

LDLS

Self-Ballasted Linear Detachable Light System

User's Manual

By Tzuba Vision Eco Light Systems Ltd



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INTRODUCTION

LDLS – Self- ballasted linear detachable light system

Appreciated customer,

Congratulations for buying the newest LDLS system

The LDLS is the most powerful and versatile light module ever made!

It reaches an outstanding Whole Efficacy **higher than 145 lumens/watt**.

Our goal was to create a product that reaches the highest light quality, efficacy, and modularity demands together with the easiest installation and maintenance requirements.

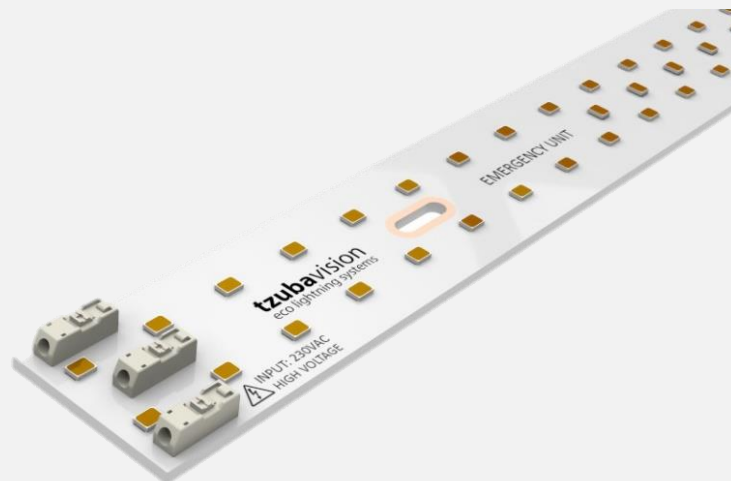
This guide provides a step-by-step instructions for setting up and interconnecting LDLS modules in most of the environments.

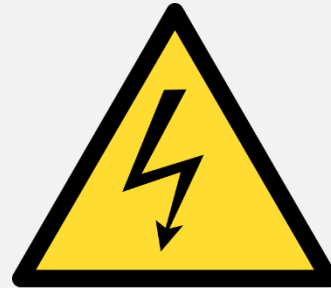
Please read it carefully and follow the safety and handling instructions

This is the first edition of this manual, we apologize in advance for any mistake on it, any comments or suggestions are welcome.

Uriel Vulej

CEO





Safety Warnings

!!Danger!!

- Caution! risk of electric shock
- LED lamp only indoor use
- Non user replaceable light source
- The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person
- Do not touch the light source when connected to the mains
- When attached to a metal profile or housing, module must be grounded accordingly

Eye Safety

- High LUMEN output
- When visible, the LDLS Modules must be placed behind appropriate diffuser

Bridging Connection

- Recommended interconnectivity: up to 10 meters

International Safety Standards

LDLS Compels with the following safety standards:

IEC 62031:2008, IEC 61347-1, IEC 60598-1, IEC 60838-2-2

Read First

Before installation

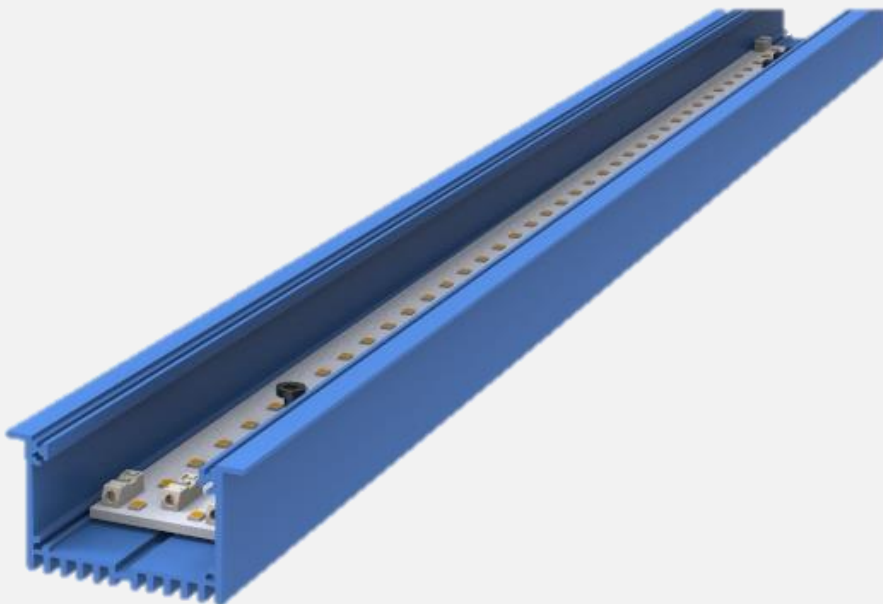
- Check for appropriate electricity infrastructure
- Check for appropriate grounding
- Disconnect the mains to avoid electrical hazard

Unpacking

- Avoid touching LED

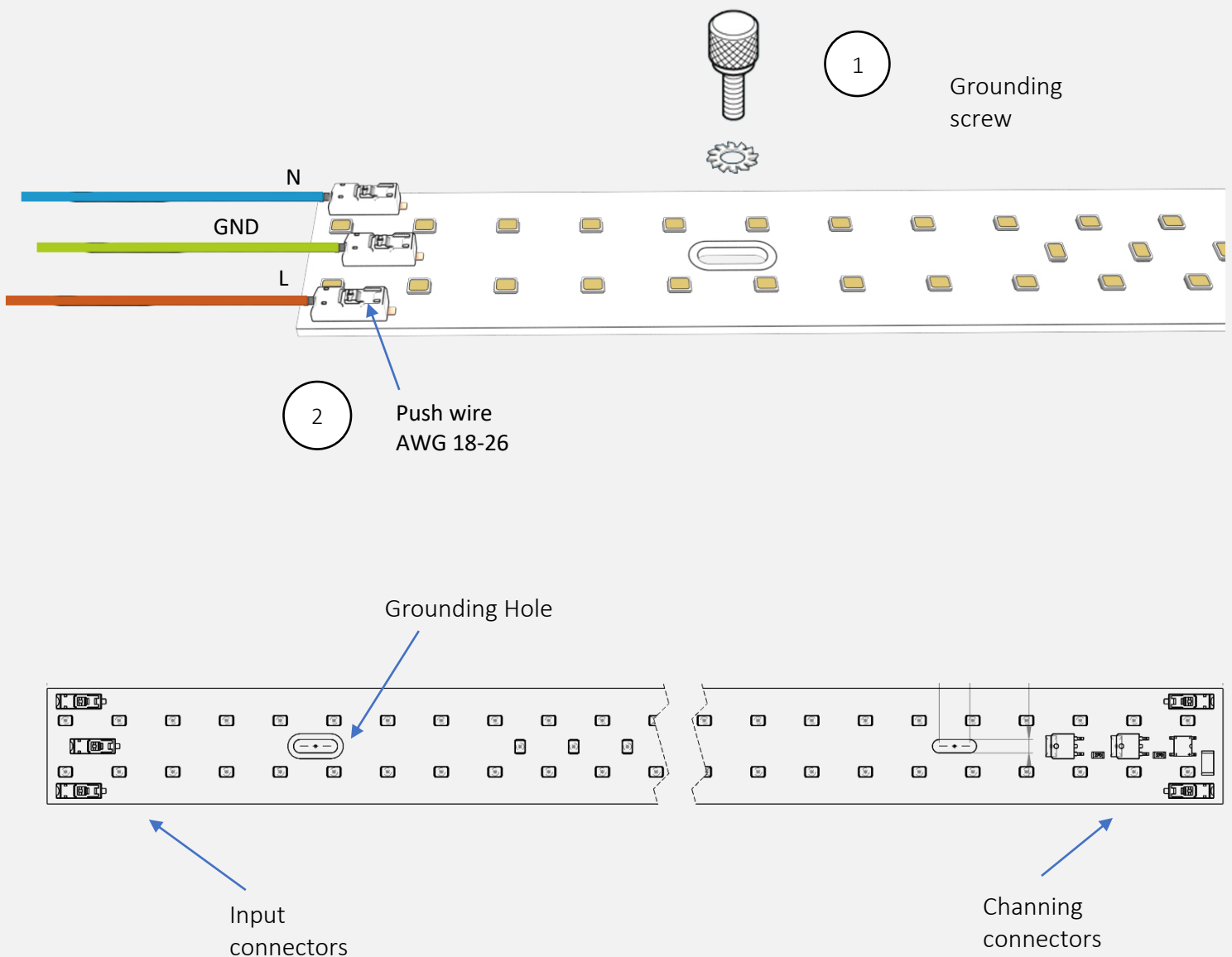
Installation

- Only qualified electricians must handle this light source.
- Failure to comply with these instructions may result in damage to the device, fire or other hazards.



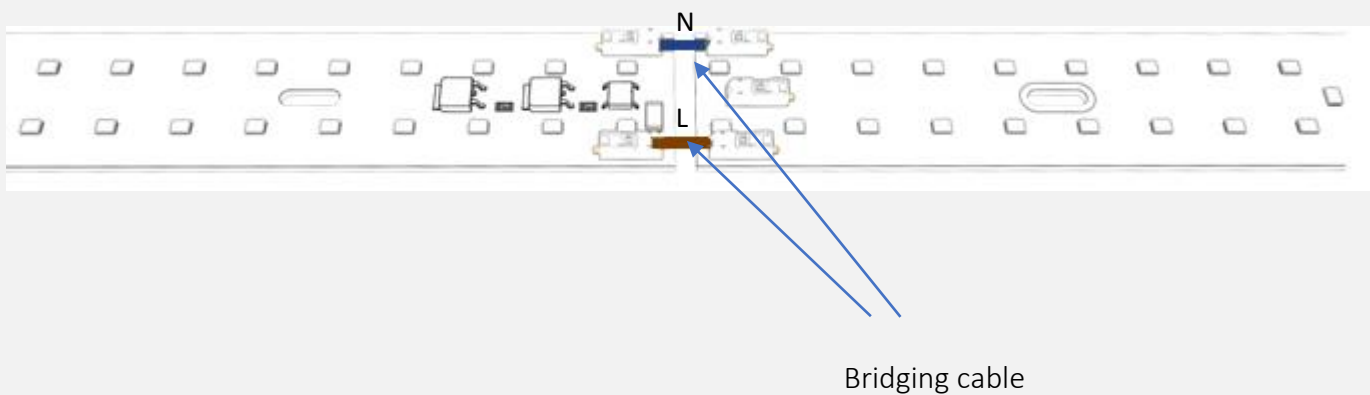
Connecting the Modules

1. While attaching LDLS to metal, add "teeth washer" at the grounding hole and screw (fig. 1)
2. Connect the mains to the input connectors. Cable diameter AWG 18-26, up to 1mm (fig2)
3. Chaining: follow instructions as per Figure 3

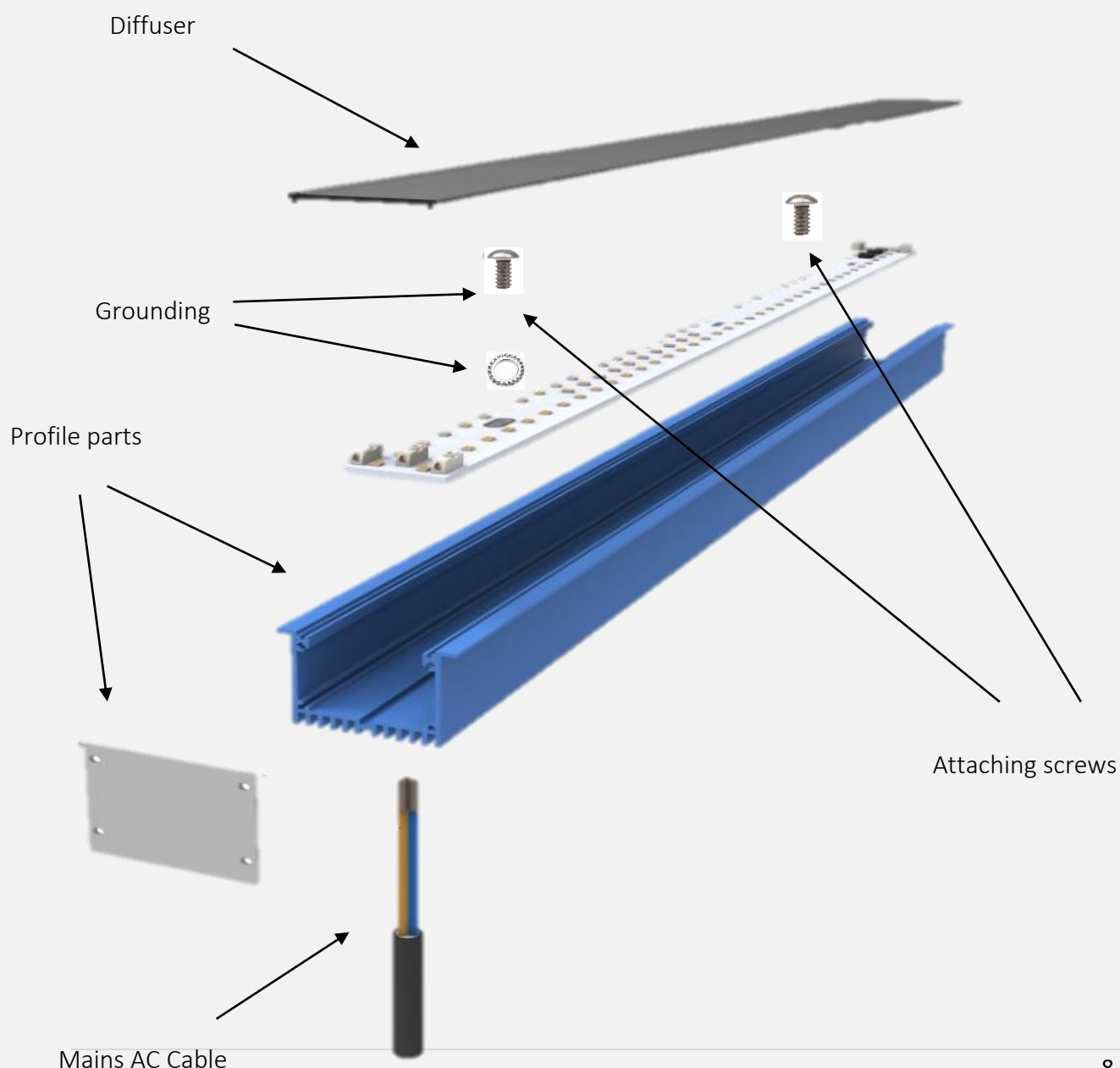


Bridging the Modules

Bridge between the modules as per the following drawing



Parts definition



Specifications

Size Model (mm)	Luminous Flux (lm)	Overall Efficacy (lm/W)	Power (W)	Forward Current (mA)	CRI	Volt (V)	P/F	Bridging Length (meters)	Operating Temp.	Led Type	Protections
LDLS1120	4850	142	36	180	82+	230	0.92	10	0 to 45°C	Lumiled 2835	1. Fuse 0.5 A
LDLS 560	2420	142	18	90							
LDLS 280	1205	138	9.0	45							2. TZUVIS IC Thermal Current Limitation for LED life & performance
LDLS 140	601	129	4.5	25							