

### ELT – TNL 05 (40 V AC)



### Background

A tram signal head is a device used to inform drivers of rail vehicles or other vehicles (buses, trolleybuses), as the case may be, using special lanes controlled by a tram signal head. Tram signal heads are mainly used at road and tram traffic crossings, at the points where the roads cross over the tram line or the tram line branches off.

### Technical description

This single-chamber signal head, enables visualisation of the "Stop" or "Clear" commands in up to three directions, in those places controlled by traffic light signals. The signal head permits or denies the driver of the tram set to drive in the given direction. Use of the relevant combination of signals is specified by the transport solution.

The signal head is designed as four separate disks placed on one PCB. Each lighting disk is composed of a high number of LEDs connected in a parallel series. The brightness of the lighting disk is even. The power supply of the LEDs is optimised in terms of their maximum life cycle.

The signal head contains protective elements against disturbances coming from the external environment. The signal head input is chosen to comply with the currently used traffic controllers or, where appropriate, it can be adjusted to meet individual requirements.

**Tram signal heads are designed in compliance with ČSN EN 50121-4, ČSN EN 50293, ČSN EN 61000-3-2 and ČSN EN 61000-3-3. The device is approved by the Ministry of Transport of the Czech Republic for installation on roads.**

## Basic technical data

<b>Name:</b>	Tram signal head
<b>Type:</b>	ELT – TNL 05 (40 V AC)
<b>Source of light:</b>	White LED
<b>Supply voltage:</b>	4 × 40 V / 50 Hz
<b>Total light input:</b>	4 × 6 W
<b>Weight:</b>	3 kg without fixing lugs
<b>Dimensions (W x H x D):</b>	270×360×240 mm
<b>Protection:</b>	IP 54
<b>Operating temperature:</b>	-25°C to +55°C
<b>Brightness of lighting disk:</b>	20,000 cd/m <sup>2</sup>

## Contact

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