

Helios Traffic Signals

Product Datasheet

YUNEX TRAFFIC

Overview

The Helios range of traffic signals is renowned for delivering optimum clarity, physical appearance and reliability. Compatible with 230V (LV), 48V (ELV) and Plus⁺ lamp drive systems, the range features a choice of head options including the Yunex SIRA style enhanced optics and modern Central Light Source (CLS) LEDs.

All Helios LED signals offer the benefit of very low power consumption and carbon footprint and the ELV and Plus⁺ versions also improve safety on-street.

Helios traffic signals are extremely attractive, incorporate modern design features and their modular construction offers a wide choice of assembly options.



Solution benefits

- Low power consumption offering reduced energy costs and lower carbon footprint
- Improved safety on-street
- Robust, vandal-resistant construction
- Superior head mounting arrangement for precise tilting and rotation
- Unique anti-impact feature to prevent damage from glancing impacts
- Fully lamp monitorable from Yunex traffic signal controllers
- Retro-reflective edging

Solution features

- Highly reliable Central Light Source technology for extended life
- 230V (LV), 48V (ELV) and Plus⁺ versions
- Modular design with aspect door opening from either side, single, two, three and four aspect assemblies
- Will accommodate a wide range of louvered hoods
- Backing boards available for all construction options

Technical Specification

Optical Performance	• Certified to EN12368 (Traffic Control Equipment – Signal Heads), performance class 3/2 • Phantom ratio: Class 5 (better than 16:1) • Output intensity: Type M class A (400 cd)
Optic Sizes	• Standard optic: 200mm with SIRA lens • Regulatory sign: 290mm
Modular construction options	• Single, two, three and four aspect assemblies • Flexible options for side boxes and other requirements • Will accommodate a wide range of louvered hoods • Backing boards available for all construction options • Retro-reflective edging • Anti-vandal lens screen
LV Signals	• High intensity tungsten halogen lamps • 230V (LV) Central Light Source • LED array with automatic LED failure detection, signal dimming: 185V, integrated lamp monitoring compatible with Yunex LED controllers and LED retrofit solutions • Twin fluorescent tube regulatory signs • 230V long-life LED regulatory signs
ELV Signals	• 48V (ELV) Central Light Source • LED array with automatic LED failure detection, signal dimming: 27.5V, integrated lamp monitoring compatible with Yunex ST750ELV, ST900ELV and ST950ELV • 48V long-life LED regulatory signs
Plus⁺ Signals	• ELV supply compatible with Plus⁺ • Signal dimming controlled electronically from Plus⁺ controller • Fully integrated lamp monitoring
Power consumption	• Helios CLS LV (for LV LED and retrofit controllers): Bright 15W, Dim 5W • LV LED regulatory sign: 10W • Helios CLS ELV: Bright 12W, Dim 4W • ELV LED regulatory sign: 8W • Helios Plus⁺: Bright 8W, Dim 4W • Plus⁺ regulatory sign: 8W

Elexon Code

Description	Part Number	Charge Code	Nominal Watts
Helios CLS (LV) traffic signal head (3 aspect)	667/1/31500/9xx	79 41 012 002 100	12
Helios CLS (LV) traffic signal head (2 aspect)	667/1/31500/9xx	79 43 012 002 100	12
Helios CLS (LV) traffic signal head (1 aspect)	667/1/31500/9xx	79 59 012 002 100	12
Helios ELV CLS traffic signal head (3 Aspect)	667/1/33500/ETC	79 41 012 000 100	12
Helios ELV CLS traffic signal head (2 Aspect)	667/1/33500/ETC	79 43 012 000 100	12
Helios ELV CLS traffic signal head (1 Aspect)	667/1/33500/ETC	79 59 012 000 100	12
ELV LED REG SIGN	667/1/33510/000	40 0008 0020 100	8
LV LED REG SIGN	667/1/33510/230	40 0010 0012 100	10
Plus⁺ REG Sign (including LLCS)	667/1/53514/ETC	79 17 005 000 100	5
Plus⁺ 3 LED lamp vehicle aspect with RAG Node (including LLCS)	667/1/53500/ETC 6671/53111/ETC	79 40 010 001 100	10
Plus⁺ 2 LED lamp far side pedestrian aspect with RAG Node	667/1/53500/ETC 6671/53111/ETC	79 42 009 001 100	9
Plus⁺ 1 LED lamp vehicle filter aspect	667/1/53500/ETC	79 44 006 000 100	6

For complete information on Elexon codes please refer to Yunex Traffic document 667/RE/29050/000

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