

# eLighting

## LED LINEAR HIGHBAY

Performance-oriented aesthetic and engineered with purpose. The Linear highbay delivers class leading versatility with effortless efficiency. Distinctive in its nature, the Titan operates interchangeably between Highbay, Flood light with IP65 rugged durability.

The formidable Linear Highbay embodies South African ingenuity in delivering up to 145lm/w (system efficiency) in a selection of narrow to wide optical beam spreads with precision and unrivalled light uniformity.



**MADE IN SOUTH AFRICA** **5 YEAR WARRANTY** **CE**

### FEATURES

140 -165LM/W\*

IP65 IK08

4KV built in Surge protection

Corrosion Resistant

30° 60° 90° 120° Beam Angles

Replaces HPS & HID

50 000hrs

Energy Efficient

Low Maintenance

Made in South Africa

### Construction & Installation

Designed for easy installation and to serve as a long term high light output energy saving flood light. The Linear Highbay is constructed primarily from combination of aluminium heatsinks as well as high impact polycarbonate diffusers. Its durable and rugged design makes it the perfect area lighting solution for a wide array of South African Coastal or Inland applications. The Titan is unmistakably easy to install with a Multi-angle secure lock steel stirrup.

### Electrical Specifications

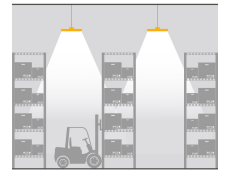
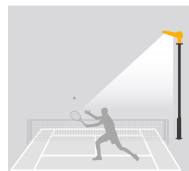
Custom built to effectively operate in South African conditions on 230V line voltage with a tolerance from 100 ~ 305V AC. 100W, 150W and 200W options are available. Powered by the reassuringly resilient brand of Meanwell electronic drivers. The flood light and control set offering unmatched reliability with reduced harmonic distortion, no visible flicker or emi interference. Built in 4KV Surge Protection. 10Kv surge protection is also available

### Applications

Suitable for general area lighting, Sports fields, Car parks, Warehouses & highbay applications.



**Salt Spray Test**  
1000hours



Rated Power

Electrical Classification

Ingress Protection

Operating T°

Operating Humidity

Storage T°

50W - 200W

Class II

IP65

-25 ~ +45°C

0~95%

-25 ~ +65°C

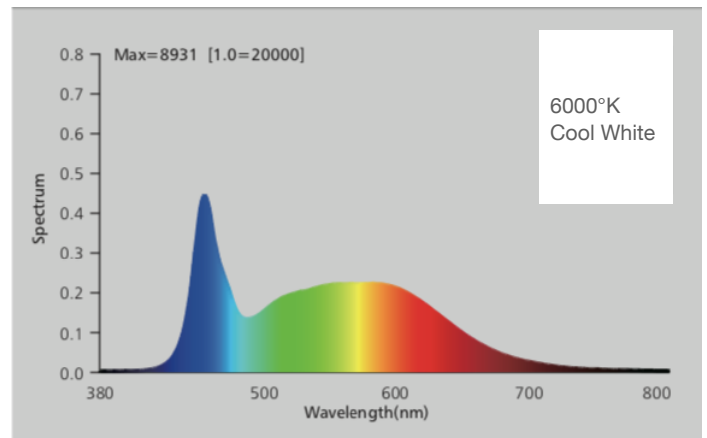
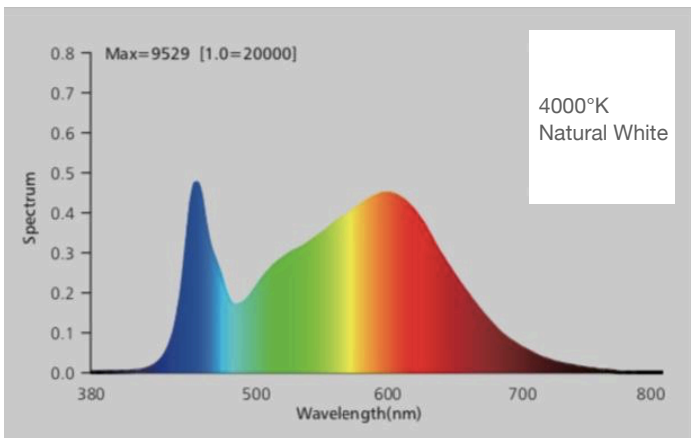
# Photometric Specifications

## Models

Model	Power	Luminous Flux	Colour	Beam Angle	CRI	LED
LB50	50W	7000lm	4000K & 6000K	30° 60° 90° 120°	70 / 80	3030 SMD
T100FL	100W	14000lm	4000K & 6000K	30° 60° 90° 120°	70 / 80	3030 SMD
T150FL	150W	21000lm	4000K & 6000K	30° 60° 90° 120°	70 / 80	3030 SMD
T200FL	200W	28000lm	4000K & 6000K	30° 60° 90° 120°	70 / 80	3030 SMD

\*Total Luminous flux may slightly vary >5% on correlated colour temperature and light distribution beam angle. IES files are available on specific models  
 \*LEDs are available in standard 70Ra & 80Ra

## Spectral Data



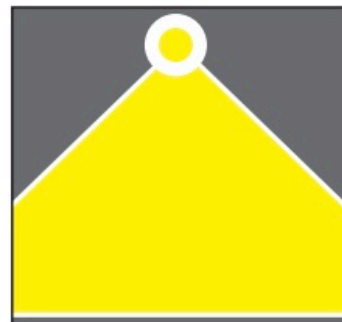
## Light Distribution options



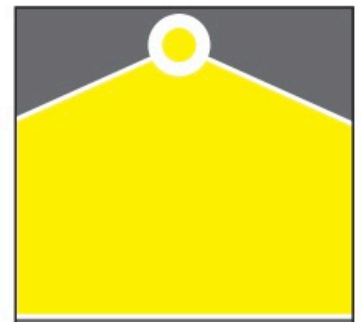
30°



60°

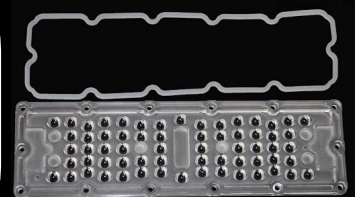


90°



120°

Asymmetrical and Symmetrical RoHS compliant optical distribution lenses in various beam angles are available to suit the exact requirements of each specific application. The polycarbonate lens is able to withstand 20 Joules of impact with an IK10 Impact protection rating. Efficiency of distribution ranges from 94-96% with an average peak intensity of 0.5cd/lm on white Bridgelux 3030 SMD LED



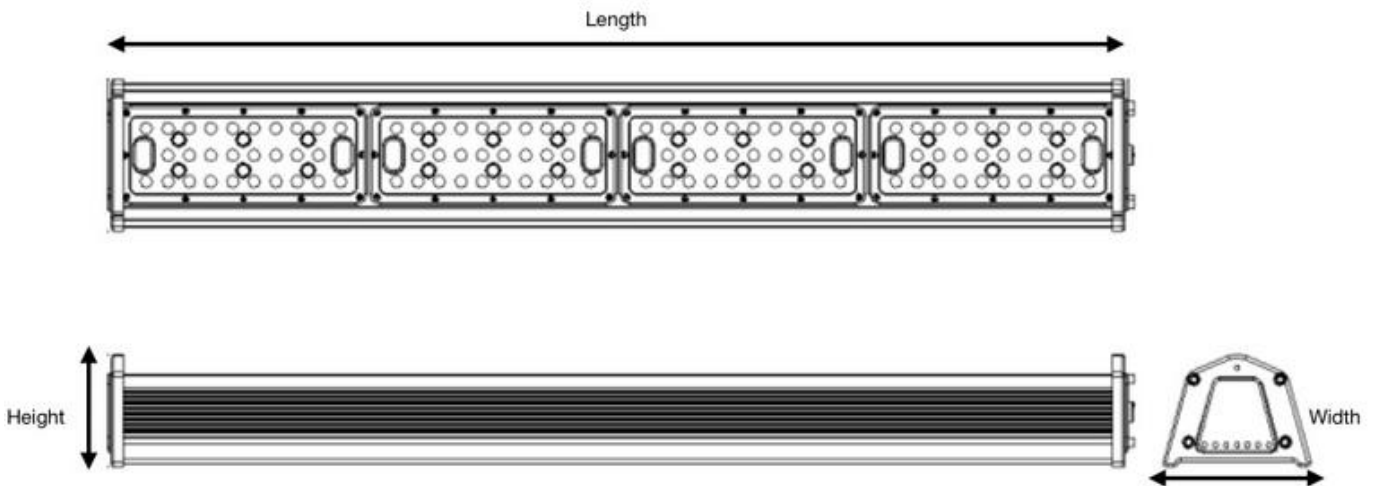
## Electro-Mechanical Data

Model	Power	Input Voltage	Line Frequency	Power Factor	IP Rating	IK Rating	Surge Protection
T100FL	100W	100 - 305V AC	50Hz	0.95	65	8	4KV built in
T150FL	150W	100 - 305V AC	50Hz	0.95	65	8	4KV built in
T200FL	200W	100 - 305V AC	50Hz	0.95	65	8	4KV built in

Protection: Over current - Constant current limiting, recovers automatically after fault condition is removed. Short circuit - Hiccup mode, recovers automatically after fault condition is removed. Over Voltage - Shut down and latch off o/p voltage, re-power on to recover. Meanwell HLG Driver.  
Vibration: 10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes

SAFETY STANDARDS UL1012, CAN/CSA-C22.2 No. 107.1-01, UL8750(type"HL"), CSA C22.2 No. 250.0-08; EN/AS/NZS 61347-1,EN/AS/NZS 61347-2-13 independent (except for HLG-240H C type);UL60950-1(except for AB type),UL8750,TUV EN60950-1;GB19510.1GB19510.14; IP65 or IP67;J61347-1,J61347-2-13(except for B,AB and D-type),BIS IS15885( for 48V only),EAC TP TC 004,KC61347-1,KC61347-2-13(except for AB,C,D-type) approved Meanwell HLG Driver range

## Size Dimensions



Model	Power	Length	Height	Width	Weight
LHB50	50W	300mm	80mm	150mm	2.5Kg
LHB100	100W	600mm	80mm	150mm	4.2Kg
LHB150	150W	900mm	80mm	150mm	6.1Kg
LHB200	200W	1200mm	80mm	150mm	7.9Kg

## Accessories

### IP67 In-line Connector



Connect easily to the incoming power feed with optional 1.5mm and 2.5mm Ip67 inline connectors

### Surge Protection



10KA