

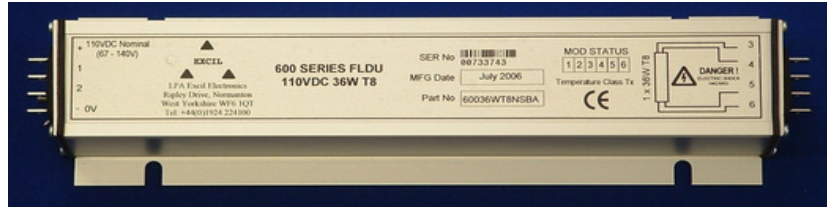
LED Tube - Inverter Bypass Unit 1090 Series



Product Overview

Allows the use of an LED tube replacement without wiring configuration changes.

Replaces fluorescent Inverter units to distribute the vehicle power to the LED tube power terminals.



Product Codes

Part Number	Enclosure Description
10901004	Aluminium — Standard UIC555
10901008	EN50311 Annex D Horizontal Faston Blades
10901013	Slimline Annex D Horizontal Faston Blades

Input Specification

	All Variants
Input Supply Voltage Range	0-264 V AC/DC
Efficiency	100%

Environmental Specifications

	10901004— UIC555	10901008— Annex D	10901013— Slimline
Unit Weight (g)	210	170	144
Dry Heat (Steady State) - RIA13 1990	6hrs @ 85°C		
Shock and Vibration	EN50155 & EN61373		
Operating Temperature (°C)	-30 to +85		
Sealing Rating (Ingress Protection)	IP65	IP20	IP20



LPA Group Ripley Drive Normanton
Wakefield WF6 1QT

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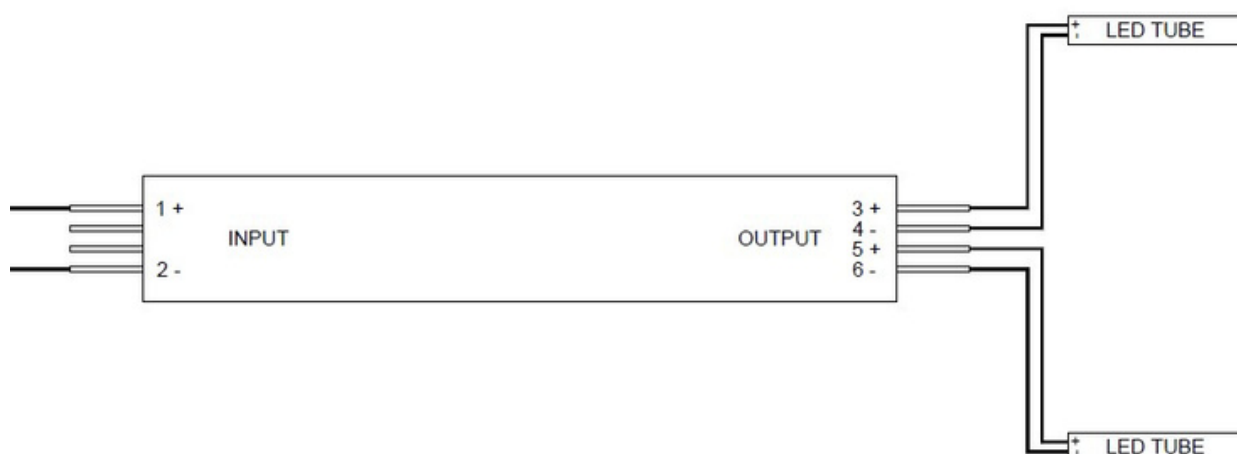
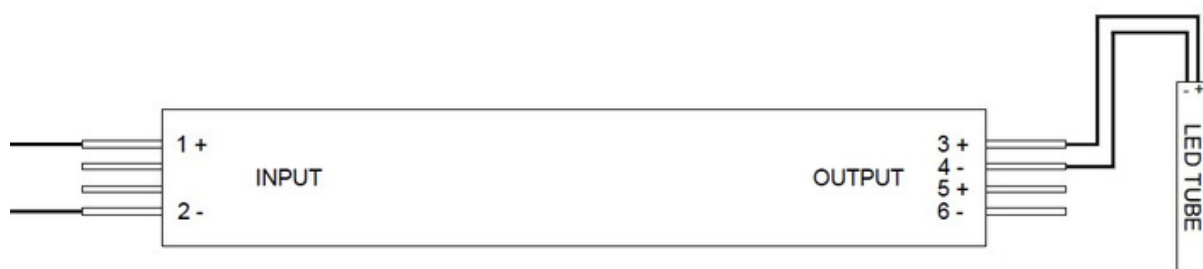
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Installation Guide

Electrical Configuration

All Variants			
Part No.		Input Connections	Output Connections
10901004	Single Lamp	+VE — Pin 1, -VE — Pin 2	+VE — Pin 3&5, -VE — Pin 4&6
	Twin Lamp	+VE — Pin 1, -VE — Pin 2	Tube 1: +VE — Pin 3, -VE — Pin 4 Tube 2: +VE — Pin 5, -VE — Pin 6
1090100 8 1090101	Single Lamp	+VE — Pin 1, -VE — Pin 2, PE — Pin 3	+VE — Pin 4&6, -VE — Pin 5&7
	Twin Lamp	+VE — Pin 1, -VE — Pin 2, PE — Pin 3	Tube 1: +VE — Pin 4, -VE — Pin 5 Tube 2: +VE — Pin 6, -VE — Pin 7

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10901004 (UIC555)



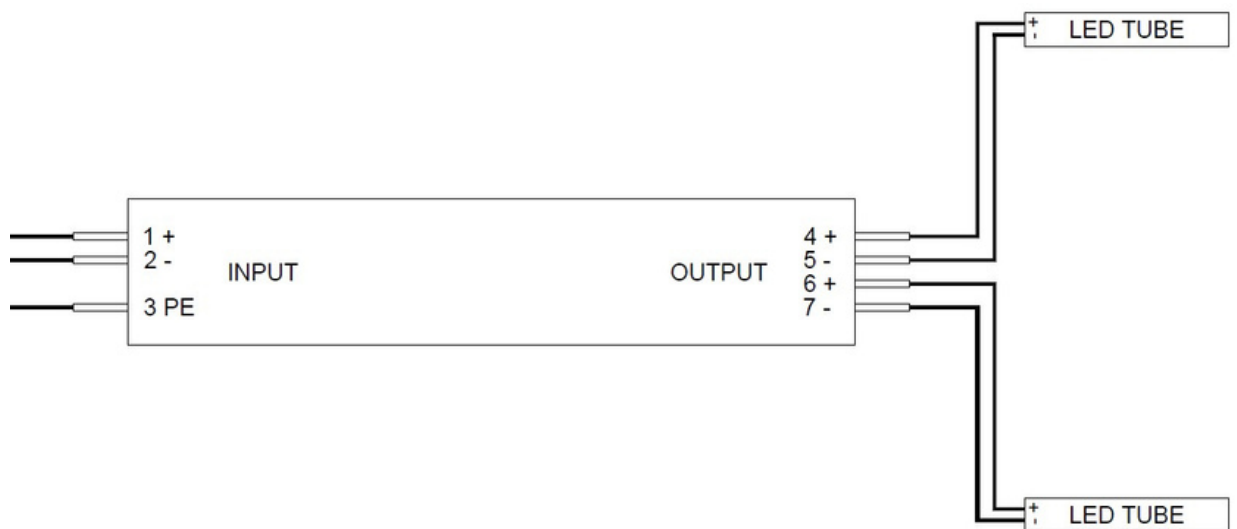
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Installation Guide

10901008 (Annex D Faston Blades) & 10901013 (Slimline Annex D Faston Blades)



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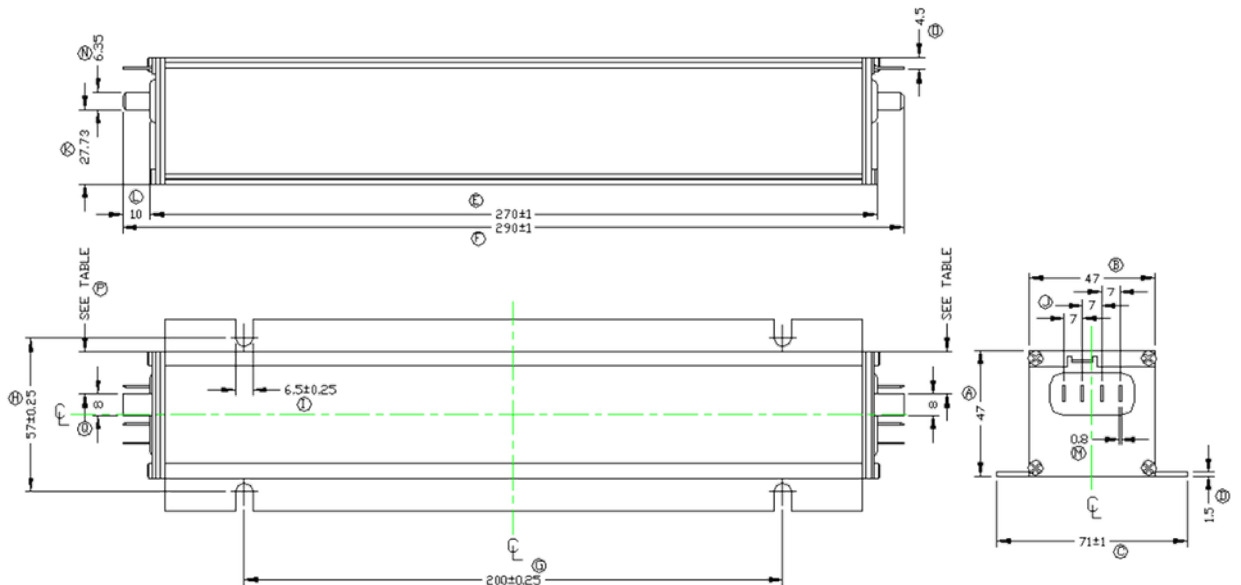
Mechanical Specification

10901004

Aluminium Enclosure, UIC 555 Space Envelope

6.35mm Faston connectors

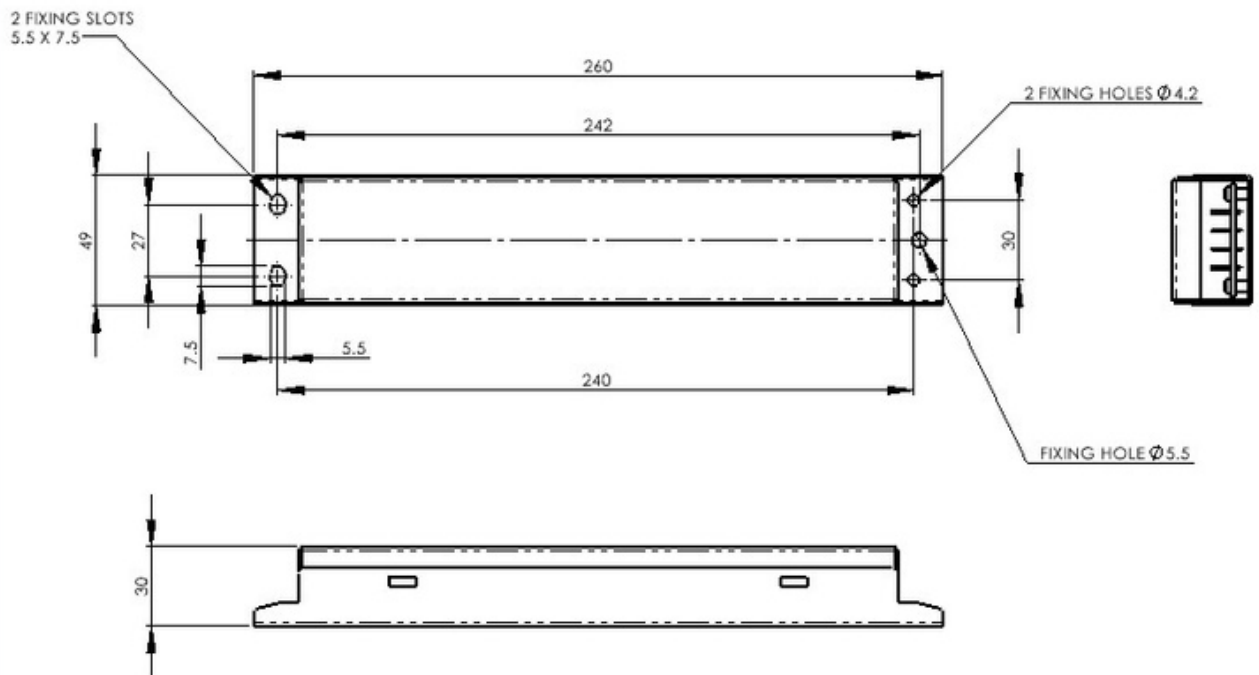
Polarising keys available by special request. Contact us for more details.



10901008

Low-Profile Aluminium EN50311 Annex D Space Envelope

16mm Horizontal Faston connectors



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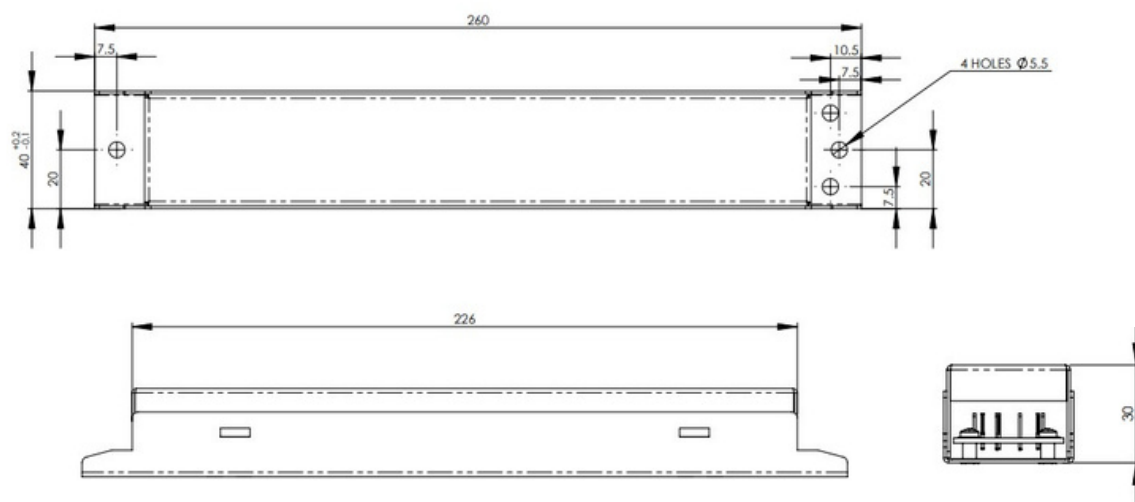
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Mechanical Specification

10901013

Slimline Aluminium Housing

16mm Horizontal Faston connectors



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