

# LINEAR™ PRO OPERATING INSTRUCTION MANUAL

## WARNING

**This product is being installed into mains electricity which is inherently dangerous. Failure to follow the instructions in this manual or negligence will void the product warranty and can cause injury or even death.**

Before using this product, you must:

- Read and understand all instructions for use.
- Use a qualified electrical contractor if legally required and if you do not fully understand how to safely install this product.
- Become acquainted with its capabilities and limitations.
- Understand and accept the risks involved.

## INTRODUCTION

Thank you for choosing Visionary International as your lighting provider. This operating manual provides information on how the product functions and how to safely operate and install the product.

## INSTALLING THE PRODUCT (EXISTING INSTALLATION)

**Any electrical work must conform with the Electricity Act 1992 including section 79, NZECP 50: 2004, Electricity Act 1992 Section 80 and NZECP 51: 2004.**

1. Disable power to the circuit that you are working on. We highly recommend switching electricity off at the main switchboard of the premises for added safety.
2. (If applicable) Remove the previous fitting from the ceiling being careful not to damage the ceiling material. Ensure that there is no remaining driver/transformer connected to the specific lighting mains cable.
3. There are three primary types of the brackets used on Linear Diffused. These are Suspension, surface mount and recessed. Fix the supplied bracket using the specific instructions that are supplied with the specific bracket type. Please ensure that these instructions are followed carefully to ensure the product does not become dislodged from the ceiling.

**Note: failure to follow the instructions on supplied with the product mounting kit may result in the product falling from the ceiling and there being a risk of injury or electrical shock.**

4. Using the supplied 3-core cable, connect this to mains electricity, ensuring that the supplied earth core has earth continuity.

Note: for DALI, VT-Link and 0-10V wiring configurations, please see associated wiring diagrams supplied.

## USAGE AREAS

This product is suitable for use in residential and commercial environments that are dry. The product is not suitable for use in high alkaline, high acidic or high chemical usage areas or areas where they are subject to impact, high humidity or subject to ingress. This product is not suitable for use in a parallel connection with unsuppressed inductive loads or where there are known power quality issues. Doing so will void the product warranty.

## NEW INSTALLATIONS

The product must be installed by a fully licensed electrical contractor. Under New Zealand law, a home owner or business that is not qualified to install electrical products cannot install Visionary products that require new wiring. Visionary Technologies can assist you in finding a suitable electrical contractor who is properly trained and experienced in installing Visionary products. Contact us for more information.

## DISCLAIMER

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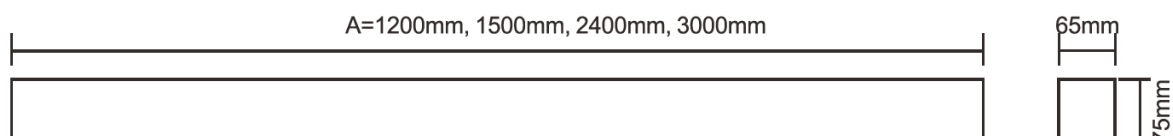
## PRODUCT CONTENTS

### BOX CONTENTS

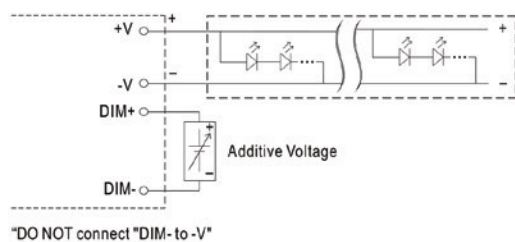
- 1x LED linear luminaire
- 1x Mounting kit (chosen during purchase)
- 1x Flicker-free LED Driver (pre-wired)

Please note that continuous models have pre-installed wiring and mounting systems supplied to assist in these applications.

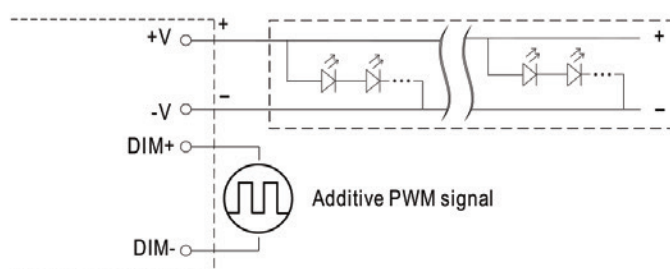
### DIMENSIONS



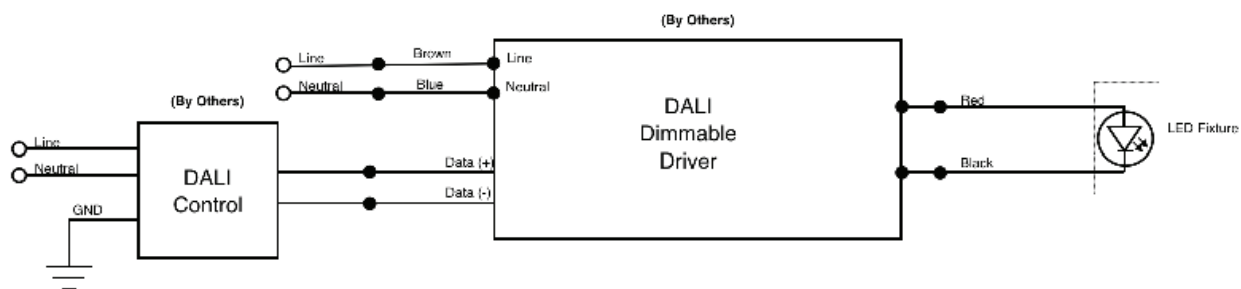
### 0-10V & PWM WIRING CONFIGURATION



© Applying additive 10V PWM signal (frequency range 100Hz ~ 3KHz):



### DALI WIRING CONFIGURATION



# LINEAR™ PRO

## VISLP3 FAMILY TECHNICAL DATASHEET

LEVEL 3

PRO

### KEY FEATURES

- Premium grade aluminium and refined construction methodologies enable an elegant product finish with no light leakage or gaps in extrusion bodies.
- Extremely low glare using a squama and helical optical design - enabling never-before-seen optical comfort.
- 5-year commercial warranty protecting your investment. Includes lamp and in-built driver.
- Flicker-free by design and includes Visionary's leading parts & labour service for superior product support for your investment.
- New innovative installation methodology makes installing Linear Pro faster and easier to use than ever before.



### DESCRIPTION

Carrying the most advanced optics in the industry, Linear Pro enables beautiful roomspace lighting with extremely low glare for superior comfort and lighting quality. Linear Pro provides options for symmetrical and asymmetrical beams for open spaces or where shelves or racking is used

### MODELS

Example product SKU breakdown:

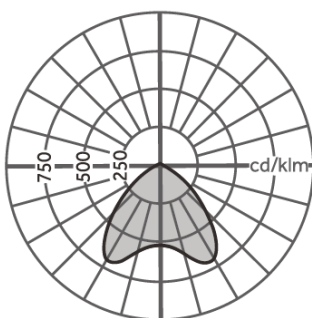
**VISLP3 - 1200 - 50W - B + 3K - IDI**

Model	Length	Power	Colour	CCT	Type
VISLP3	<b>1200</b> 1200mm Length <b>1500</b> 1500mm Length <b>2400</b> 2400mm Length <b>3000</b> 3000mm Length	<b>25W OR 38W</b> 1200mm Model <b>32W OR 48W</b> 1500mm Model <b>50W OR 76W</b> 2400mm Model <b>64W OR 96W</b> 3000mm Model	<b>B</b> Matt Black RAL9005 <b>W</b> Matt White RAL9016	<b>3K</b> 3000K Pure <b>4K</b> 4000K Pure	<b>IDI</b> Individual Direct <b>CODI</b> Continuous Direct <b>IIN</b> Individual Indirect <b>COIN</b> Continuous Indirect

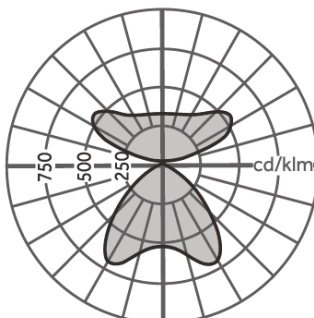
## PRODUCT SPECIFICATIONS

Model	Details	Notes
Rated Power - Direct (Watts)	25W@1200mm, 32W@1500mm 50W@2400mm, 64W@3000mm	Full rated Power. Full Load @230VAC. - Included Control Gear
Rated Power - Indirect (Watts)	38W@1200mm, 48W@1500mm 76W@2400mm, 96W@3000mm	Full rated Power. Full Load @230VAC. - Included Control Gear
System Efficacy	Up to 125lm/W	Condition:25W, 80 Degree Lens, 4000K, 90 CRI - Ta 25C, Includes optics, driver & lamp losses.
Total Lumen Flux (Lm)	3200lm @1200mm, 4000lm@1500mm 6400lm @2400mm, 8000lm@3000mm	Condition:80 Degree Lens, 4000K,90 CRI - Ta 25C, Includes optics & lamp losses.
Optic Options	70° Symmetrical Downward Optic 65° Asymmetrical Downward Optic 140° Upward Illumination Optic Option	
Unified Glare Rating (UGR)	<13 UGR (70°)	Darklight Optical Technology
IP & IK Ratings	IP20 + IK05	
Correlated Colour Temperature (CCT)	3000K - Warm White 4000K - Pure White	
CCT Binning	3-Step McAdam Eclipse (3-SDCM)	
CRI Indexing	90+ Standard	
LED Lifespan (TM-21-10K)	60,000hrs+	Tc=85°C (L90/B10)
Driver Type	Class 2 - Tier 1 (Premium)	
Expected Life	Up to 100K Hours	Ta=40°C Tc=70°C
Cold Start Inrush	NA	Condition: 230VAC Per NEMA 40
Surge Immunity	2KV (L-N to E)   1KV (L-N) - Standard Model	EN61547
Power Factor	0.95 Typical	
Total Harmonic Distortion (THD)	~<8%	Condition: 230VAC 50Hz
DALI	Yes (Option)	
VT-Link	Yes (Option)	
0-10V Dimming	Yes (Option)	
Casambi	Yes (Option)	
Cable Inputs	2m 3-Core Transparent Sheath Cable	Pre-Installed
Warranty	Lamp: 5-Years Driver: 5-Years	Subject to Visionary Commercial Warranty Policy - View on our website (Tc = 70° C)
Operating Temperature	-20 - +50° C	Maximum Limits -40~+80° C
Parts & Labour	Yes - 5-Years	Subject to Visionary Commercial Service Policy - View on our website
Dimensions (mm)	25W Model: 1200W x 75H x 65W 31W Model: 1500W x 75H x 65W 50W Model: 2400W x 75H x 65W 62W Model: 2400W x 75H x 65W	W= Width, H= Front to driver rear, H= Total height

## Polar Candela Data



**70° Direct Optic**



**70° Direct Optic +  
140° Indirect Optic**

## Mounting Options



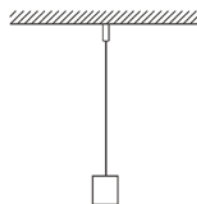
**Recessed**

**Recessed Mount  
Option**



**Surface-mounted**

**Surface Mount  
Option**



**Suspended Mount  
Option**

## BOX CONTENTS

1x LED Linear luminaire, 1x 2m 3-core cable, 1x Set of installation mounts (chosen during purchase)

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