



Hazardous
Lighting Solutions LTD



TNL3 10LED

Evacuation light fixture with
LED modules



RAIL/TUNNEL



PASSAGEWAYS



CERTIFICATE: EN-60658-2-22 CERTIFICATE CNBOP no. 4376/2021

MECHANICAL FEATURES

Housing: Stainless steel

Diffuser: Tempered glass

Ingress protection: IP65

Protection class: I

Mounting: using bracket

Access: using key

ELECTRICAL FEATURES

Source of light: LED modules with ENEC certificate

Voltage: 230V 0/50-60Hz | 230VDC

Cable glands: max 4 x M25 lub 2 x M32

Connection terminals: 7 x 4mm²

Overvoltage protection: 6 kv

Control system: integrated DALI driver

WORK PARAMETERS

Ambient Temperatures: -25°C to + 45°C

Lifetime: 70.000h L80 B10

PHOTOMETRICAL PARAMETERS

CRI: >80

Colour temperature: 2700K (SOS), 4000K (EXIT)

FEATURES



FLASH MODULE -The bottom part of the housing has been equipped with a flash light

TNL310LED fittings meet the parameters for flash devices in the scope of a.o. frequency of pulses, duration of pulses, effective light intensity according to the standards:

- PN-EN 13032-4:2015-09;
- PN-EN 60598-1:2015-04;
- PN-EN-54-23_2010P;
- PN-EN-1838:2013-11E;
- DIN 4844-1 2012.



Evacuation fixtures - EXIT.



Information fixtures - SOS.

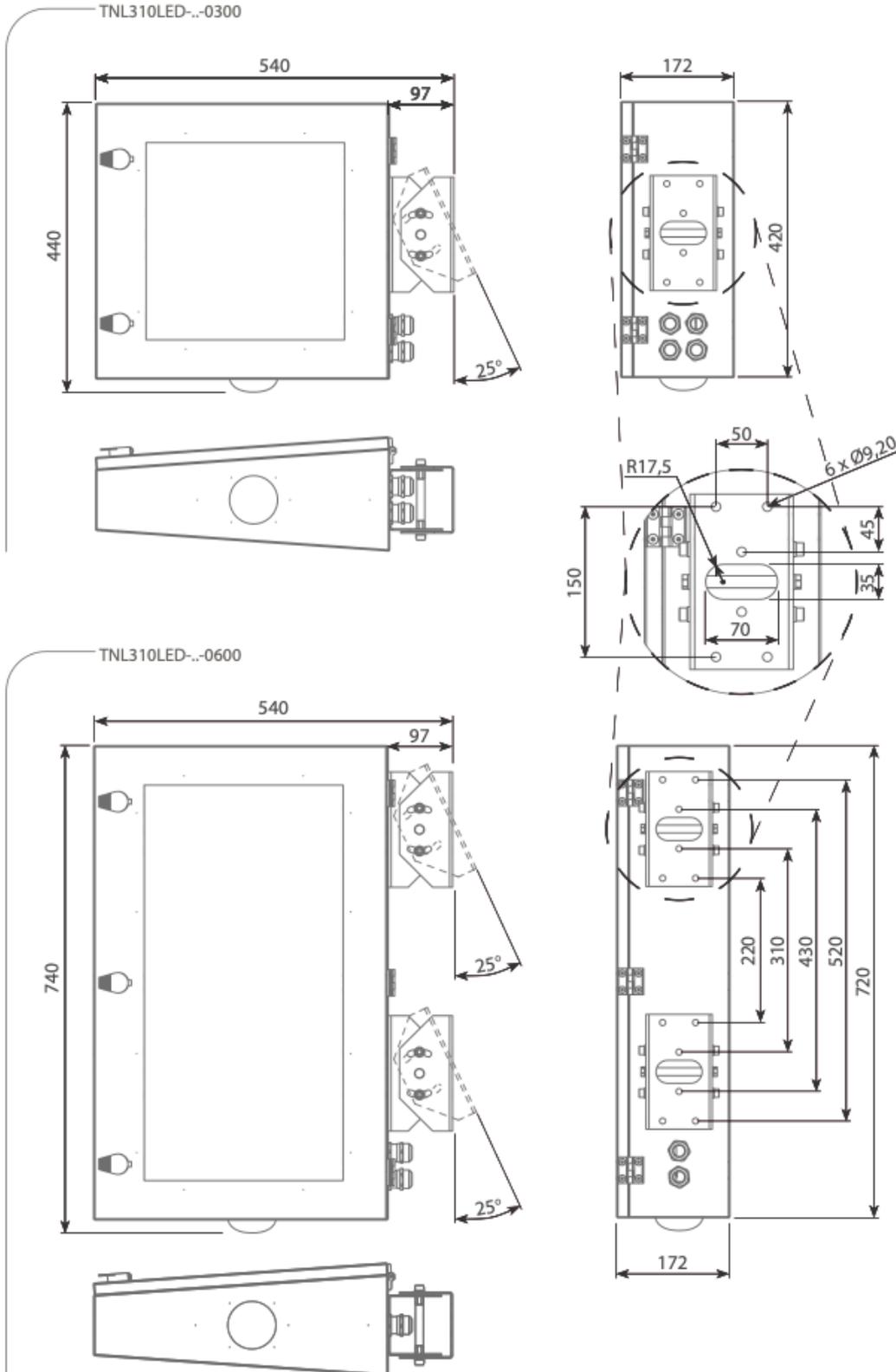
TYPES COMPARISON

TYPE	POWER SUPPLY [W]	PICTOGRAM LUMINANCE [cd/m ²]	AMBIENT TEMPERATURE [°C]
TNL310LED-...-0300	24	>200	-25 ÷ +45
TNL310LED-...-0600	465	>200	-25 ÷ +45
TNL310LED-...-0900	685	>200	-25 ÷ +45

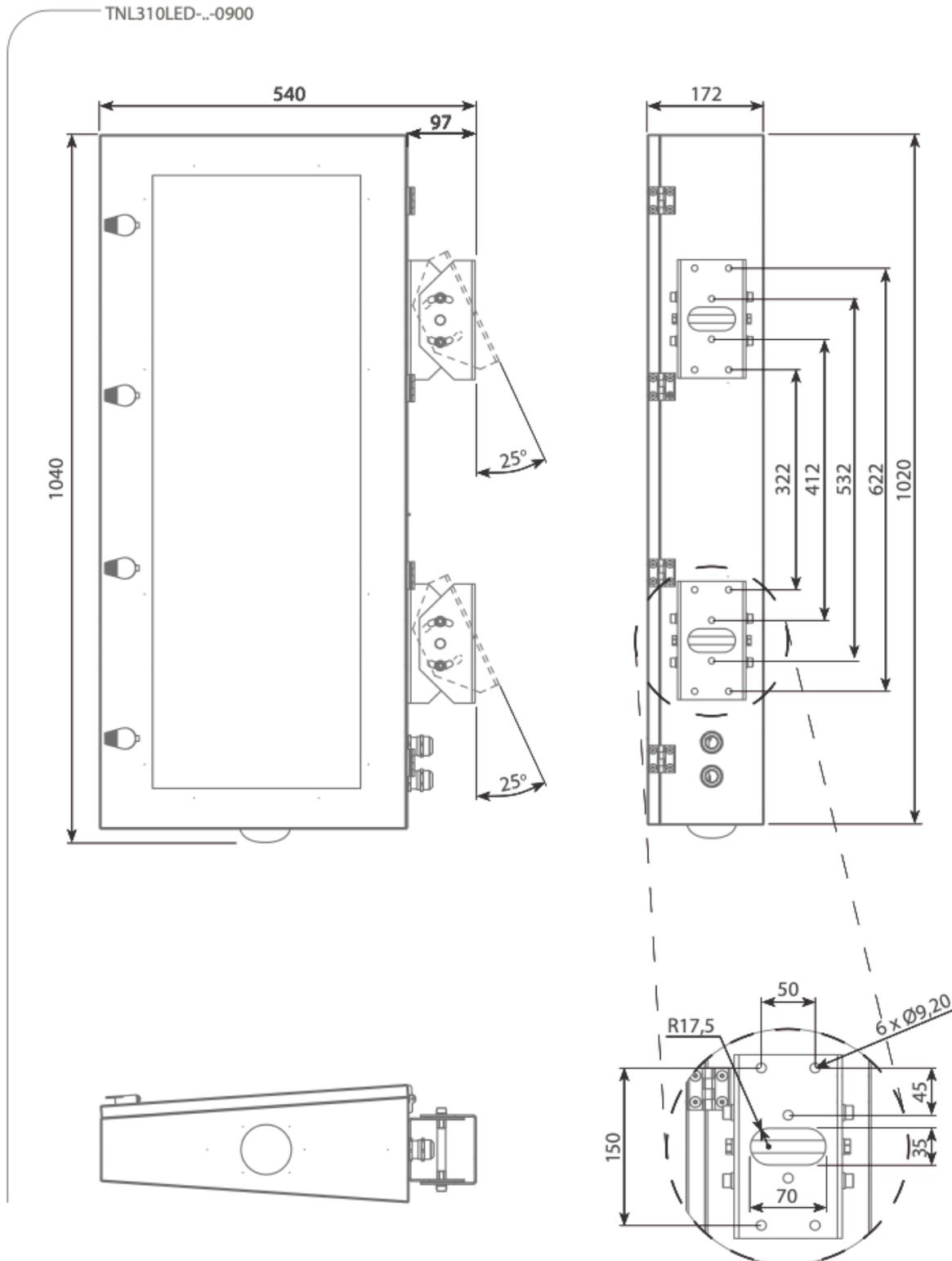
SIGNALLING DEVICES COMPARISON

SIGNALLING DEVICE	BLINKER POWER [W]	FLASH POWER [Ws]	FLASH FREQUENCY [Hz]	COLOR TEMP. [K]	LIFETIME
TNL310LED-...-0300-EXIT	Max. 11	Max. 5	1,0 ÷ 1,15	4000	≥4 × 10 ⁶ blinks
TNL310LED-...-0300-SOS	Max. 11	Max. 5	1,0 ÷ 1,15	2700	≥4 × 10 ⁶ blinks
TNL310LED-...-0600-SOS	Max. 11	Max. 5	1,0 ÷ 1,15	2700	≥4 × 10 ⁶ blinks
TNL310LED-...-0900-SOS	Max. 11	Max. 5	1,0 ÷ 1,15	2700	≥4 × 10 ⁶ blinks

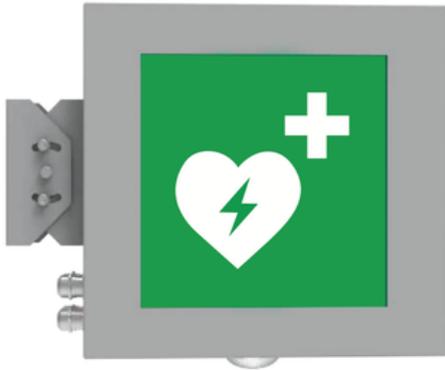
DIMENSIONS



DIMENSIONS



OPTIONAL VERSIONS



Exemplary configuration:
pictogram - AED (defibrillator).

Customised pictograms



Housing made of steel type 304



Housing made of steel type 316



Housing made of steel type 316 TI



SAMPLE PICTOGRAMS

