



# LED Liner High Bay (T31B)



**The T31B** is a modern and energy efficient fixture designed for high rack warehouses and storage areas with narrow aisles. Several beam angle choices allow you to find a fitting solution for any situation. With a narrow beam angle like 30° or 30°x70°. You can install the fixture in up to 35-40m height, while a wider 40°x130° lens would give you an optimal light distribution for long and narrow aisles.

With a power range from 100W up to 600W and an efficiency of around 130lm/w, this fixture can maximize your governmental rebates and minimize your customer's power consumption. The robust and durable aluminum housing assures excellent heat distribution. Thanks to an ingress rating of IP65 it is suitable for indoor and outdoor use under all conditions. Suspended or surface mounted it will provide a perfectly homogenous light distribution and therefore more safety in warehouse.

## Application:

✓ Widely used in Warehouse, Manufacturing Plant, Mall, Department Store and etc.

## Product Descriptions:

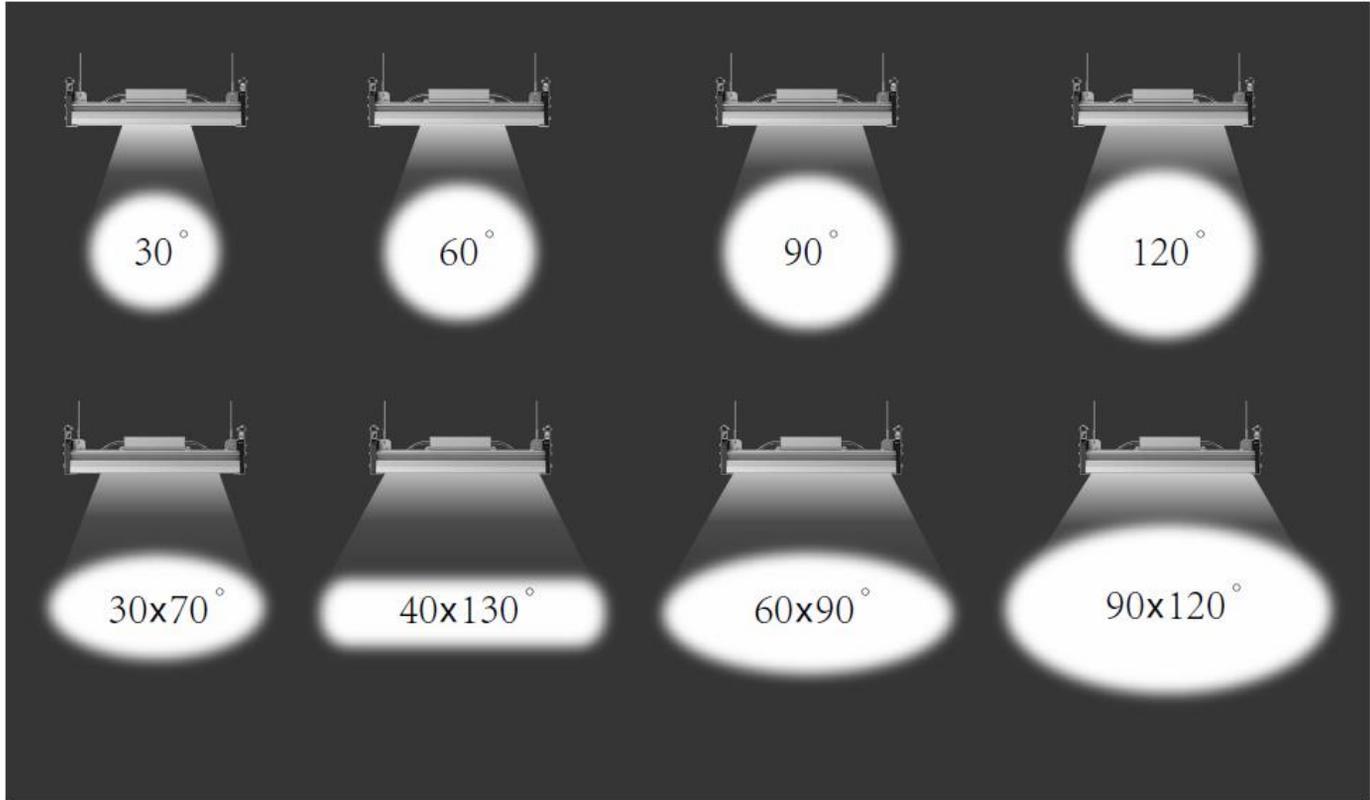
- High Strength aluminum alloy material, electrophoresis and powder coating with strong anti-corrosion treatment surface finishing.
- Integrated housing design with heat sink to allow for excellent heat Dissipation.
- Power range available from 100W to 600W.
- Installation heights up to 30 meters.
- Multiple beam angle for different applications with Low Glare optical PC Len cover for the best performance in the lighting distribution.
- High Efficacy at >130 LM/W with Original Lumileds Chips, certified LM80 & TM-21 is available.
- Ingress Protection: IP65 Weatherproof suitable for Indoor and outdoor use.
- Quick and easy to install and with optional motion and daylight sensor.

*Remark: Detail and specification are current at the time of publication but may be changed without prior notice*

# Beam Angles

The illustration below shows the different light distributions for our beam angle options. The symmetric beam angles are ideal for wide and open areas such as production halls or storage areas with lower racks. The light gets distributed very evenly across a circular area below the fixture.

For warehouses with high racks the asymmetric beam angles are the better choice. The emitted light is precisely spread out along the aisles without wasting it on top of the racks. With currently 8 different beam angle option a fitting solution for every area of application can be easily found.

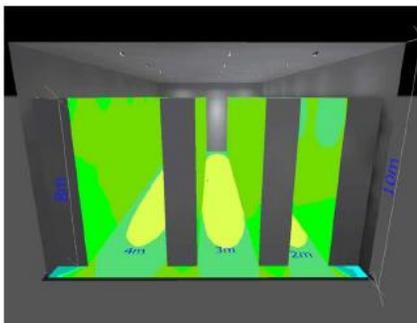


## Simulation Reference

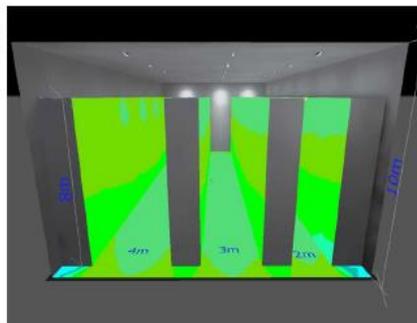
To better show you how the beam angles choice can influence the light distribution, we made a Dialux simulation to demonstrate the differences. Below you find 3 similar scenarios of a warehouse with 10m ceiling height and 8m high racks. The aisles between the racks are 4m, 3m and 2m wide. It becomes obvious that the 30x70° lens beams down the most light. For high ceilings and/or narrow aisles this is your best bet.

The 40x130° lens shows excellent results for midrange ceiling heights and long aisles. It will allow for near perfect light distribution in most warehouse types. The 60x90° lens turn out to be a very good choice for wider aisles and midrange ceiling heights.

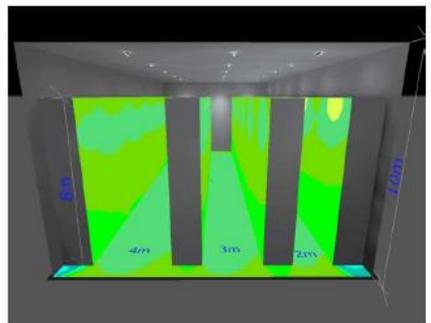
T31B-100W 30x70°



T31B-100W 40x130°



T31B-100W 60x90°



## Electrical & Mechanical Protection Function

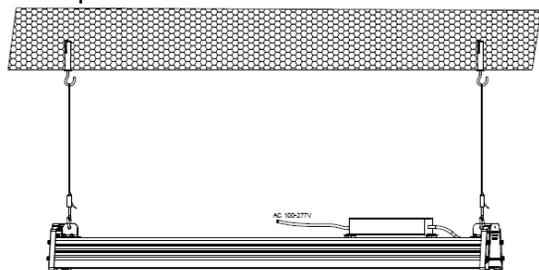
- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>✓ Output over - Voltage Protection</li> <li>✓ Output over - Current Protection</li> <li>✓ Short Circuit Protection</li> <li>✓ Over Temperature Protection</li> <li>✓ Surge Protection: 10KV</li> </ul> | <ul style="list-style-type: none"> <li>✓ Ingress Protection: IP66</li> <li>✓ Impact Protection: IK09</li> <li>✓ Full set of Stainless steel screw use.</li> <li>✓ Full set of waterproof connector use.</li> <li>✓ Anti UV and Fire Proof Optical PC Len.</li> </ul> |
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## Model & Specification

POWER RATING (W)	EGE-LH100 / 120-T31B	EGE-LH150/180-T68	EGE-LH200/240-T31B	EGE-LH400-T31B
Input Voltage	AC100 ~ 277V			
Frequency	50 / 60 Hz			
Power Factor	>0.95			
Working Temp	- 30°C ~ + 50°C			
CRI	Ra ≥ 70			
Luminous Flux (LM)	13000 / 15600	19500/23400	26000/31200	52000
Lamp Luminous	130 ±5 LM/W			
Color Temp	3000K, 4000K, 5000K, 6000K.			
LED Source	Lumileds 3030			
LED Driver	Tomcarline			
IP Rating	IP 65			
Beam Angle	30°/60°/90°/120°/ 30*70°/60*90°/ 40*130°/90*120°			
Lifespan	≥ 50000 Hours			
Material	Aluminum Alloy / PC			
Certificates	TUV, CB , CE, D-Mark, UL, DLC, SAA, C tick.			
Dimension (MM)	600*130*130	890*130*130	1180*130*130	1180*270*135
Weight	4.0	5.5	7.0	14.3

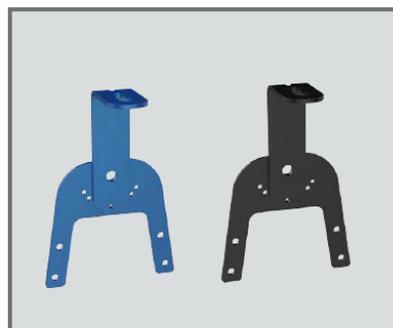
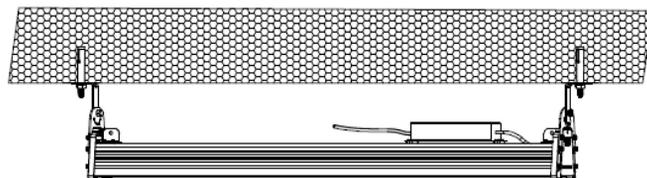
## Installations Method

### Suspended



The standard end-cap color is blue.  
Upon request we can also provide end-caps in nice shade of black.

### Surface Mount



These optional brackets allow for wall or ceiling installation where the installation angle needs to be adjusted.