Dialight® IntelliLED™ Wireless Controls
Technical System Specification Sheet - EMEA

MAY 2019
Reliant™ LED High Bay

Certifications & Ratings
- 10 year warranty
- CE / ENEC
- IP66
- L70 rated for >100,000 hours @ 55°C
- L90 rated for >100,000 hours @ 25°C

Mechanical Information:
- Fixture weight: 9.3 kg
- Shipping weight: 12 kg
- Box dimensions: 515 x 515 x 350mm

Mounting:
- Mounting: 304 stainless steel mounting bracket

Electrical Specifications:
- Operating voltage: 100-277 VAC 50/60Hz
- Operating temperature: -40°C to +55°C
- Total system power consumption: See ordering table

EMC:
- EN 55015
- IEC 61000-3-3
- IEC 61547
- IEC 61000-4-2
- IEC 61000-4-3
- IEC 61000-4-6
- IEC 61000-4-8
- IEC 61000-4-11

Transient protection:
- 6kV/3kA combination wave, as per IEEE C62.41, line-line and line-ground
- IEC 61000-4-4
- IEC 61000-4-5
- IEC 61000-4-6

THD:
- IEC 55015 <20% @ 100-277 VAC
- IEC 61000-4-3, Class C

Harmonics:
- IEC 61000-4-3, Class C

Power factor:
- >0.9 @ 100-277 VAC

Flicker:
- IEC 61000-4-3

Dimming:
- DALI 1.0 and 2.0 5% 0-10 VDC
- Continuous dimming to 5%
- Wireless dimming via Dialight IntelliLED controls to 5%

Cable entry:
- (3) M20

Terminals:
- 5 position, 0.5-4 mm²

Materials:
- Housing: Polycarbonate (upper)
- Aluminium (lower)
- Lens: Polycarbonate
- Glass and acrylic options also available
- Hardware: 304 stainless steel
- Hook: 304 stainless steel
- Fixture finish: Superior dual coat finish
- Sealed polyester topcoat
- Epoxy primer

Gaskets:
- Light engine: Santoprene
- Wiring box: EPDM

Photometric Information:
- CRI: 80
- CCT: 5000K (cool white)
- 4000K (neutral white) options available
- Consult factory

All values typical unless otherwise stated (tolerance +/- 10%)
IntelliLED™ Wireless Controls | High Bay

Reliant™ LED High Bay

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fixture Lumen</th>
<th>Wattage</th>
<th>lm/W</th>
<th>CCT</th>
<th>Lens</th>
<th>Beam Distribution</th>
<th>Controls</th>
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<tbody>
<tr>
<td>RRE-4MC2-JDHN-NGN</td>
<td>33,800</td>
<td>232</td>
<td>146</td>
<td>5000K (cool white)</td>
<td>Polycarbonate Clear</td>
<td>Medium</td>
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<td>RRE-4MC2-CDHN-NGN</td>
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<td>RRE-4MC2-ADH-NGN</td>
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<tr>
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<td>71</td>
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</tbody>
</table>

All values typical unless otherwise stated (tolerance +/- 10%). Models available up to 160 lm/W with acrylic or glass lens. Please contact a Dialight sales representative.

Standard hardware options: bracket with hook.

Standby power draw < 1 watt

IntelliLED™ wireless controls can be easily added to the Reliant™ High Bay with the use of a wireless control card:

RR-WIRELESS-1

- IntelliLED wireless control

DISCLAIMER. All product information provided is, to the best of Dialight’s knowledge, accurate as of the date of publication. When ordering, refer to www.dialight.com for current versions of: (a) relevant product documentation (including the relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranty. To the extent that any contract is deemed formed between Dialight and the purchaser of Dialight products and/or an end-user, versions of documents available at www.dialight.com as at the date of sale shall be the versions incorporated therein. In the event of any discrepancy between this document or information provided at www.dialight.com, the latter shall prevail.

www.dialight.com
Gateway Controller

The gateway wirelessly integrates fixtures and sensors, offering ground-level control for up to 120 nodes (fixtures and sensors).

**Technical Specifications:**
- **Weight:** 7.2 kg (15.8 lbs)
- **Shipping weight:** 8.7 kg (19.2 lbs)
- **Operating voltage:** 100-277 VAC, 50/60Hz
- **Operating temperature:** -40°C to +65°C (-40°F to +149°F)
- **Ethernet:** 10/100/Gb Ethernet
- **Wired and WIFI for connectivity/control**
- **Wireless protocol:** 2.4 GHz wireless mesh network
- **Maximum nodes:** 120
- **Dimensions (WxDxH):** 323.5mm x 382mm x 538.84mm
  - 13.09" x 15" x 21.214"
- **Quick disconnect:** This device must be connected to a quick disconnect device, such as a circuit breaker

All values typical unless otherwise stated (tolerance +/- 10%)
*Nodes = fixtures and sensors

**Certifications & Ratings**
- 5 year warranty
- IP66
- EN 55032
- EN 55016-2-1
- EN 55016-2-3
- EN 61000-3-2
- EN 61000-3-3
- EN 61000-4-2
- EN 61000-4-3
- EN 61000-4-4
- EN 61000-4-5
- EN 61000-4-6
- EN 61000-4-11
- EN 61347-2-11+C1
- EN 61347-1+A1

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
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<tr>
<td>GAUW24AG</td>
<td>Gateway (GW), wireless controller</td>
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</tbody>
</table>

**WARNING - INSTALLATION & SECONDARY RETENTION.** Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.
The Enterprise Server offers the flexibility for complete site-wide lighting management through an easy to use web interface.

Certifications & Ratings
- 2 year warranty
- EN 55024:2010
- EN 61000-6-2:2005

### Technical Specifications:

- **Weight:** 1.6 kg (3.5 lbs)
- **Shipping weight:** 2.2 kg (4.9 lbs)
- **Operating voltage:** 19.2-28.8 VDC, 65W
- **Operating temperature:** 0°C to +50°C (+32°F to +122°F)
- **Ethernet:** 10/100/Gb Ethernet
- **Wireless protocol:** 2.4 GHz wireless mesh network
- **Memory (RAM/SSD):** 8 GB DDR3 / 250 GB mSATA
- **Dimensions (WxDxH):** 162mm x 146.2mm x 49mm
  - 6.4" x 5.75" x 1.93"

All values typical unless otherwise stated (tolerance +/- 10%)

### Ordering Information

<table>
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<tr>
<th>Part Number</th>
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<tbody>
<tr>
<td>DACN825AP</td>
<td>Enterprise Server (ES), with wired communication to Gateway</td>
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</tbody>
</table>

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Occupancy Sensor

Technical Specifications:
- Weight: 250 g (8.8 oz)
- Shipping weight: 0.7 kg (1.5 lbs)
- Operating temperature: -40°C to +60°C (-40°F to +140°F)
- Power input: 2x “AA” lithium batteries 1.5V
- Mounting: Ceiling or walls at least 900mm to 1500mm (3’ to 5’) height off the ground
- Estimated battery life: 2-5 years (based on usage)
- Radio frequency: 2.4GHz
- Dimensions (DxH): 125mm x 63.5mm (5” x 2.5”)
- Sensing area: Wide angle - 20°-30°, 1,250 sq ft, 120°
  Long range - 100’ max, 7,600 sq ft, 10°
- Sensing technology: Passive infrared
- Housing: Grey polycarbonate
- Lens: Diffused high density polyethylene

Certifications & Ratings
- 5 year warranty
- IP66
- EN 61347-1:2015
- EN 61000-3-2:2014
- EN 61000-3-3:2013

Ordering Information

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<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>WOSU22BG2</td>
<td>Occupancy Sensor, battery powered sensor - wide angle</td>
</tr>
<tr>
<td>WOSU12BG2</td>
<td>Occupancy Sensor, battery powered sensor - long range</td>
</tr>
</tbody>
</table>

Reduce run time and maximize cost savings with standalone battery powered occupancy sensors in standard or wide angle options.

Green LED:
- Green LED1 flashes one time when motion is detected.
- Indicates battery voltage above 2.7 Volts.
- Green LED flashes twice every 5 seconds while searching for a network connection.

Red LED:
- A single red LED3 flashes indicates motion detected and low battery voltage below 2.7 Volts.

Reset Button:
- Resets the processor.

LED On/Off Switch:
- Located on bottom of sensor board, it will turn the LED indicators ON or OFF.

Leave Button:
- Push and hold for 5 seconds to force sensor to leave its gateway.

Join Button:
- Push and hold for 5 seconds. Sensor will double blink while trying to join a gateway. Sensor will stop blinking if it doesn’t join a gateway within 30 minutes.

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Daylight Harvesting Sensor

Reduce run time and maximize cost savings with standalone AC wired daylight harvesting sensors to control light levels.

Certifications & Ratings
- 5 year warranty
- EN 61347-1:2015
- EN 61347-2-1:2001 + C1:2001
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- EN 55015:2013

Technical Specifications:
- Weight: 238 g (10 oz)
- Shipping weight: 0.7 kg (1.5 lbs)
- Operating voltage: 100-277 VAC, 50/60Hz, 100mA max.
- Operating temperature: -25°C to +65°C (-13°F to +149°F)
- Mounting: Ceiling or walls at least 1500mm (5') height from the ground away from direct sunlight or obstructions
- Radio frequency: 2.4GHz
- Object detection: Light
- Dimensions (DxH): 125mm x 63.5mm
- Housing: Grey polycarbonate
- Lens: Polycarbonate

All values typical unless otherwise stated (tolerance +/- 10%)

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<table>
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<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>DLHU124UG2</td>
<td>Daylight Harvesting Sensor, standalone, AC wired sensor</td>
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EMEA Technical Centre
Ejby Industriøvej 91 B
2600 Glostrup
Tel: +45 8877 4545 (Denmark)
Tel: +44 1638 666541 (UK)
Tel: +49 69 12089 5713 (Germany)
Tel: +33 3 23 22 62 58 (France)
sales-europe@dialight.com

Middle East
205, Clover Bay Tower,
Al Abraj Street, Business Bay
P.O. Box 123997 Dubai, U.A.E.
Tel: +971 (4) 818 31 56

Southeast Asia
33 Ubi Avenue 3
#07-72 Vertex (Tower A)
Singapore 408868
Tel: +65 6578 7157
Fax: +65 6578 7150
enquiry@dialight.com.sg

Australia
108 Howe Street
Osborne Park, WA 6017
Tel: +61 (0) 8 9244 7600
Fax: +61 (0) 8 9244 7601
info@dialight.com.au

Brazil
Alameda Mercurio,
225 – American Park Empresarial NR
Indaiatuba – SP – 13347– 662
Tel: +55 (19) 3113-4300
Fax: +55 (19) 3113-4300
brasil@dialight.com

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