

U.S.A  
VER.02

# LUMIDAS LINEAR HIGHBAY

Innovative Luminaire of Dongbu Lightec

# LUMIDAS LINEAR HIGHBAY

## Summary of **Product differentiation**

### High efficacy 150lm/W

More energy Saving max 65% than conventional lighting

### Easy Installation

Easy and quick installation with fixing bracket for stable product operation

### Optimization of **light quality**

One-for-one replacement of conventional Luminaire  
Up light module for automatic brightness control (Patent registration scheduled)

### Cooling System

radiating structure with natural convection cooling system in PSU case

### Compact & Lightweight

More lighter over 38% than Competitor (Installation cost & time ↓)

### Various Accessories

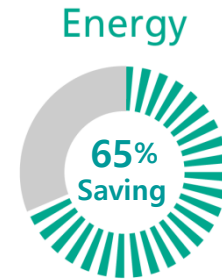
Providing each 5 kinds of mounting options and optical options for various installation site



# 1 High Efficacy 150lm/W

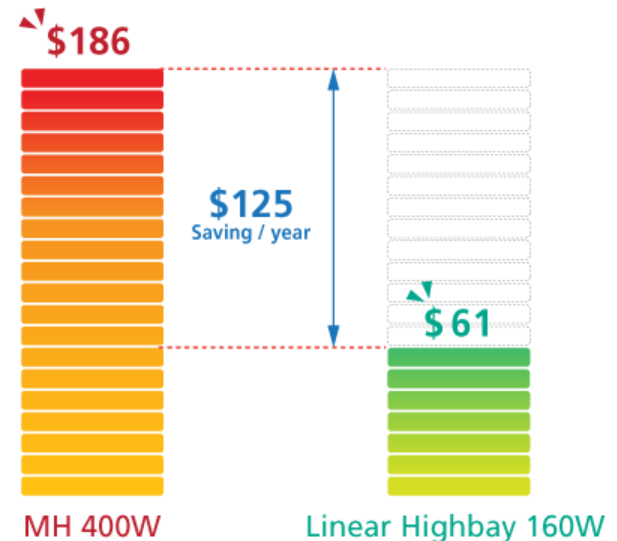
High Efficacy, Energy Saving Product enabling faster collecting of investment cost

- Up-to 67% reduction in annual cost compared with conventional lighting
- Up-to 65% reduction in Energy savings compared with conventional lighting



[ Replace MH460W to LED160W ]

	Dongbu Lightec	Metal Halide 400W	T12 60W 6lamp	T5HO 54W 6lamp
Power Consumption	160 W	460 W	432 W	344 W
Annual Cost	\$61	\$186	\$168	\$137
Annual Cost saving rate	0%	67%	64%	56%



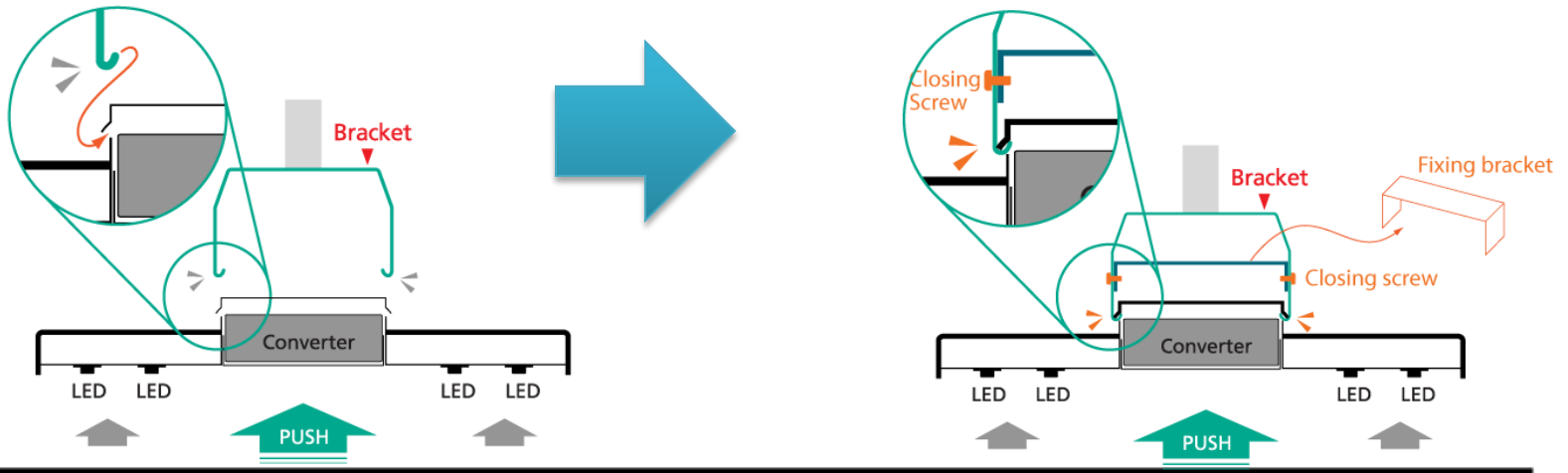
\* Annual Cost : electricity cost + Maintenance cost  
 - Annual cost calculation logic : 12Hous , 25Days, Electricity rate \$0.1 /kWh



# 2 / Easy Installation

**Easy and quick installation with fixing bracket for stable product operation**

- U shape mounting bracket is easily fastened to the vent hole of the PSU case
  - ※ using an internal fixing bracket to keep product's horizontal against external shock and vibration
- Front access\_plate cover (clear, Frosted, Prismatic) is easily assembled in the manner of sliding after separating side block parts from main frame without tools.

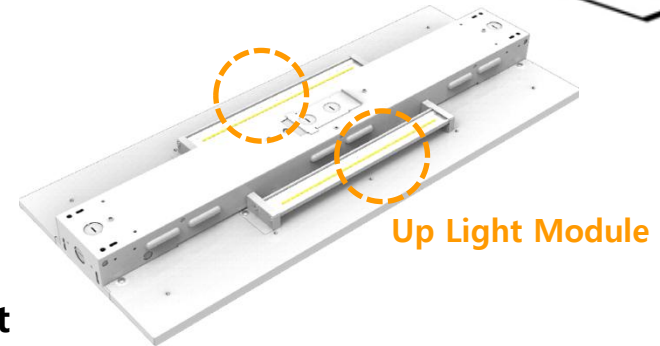




# 3 Optimizing light quality

Provides comfortable and adaptive illumination

- Variety optical options and luminous flux line up with high efficacy provide **one-for-one replacement of metal halide and fluorescent highbay** with substantial energy savings
- As an optional part, it is possible to install the Up light module according to the installation environment (when ceiling light is needed, when not needed).



Standard



Up light  
(10~15%)

Up light  
모듈 적용

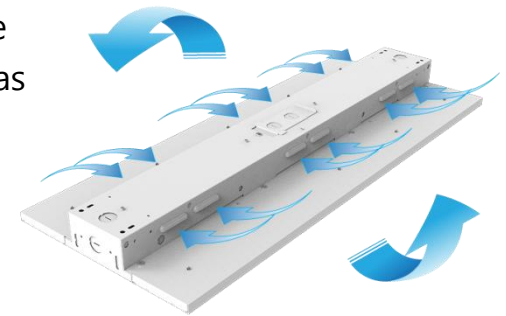




# 4 Cooling System in PSU Case

radiating structure with natural convection cooling system in PSU case

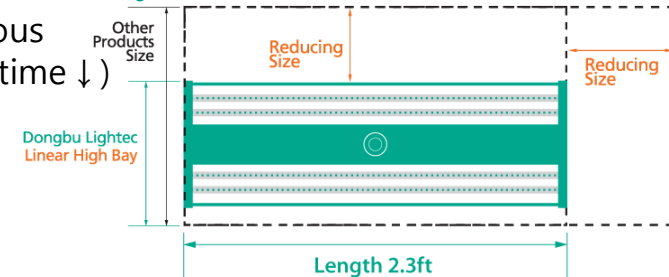
- Natural convection cooling system with air vent Hole in PSU Case
- Enables it to extend product life and decrease fraction defective as preventing temperature rising in Light source & PSU part



# 5 Compact & Lightweight

Compact & lightweight product for easy handling & delivery

- Relatively fewer people can easily install and deal in various of environments than other products (installation cost & time ↓)
  - ※ More lighter over 45% than 1<sup>st</sup> generation model
  - ※ More lighter over 38% than competitor (Based on 12000lm)
- Add bead for sturdy and safe structure

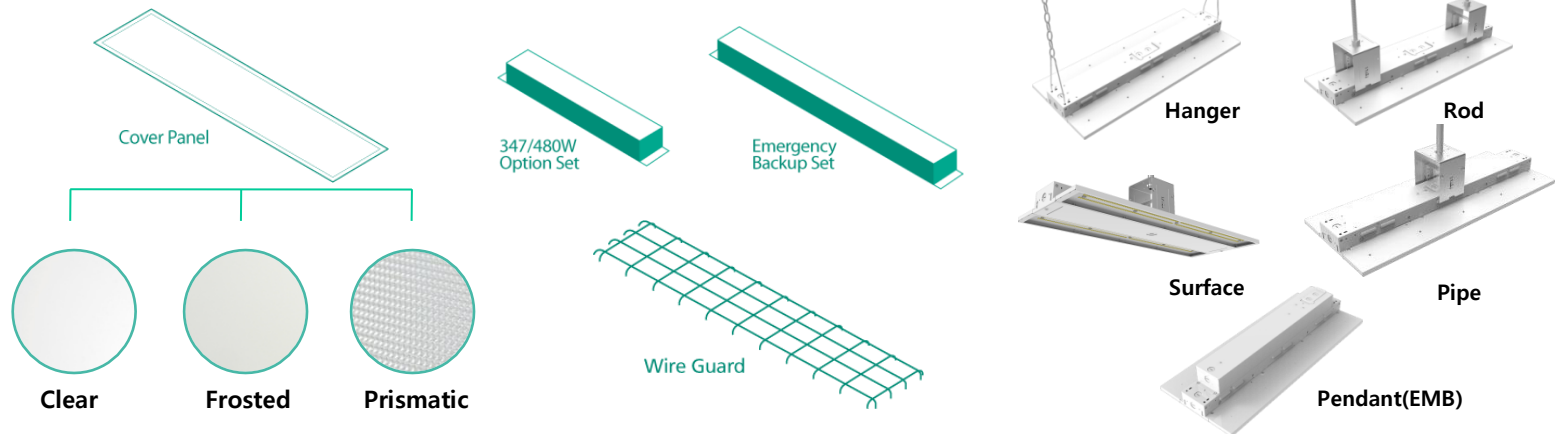




# 6/ Various Accessories

Providing various Options and accessories for installation

- **2 kinds of Beam pattern**(Wide Angle, Aisle)
- **3 kinds of Front cover**(Clear, Frosted, Prismatic)
- **5 kinds of mounting options**(Hanger, Rod, Surface, Pipe, Pendant(EMB))
- High compatibility with normal sensor easily purchased from markets.
- **No need additional work for power, providing 347/480V** (Option)
- Emergency Battery Backup which can work for 90 min under power cut (Option)



# Competitiveness Comparison

L U M I D A S  
LINEAR HIGH BAY



Competitor	Dongbu Lightec	ILP	Current(GE)	EATON	Columbia(Hubbell)
Image					
Power Consumption (W)	80/120/160/200	65/90/135/178/265	55~222	70/100/159	58/83/112 137/174
Luminous Flux(lm)	<b>12000/18000/24000 3000/36000/48000</b>	8500/11800/17700 23300/34700	9000~36400	9300/13000/19000	8500/12700/16000 19500/24800
Luminaire Efficacy(lm/W)	<b>150</b>	131	150~172	133/130/120	143~154
CCT(K)	3500/4000/5000	4000/5000	3000/3500/ 4000/5000	3500/4000/5000	3000/3500/ 4000/5000
CRI(Ra)	80	80	70/80/90	80	83
Weight(kg)	<b>3.7/4.5/7.1</b>	6~8	4.5(1Module)	6.8	7.9
Size(mm) (WxDxH)	<b>700 x 289 x 58</b>	609 x 322 x 95	350 x 276x 88 (1Module)	479 x 371 x 71	609 x 394x 207
Mount	Hanger Pendant / Rod	Hanger / Pendant	Hanger Pendant / Rod	Hanger Pendant / Rod	Hanger Pendant / Rod
Option	Narrow (Aisle), Wide Emergency Backup 347/480V Motion Sensor Daylight Sensor Wire Guard Cover Panel	Narrow, Wide Emergency Backup 347/480V Motion Sensor Daylight Sensor	Narrow (Aisle), Wide Emergency Backup 347/480V Motion Sensor Daylight Sensor Wireless Zigbee Wire Guard	Narrow (Aisle), Wide Emergency Backup 347/480V Motion Sensor	Narrow (Aisle), Wide Emergency Backup Motion Sensor Daylight Sensor Wire Guard Cover Panel