2016
LG Lighting Catalog
CONTENTS

LG Electronics: A History of Innovation
The LG Lighting Difference

Performance Troffer
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Simple Choice High Bay
Commercial Retrofit Downlight
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Retrofit Board & Driver Kit
Smart Multi Sensor
Wireless Scheduling Switch

LG Wireless Control
LG SENSOR CONNECT
Commercial Term and Conditions
Since 1947, LG Electronics has enjoyed a legacy of innovation, developing exceptional products that meet customers' needs while exceeding their expectations. LG has brought that expertise to LED lighting, offering designers, property owners, and contractors versatile retrofit options while assuring significant energy savings and fast payback with long-term return on investment.


LG Lighting

The LG Lighting Difference

LG is focused on driving profitability and payback in your retrofit project. That means increasing the return on investment with the highest efficacy troffers listed on the DLC. That efficiency pays back both in terms of reduced energy consumption and improved incentive eligibility. Improving payback is also about reducing first install costs by making installation easier. LG is also focused on protecting your project budget and timeline by delivering products that meet rigorous quality controls using a vertically integrated supply chain.

LG Value
Rapid payback with high efficiency

LG Technology
ZigBee® wireless embedded

LG Vertical Integration
Unmatched supply chain reliability

LG Quality
Rigorous quality control standards

LG Design
Superior light performance and aesthetics
Performance Troffer with sensor connect option

Features
- Available in T-Bar lay-in, retrofit and emergency back types.
- Retrofit versions can be installed in 5-7 minutes, retaining the bad frame of the existing luminare.
- High system efficacy up to 133 lm/W.
- Diffuser with large luminous area provides soft light and visual comfort.
- Standard 0-10 V dimming.
- Integral lighting control ready (ZigBee®).
- Integral emergency backup fixture available.
- Lumen maintenance of L85 at 50,000 hours.
- 5-year warranty.
- Made in USA.

Product details
Quick upgrade solution (retrofit fixture)
Retrofit fixtures can be installed simply in 5-7 minutes, using mounting brackets that attach to the existing housing. The retrofit solution saves on labor costs, while delivering the aesthetics and light performance of a brand new LED fixture.

Occupy sensing & daylight harvesting
- Home-automation or mounting for sensors.
- Wireless control.
- Pre-programmed optimal values.
- Sensor's capabilities.
  - Standalone Mode
  - Multi Sensor Light Level can be modified to the following:
    - Press Light level button x1 = Max.: 100%, Mid.: 60%, Min.: 0%
    - Press Light level button x2 = Max.: 80%, Mid.: 40%, Min.: 0%
    - Press Light level button x3 = Max.: 60%, Mid.: 20%, Min.: 0%
  - Sensor Connect (commissioned with App).
  - Pir or light level button 3rd party Zigbee Control Software.
  - Full range dimming using LG App, LG wireless switch or 3rd party 0-10 V dimmer.

Specifications & Ordering Information

Photometrics

<table>
<thead>
<tr>
<th>Zonal lumen summary</th>
<th>Zonal lumen summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'X2'</td>
<td>2'X4'</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Compliance

T-Bar lay-in fixture
- cULus Listed to UL 1598, suitable for damp location use.
- DesignLights Consortium qualified products.
- Based on photometric testing consistent with IES LM-79.
- DLC (Federal Law)

Retrofit fixture
- cULus Listed to UL 1598, suitable for damp location use
- DesignLights Consortium qualified products.
- Based on photometric testing consistent with IES LM-79.
- DLC (Federal Law)
**Simple Choice Troffer** with sensor connect option

### Features
- System efficacy up to 132 lm/W
- Standard 0-10 V dimming
- Wireless lighting control ready (ZigBee®)
- Sensor-embedded occupancy sensing & daylight harvesting models are available for additional energy savings
- Lumen maintenance of L78 at 50,000 hours
- 5-year warranty

### Product details
- **Occupancy sensing & daylight harvesting**
  - Non-directing or mounting-free sensor
  - Wireless control
  - Pre-programmed optimal settings
  - Sensor's capabilities:
    - Standalone Mode
    - Multi Sensor Light Level can be modified to the following:
      - Press Light Level button 1: Max: 100%, Mid: 60%, Min: 0%
      - Press Light Level button 2: Max: 80%, Mid: 40%, Min: 0%
      - Sensor Connect: (commissioned with App)
        - Full-range dimming using LG App
        - Standalone Mode
        - Multi Sensor Light Level can be modified to the following:
          - Full-range dimming using LG App
          - 3rd party ZigBee Control Software
          - Full-range dimming

- **Rugged housing**
  - The rugged housing does not easily get distorted when handled and the matt finish prevents fingerprints.

- **Soft light**
  - When looking directly at the luminaire, the light is soft with low glare.

### Photometrics

#### Simple choice / SENSOR CONNECT

<table>
<thead>
<tr>
<th>Model</th>
<th>Model Code (2.5 in. code)</th>
<th>Lumen</th>
<th>CRI</th>
<th>Input voltage</th>
<th>CCT (°)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F3040TCU001</td>
<td>(LGE-1X4SC-40-35-4000-TB)</td>
<td>4000</td>
<td>90</td>
<td>120 - 277</td>
<td>4000</td>
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<tr>
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<td>2500</td>
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<td>120 - 277</td>
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</tbody>
</table>

### Specifications & Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Model Code (2.5 in. code)</th>
<th>Lumen</th>
<th>CRI</th>
<th>Input voltage</th>
<th>CCT (°)</th>
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<td>F3040TCU001</td>
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<td>3200</td>
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<tr>
<td>F2415TCU001</td>
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<td>1500</td>
<td>65</td>
<td>120 - 277</td>
<td>1500</td>
</tr>
</tbody>
</table>

### Compliance
- cETLus Listed to UL 1598, suitable for damp location use (2'X4' / 2'X2')
- cETLus Listed to UL 1598, suitable for damp location use (1'X4')
- DesignLights Consortium qualified products
- Based on photometric testing consistent with IES LM-79
Performance High-Bay (IP65)

**Features**
- Easy installation with 9.0 lb light weight and various mounting options
- Various mounting options
- Fast heat transfer with pure aluminum and dual layer structure
- Long lifetime with outstanding durability
- High efficacy up to 108 lm/W
- IP65, suitable for damp location use
- Maximized energy saving by IP65 Multi Sensor (option)
- Occupancy & daylight sensor
- Simply set-up with LG SENSOR CONNECT System or plug-and-play
- T emperature profile

**Product details**
- Various mounting options
- Light weight 9.0 lb (4.1 kg)
- IP65 rating

**Features**
- Easy installation with 9.0 lb light weight and various mounting options
- Various mounting options
- Fast heat transfer with pure aluminum and dual layer structure
- Tempered glass & front PET sheet

**Performance High-Bay (IP65)**

**Light weight**
- 9.0 lb (4.1 kg)

**IP65 rating**
- Suitable for operation in ambient not exceeding 122 °F
- Based on photometric testing consistent with IES LM-79

**Compliance**
- cULus listed to UL 1998, suitable for damp location use
- DesignLights Consortium qualified products
- Suitable for operation in ambient not exceeding 122 °F
Features
- System efficacy up to 104 lm/W
- Precision optics – medium and wide distribution
- Steel housing, powder-coating
- Product carabiners for easy connection
- Wireless lighting control ready (ZigBee®)
- Plug-and-play motion sensor
- Ambient operating temperature: -22 °F to 104 °F
- 230 W: L85 at 50,000 hours, 120 W: L76 at 50,000 hours

Product details
Easy installation
Factory included carabiner, mount the fixture easily to a chain

Light weight
Light weight ensures easy handling and installation

Motion sensor
- Easy plug-and-play motion sensor
- Adjustable time delay and dimming level

Specifications & Ordering Information

Compliance
- cULus listed to UL 1598, suitable for damp location use
- DesignLights Consortium qualified products
- Based on photometric testing consistent with IES LM-79
- Suitable for operation in ambient not exceeding 104 °F
Commercial Retrofit Downlight

**Features**
- High efficacy of 90 lm/W
- Aluminum reflector & trim
- Mounts into existing recessed frame
- Easy disconnect for easy installation
- Wireless lighting control ready (ZigBee®)
- Enabled Smart Multi Sensor
- Lumen maintenance of L85 at 50,000 hours

**Product details**
**Wireless Dimming (Optional)**
(Only for wireless ready) Remove the dongle cover on the driver then insert the LG wireless module connected to LG Multi Sensor.

* When using wireless dimming function, 0-10 V dimming will not be served.
* 0-10 V dimming should be removed.

**Specifications & Ordering Information**

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Type Code</th>
<th>Model Code</th>
<th>Input Power</th>
<th>Luminous Flux</th>
<th>Efficacy</th>
<th>CCT</th>
<th>CRI</th>
<th>Beam Angle</th>
<th>Input Voltage</th>
<th>Input Frequency</th>
<th>Power Factor</th>
<th>Dimensions</th>
<th>Weight</th>
<th>Operating Temp.</th>
<th>Life Span</th>
<th>Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial</td>
<td>Retrofit</td>
<td>Downlight</td>
<td>D1635RH8161.ACWB000</td>
<td>16 W, 4000 K</td>
<td>1450 lm</td>
<td>90</td>
<td>3500</td>
<td>40°</td>
<td>16-277</td>
<td>50-60</td>
<td>≥ 0.9</td>
<td>Ø7.1 X 4.0</td>
<td>1.87 lb (0.85 kg)</td>
<td>-4 ~ 110°F (-20 ~ 40°C)</td>
<td>50,000 (L85)</td>
<td>0-10 V (ZigBee ready)</td>
</tr>
<tr>
<td>D2235RH7181.ACWB000</td>
<td>22 W, 4000 K</td>
<td>2000 lm</td>
<td>90</td>
<td>3500</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>50-60</td>
<td>0-10 V</td>
<td>0-10 V</td>
<td>2.02 lb (0.92 kg)</td>
<td>Ø8.7 X 4.4</td>
<td>116 lb (52.7 kg)</td>
<td>-4 ~ 110°F (-20 ~ 40°C)</td>
<td>50,000 (L85)</td>
<td>0-10 V (ZigBee ready)</td>
</tr>
</tbody>
</table>

**Compliance**
- cETLus Listed and Classified to UL 1598 and 1598c, suitable for damp location use
- Satisfied ENERGY STAR program requirements for luminaires
- IC-rated for direct contact with insulation
- Based on photometric testing consistent with IES LM-79
### T8 Tube Retrofit Kits 2-Lamps & 1-Driver System

#### Features

- **LED tube with a dedicated remote driver**
- Better reliability and longer lifetime than LED tubes with internal drivers.
- **System efficacy up to 117 lm/W**
- Wide beam angle (the angle light reaches is 270°)
- Standard 0-10 V dimming
- **Wireless lighting control ready** (ZigBee®)
- Lumen maintenance of L85 at 50,000 hours.

#### Compliance

- **LED retrofit luminaire conversion kit:** cULus Classified to UL 1598C, suitable for damp location use.
- **LED Tube:** cULus recognized to UL 9993, suitable for damp location use.
- **Driver:** cULus recognized to UL 8750, suitable for damp location use.
- **DesignLights Consortium qualified products.**
- Based on photometric testing consistent with IES LM-79.
- **DOE Energy Conservation Standards for External Power Supplies**

#### Photometrics

<table>
<thead>
<tr>
<th>Beam Angle</th>
<th>CCT</th>
<th>Power factor</th>
<th>Operating Temperature</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-20</td>
<td>6700</td>
<td>0.9</td>
<td>0-40 °C</td>
<td>1.1&quot; (Ø27.8)</td>
<td>0.4 (0.15)</td>
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<tr>
<td>20-30</td>
<td>6200</td>
<td>0.9</td>
<td>0-40 °C</td>
<td>1.1&quot; (Ø27.8)</td>
<td>0.4 (0.15)</td>
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<tr>
<td>30-40</td>
<td>5700</td>
<td>0.9</td>
<td>0-40 °C</td>
<td>1.1&quot; (Ø27.8)</td>
<td>0.4 (0.15)</td>
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<tr>
<td>40-50</td>
<td>5200</td>
<td>0.9</td>
<td>0-40 °C</td>
<td>1.1&quot; (Ø27.8)</td>
<td>0.4 (0.15)</td>
</tr>
<tr>
<td>50-60</td>
<td>4700</td>
<td>0.9</td>
<td>0-40 °C</td>
<td>1.1&quot; (Ø27.8)</td>
<td>0.4 (0.15)</td>
</tr>
<tr>
<td>60-70</td>
<td>4200</td>
<td>0.9</td>
<td>0-40 °C</td>
<td>1.1&quot; (Ø27.8)</td>
<td>0.4 (0.15)</td>
</tr>
<tr>
<td>70-80</td>
<td>3700</td>
<td>0.9</td>
<td>0-40 °C</td>
<td>1.1&quot; (Ø27.8)</td>
<td>0.4 (0.15)</td>
</tr>
<tr>
<td>80-90</td>
<td>3200</td>
<td>0.9</td>
<td>0-40 °C</td>
<td>1.1&quot; (Ø27.8)</td>
<td>0.4 (0.15)</td>
</tr>
<tr>
<td>90-100</td>
<td>2700</td>
<td>0.9</td>
<td>0-40 °C</td>
<td>1.1&quot; (Ø27.8)</td>
<td>0.4 (0.15)</td>
</tr>
</tbody>
</table>

### Specifications & Ordering Information

<table>
<thead>
<tr>
<th>Model code (US order code)</th>
<th>Unit length</th>
<th>Rated input</th>
<th>Efficacy</th>
<th>CCT</th>
<th>Beam Angle</th>
<th>CR</th>
<th>Test suite</th>
<th>Spacing creation (0-20)</th>
<th>Spacing creation (0-40)</th>
<th>Spacing creation (0-60)</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LGE-TUBE-17-40-1900-ED2</td>
<td>17</td>
<td>1900</td>
<td>111</td>
<td>4000</td>
<td>180</td>
<td>83</td>
<td>~277</td>
<td>200</td>
<td>320</td>
<td>500</td>
<td>Ø1.1X47.2 (Ø27.8X1,998)</td>
<td>0.4 (0.15)</td>
</tr>
<tr>
<td>LGE-TUBE-17-50-2000-ED2</td>
<td>2000</td>
<td>2000</td>
<td>117</td>
<td>5000</td>
<td>180</td>
<td>83</td>
<td>~277</td>
<td>200</td>
<td>320</td>
<td>500</td>
<td>Ø1.1X47.2 (Ø27.8X1,998)</td>
<td>0.4 (0.15)</td>
</tr>
</tbody>
</table>

#### Product details

**Installation**

- **Before**
  - 0-10 V Dimming Option
  - *Wire dimming function is included (0-10 V)*
  - *Be careful of the polarity for correct dimming control (Purple (+), Gray(GND))*
  - To dim the lamps, a compatible dimmer should be used.
  - *Compatible dimmer: NFTTV, DVT (Lutron)*

- **After**
  - **0-10 V Dimming Option**
  - **Wireless Dimming Option**
  - LG LED Retrofit Conversion Kit is compatible with the Daintree ControlScope™ system based on ZigBee® standard protocol.
  - *ZigBee Ready (LGE-TUBE-DRIVER-2TUBE-2)*

#### Observed data

- Test: T17W 4000K (1 lamp)
- Lumen: 1900 lm
- Spacing creation (0-180): 1.22
- Spacing creation (0-270): 2.02
Retrofit Board & Driver Kit

**Features**

- Simple retrofit solution for typical 2’ or 4’ troffers
- Efficacy up to 130 lm/W (light source level)
- Standard 0-10 V dimming
- Wireless lighting control ready (ZigBee®)
- Lumen maintenance of L85 at 50,000 hours
- 5-year warranty

**Zonal lumen summary**

<table>
<thead>
<tr>
<th>Zone</th>
<th>Lumens</th>
<th>% Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-20</td>
<td>534</td>
<td>12.5</td>
</tr>
<tr>
<td>0-30</td>
<td>1140</td>
<td>26.6</td>
</tr>
<tr>
<td>0-40</td>
<td>1880</td>
<td>43.9</td>
</tr>
<tr>
<td>0-60</td>
<td>3370</td>
<td>78.7</td>
</tr>
<tr>
<td>0-80</td>
<td>4208</td>
<td>98.3</td>
</tr>
<tr>
<td>0-90</td>
<td>4280</td>
<td>100.0</td>
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**Specifications & Ordering Information**

<table>
<thead>
<tr>
<th>Model</th>
<th>Input Power (W)</th>
<th>Delivered Light Output (lm)</th>
<th>Efficacy (lm/W)</th>
<th>CCT (K)</th>
<th>CRI</th>
<th>Beam Angle (°)</th>
<th>UGR (0°)</th>
<th>Input Voltage (Vac)</th>
<th>Power Factor</th>
<th>Operating Temperature (°F)</th>
<th>Dimension (inch)</th>
<th>Weight (lb)</th>
<th>Controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRR634D1HZZ.BUAAWAA</td>
<td>34</td>
<td>4240</td>
<td>125</td>
<td>3000</td>
<td>≤20</td>
<td>1.28</td>
<td>60°</td>
<td>≤19</td>
<td>≤0.9</td>
<td>-4 ~ 122</td>
<td>21.7X1.2 (551X30)</td>
<td>1.4 (0.6)</td>
<td>0-10 V</td>
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<td>FRR634D2HZZ.BUAAWAA</td>
<td>34</td>
<td>4280</td>
<td>125</td>
<td>3500</td>
<td>≤20</td>
<td>1.28</td>
<td>0°</td>
<td>≤0.9</td>
<td>0-10 V (ZigBee ready)</td>
<td>20.0X1.9 (508X30)</td>
<td>1.1 (0.5)</td>
<td>0-10 V</td>
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<td>FRR634D3HZZ.BUAAWAA</td>
<td>34</td>
<td>4420</td>
<td>130</td>
<td>4000</td>
<td>≤20</td>
<td>1.28</td>
<td>0°</td>
<td>≤0.9</td>
<td>0-10 V (ZigBee ready)</td>
<td>20.0X1.9 (508X30)</td>
<td>1.1 (0.5)</td>
<td>0-10 V</td>
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<td>3500</td>
<td>≤20</td>
<td>1.28</td>
<td>0°</td>
<td>≤0.9</td>
<td>0-10 V (ZigBee ready)</td>
<td>20.0X1.9 (508X30)</td>
<td>1.1 (0.5)</td>
<td>0-10 V</td>
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<td>130</td>
<td>4000</td>
<td>≤20</td>
<td>1.28</td>
<td>0°</td>
<td>≤0.9</td>
<td>0-10 V (ZigBee ready)</td>
<td>20.0X1.9 (508X30)</td>
<td>1.1 (0.5)</td>
<td>0-10 V</td>
<td></td>
</tr>
</tbody>
</table>

**Compliance**

- Retrofit Board & Driver Kit: cULus classified to UL 1598C, suitable for damp location use
- Driver: cULus recognized to UL 8750, suitable for damp location use
- DesignLights Consortium qualified products
- Based on photometric testing consistent with IES LM-79

**Product details**

Easy installation

1. Remove lens frame and existing fluorescent tubes and ballast
2. Install LED boards and driver
3. Re-install lens frame, turn power back on

**Kit includes**

- 2 LED boards for 2’X2’ or 4 LED boards for 2’X4’
- Driver
- Driver screw
- Mounting tape on the back that allows the installer to ensure alignment during screw-in installation
- UL 1598C certification label
- Installation manual
Smart Multi Sensor

Features
- Maximized energy saving with daylight harvesting and motion detecting
- Occupancy detection automatic on/off/dimming
- Useable to max. 11.5ft (3.5m) high ceiling
- Individual or Group control

Wireless Scheduling Switch

Features
- Energy saving with automatic scheduling
- Zigbee® wireless communication
- Real time clock & back-up battery embedded for durability of scheduling
- 0.49 inch (1.25cm) slim & sleek design
- Zigbee® wireless communication
- AAA alkaline battery type (easy replacement)

Specifications & Ordering Information

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Model Code</th>
<th>Input Power</th>
<th>Voltage</th>
<th>Frequency</th>
<th>Mounting</th>
<th>Height</th>
<th>Dimension</th>
<th>Weight</th>
<th>Operating Temp</th>
<th>IP Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smart Multi-sensor</td>
<td>9SD131VVDA.ALWB000</td>
<td>0.2</td>
<td>3.3</td>
<td>2,405 ~2,480</td>
<td>Max 11.5 (3.5)</td>
<td>0.8x2.0x0.7 (20x50x17)</td>
<td>0.4 (10)</td>
<td>-4 ~ 122 (20 ~ 50)</td>
<td>20 Zigbee</td>
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<td>Zigbee Dongle</td>
<td>9CM2315VD2.AWP01U</td>
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<td>3.3</td>
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<td>Max 11.5 (3.5)</td>
<td>0.8x2.0x0.7 (20x50x17)</td>
<td>0.2 (5)</td>
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<td>Clip for Tube</td>
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Specifications & Ordering Information

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<tr>
<th>Product Type</th>
<th>Model Code</th>
<th>Input Power</th>
<th>Voltage</th>
<th>Frequency</th>
<th>Mounting</th>
<th>Height</th>
<th>Dimension</th>
<th>Weight</th>
<th>Operating Temp</th>
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<tr>
<td>Wireless Scheduling Switch</td>
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<td>Max 964 (30)</td>
<td>4.6X2.0X0.49 (12X7X12.5)</td>
<td>20 (5R) (Without Battery)</td>
<td>-4 ~ 122 (20 ~ 50)</td>
<td>10 Zigbee</td>
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</tbody>
</table>
LG Wireless Control

Benefits of wireless lighting control

Although lighting control solutions have been proven to significantly reduce lighting energy consumption, many parts of commercial building market have been hesitant due to cost, complexity and applicability. However, new wireless technologies are eliminating these concerns, while expanding the lighting control capabilities.

Removing the wires

A new generation of lighting control systems is reducing cost and eliminating complexity concerns by removing the dedicated control wiring.

Flexibility

Instead of placing controls, where wiring permits, building owners are free to place controls, whenever they are needed to improve building performance. In the need for a space change, changes can be made at any point, or new device and control strategies added, simply by reprogramming.

Scalability

Once a wireless network is established, that network can grow to cover an ever-expanding area at low additional cost. Additional sensors, switches, and lights require minimal labor and disruption, and utilize the same wireless control system without the need to add a new control infrastructure.

Lighting control strategy

Lighting control manages and automates the delivery of the correct amount of light, where you want it, when you want it. Lights can automatically turn on/off or dim at set times, or under set conditions, and users can have control over their own lighting levels to provide optimal working conditions.

Scheduling

Turn on/off and dim lights at specific times during the day. For example, automatically turn lights on at the start of business hours, and off after workers leave at night.

Occupancy sensors

Detect when a room is occupied, to automatically turn lights on when someone enters, and off (or dim) shortly after they leave.

Daylight harvesting

Use photosensors to detect levels of natural lighting and automatically dim lights when sunlight is streaming into windows. This reduces energy use and provides consistent lighting levels.

Demand response

Utility companies frequently offer their customers incentives to encourage them to reduce energy consumption, especially at times of peak usage or when retail energy prices are high. Lighting control solutions can automatically respond to these events and reduce energy consumed by lighting to pre-set levels.

LG Lighting with ZigBee® wireless capability

LG Lighting is designed as a wireless-embedded system, which users can control wirelessly by simply inserting a compact communication dongle into the driver. By adopting ZigBee®, an open wireless protocol, the system not only works seamlessly with devices that use the same protocol, but also integrates with the control systems of solution providers like DaintreeNetworks.

Easy installation & scalability

Total control system with DaintreeNetworks

LG Electronics adopts ZigBee®, an open wireless protocol, so that the system not only works seamlessly with devices that use the same protocol, but also integrates with the control systems of solution providers like DaintreeNetworks.
LG SENSOR CONNECT

Benefits of LG SENSOR CONNECT
The LG SENSOR CONNECT system from LG Electronics meets the needs of small and medium-sized buildings that require a wireless lighting control solution but are constrained by cost. The system uses a ZigBee® wireless mesh control platform & sensors (occupancy sensing, daylight harvesting) embedded into luminaires, touting the exact same integration benefits with wireless lighting control solutions.

LG solves your problems
• Specifiers
  • Simple stand-alone system
• Installers (facility managers)
  • More-circuiting or new control wiring
  • Easy installation & maintenance
• Building owners
  • Saving installation & energy costs
  • Provide optimum lighting control

A new generation of much simpler lighting control system

Easy Installation
• Tool-less installation
• Simple set-up for the installer
• Flexible layout

Excellent Savings
• Occupancy and daylight sensing
• Automatic schedule control
• App reports real-time energy savings

Intuitive Operation
• Easy and convenient for the end user
• Manual or automatic on/off dimming
• Automated sensor control
• Remote monitoring & management

Simple yet powerful commissioning App
For office

How LG SENSOR CONNECT system works for open-plan office

01 The entire lighting group brighten to a background level when the first occupant is detected.
02 As each occupant arrives at their desk space, the luminaires in the immediate area brighten to task level while the remaining luminaires stay at a background level. In the meantime, automatic daylight harvesting occurs throughout the day.
03 When occupants leave their desk space, the luminaires in the immediate area dim to the background level.
04 The luminaires will turn off when no occupancy is detected from the entire lighting group.

For industry

LG solves your problems
• Specifiers
  • Simple stand-alone system • No re-circuiting or new control wiring
• Installers (facility managers)
  • Easy installation & maintenance
• Saving installation & energy costs
• Provide optimum lighting control

A new generation of much simpler lighting control system

Easy Installation
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04 The luminaires will turn off when no occupancy is detected from the entire lighting group.
**Commercial Term and Conditions**

**Terms**
- Credit accounts: Invoices payments are required to be paid in Net Thirty (30) Days.
- Each account: 100% balance of payment due before shipping.
- 1.5% monthly late charge can be imposed on all accounts past due in excess of thirty (30) days on the unpaid balance, except when prohibited by law.
- Customer may be held responsible for any fees arising from third party collection efforts.

**Orders**
- All freight claims for damaged or lost-in-transit material must be made directly to the carrier.
- All next day air shipments must be submitted in writing and received before 12 PM Eastern Time.
- Requests to ship partials must be submitted in writing and freight will be charged per each shipment.
- All shipments are subject to availability.
- Special freight handling, including international deliveries, must be submitted in writing to LGE.
- Damaged products will be credited less repair costs or at salvage value.
- Returned merchandise must be in original LGE packaging and deemed suitable for resale by LGE.
- Returns of new, uninstalled merchandise must be requested within 90 days of invoice date.
- LGE has the right to repair or replace any warranty item. LGE has the right to substitute any warranty item not in stock. Freight on returns will not be credited. Collect return shipments will not be accepted.
- All returns are subject to a possible restocking fee, with that fee being a maximum of 30% of the order.
- Return requests without prior written LGE authorization will not be accepted.
- All product or order return requests must be submitted in writing to LGE.

**Returns**
- Returns of new, uninstalled merchandise must be requested within 90 days of invoice date.
- All returns to be inspected by LGE.
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**Performance Trolleys**

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<tr>
<th>Model code (US order code)</th>
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<th>CRI</th>
<th>CCT</th>
<th>Beam</th>
<th>Power factor</th>
<th>V/W</th>
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**Product selection guide**

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**Cancellations**
- Orders cannot be cancelled without prior written LGE consent.
- All cancellation requests must be submitted in writing to LGE and may be subject to restocking fees.

**Return policy**
- All products or order returns must be submitted in writing to LGE.
- Return requests without prior written LGE authorization will not be accepted.
- All returns must be marked with the LGE PI # in member or LGE reserve Lyght to request return.
- All returns are subject to a possible restocking fee, with that fee being a maximum of 30% of the order.
- Freight on returns will not be credited. Collect return shipments will not be accepted.
- All returned merchandise must be in original LGE packaging and deemed suitable for resale by LGE.
- All returns not in stock will be credited less repair costs or at salvage value.
- Returns of new, uninstalled merchandise must be requested within 90 days of invoice date.
- LGE does not accept returns of installed products, or items older than 90 days past invoice date.
- Returns of new, uninstalled merchandise must be in original LGE packaging and deemed suitable for resale by LGE.
- All returns not in stock will be credited.
- Damaged products will be credited less repair costs or at salvage value.

**Freight**
- The following prepaid freight terms apply to orders shipped from LG Electronics USA, Inc. warehouse.
- For LG LED Lighting orders of $3,000 or greater, customer will receive LG pre-paid freight services.

**Table**

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<th>Model code (US order code)</th>
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**Point of contact**

For more information, please contact LG Electronics order management at (201) 816-2000
Please visit www.lglightingus.com

LG Electronics U.S.A., Inc.
LG Electronics USA Inc.
Confidential

LG Electronics reserves the right to correct errors. Only LGE LED Lighting is authorized to change prices. Please contact LGE LED Lighting Sales for details.