



GreenUp Highbay– BY550



GreenUp Highbay BY550 is a high efficient and reliable LED highbay for industrial high-ceiling facilities without humid and dusty requirement, designed for both new project and retrofit. This lighting system can deliver up to 88% energy savings with the integrated G2 Actilume Wireless. It delivers point to point replace up to 400W HID and T5 6x54W highbay with easy installation. There are three beam shapes to choose with good light quality CRI85 and UGR 17.

Integrated with G2 Actilume Wireless, GreenUp BY550 provide connected lighting with daylight, occupancy sensor, and ZigBee wireless communication, will increase your savings by upgrading to an intelligent system and delivering one-stop solution for your Factory, Warehouse, Distribution center, Indoor spot hall, and other high ceiling indoor application.

Benefits

- Energy savings of fix version up to 75% vs. HID 400W Systems and up to 56% vs.T5 Highbay; Additional up to 13% saving can be achieved from intelligent version ((depends on usage behavior)
- Comfortable light with low glare and accurate color
- Easy to use, easy to design in and low installation cost
- Smart Comfort combined with Actilume 2 wireless control (dimmable version)
- Application flexibility (multiple beam)

Features

- High system efficiency (125lm/w)
- CRI 85, UGR 17
- Reliable (70KHrs, Lumileds Chips & Xitanium Driver)
- Wide Beam, Narrow Beam & High Rack Optic Beam
- Unique air convection design enables efficient heat dissipation
- Connected lighting

Applications

- General Industry Application
- High Rack Warehouse



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Data subject to change

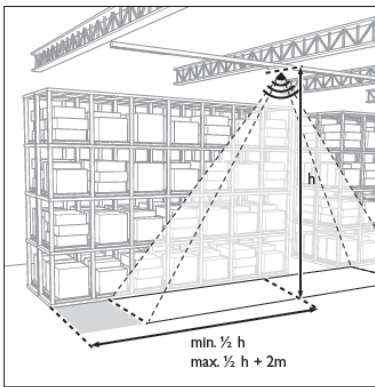
Wireless zoning



The size, shape and location of zones can be designed to match the occupation and routing density of people and forklift, allowing optimum balancing of comfort and safety with energy saving.

Any sensor in each zone can trigger all luminaires to be on and off for employers via wireless communication.

Motion & Daylight detector

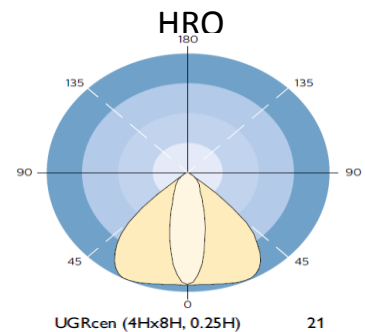
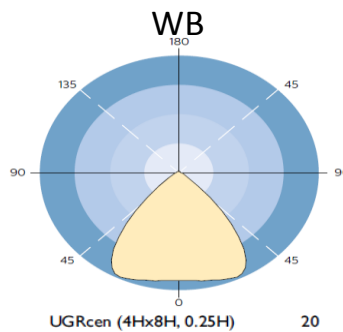
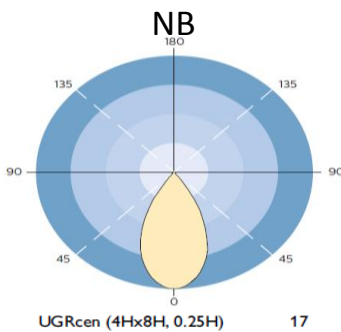


Occupancy sensor improves energy efficiency significantly.

Daylight harvest ensures a constant working lux.

Application illustration with Actilume 2 wireless control

Photometric





Product Specification

| Product family | Fix/Dali | Intelligent |
|-------------------|---|--|
| Product spec. | BY550P | BY550X |
| System output | 10000/ 13000/ 20000lm | 10000/ 13000/ 20000lm |
| System power | 80/ 110/ 160W | 80/ 110/ 160W |
| System efficiency | 125lm/W | 125lm/W |
| Control | fixed / DALI | wireless |
| Lifetime | 70000hrs | 70000hrs (life time extend to 100000hrs with average 30% dimming down) |
| Controller | no | ActiLume Wireless DALI Gen2 (effective in 10m) |
| Sensor | no | ActiLume G2 Indus Sensor H513 (5~13m: effective sensing height) |
| Control features | no | movement detection, daylight harvest, wireless zoning |
| CCT | CW (6500K)/ NW (4000K) | |
| CRI | >85 | |
| SDCM | <3.5 SDCM | |
| Optic | WB/ NB/ HRO | |
| Temperature | -20°C~+40°C / Ta35°C | |
| Driver | Philips Xitanium driver | |
| Materials | body: steel ; cover: engineering plastic ; lens: optic PMMA | |
| Color | white | |
| IP | IP20 | |
| Classification | class I | |
| Input voltage | 220-240V, 50/60 Hz | |
| Power factor | > 0.90 | |
| Installation | Suspend | |

Order Information

| Description | 12NC | Lumen | CCT | Power | Optic | Control |
|--------------------------|--------------|-------|------|-------|-------|---------|
| BY550P LED100/CW PSU NB | 911401524621 | 10000 | 6500 | 80 | NB | Fixed |
| BY550P LED100/CW PSU WB | 911401524521 | 10000 | 6500 | 80 | WB | Fixed |
| BY550P LED100/CW PSU HRO | 911401524421 | 10000 | 6500 | 80 | HRO | Fixed |
| BY550P LED100/NW PSU NB | 911401524321 | 10000 | 4000 | 80 | NB | Fixed |
| BY550P LED100/NW PSU WB | 911401524121 | 10000 | 4000 | 80 | WB | Fixed |
| BY550P LED100/NW PSU HRO | 911401522221 | 10000 | 4000 | 80 | HRO | Fixed |
| BY550P LED140/CW PSU NB | 911401525221 | 13000 | 6500 | 110 | NB | Fixed |
| BY550P LED140/CW PSU WB | 911401525121 | 13000 | 6500 | 110 | WB | Fixed |
| BY550P LED140/CW PSU HRO | 911401525021 | 13000 | 6500 | 110 | HRO | Fixed |
| BY550P LED140/NW PSU NB | 911401524921 | 13000 | 4000 | 110 | NB | Fixed |
| BY550P LED140/NW PSU WB | 911401524821 | 13000 | 4000 | 110 | WB | Fixed |
| BY550P LED140/NW PSU HRO | 911401524721 | 13000 | 4000 | 110 | HRO | Fixed |
| BY550P LED200/CW PSU NB | 911401522121 | 20000 | 6500 | 160 | NB | Fixed |
| BY550P LED200/CW PSU WB | 911401522021 | 20000 | 6500 | 160 | WB | Fixed |
| BY550P LED200/CW PSU HRO | 911401521921 | 20000 | 6500 | 160 | HRO | Fixed |
| BY550P LED200/NW PSU NB | 911401522321 | 20000 | 4000 | 160 | NB | Fixed |
| BY550P LED200/NW PSU WB | 911401525421 | 20000 | 4000 | 160 | WB | Fixed |
| BY550P LED200/NW PSU HRO | 911401525321 | 20000 | 4000 | 160 | HRO | Fixed |

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Order Information

| Description | 12NC | Lumen | CCT | Power | Optic | Control |
|------------------------------|--------------|-------|------|-------|-------|-------------|
| BY550P LED100/CW PSD NB | 911401523221 | 10000 | 6500 | 80 | NB | DALI |
| BY550P LED100/CW PSD WB | 911401523521 | 10000 | 6500 | 80 | WB | DALI |
| BY550P LED100/CW PSD HRO | 911401522721 | 10000 | 6500 | 80 | HRO | DALI |
| BY550P LED100/NW PSD NB | 911401522621 | 10000 | 4000 | 80 | NB | DALI |
| BY550P LED100/NW PSD WB | 911401522521 | 10000 | 4000 | 80 | WB | DALI |
| BY550P LED100/NW PSD HRO | 911401522421 | 10000 | 4000 | 80 | HRO | DALI |
| BY550P LED140/CW PSD NB | 911401524021 | 13000 | 6500 | 110 | NB | DALI |
| BY550P LED140/CW PSD WB | 911401523921 | 13000 | 6500 | 110 | WB | DALI |
| BY550P LED140/CW PSD HRO | 911401523821 | 13000 | 6500 | 110 | HRO | DALI |
| BY550P LED140/NW PSD NB | 911401523721 | 13000 | 4000 | 110 | NB | DALI |
| BY550P LED140/NW PSD WB | 911401523621 | 13000 | 4000 | 110 | WB | DALI |
| BY550P LED140/NW PSD HRO | 911401523421 | 13000 | 4000 | 110 | HRO | DALI |
| BY550P LED200/CW PSD NB | 911401522821 | 20000 | 6500 | 160 | NB | DALI |
| BY550P LED200/CW PSD WB | 911401523021 | 20000 | 6500 | 160 | WB | DALI |
| BY550P LED200/CW PSD HRO | 911401522921 | 20000 | 6500 | 160 | HRO | DALI |
| BY550P LED200/NW PSD NB | 911401523121 | 20000 | 4000 | 160 | NB | DALI |
| BY550P LED200/NW PSD WB | 911401523321 | 20000 | 4000 | 160 | WB | DALI |
| BY550P LED200/NW PSD HRO | 911401524221 | 20000 | 4000 | 160 | HRO | DALI |
| BY550X LED100/CW ACW2 IS NB | 911401538221 | 10000 | 6500 | 80 | NB | Intelligent |
| BY550X LED100/CW ACW2 IS WB | 911401538721 | 10000 | 6500 | 80 | WB | Intelligent |
| BY550X LED100/CW ACW2 IS HRO | 911401538321 | 10000 | 6500 | 80 | HRO | Intelligent |
| BY550X LED100/NW ACW2 IS NB | 911401538421 | 10000 | 4000 | 80 | NB | Intelligent |
| BY550X LED100/NW ACW2 IS WB | 911401538521 | 10000 | 4000 | 80 | WB | Intelligent |
| BY550X LED100/NW ACW2 IS HRO | 911401538621 | 10000 | 4000 | 80 | HRO | Intelligent |
| BY550X LED140/CW ACW2 IS NB | 911401537021 | 13000 | 6500 | 110 | NB | Intelligent |
| BY550X LED140/CW ACW2 IS WB | 911401537821 | 13000 | 6500 | 110 | WB | Intelligent |
| BY550X LED140/CW ACW2 IS HRO | 911401537921 | 13000 | 6500 | 110 | HRO | Intelligent |
| BY550X LED140/NW ACW2 IS NB | 911401538021 | 13000 | 4000 | 110 | NB | Intelligent |
| BY550X LED140/NW ACW2 IS WB | 911401538121 | 13000 | 4000 | 110 | WB | Intelligent |
| BY550X LED140/NW ACW2 IS HRO | 911401537721 | 13000 | 4000 | 110 | HRO | Intelligent |
| BY550X LED200/CW ACW2 IS NB | 911401537421 | 20000 | 6500 | 160 | NB | Intelligent |
| BY550X LED200/CW ACW2 IS WB | 911401537321 | 20000 | 6500 | 160 | WB | Intelligent |
| BY550X LED200/CW ACW2 IS HRO | 911401537621 | 20000 | 6500 | 160 | HRO | Intelligent |
| BY550X LED200/NW ACW2 IS NB | 911401537221 | 20000 | 4000 | 160 | NB | Intelligent |
| BY550X LED200/NW ACW2 IS WB | 911401536921 | 20000 | 4000 | 160 | WB | Intelligent |
| BY550X LED200/NW ACW2 IS HRO | 911401537121 | 20000 | 4000 | 160 | HRO | Intelligent |



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