



# LED WAFER WITH NIGHT LIGHT

## JBR-NL series

► **DESIGN** - LED WAFER WITH NIGHT LIGHT features a 2000K glow for soft nighttime visibility. Trim-edge illumination creates ambiance without overpowering the room. Includes J-box, plug & twist connector, and spring clips for quick installation. Works on 120V circuits with triac dimming

► **VARIETY** - Available in 4-inch and 6-inch round shapes, this fixture comes in White and Black finishes to complement any design preference.

► **MEMORY FUNCTION** - Wafer with night light includes a memory function that ensures the light always starts in downlight mode. If multiple fixtures fall out of sync, switch them off and back on after 1–5 seconds to restore uniform operation.

► **FUNCTIONS** - The fixture supports two modes: main light and 2000K night light. Switching is controlled by power cycling. Choose from 2700K–5000K color temperatures. Both modes are dimmable via standard or dimmer switches, with smooth triac dimming from 10% to 100%.

► **INSTALLATION** - This fixture is IC rated so there is no can or any other housing required. It is also Wet location rated for added versatility.

► **ADVANTAGES** - With a lifespan of 54,000 hours, these fixtures are made to last decades under normal operation! ASD provides a 5-year limited warranty along with ETL, Energy Star and T24 certifications to guarantee top quality products and safety!



## PRODUCT PRESENTATION:

| Model                | Size   | Power    | Voltage | Dimming | Lumens  | CCT                                                    | Finish | Package type | Dimensions                 | Certification             |
|----------------------|--------|----------|---------|---------|---------|--------------------------------------------------------|--------|--------------|----------------------------|---------------------------|
| ASD-JBR-NL-4D9WH-6P  | 4 inch | 9 W+3 W  | 120V    | Triac   | 782lm   | 2,700K/3,000K/3,500K/4,000K/5,000K+2,000K(Night Light) | White  | 6 pack       | 4-15/16" x 4-15/16" x 7/8" | ETL(5029309), ES,T24, JA8 |
| ASD-JBR-NL-4D9BK-6P  | 4 inch | 9 W+3 W  | 120V    | Triac   | 782lm   | 2,700K/3,000K/3,500K/4,000K/5,000K+2,000K(Night Light) | Black  | 6 pack       | 4-15/16" x 4-15/16" x 7/8" | ETL(5029309), ES,T24, JA8 |
| ASD-JBR-NL-6D12WH-6P | 6 inch | 12 W+3 W | 120V    | Triac   | 1,071lm | 2,700K/3,000K/3,500K/4,000K/5,000K+2,000K(Night Light) | White  | 6 pack       | 6-7/8" x 6-7/8" x 7/8"     | ETL(5029309), ES,T24, JA8 |
| ASD-JBR-NL-6D12BK-6P | 6 inch | 12 W+3 W | 120V    | Triac   | 1,071lm | 2,700K/3,000K/3,500K/4,000K/5,000K+2,000K(Night Light) | Black  | 6 pack       | 6-7/8" x 6-7/8" x 7/8"     | ETL(5029309), ES,T24, JA8 |

## TECHNICAL PARAMETERS:

| Model                | Work environment | Operating temperature        | Power factor | Beam Angle | Surge protection | Housing  | Lens | CRI |
|----------------------|------------------|------------------------------|--------------|------------|------------------|----------|------|-----|
| ASD-JBR-NL-4D9WH-6P  | Wet location     | -4°F to 113°F(-20°C to 45°C) | >0.9         | 112°       | 2kV              | Aluminum | PS   | >90 |
| ASD-JBR-NL-4D9BK-6P  | Wet location     | -4°F to 113°F(-20°C to 45°C) | >0.9         | 112°       | 2kV              | Aluminum | PS   | >90 |
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## ORDERING INFORMATION

| Model                | Product dimensions         | Weight         | Pcs. (pack) per carton | Carton size             | Carton weight | UPC         | GTIN 14        |
|----------------------|----------------------------|----------------|------------------------|-------------------------|---------------|-------------|----------------|
| ASD-JBR-NL-4D9WH-6P  | 4-15/16" x 4-15/16" x 7/8" | 3.6 lbs(1.7kg) | 2                      | 13.58" x 12.68" x 6.50" | 9.5 lbs       | 81019020202 | 10810190202026 |
| ASD-JBR-NL-4D9BK-6P  | 4-15/16" x 4-15/16" x 7/8" | 3.6 lbs(1.7kg) | 2                      | 13.58" x 12.68" x 6.50" | 9.5 lbs       | 81019020200 | 10810190202002 |
| ASD-JBR-NL-6D12WH-6P | 6-7/8" x 6-7/8" x 7/8"     | 4.9 lbs(2.2kg) | 2                      | 17.24" x 7.68" x 8.46"  | 12.1 lbs      | 81019020206 | 10810190202064 |
| ASD-JBR-NL-6D12BK-6P | 6-7/8" x 6-7/8" x 7/8"     | 4.9 lbs(2.2kg) | 2                      | 17.24" x 7.68" x 8.46"  | 12.1 lbs      | 81019020204 | 10810190202040 |

## ACCESSORIES:

| Model       | Product dimensions           | Pcs. per carton | Carton size        | Carton weight | UPC          | GTIN 14        |
|-------------|------------------------------|-----------------|--------------------|---------------|--------------|----------------|
| ASD-EMK-JBR | 9-15/16" x 2-13/16" x 1-3/8" | 10              | 7.7" x 6.1" x 5.3" | 1.8 lbs       | 810128110471 | 10810128110478 |

For most up-to-date spec sheets please refer to [asd-lighting.com](http://asd-lighting.com)

**ASD LIGHTING CORP**

E-mail: [orders@asd-lighting.com](mailto:orders@asd-lighting.com) | Web site: [www.asd-lighting.com](http://www.asd-lighting.com)





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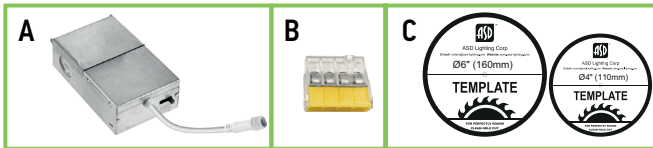
## JBR-NL series

### DIMMING COMPATIBLE CONTROLS:

| Brand  | Lutron     |              |             | Leviton       |
|--------|------------|--------------|-------------|---------------|
| Models | CT-600PR   | MSCL-OP153MH | DVWCL-153PH | R00-RNL06-TW  |
|        | TGCL-153PR | MA-RR        | DVCL-153PR  | R50-IPL06-10M |
|        | SCL-153PR  | P-PKG1W-WH-R | MACL-153MH  |               |

### PACKAGE CONTENTS:

| Description                | QUANTITY |
|----------------------------|----------|
| LED WAFER WITH NIGHT LIGHT | 6        |
| J-Box driver (A)           | 6        |
| Connector (B)              | 18       |
| Template for 4, 6 inch (C) | 1        |
| Box                        | 1        |

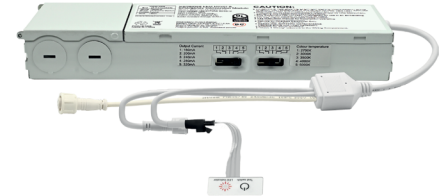


### ACCESSORY COMPATIBILITY LIST:

| Models                                          | ASD-JBR-NL-4D9WH | ASD-JBR-NL-4D9BK | ASD-JBR-NL-6D12WH | ASD-JBR-NL-6D12BK |
|-------------------------------------------------|------------------|------------------|-------------------|-------------------|
| Accessories                                     |                  |                  |                   |                   |
| Plug-in battery back-up kit 3.5W<br>ASD-EMK-JBR | •                | •                | •                 | •                 |

### ACCESSORIES (sold separately):

#### Plug-in Battery back-up kit 3.5W ASD-EMK-JBR



## PLUG-IN BATTERY BACK-UP KIT INFORMATION

### ASD-EMK-JBR sold separately:

| Size and power | Series    | Cable | mA  |
|----------------|-----------|-------|-----|
| 4inch 12 W     | JBR, JBRB | FT1   | 280 |
| 6inch 15 W     | JBR, JBRB |       | 240 |

Color temperature (CCT) selection and output current must be chosen according to the fixture type and the table supplied with the product.

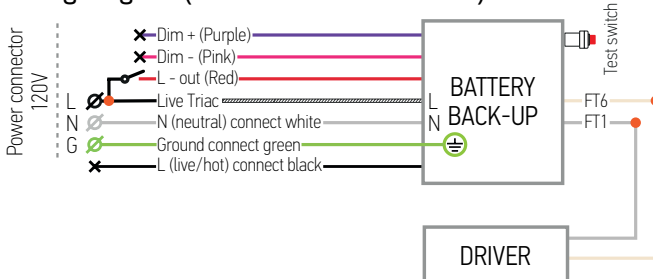
### USAGE / OPERATION

**Important:** Please charge the battery for more than 24 hours on first use to activate all battery cells and ensure normal charge/discharge duration.

| Button                                                                              | Remarks     |
|-------------------------------------------------------------------------------------|-------------|
|  | Charging    |
|  | Discharging |
|  | Fault       |

-Charging (AC power ON): Red indicator ON.  
-Discharging / Emergency Mode (AC power OFF): Red indicator OFF.  
-Emergency power failure: fixture does not operate when emergency supply fails.

### Wiring diagram (120V AC Triac dimmable)



### SWITCH TEST PROCEDURE:

1. When the main power supply is connected and the unit is in normal mode, press the test button to switch to emergency mode.
2. If the test button is not pressed, the unit remains in charging mode.
3. In emergency mode, press and hold the test button for 3 seconds to exit emergency mode. Battery maintenance: charge-discharge at least once every three months to maintain battery life. Do not leave the battery idle or continuously charging for more than 6 months.

### INSTALLATION PLUG-IN BATTERY BACK-UP KIT

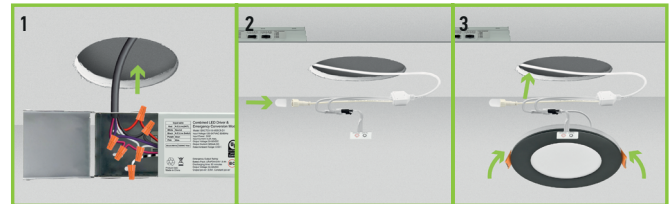
#### ASD-EMK-JBR sold separately:

1. Turn off power before installation and remove any existing fixtures. Open the emergency power supply cover, remove the required knockout on the side panel, install a suitable cable clamp (not included), feed the power cable through it, and connect the wires.

**For Triac dimming:** red to red, white to white, black & white to black & white. Cap the remaining wires.

2. Insert the emergency power supply into the mounting hole and secure it. The hole must be larger than 3-1/8 inches or the unit will not fit. Connect the fixture power cable to the emergency power supply.

3. Remove the adhesive backing from the indicator light and attach it to the fixture surface. Push the spring clips in to the mounting hole and insert the fixture; it will sit flush with the ceiling. Restore power and press the test switch to verify operation.



For most up-to-date spec sheets please refer to [asd-lighting.com](http://asd-lighting.com)

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JBR-NL series

## INSTALLATION GUIDE

### IMPORTANT SAFETY INFORMATION:

Please read all the instructions below before installation!

- ▶ Make sure that the supply voltage corresponds to the rated product voltage.
- ▶ The product must be installed by a qualified electrician in accordance with the National Electrical Code and corresponding local codes.
- ▶ If the product is damaged, do not use it.

### ⚠ WARNING

**Risk of personal injury** – read and follow all warnings and installation instructions. Keep or give to the owner for future reference.

**Risk of cuts:** Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing, and maintaining this product.

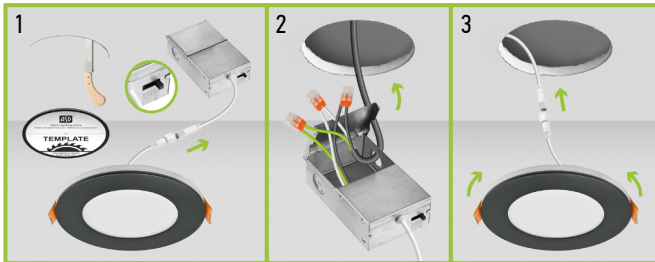
**Risk of electric shock:** This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

**Risk of Fire:** Minimum 194°F supply conductors. Consult a qualified electrician to ensure correct branch circuit conductor.

ASD® assumes no responsibility for claims arising out of improper or careless Installation or handling of this product.

### INSTALLATION STEPS:

1. Use template to cut an appropriate sized hole. Disconnect the fixture from the junction box. Choose needed color temperature by adjusting the switch. Close the junction box.
2. Open junction box. Connect the wires: Black to Black, White to White, Copper to Green. Secure the connection with quick connector.
3. Insert the junction box into the cut hole, leaving the connection cable outside. Connect the fixture to the Junction box inserting the cable and securing it with a cap. Push the spring loaded clips upwards and insert the fixture base in to the mounting hole. Release the clips, so the fixture fits securely.



### NIGHT LIGHT SETTINGS:

#### 1. TWO LIGHTING MODES

Fixture offers two modes: main light with full brightness (2700K–5000K) and night light with soft 2000K glow for gentle nighttime illumination.

#### 2. EASY MODE SWITCHING

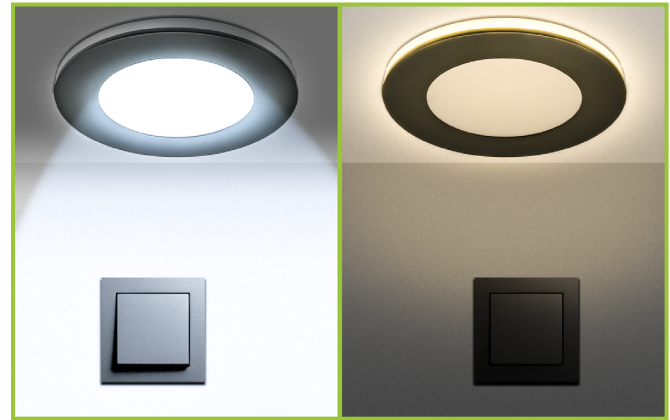
Switching between modes is done via power cycling—turn the fixture off and on to toggle.

#### 3. AUTOMATIC MEMORY

The light always starts in main light mode when powered on.

#### 4. SYNC FUNCTION

If multiple fixtures fall out of sync, turn them off and back on within 1–5 seconds to restore uniform operation.



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