



GreenUp HighBay G2



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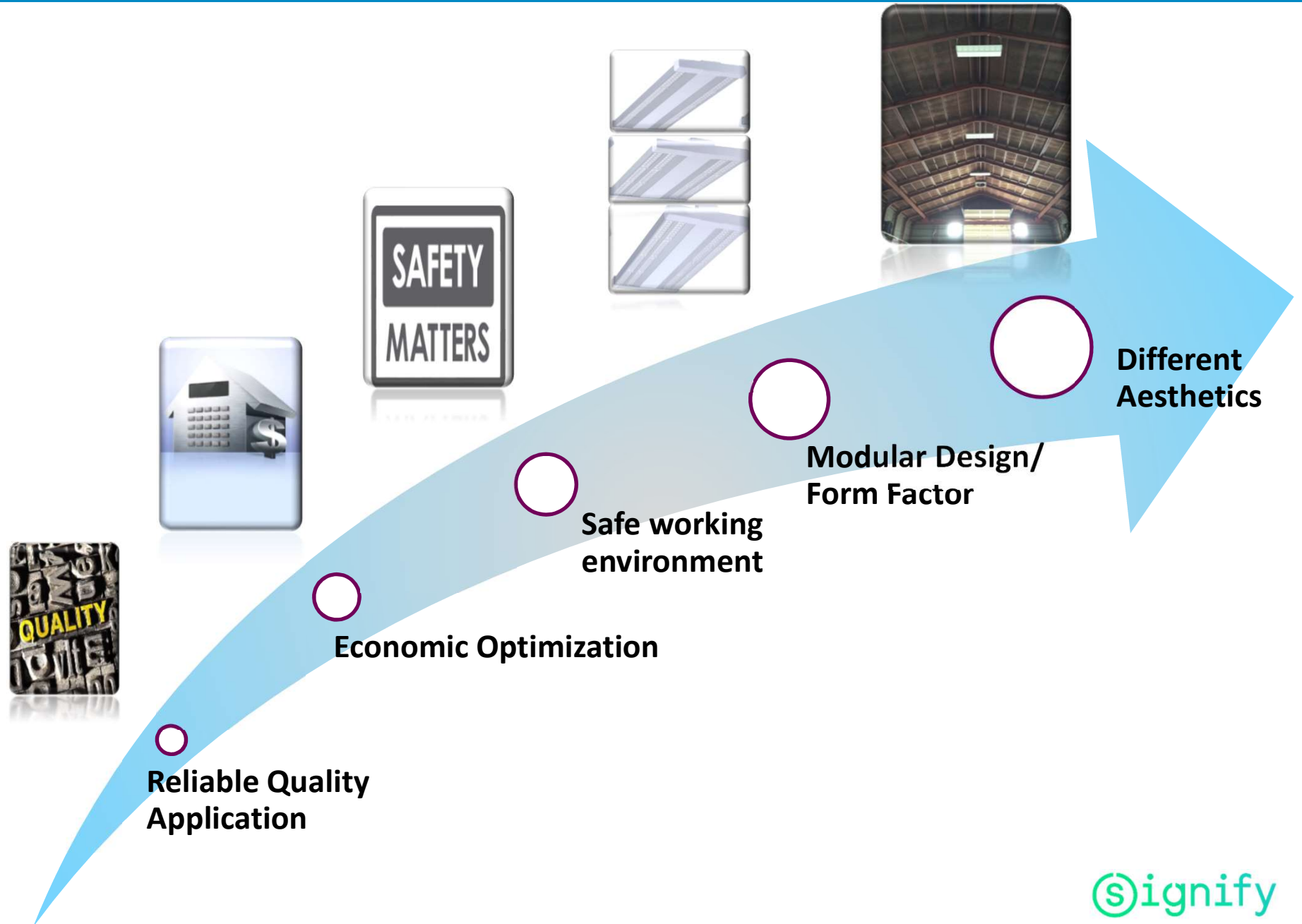
April 2019

Content:

- ☐ Customer insight
- ☐ Product journey
- ☐ Product Applications
- ☐ Product Specifications
- ☐ Product Mounting
- ☐ Product Ordering Data



What Customers are expecting :



GreenUp HighBay BY560P

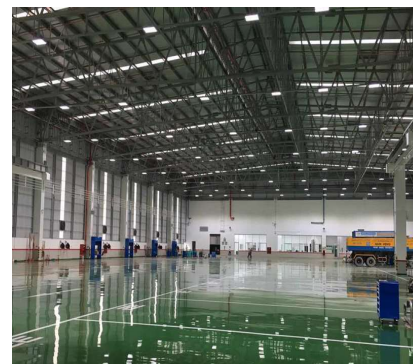


Light up your space effectively

Warehouse



Factory



Shopping marts



Other applications: Distribution center; Assembly line; Airport; Sport hall etc.

Unique Selling Points:

- **System efficacy up to 140lm/W offers 73% energy savings comparing to HID systems**
 - System lumen 10500lm, 16000lm & 21000lm options
 - Available in various optics NB, WB, HRO
 - 1 to 1 replacement to HID & T5 Highbay for both new install & retrofit applications
- **IP40, effectively prevent dusts & insects flying into the luminaire**
- **Accurate light, CRI>80**
- **Professional optical design provides precise light distribution**
- Robust aluminum extrusion housing
- Excellent thermal design assure the high quality in the whole life time
- Longer life (50khrs)
- **Clean & Simple design, brings the harmony and unity to your environment**
- Smaller and lighter than conventional lights, easy to handle
- **Installation and application flexibilities**

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Features and benefits

Energy saving up to 73%

- System efficacy 140 lumens per watt
- 1 to 1 replacement to HID & TPS325 Highbay for both new install & retrofit applications

Precise light distribution light up your space efficiently

- High Rack Optics (HRO) brighten both of your aisle and rack effectively
- Wide Beam (WB) brings high uniformity to the whole coverage area
- Narrow Beam delivers high efficient light to make a brighter world
- Accurate light, CRI>80, R9>0

Long-lasting performance

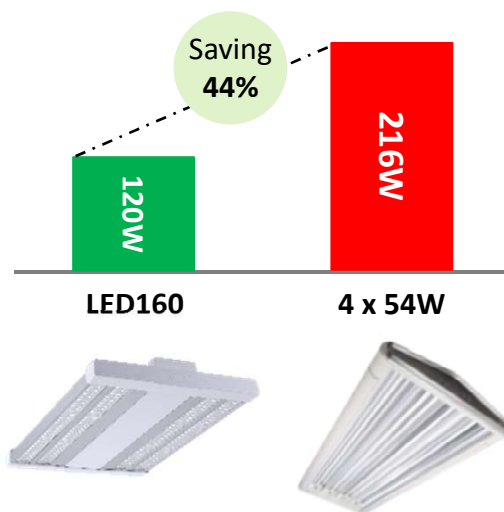
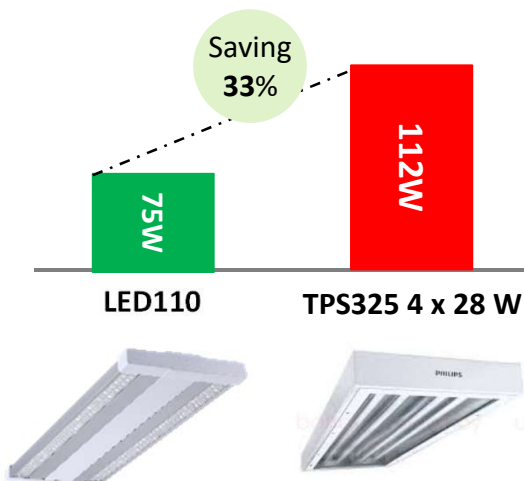
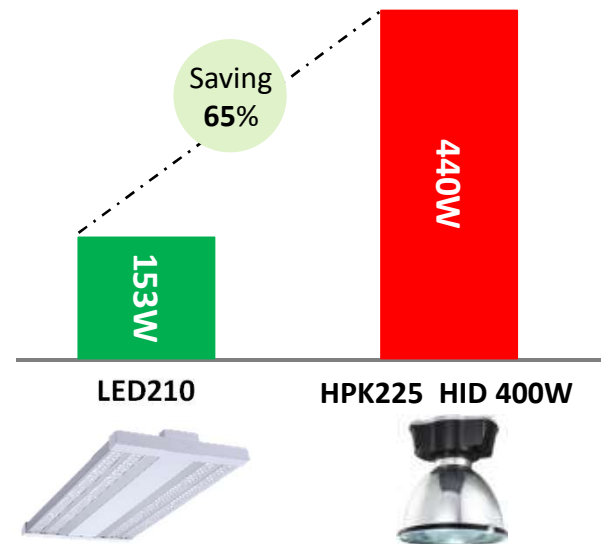
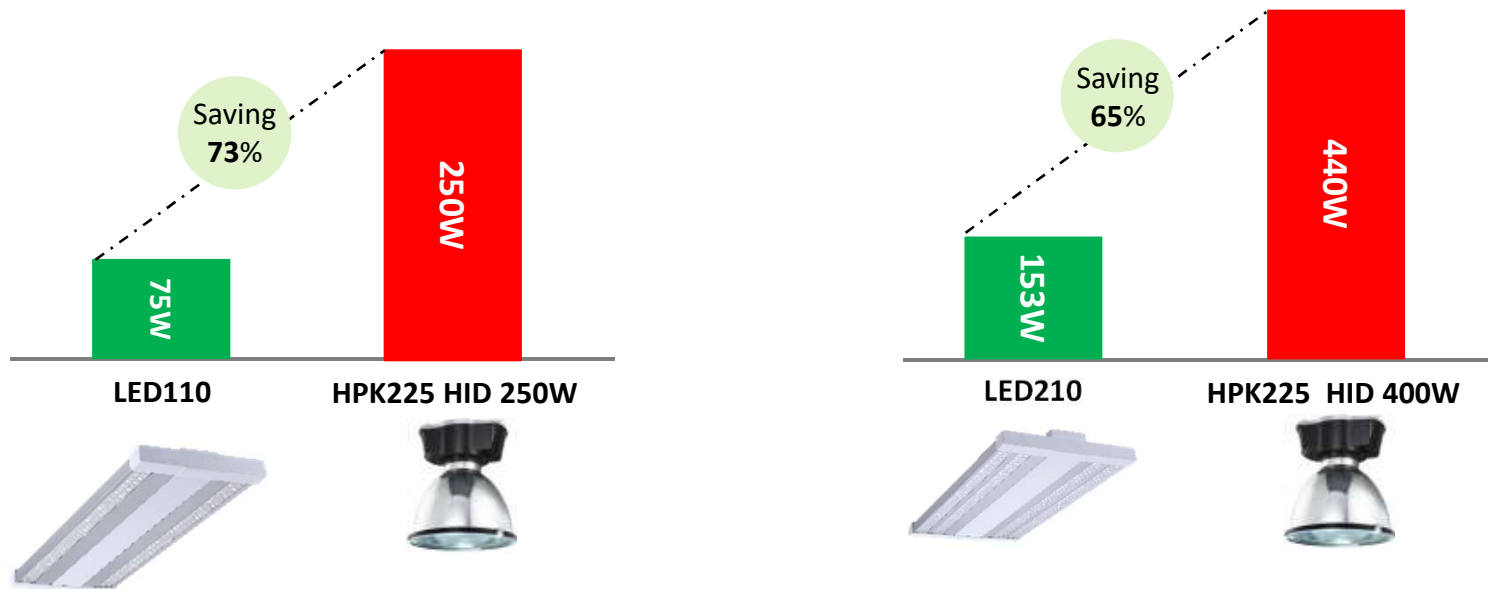
- Philips LED module and Xitanium driver
- IP40 prevents dusts & insects flying into the luminaire to assure the performance for long term
- One piece flat aluminum housing offers excellent thermal dispersion to assure the long life time
- L70B50 50k hours @ Ta45°C (calculated)
- Designed for operations under diverse environment from -20°C to 45°C

Usage flexibility

- Suits for suspended installation with hook/pipe/suspension string choices and surfaced mounted possible
- Three options of optical, wide beam, narrow beam and high rack optic.
- Smaller and lighter than conventional light, easy to handle



Energy saving – New installation



Energy saving – Retrofit installation

**Save
73%**



400W
Conventional
Highbay

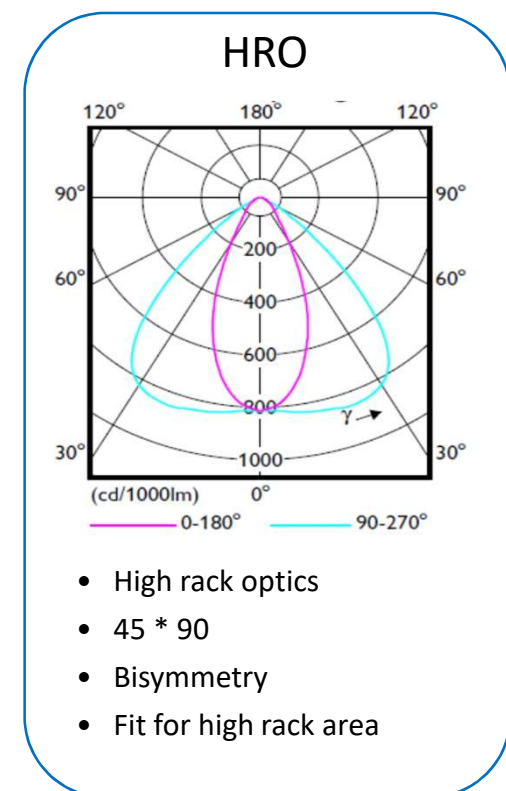
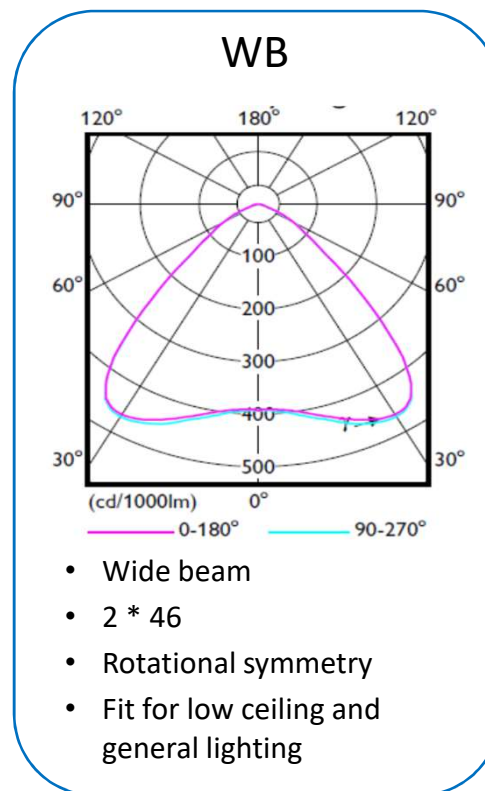
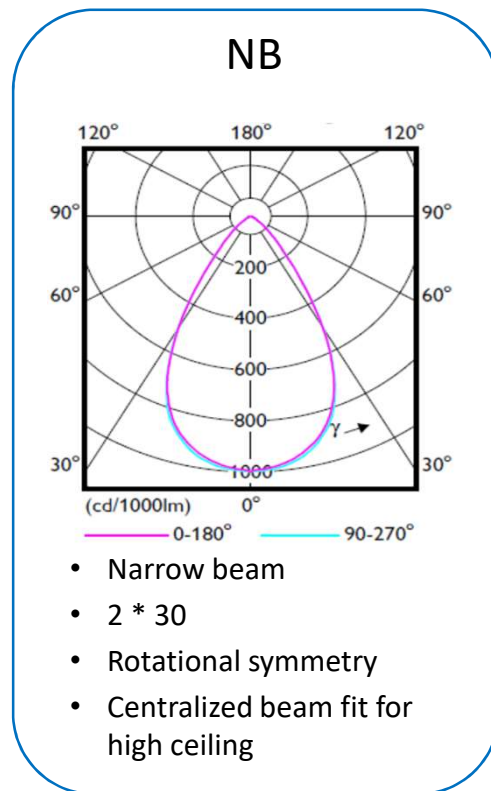


BY560P
LED
Highbay

Lamp watt	400 W	120 W
System consumption	440 W	120 W
Initial lumen output	32500 lm	16000 lm
Lumen maintenance (10000hrs)	70%	95%
Light output ratio (LOR)	60%	100%
Average system lumen output (10000 hrs)	13650 lm	15200 lm
Total energy saving with 11% Lux higher		73%

Brighten your space efficiently : HRO Light your Aisle efficiently, be safer

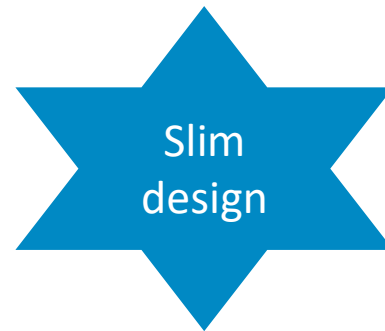
- Precise light distribution light up the application with high uniformity
- Three ways of optic, meeting various requirements



In warehouse, people want to see clearly and be safe in forklift, with special lighting design of HRO Optics. This HRO optics design to cater requirements for shopping marts and warehouses where vertical illuminance is required.

High efficient thermal design

- One piece aluminum extrusion housing provides big and flat thermal sink, which is the highest efficient thermal dissipation comparing to die-casting aluminum & bending sheet metal housing
- Stable operation between $-10^{\circ}\text{C} \sim +45^{\circ}\text{C}$, ensuring the durable and reliable performance at $T_a 45^{\circ}\text{C}$



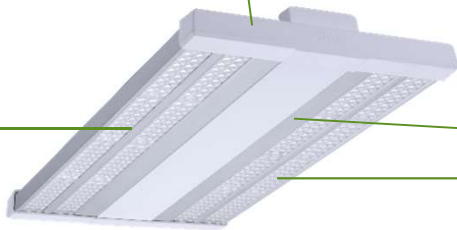
Long-lasting performance

All Philips key components and production assure long lasting performance

Philips Xitanium
driver



One piece
Aluminum extrusion
heat sink



Philips customized LED
CRI>80



High quality
PC lens



PHILIPS

Green Field

**Philips professional LED luminaire
assembly factory**

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Product Specification

Types	BY560P LED210	BY560P LED160	BY560P LED105
Lumen Output	21000lm	16000lm	10500lm
System Power	153W	120W	75W
System efficacy	137lm/W	133lm/W	140lm/W
CCT	CW (6500K)		
CRI	> 80		
Color consistency	< 5 SDCM		
IP/IK rating	IP40/ IK03		
Classification	Class I		
Operation Temperature	-10°C to +45°C (Ta45°C)		
Lifetime (hrs)	50,000 hrs (Calculated L70B50) @Ta45°C		
Optics	NB;WB; HRO		
Input Voltage	220-240V, 50/60 Hz		
Power factor	0.95		
THD	<15%		
Flicker (Ripple)	≤ 5%		
Mounting / Installation	Suspended & Surfaced		
Dimensions	525x280x50mm	405x280x50mm	525x190x35mm
Weight	3.5kgs	3.0kgs	2.0kgs
Certificate	BIS/CCC/CB/EMC/CE/AS-NZS		

Product Image



Product Designation

BY560P LED210/ CW PSU WB
1 2 3 4 5

1 Product family code

2 System output

LED105: 10500lm **LED160**: 16000lm **LED210**: 21000lm

3 Color temperature

NW: 4000K **CW**: 6500K

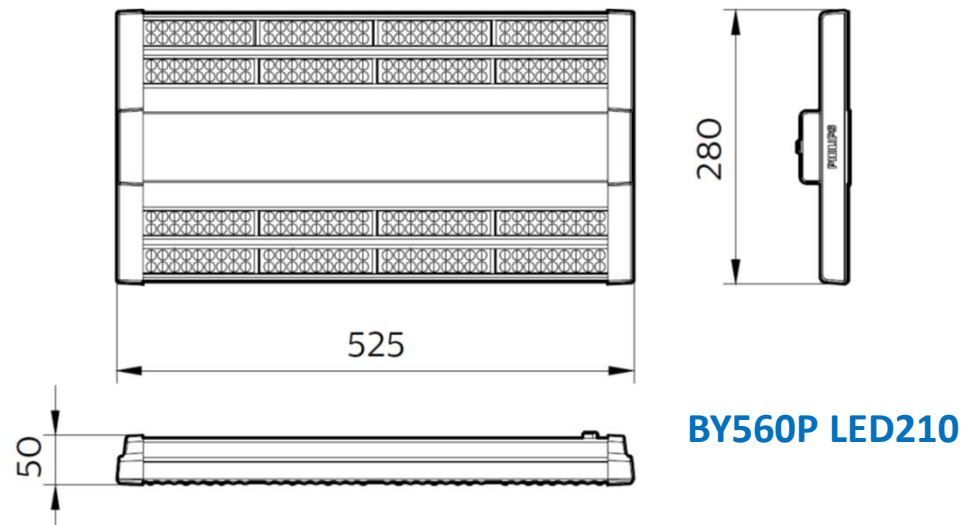
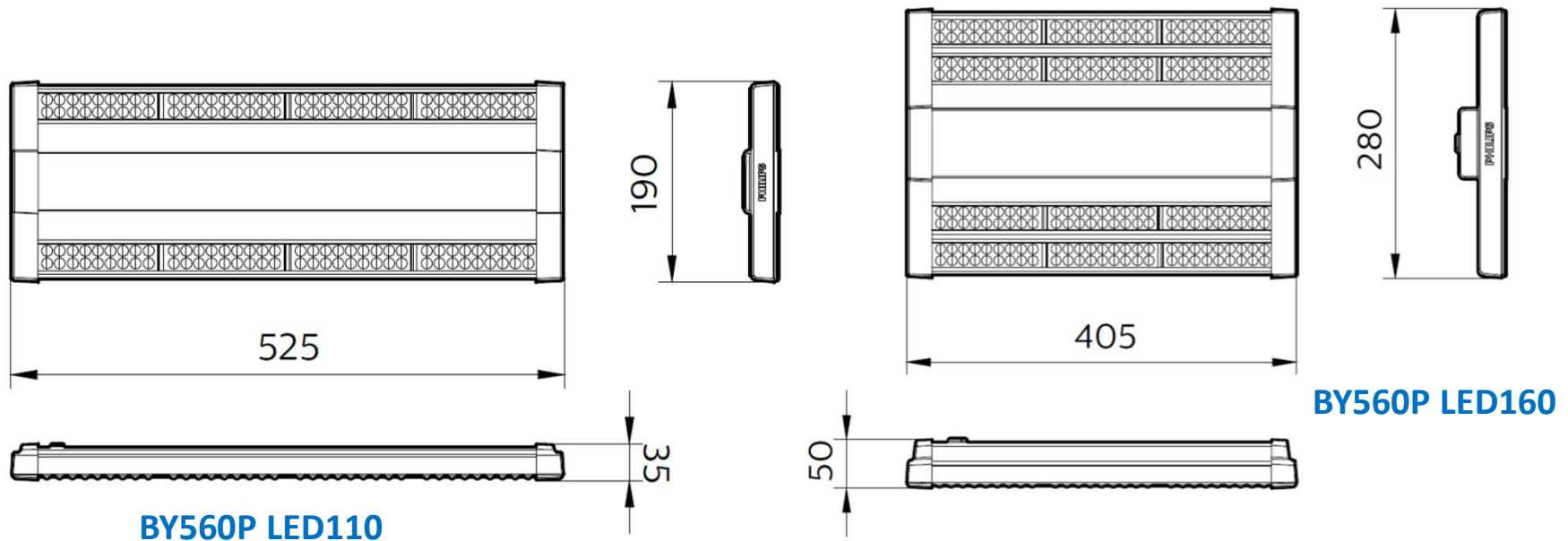
4 Driver type

PSU: Fixed **PSD**: Dali

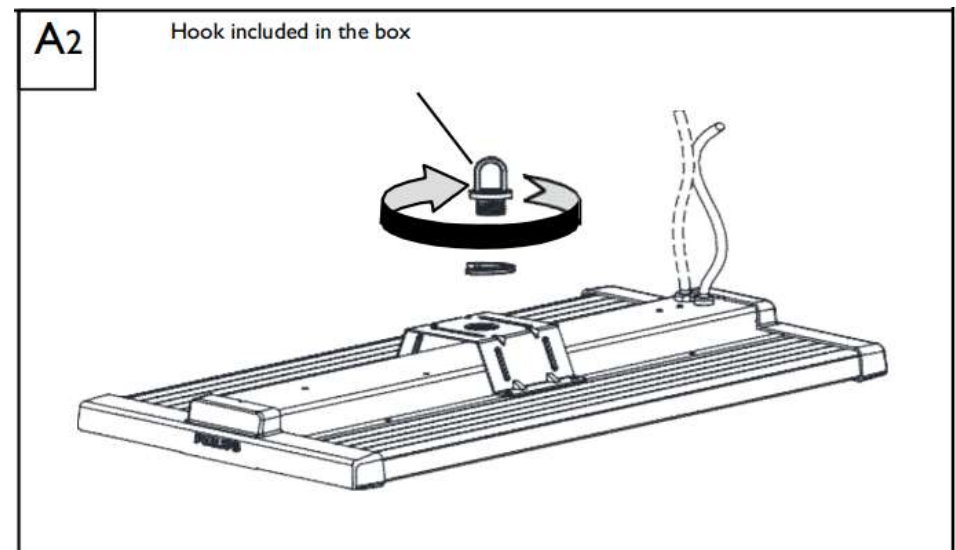
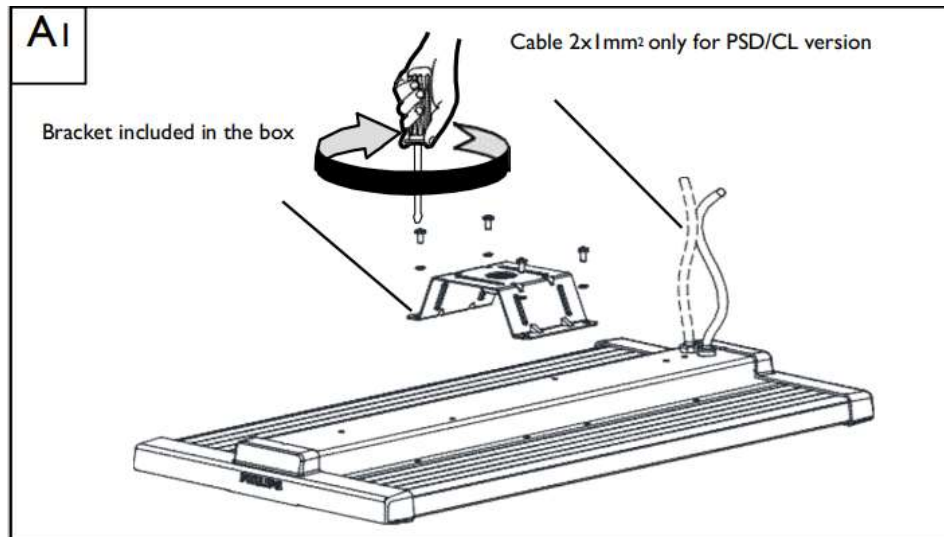
5 WB

WB: Wide Beam **NB**: Narrow Beam **HRO**: High Rack Optics

Product Dimension

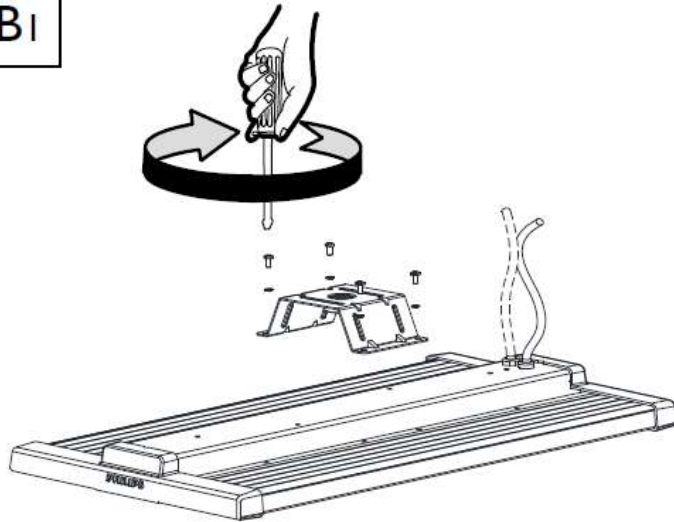


Mounting Instruction Hook mounting



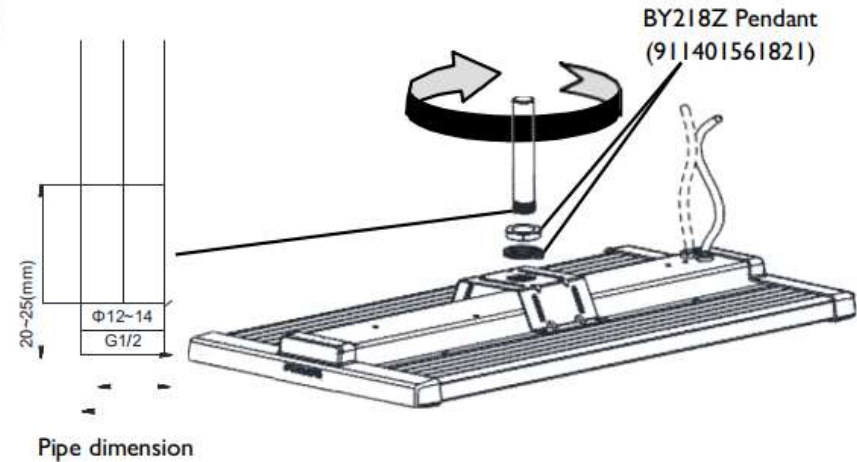
Mounting Instruction Pipe mounting

B1



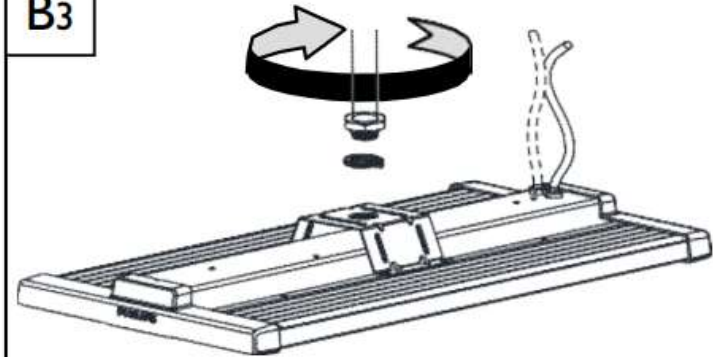
B2

1. Pipe is not provided by Philips.
2. Screw and washer for pipe mounting need to be ordered separately.



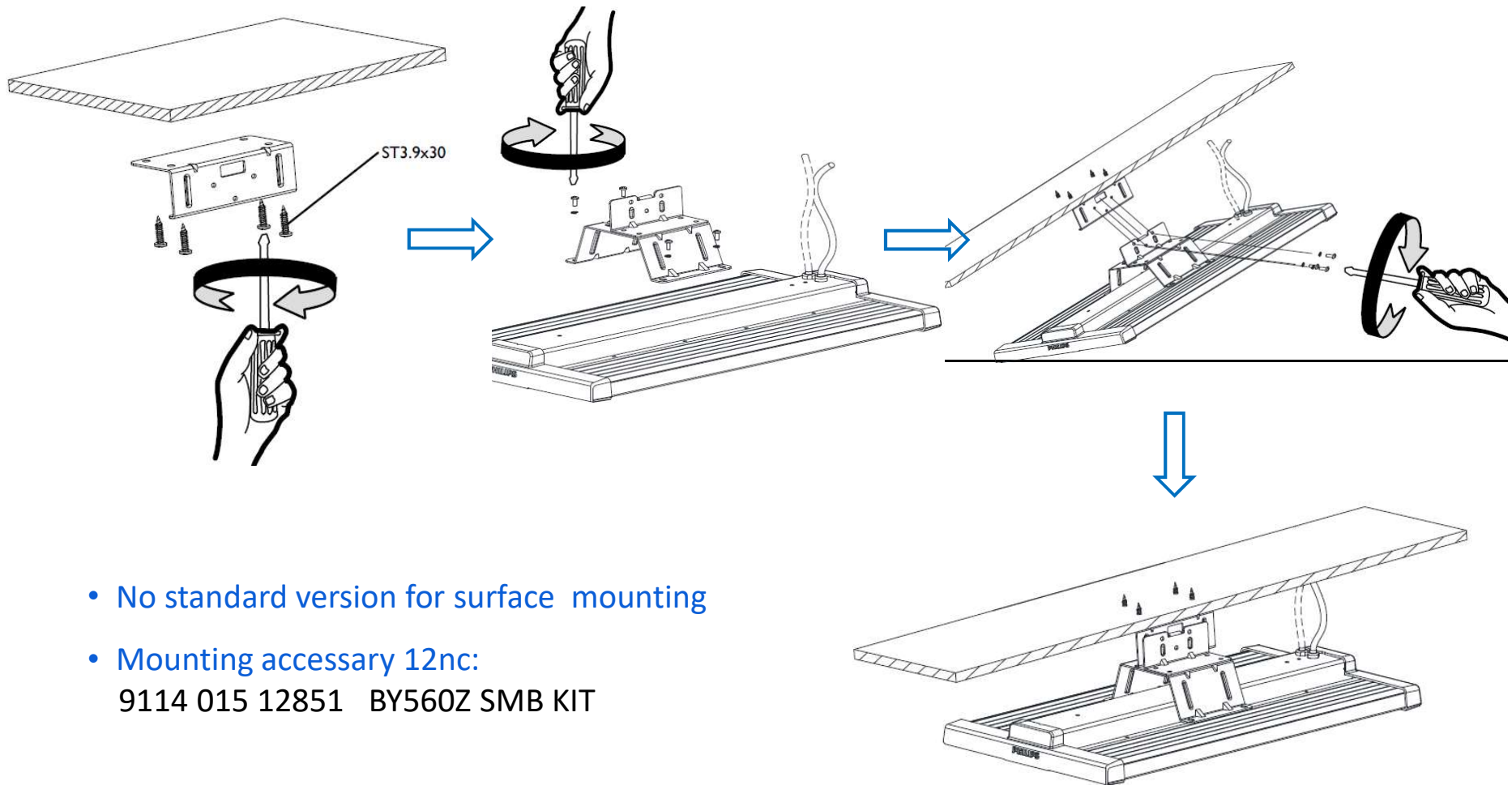
- No standard version for pipe installation
- 911401822497 BY218Z Pendant EN is preferred for Pipe installation, you need to issue separate order for this accessory
- Suits for standard dimension (G ½) pipe, which is not provided by Philips

B3

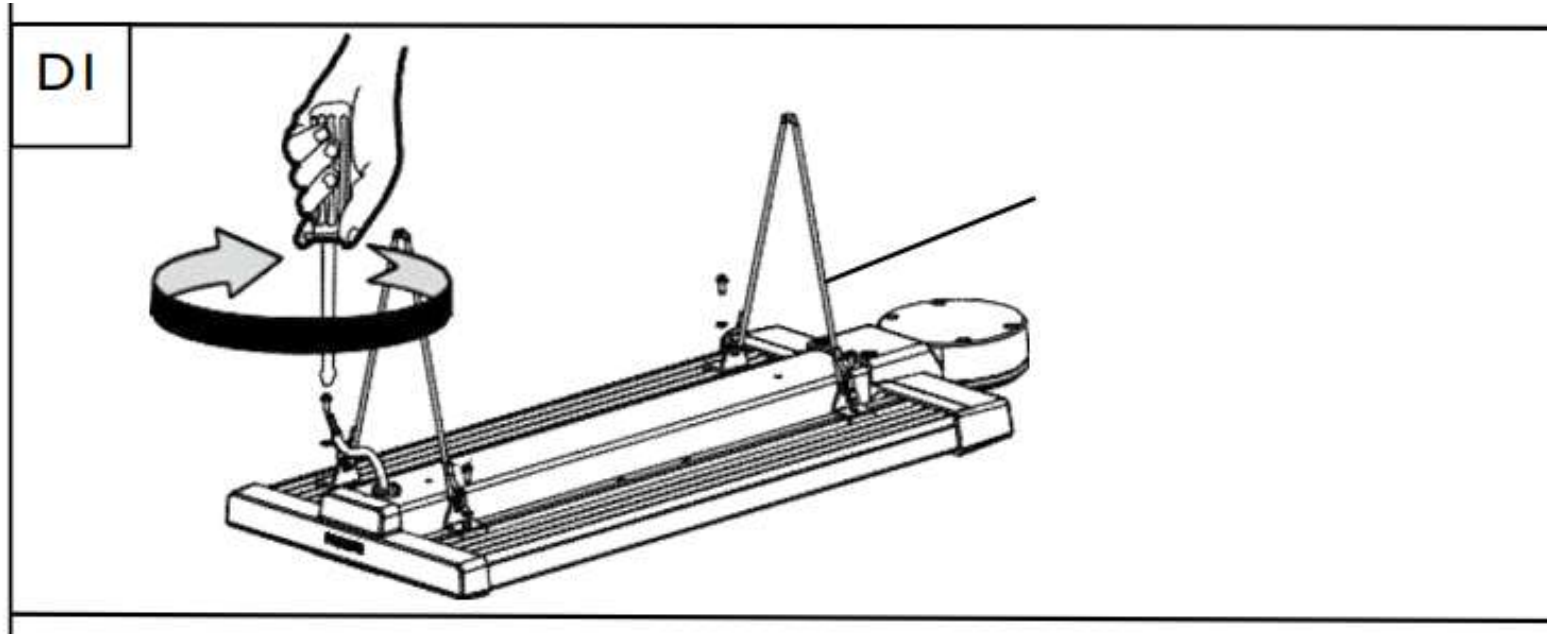


The screw & spring washer is a must, it is a double assurance to get the pipe screwed into the housing tightly.

Mounting Instruction Surface mounting



Mounting Instruction Suspension mounting



Markets can buy the 'Suspension set ' via below 12nc:
824110148981 BY560P Suspension KIT

Order Information

12NC	Product Description	Lumen	Optics	Power	Driver Type	Driver 12NC
911401527851	BY560P LED105/CW PSU WB IN	10500	WB	75W	Fixed	929000950706
911401528051	BY560P LED105/CW PSU HRO IN	10500	HRO	75W	Fixed	
911401527751	BY560P LED105/CW PSD/CL WB IN	10500	WB	75W	Dali	929001553506
911401528551	BY560P LED105/CW PSD/CL HRO IN	10500	HRO	75W	Dali	
911401528451	BY560P LED160/CW PSU WB IN	16000	WB	120W	Fixed	929001400480
911401528751	BY560P LED160/CW PSU HRO IN	16000	HRO	120W	Fixed	
911401528151	BY560P LED160/CW PSU NB IN	16000	NB	120W	Fixed	
911401528351	BY560P LED160/CW PSD/CL WB IN	16000	WB	120W	Dali	929001553506
911401528251	BY560P LED160/CW PSD/CL HRO IN	16000	HRO	120W	Dali	
911401527651	BY560P LED210/CW PSU WB IN	21000	WB	153W	Fixed	929001400480
911401527951	BY560P LED210/CW PSU HRO IN	21000	HRO	153W	Fixed	
911401528651	BY560P LED210/CW PSU NB IN	21000	NB	153W	Fixed	
911401528851	BY560P LED210/CW PSD/CL NB IN	21000	NB	153W	Dali	929001553506

- All the above 12ncs are default hook mounting
- Hook is include inside of the package, not necessary to buy any parts for mounting

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