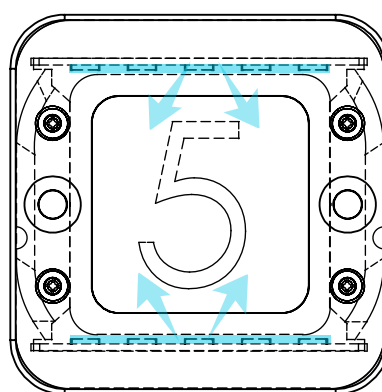


(*) Measured in mm

SPECIFIC TECHNICAL DATA



E : ECO



E+ : ECO+

Code	Colour	Voltage (Vcc)	In tp=65°C (mA)	LED	Light	P=W
31.65.0501	R: ●	12	20	3	Eco	0,25
31.65.0502	R: ●	12	15	6	Eco+	0,50
31.65.0503	B: ●	12	20	3	Eco	0,25
31.65.0504	B: ●	12	15	6	Eco+	0,50
31.65.0505	G: ●	12	20	3	Eco	0,25
31.65.0506	G: ●	12	15	6	Eco+	0,50
31.65.0507	A: ●	12	05	3	Eco	0,25
31.65.0508	A: ●	12	15	6	Eco+	0,50
31.65.0509	W: ○	12	05	3	Eco	0,25
31.65.0510	W: ○	12	15	6	Eco+	0,50

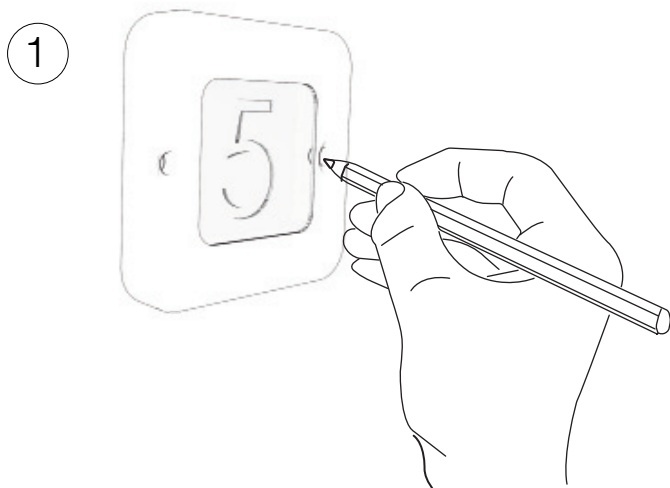
R: Red / B: Blue / G: Green / A: Amber / W: White

Code	Colour	Voltage (Vcc)	In tp=65°C (mA)	LED	Light	P=W
31.65.0551	R: ●	24	20	3	Eco	0,50
31.65.0552	R: ●	24	15	6	Eco+	1,00
31.65.0553	B: ●	24	20	3	Eco	0,50
31.65.0554	B: ●	24	15	6	Eco+	1,00
31.65.0555	G: ●	24	20	3	Eco	0,50
31.65.0556	G: ●	24	15	6	Eco+	1,00
31.65.0557	A: ●	24	05	3	Eco	0,50
31.65.0558	A: ●	24	15	6	Eco+	1,00
31.65.0559	W: ○	24	05	3	Eco	0,50
31.65.0560	W: ○	24	15	6	Eco+	1,00

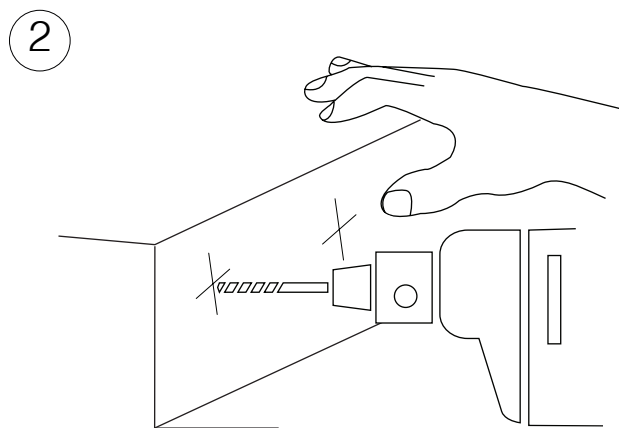
R: Red / B: Blue / G: Green / A: Amber / W: White



INSTALLATION AND CONNECTION

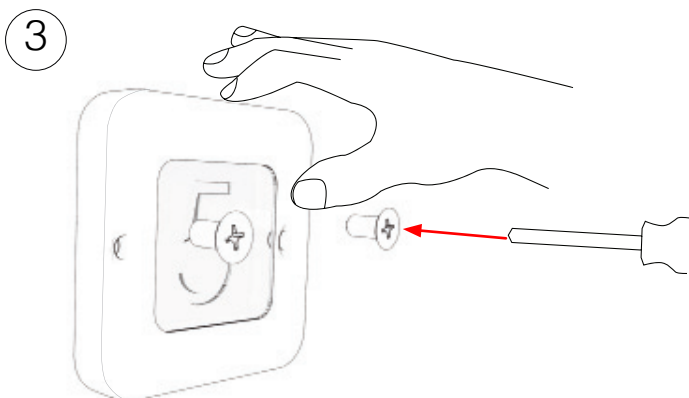


Place profile on desired wall or step. Through profile's holes, make a mark on the wall or step, to use as reference.



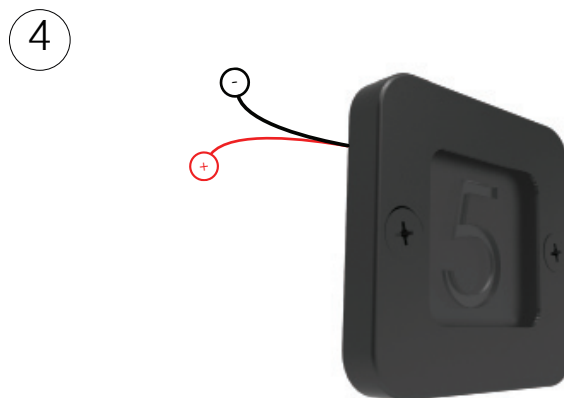
Drill on the spotted marks.

Note: Optional: use silicon glue between the wall or step and profile for greater attachment.

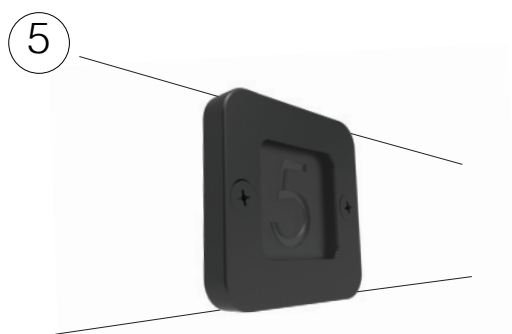


Place and press profile and tight the screws

Note: Accessor M5 black matte screws.



Connect positive (+, red) and negative (-, black) wires to appropriate voltage 12/24 Vcc.



Number profile is utterly installed.

(*) Max. 500 mm wire.



SECURITY AND INSTALLATION INFORMATION



ELECTRICAL POWER

STEP ROW NUMBER must be feed at constant current; the energy source power must be in accordance with the quantity of connected modules for proper functioning of the module (group of modules) or emergency lighting.



ISOLATION

STEP ROW NUMBER functions with SELV voltage, does not require active isolation of the components. It is not necessary earth connection on all conductive components of the fixture or light engine.



ESD – STATIC ELECTRICITY INFORMATION

STEP ROW NUMBER contains electronic components which are very sensible to static electricity. In this respect is it highly recommendable to always manipulate the items with appropriate ESD protection, and take adequate measures for safety matters. If you need further information please refer to our webpage www.idled.eu.



MOUNTING AND INSTALLATION

I+D LED S.L. is not responsible for the installation of the product. STEP ROW NUMBER must be perfectly placed (and/or stick) on the lighting device, profile or base for a proper connection between modules and power source, respecting its nominal values. I+D LED S.L. is not responsible for occasional module fall.

If any type of chemical substance is used during the assembly of the luminaire or light engine, it must not have any type of curing by means of gas condensation; as these chemical substances may damage the LEDs and electronic components.

Signage profile is delivered with 2 pre-made countersink and through-holes. Maximum torque for fixing recommended 5 Nm to avoid mechanical stress.



TEMPERATURE

ALTUS LIGHT ENGINES and STEP ROW NUMBER life-time depends to a great extent on operating temperature.

Under no circumstance temperature should exceed the maximum permissible limit here indicated. Exposure to higher temperatures might affect its long term proper functioning. Room temperature must be measured under worst-case conditions to ensure life-time and keep product's guarantee.



OPTICAL CHARACTERISTICS + CCT

Measurement of LED discrete points may have variations in regards on the CCT temperature here described, with a variance of 3SDCM and 2SDCM for white and +/- 5nm for coloured LEDs.