LED LIGHTING SOLUTIONS
LINEAR Highbay / Highbay Parking Hazardous Location Fixture Multi-Purpose Light Flat Panel
**DONGBU**

"**An Excellent Global Company**"

Dongbu is a Korean global conglomerate corporation founded in 1969 which operates through several business segments. Although Dongbu started nearly a half-century later than the other leading contemporary competitors in Korea, the corporation ranked as one of the top ten Korean conglomerates in 2000 based on a report by The Fair Trade Commission of the Korean Government. Similarly, all the Dongbu companies are commanding a top-tier presence in their respective fields of industries in Korea.

Dongbu is currently embarking on company-wide ambitious strategic plans with a full thrust to be a global leader in all classes of its businesses in the 2010s.

**DONGBU’s Business Segments**

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<thead>
<tr>
<th>Insurance</th>
<th>Securities</th>
<th>Banking</th>
<th>Agriculture</th>
<th>Health</th>
<th>Distribution</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>IT - Electronics</td>
<td>Steel - Metal</td>
<td>Corporate Social Responsibility</td>
</tr>
</tbody>
</table>

Dongbu Daewoo Electronics, Co., Ltd.
Dongbu HiTek Co., Ltd.
Dongbu Lightec Co., Ltd.
Dongbu Inc.

**DONGBU LIGHTEC**

"**Global Leader in LED Lighting**"

Dongbu Lightec is a leading manufacturer of advanced LED lighting products. We design, manufacture and market the LED lighting products including retrofit lamps and commercial & industrial LED luminaires.

We are consistently operating global business through overseas network, and providing energy efficient LED lighting products to more than 250 partners in 60 countries.

**GREEN ENERGY NATURAL LIGHT**

We strive to be at the center stage of LED lighting business that opens a new world of light with the innovative technology that goes beyond generations

Since our founding in 1989, we have been leading the market with accumulated experience and innovative manufacturing technology through CNC engraving machines. We have been developing diverse range of products including the ‘Light Panel’ developed in-house in 2000, the LED panel ‘LumiSheet’ that used the advanced V-Cutting technology in 2005, the high efficiency & eco-friendly LED lighting ‘LumiDas’ that will change the paradigm of 130 years old lighting industry, and also leading the way in eco-friendly green growth and carbon emission reduction policy which sought after globally and led by the government.

Dongbu Lightec promises our customers to open a world of new lighting that contributes to the happiness of humanity with effort of combining the customer oriented management policy and expert knowledge on LED lighting that have been the basis of our growth so far. We will strive harder to with innovation, creativity as well as passion which are the DNA of company growth.

We would much appreciate your encouragement and support and please watch our path to growth.

Best regards,

CEO, Dongbu Lightec

Jae Hyeong Lee
Designed to create more than illumination

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LumiDas Linear Bay

LumiDas Linear Highbay is designed as an ideal one-to-one replacement of HID and fluorescent high bay systems. Targeting commercial / industrial warehouse, manufacturing, sports gyms, and other large indoor spaces with mounting heights up to 40’.

Excellent light distribution allows for comfortable, low stress, natural looking light for any application.

**Product Benefits**

01 High Performance
02 Superior Ventilation
03 Quick Installation
04 Easy Wiring
05 Compact Structure
06 Options & Accessories

* Design patent 29/526, 144
* Technology patent pending
LumiDas Linear Highbay is a linear type bay light which can be used for various places as like industrial site, warehouse etc.

Energy Saving

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**01 High Performance**
High efficacy, Energy saving product for fast ROI (DLC Qualified)
- High efficacy up to 120 lm/W
- Three lumen package options: 12,000 / 22,000 / 24,000 lm
- 80 CRI
- Three Correlated Temperatures (3500K, 4000K & 5000K)
- Replacing MH460W to LED 200W Linear Highbay

**02 Superior Ventilation**
Radiating structure with natural convection cooling system
- Natural convection cooling system with Dual Vent Hole
- Increasing longevity and reliability

**03 Quick Installation**
Minimized installation cost and time
- Snap and lock EASYCON bracket system for simple installation

**04 Easy Wiring**
Rotary knob for easy maintenance
- Tool-less driver and LED module accessibility for easy wiring and replacement
  * Technology patent pending

**05 Compact Structure**
Optimized structure design, reduces weight for easy handling
- Optimized structure design 1’x4’ size
- Reduce fixture weight, MAX 16 lb / 8kg (with options built-in)
  * Design patent 29/026, 164

**06 Options & Accessories**
Providing various options and accessories
- Two distribution: Wide 110°, Aisle 110° x 60°
- Multiple lens and wire guard options: (Clear, Frosted)
- 0-10V Dimming standard [T24 Compliance]
- Power option 120-277V, 347-480V, EMB
- Optional Emergency Battery (Up to 90 mins)

Applications
- New Construction for mounting up to 40’ / 400W MH or 6-lamp T8 H.O. one - to one replacement

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Dongbu Lightec
Linear Highbay

Other Products
Size
Reducing Size
24,000 lm

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* Technology patent pending

* Design patent 29/026, 164

Length 4ft
### Ordering Information

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Watt</th>
<th>Input Voltage</th>
<th>LED Lumen Output</th>
<th>CCT</th>
<th>Distribution</th>
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</thead>
<tbody>
<tr>
<td>SLH 100</td>
<td>100W</td>
<td>UM: 120-277V</td>
<td>12,000 lm</td>
<td>Y: 3500K</td>
<td>D: Diffused 110°</td>
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<tr>
<td>SLH 200</td>
<td>200W</td>
<td>CH: 347-480V</td>
<td>22,000 lm</td>
<td>N: 4000K</td>
<td>D: 5000K</td>
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</table>

### Specification

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Power Consumption (W)</th>
<th>Luminous Flux (lm)</th>
<th>Luminaires Efficacy (lm/W)</th>
<th>Input Voltage (Vac, Hz)</th>
<th>CCT (K)</th>
<th>CRI (Ra)</th>
<th>Operating Temperature (°F/°C)</th>
<th>Distribution</th>
<th>Dimension (LxWxH) (in/°)</th>
<th>Weight (lb/kg)</th>
<th>Lifetime (h)</th>
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<tbody>
<tr>
<td>SLH100-UM-12-YD</td>
<td>100W</td>
<td>10,500</td>
<td>105</td>
<td>120-277, 50/60</td>
<td>3500K</td>
<td>80</td>
<td>-13° to +104° (-25 to +40°C)</td>
<td>14.7 x 6.7</td>
<td>50.00lb</td>
<td>50,000</td>
<td>5000h</td>
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<tr>
<td>SLH100-UM-12-ND</td>
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<td>11,000</td>
<td>115</td>
<td>200-277, 50/60</td>
<td>4000K</td>
<td>80</td>
<td>-13° to +104° (-25 to +40°C)</td>
<td>13 x 6</td>
<td>22.00lb</td>
<td>50,000</td>
<td>5000h</td>
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<tr>
<td>SLH100-UM-12-DD</td>
<td>120W</td>
<td>11,500</td>
<td>120</td>
<td>240-277, 50/60</td>
<td>5000K</td>
<td>80</td>
<td>-13° to +104° (-25 to +40°C)</td>
<td>13 x 6</td>
<td>22.00lb</td>
<td>50,000</td>
<td>5000h</td>
</tr>
<tr>
<td>SLH200-UM-22-YD</td>
<td>200W</td>
<td>20,000</td>
<td>105</td>
<td>120-277, 50/60</td>
<td>3500K</td>
<td>80</td>
<td>-13° to +104° (-25 to +40°C)</td>
<td>14.7 x 6.7</td>
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<td>5000h</td>
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<tr>
<td>SLH200-UM-22-ND</td>
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<td>-13° to +104° (-25 to +40°C)</td>
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<td>SLH200-UM-22-DD</td>
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<td>22,000</td>
<td>115</td>
<td>240-277, 50/60</td>
<td>5000K</td>
<td>80</td>
<td>-13° to +104° (-25 to +40°C)</td>
<td>13 x 6</td>
<td>22.00lb</td>
<td>50,000</td>
<td>5000h</td>
</tr>
<tr>
<td>SLH200-UM-24-YD</td>
<td>235W</td>
<td>23,500</td>
<td>105</td>
<td>120-277, 50/60</td>
<td>3500K</td>
<td>80</td>
<td>-13° to +104° (-25 to +40°C)</td>
<td>14.7 x 6.7</td>
<td>50.00lb</td>
<td>50,000</td>
<td>5000h</td>
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<tr>
<td>SLH200-UM-24-ND</td>
<td>240W</td>
<td>24,000</td>
<td>110</td>
<td>200-277, 50/60</td>
<td>4000K</td>
<td>80</td>
<td>-13° to +104° (-25 to +40°C)</td>
<td>13 x 6</td>
<td>22.00lb</td>
<td>50,000</td>
<td>5000h</td>
</tr>
<tr>
<td>SLH200-UM-24-DD</td>
<td>240W</td>
<td>24,000</td>
<td>115</td>
<td>240-277, 50/60</td>
<td>5000K</td>
<td>80</td>
<td>-13° to +104° (-25 to +40°C)</td>
<td>13 x 6</td>
<td>22.00lb</td>
<td>50,000</td>
<td>5000h</td>
</tr>
</tbody>
</table>

- Distribution for use with reflector / Reflector: accessory
- To improve quality, changes and updates in specification may be made without prior notice
- Not recommended to use this luminaire with lens under heavy dust environment
LumiDas Highbay series is a highly efficient and eco-friendly luminaire as a bay light for various applications. Its revolutionary design reduces maintenance costs by offering a rated life of over 50,000 hours.

Product Benefits

01 High Efficiency
02 Superior Cooling System
03 Electrical Stability
04 Compact & Light
**Product benefits in detail**

**01 High Efficiency**
High efficacy, Energy saving product for fast ROI
- High Efficiency, Energy Saving Product enabling faster collecting of investment cost
- Up-to 76% reduction in energy used comparing with conventional lighting 
  (Replacing MH250W to LED 110W highbay)

**02 Superior Cooling System**
Common platform structure using Air-Fin heat sink technology
- Applying various types of Air-Fin to optimize the Heat sink for whole wattage ranges

**03 Electrical Stability**
Electrical stability with a reinforced surge protection circuit
- Equipped 15kV Surge protection circuit for better stability

**04 Compact & Light**
Compact and light product for easy installation & delivery
- Easy installation due to the light weight with unique Air-Fin design

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**Options**
- Fix Bracket & Chain
- Secondary Reflector
- 3/4"NPT Bracket
- Nut x 2EA

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**Adopted combination reflector system**
It uses our unique optical design to make it an energy efficient light source for commercial or industrial applications. It is available in either 60° or 95° distribution.

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**Applications**
Factories, warehouses, gymnasiaums, large retail environments and exhibition halls
**LED LUMINAIRE HIGHBAY**

### Dimension

**Dimensions in inch (mm)**

- **SL80N**
  - Ø11.8" (Ø305)
  - 6.9" (175)
  - 8.7" (220)
  - 9.4" (240)

- **SL110N**
  - Ø13.8" (Ø351)
  - 8.7" (220)
  - 11.2" (285)

- **SL140N / 170N**
  - Ø13.8" (Ø351)
  - 8.7" (220)
  - 11.2" (285)

### Ordering Information

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Watt</th>
<th>Input Voltage</th>
<th>CCT</th>
<th>Distribution</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>SL80N UM PFB(DD-S)</td>
<td>80W</td>
<td>5000K</td>
<td>Wide 60°</td>
<td>Dimmable (1-10 V)</td>
<td></td>
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<tr>
<td>SL110N UM PFB(DD-S)</td>
<td>110W</td>
<td>5000K</td>
<td>Wide 60°</td>
<td>Dimmable (1-10 V)</td>
<td></td>
</tr>
<tr>
<td>SL140N KM PFB(DD-S)</td>
<td>140W</td>
<td>5000K</td>
<td>Wide 60°</td>
<td>Dimmable (1-10 V)</td>
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<tr>
<td>SL170N KM PFB(DD-S)</td>
<td>170W</td>
<td>5000K</td>
<td>Wide 60°</td>
<td>Dimmable (1-10 V)</td>
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</table>

### Specification

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Power Consumption (W)</th>
<th>Luminous Flux (lm)</th>
<th>Luminous Efficiency (lm/W)</th>
<th>Input Voltage (Vac, Hz)</th>
<th>Color Temperature (K)</th>
<th>CRI (Ra)</th>
<th>Operating Temperature (℉/℃)</th>
<th>Dimensions (DxH)</th>
<th>Weight (lb/kg)</th>
<th>Luminaire (h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SL80N UM PFB(DD-S)</td>
<td>80W</td>
<td>8,000</td>
<td>120-277V, 50/60</td>
<td>5000K</td>
<td>60</td>
<td>105.4 / 4.7</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SL80N UM PFB(DD-Z)</td>
<td>80W</td>
<td>8,000</td>
<td>120-277V, 50/60</td>
<td>5000K</td>
<td>60</td>
<td>115.5 / 4.7</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SL110N UM PFB(DD-S)</td>
<td>110W</td>
<td>11,000</td>
<td>120-277V, 50/60</td>
<td>5000K</td>
<td>60</td>
<td>115.5 / 4.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SL110N UM PFB(DD-Z)</td>
<td>110W</td>
<td>11,000</td>
<td>120-277V, 50/60</td>
<td>5000K</td>
<td>60</td>
<td>126.6 / 5.7</td>
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<td></td>
<td></td>
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<tr>
<td>SL140N KM PFB(DD-S)</td>
<td>140W</td>
<td>14,000</td>
<td>200-277V, 50/60</td>
<td>5000K</td>
<td>60</td>
<td>132.6 / 5.7</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>SL140N KM PFB(DD-Z)</td>
<td>140W</td>
<td>14,000</td>
<td>200-277V, 50/60</td>
<td>5000K</td>
<td>60</td>
<td>143.6 / 5.7</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>SL170N KM PFB(DD-S)</td>
<td>170W</td>
<td>17,000</td>
<td>200-277V, 50/60</td>
<td>5000K</td>
<td>60</td>
<td>154.7 / 5.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>SL170N KM PFB(DD-Z)</td>
<td>170W</td>
<td>17,000</td>
<td>200-277V, 50/60</td>
<td>5000K</td>
<td>60</td>
<td>165.7 / 5.7</td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** 80/110W ‘Z’ Series : Dimmable (1-10 V)

** To improve quality, changes and updates in specification may be made without prior notice.

### Polar Diagram / Cone Diagram

- **SL80N 95° / 5,000K**
  - 0° H - 90° H
  - cd: 4.0
  - tm: 13.6
  - 8.9"

- **SL110N 95° / 5,000K**
  - cd: 6.0
  - tm: 16.0
  - 12.5"

- **SL140N 60° / 5,000K**
  - cd: 8.0
  - tm: 21.0
  - 16.0"

- **SL170N 60° / 5,000K**
  - cd: 10.0
  - tm: 26.0
  - 20.0"
LumiDas Lowbay

LumiDas Lowbay is a highly efficient and eco-friendly luminaire as a bay light for various applications. Its revolutionary design reduces maintenance costs by offering a rated life of over 50,000 hours.

Product Benefits

01 High Efficiency

02 Quick Installation

03 Vandal-Resistant
These luminaires provide an optimized lighting solution and easy installation for surface and pendant mounting.

**Product benefits in detail**

**01 High Efficiency**
- High Efficiency, Energy Saving Product enabling faster collecting of investment cost (DLC Certification)
- High efficiency: 140lm/W
- Up-to 78% reduction in energy used comparing with traditional lighting (Changing MH175W into 50W)

**02 Quick Installation**
- Minimize an installation time and cost
- Adopting One-touch mounting system and Slim & Light Design can make one person easily install the product by hand
- Design Patent for oversea and Domestic market

**03 Vandal-Resistant**
- Excellent rigid structure using aluminum
- Water and dust tight achieving IP-66 rating (Wet location)

**Applications**
- Building canopy, walkway, corridors, large stairwell, assembly lines, manufacturing areas, warehouses,

**Dimension**

- **Pendant type**
  - 9.8˝ (250)
  - 7.5˝ (190)
- **Surface mount type** (Optional)
  - 9.2˝ (233)
  - 11.6˝ (295)

**Pattern plate provided**

**Polar Diagram / Cone Diagram**

- SLB50 / 120° / 5,000K
- SLB50 / 120° / 4,000K

**Ordering Information**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Watt</th>
<th>Input Voltage</th>
<th>CCT</th>
<th>Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLB50-UM-ND</td>
<td>50</td>
<td>120-277V</td>
<td>N</td>
<td>Diffused 120°</td>
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<tr>
<td>SLB50-UM-DD</td>
<td>50</td>
<td>120-277V</td>
<td>D</td>
<td>5000K</td>
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**Specification**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Power Consumption</th>
<th>Luminous Flux (LM)</th>
<th>Luminance Efficiency (lm/W)</th>
<th>Input Voltage</th>
<th>CCT</th>
<th>Color Temperature (°K)</th>
<th>CRI</th>
<th>Operating Temperature (°C)</th>
<th>Dimension (LxWxH)</th>
<th>Weight (lb/kg)</th>
<th>Lumen (N)</th>
<th>IP</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLB50-UM-ND</td>
<td>50</td>
<td>7,930</td>
<td>140</td>
<td>120-277V</td>
<td>4000</td>
<td>-13°F to +104°F</td>
<td>11.6 x 11.8 x 3.2</td>
<td>7.7 x 3.5</td>
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<td>SLB50-UM-DD</td>
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<td>120-277V</td>
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<td>7.7 x 3.5</td>
<td>50,000</td>
<td>66</td>
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</tbody>
</table>

*To improve quality, changes and updates in specification may be made without prior notice*
LumiDas Parking Square Type series is a water-proof LED luminaire designed specifically for use in parking garages/structures to use in place of or to replace fluorescent or HID fixture designs. This fixture includes custom engineered integral array optics for optimal distribution.

Environmentally friendly design of LumiDas Parking allows for reduced energy consumption over HID and fluorescent designs.

Product Benefits

01 High Efficiency
02 Superior Illumination
03 Quick Installation
04 Vandal-Resistant
05 Microwave Sensor
LumiDas Parking

The LumiDas Parking square type features an elegant design that boasts an ease of installation that is unique for its intended application.

Product benefits in detail

01 High Efficiency
High efficacy, Energy saving product for fast ROI (DLC Qualified)
- High efficacy: 111lm/W
- Up-to 90% reduction in energy used comparing with traditional lighting
  [Replacing MH175W to Square 45W with sensor]

02 Superior Illumination
Excellent light distribution pattern with Special lens
- With module type lens, it can make Type V distribution which can light much wider place.
- Providing excellent light distribution in the place which has wider gap between the luminaire

03 Quick Installation
Minimize an installation time and cost
- Adopting one-touch mounting system and slim & light design can make one person easily install the product by hand
- Design patent for oversea and domestic market

04 Vandal-Resistant
Excellent rigid structure using aluminum [Square Type]
- Water and dust tight achieving IP-66 rating [Wet location]

05 Microwave Sensor
Saving energy with excellent performance of microwave sensor
- Maximize an economic effect, reducing consumption of needless energy.

Applications
- Parking garages, multi-level structures, Warehouse or general area lighting

Pattern plate provided

Application specific distribution
Custom engineered integral array lensing. Designed to achieve wide light distribution in parking structure.
LED LUMINAIRE SQUARE TYPE FOR PARKING STRUCTURE

→ Dimension

Dimensions in inch(mm)

Pendant type

Surface mount type (Optional)

Non-Sensor

Sensor

→ Photometry

PG45 / 4,000K / Type V

Distance in units of mount height(15ft)

PG45 / 5,000K / Type V

Distance in units of mount height(15ft)

→ Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Watt</th>
<th>Input Voltage</th>
<th>Installation</th>
<th>CCT</th>
<th>Distribution</th>
<th>Sensor</th>
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</thead>
<tbody>
<tr>
<td>PG</td>
<td>45W</td>
<td>UM 120-277V</td>
<td>PFB</td>
<td>N</td>
<td>Type V</td>
<td>Sensor</td>
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<tr>
<td></td>
<td></td>
<td>CH 347-480V</td>
<td></td>
<td>D</td>
<td>Medium</td>
<td>Occupancy sensor</td>
</tr>
</tbody>
</table>

→ Specification

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Power Consumption (W)</th>
<th>Luminous Flux (lm)</th>
<th>Luminance Efficiency (lm/W)</th>
<th>Input Voltage Range (Vac)</th>
<th>Color Temperature (K)</th>
<th>CRI (Ra)</th>
<th>Operating Temperature (°C)</th>
<th>Distribution Type</th>
<th>Dimensions (LxWxH)</th>
<th>Weight (lb/kg)</th>
<th>Lifespan (h)</th>
</tr>
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<tbody>
<tr>
<td>PG45-UM-PFB(NT5M)</td>
<td>4,800</td>
<td>107</td>
<td>120-277V, 50/60</td>
<td>4000</td>
<td>-60 to +113°C; -64°F to +23°F</td>
<td>78</td>
<td>Type V</td>
<td>Medium</td>
<td>11.6”x9.8”x3.3”</td>
<td>7.7/3.5</td>
<td>50,000</td>
</tr>
<tr>
<td>PG45-UM-PFB(DT5M)</td>
<td>5,000</td>
<td>111</td>
<td>300-600V, 50/60</td>
<td>5000</td>
<td>-13 to +113°C; -23°C to +23°F</td>
<td>78</td>
<td>Type V</td>
<td>Medium</td>
<td>11.6”x9.8”x3.6”</td>
<td>7.7/3.5</td>
<td>50,000</td>
</tr>
<tr>
<td>PG45-CH-PFB(NT5M)</td>
<td>4,600</td>
<td>102</td>
<td>120-277V, 50/60</td>
<td>4000</td>
<td>-60 to +113°C; -64°F to +23°F</td>
<td>78</td>
<td>Type V</td>
<td>Medium</td>
<td>11.6”x9.8”x3.3”</td>
<td>7.7/3.5</td>
<td>50,000</td>
</tr>
<tr>
<td>PG45-CH-PFB(DT5M)</td>
<td>4,800</td>
<td>107</td>
<td>300-600V, 50/60</td>
<td>5000</td>
<td>-13 to +113°C; -23°C to +23°F</td>
<td>78</td>
<td>Type V</td>
<td>Medium</td>
<td>11.6”x9.8”x3.6”</td>
<td>7.7/3.5</td>
<td>50,000</td>
</tr>
</tbody>
</table>

> To improve quality, changes and updates in specification may be made without prior notice
LumiDas Parking Linear Type LED multi-use luminaire is designed for great performance in a multitude of applications. As an alternative to fluorescent fixtures the LumiDas Parking enjoys all of the benefits that LED technology carries over fluorescent including extended life, reduced maintenance costs and reduced energy consumption.

Product Benefits

01 High Efficiency
02 Superior Illumination
03 Quick Installation
04 Microwave Sensor

Excellent light distribution. No visible diodes allow for comfortable, low stress, natural looking light for any application.
Compared to T8 Fluorescent fixtures of similar output, it is capable of reducing energy normally 49% by up to 60% with the employment of dimming control measures.

**Product benefits in detail**

**01 High Efficiency**
High efficacy, Energy saving product for fast ROI
- Up to 90% reduction in energy used comparing with traditional lighting (Replacing MH175W to Linear 49W sensor type)

**02 Superior Illumination**
Adopting innovative optic design technology, it can make an excellent light distribution pattern with frosted lens
- Applying a glareless light distribution technology, no hot spot and no glare to eyes.

**03 Quick Installation**
Minimize an installation time and cost
- Adopting one-touch mounting system and slim & light design can make one person easily install the product by hand
- Design patent for oversea and domestic market

**04 Microwave Sensor**
Saving energy with Excellent performance of Microwave sensor
- Maximize an economic effect, reducing consumption of needless energy.

**Applications**
Parking garages and multi-deck structures.
Retail and back of house as well as walk-in cooler and food prep-room areas.

**LumiDas Parking**

**Junction Box Mount**

<table>
<thead>
<tr>
<th>Illuminance [lx]</th>
<th>LumiDas Parking 49W (Linear)</th>
<th>3 Lamp T8 Fluorescent 32W(96W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>75</td>
<td>100</td>
</tr>
<tr>
<td>150</td>
<td>200</td>
<td></td>
</tr>
</tbody>
</table>

- Up to 90% energy reduction
- Energy saving product for fast ROI (Replacing MH175W to Linear 49W sensor type)
- Superior illumination
- Quick installation
- Microwave sensor for energy saving
- Applications in parking garages, multi-deck structures, retail, back of house, walk-in cooler, and food prep-room areas.

- Design patent for overseas and domestic market
Ordering Information

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Watt</th>
<th>Input Voltage</th>
<th>Mounting</th>
<th>Form Type</th>
<th>Dimension</th>
<th>Converter Location</th>
<th>DLC</th>
<th>CCT Distribution</th>
<th>Sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGL36-UM-JL1200B VND</td>
<td>36W</td>
<td>120-277V</td>
<td>UM J</td>
<td>Linear Type</td>
<td>1,100</td>
<td>Built-in Converter</td>
<td>B</td>
<td>V</td>
<td>N</td>
</tr>
</tbody>
</table>

*PGLXX-XX-XX1200B (VXX) : DLC Qualified product

To improve quality, changes and updates in specification may be made without prior notice.

Specification

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Power Consumption (W)</th>
<th>Luminous Flux (lm)</th>
<th>Luminance Efficiency (lm/W)</th>
<th>Input Voltage (Vac, Hz)</th>
<th>Color Temperature (K)</th>
<th>Operating Temperature (°F/°C)</th>
<th>Distribution °</th>
<th>Dimension (LxWxH)</th>
<th>Weight (lb/kg)</th>
<th>Lifespan (h)</th>
<th>IP</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGL36-UM-JL1200B VND</td>
<td>3,528</td>
<td>98</td>
<td>42.7 x 3.6 x 3.5</td>
<td>120-277V, 50/60</td>
<td>4000</td>
<td>-45 to +122°F (-20 to +50°C)</td>
<td>50/60</td>
<td>120 mm</td>
<td>5.5 / 2.5</td>
<td>50,000</td>
<td>49</td>
</tr>
<tr>
<td>PGL36-UM-PL1200B (DD)</td>
<td>4,802</td>
<td>103</td>
<td>42.7 x 3.6 x 3.5</td>
<td>120-277V, 50/60</td>
<td>5000</td>
<td>-45 to +122°F (-20 to +50°C)</td>
<td>50/60</td>
<td>120 mm</td>
<td>5.5 / 2.5</td>
<td>50,000</td>
<td>49</td>
</tr>
<tr>
<td>PGL36-UM-SL1200B (ND)</td>
<td>5,047</td>
<td>103</td>
<td>42.7 x 3.6 x 3.5</td>
<td>120-277V, 50/60</td>
<td>5000</td>
<td>-45 to +122°F (-20 to +50°C)</td>
<td>50/60</td>
<td>120 mm</td>
<td>5.5 / 2.5</td>
<td>50,000</td>
<td>49</td>
</tr>
<tr>
<td>PGL49-UM-JL1200B (DD-O)</td>
<td>5,047</td>
<td>103</td>
<td>42.7 x 3.6 x 3.5</td>
<td>120-277V, 50/60</td>
<td>5000</td>
<td>-45 to +122°F (-20 to +50°C)</td>
<td>50/60</td>
<td>120 mm</td>
<td>5.5 / 2.5</td>
<td>50,000</td>
<td>49</td>
</tr>
<tr>
<td>PGL49-UM-PL1200B (ND)</td>
<td>5,047</td>
<td>103</td>
<td>42.7 x 3.6 x 3.5</td>
<td>120-277V, 50/60</td>
<td>5000</td>
<td>-45 to +122°F (-20 to +50°C)</td>
<td>50/60</td>
<td>120 mm</td>
<td>5.5 / 2.5</td>
<td>50,000</td>
<td>49</td>
</tr>
</tbody>
</table>

*PGL36-UM-PL1200B (DD) : DLC Qualified product

To improve quality, changes and updates in specification may be made without prior notice.
OCCUPANCY SENSOR

The occupancy sensor developed by Dongbu Lightec. It can be applied to LumiDas Parking linear type & square type.

→ Occupancy Sensor for LumiDas Parking

The Occupancy sensor is a X-band Doppler motion sensor to detect a motion. It detects a motion via high frequency electromagnetic waves with the Doppler principle. It consists of DR(dielectric resonator), oscillator, passive diode and patch antennas and provides most reliable solution in motion detection for automatic lighting control system for substantial saving energy.

Specifications

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Min</th>
<th>Typical</th>
<th>Max</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Voltage</td>
<td>12</td>
<td>50</td>
<td>50</td>
<td>Vdc</td>
</tr>
<tr>
<td>Current Consumption</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td>mA</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-25</td>
<td>55</td>
<td>70</td>
<td>℃</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-30</td>
<td>70</td>
<td>10.5</td>
<td>℃</td>
</tr>
<tr>
<td>Dimming Output Voltage</td>
<td>0</td>
<td>10.5</td>
<td></td>
<td>V</td>
</tr>
<tr>
<td>Frequency</td>
<td>10,512.5</td>
<td>10,525.0</td>
<td>10,537.5</td>
<td>MHz</td>
</tr>
<tr>
<td>Output Power (EIRP)</td>
<td>0</td>
<td>15</td>
<td></td>
<td>dBm</td>
</tr>
<tr>
<td>3dB Antenna Beam Width - E-axis</td>
<td>67</td>
<td></td>
<td></td>
<td>Degree</td>
</tr>
<tr>
<td>3dB Antenna Beam Width - H-axis</td>
<td>84</td>
<td></td>
<td></td>
<td>Degree</td>
</tr>
</tbody>
</table>

Operation

The occupancy sensor has 360° coverage of microwave sensing and bi-level dimming to save energy. 100% of brightness is activated within 1 cond when an automobile or passerby is detected by sensor in a target zone. 30% of brightness is activated when no motion is detected in a target zone for 2 minutes.

<table>
<thead>
<tr>
<th>Sensor Type</th>
<th>Microwave sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>10.525GHz (X-band)</td>
</tr>
<tr>
<td>Bi-level Diming</td>
<td>100% / 30%</td>
</tr>
<tr>
<td>Delay Time</td>
<td>2 min</td>
</tr>
<tr>
<td>Detection Range</td>
<td>20ft - 60ft (6m-12m) at Ceiling Height 10ft (3m)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-13°F to + 131°F (-25°C ~ 55°C)</td>
</tr>
</tbody>
</table>

Sensor Coverage

Provides 20 to 40 ft (6 to 12m) radial coverage when mounted at 10 ft (3m) height. Coverage of detection will depend on the installation height of sensor and surrounding materials.
LumiDas Hazardous Location Fixture is designed to replace conventional hazardous location fixtures. The luminaire is safe and easy to use in areas where flammable or explosive vapors or gases are present under abnormal conditions.

Product Benefits

01 High Efficiency
02 Superior Cooling System
03 Electrical Stability
04 Various Mounting Options
LumiDas Hazardous Location Fixture series is suitable for use in the following hazardous classified areas as defined by the National Electrical Code (NEC).

### Product benefits in detail

**01 High Efficiency**
- High efficiency, Energy saving product for fast ROI
- 105lm/W, Up to 64% reduction in energy used comparing with conventional lighting
- Replacing MH-250W to LED 110W Hazardous Location Fixture

**02 Superior Cooling System**
- Common flatform structure using Air-Fin heat sink technology
- Applying various types of Air-Fin to optimize the Heat sink for whole wattage ranges.
- Easy installation due to the light weight, 10kg lighter than traditional lighting.

**03 Electrical Stability**
- Electrical stability with a reinforced surge protection circuit
- Equipped 15kV surge protection circuit for better stability.

**04 Various Mounting Options**
- Providing total 8 kinds of mounting options
- Possible to be applied to various hazardous places as like oil/chemical refinery, gas station, mining site etc.

### Applications
- Factories and warehouses containing petroleum, chemicals, gas, gasoline and medicine, Gas stations, boiler rooms and fabrication warehouses

### Energy Saving
- 64%

### Electrical Stability
- 15kV

### Various Mounting Options
- Pendant, Ceiling etc., total 8 options

### Perfect temperature and optics conditions
- Various light sources are available (80/110/140/170W) with high efficacy (up to 105lm/W). The product complies with Grades T4, T5 and T4A, T3C for surface temperature and ensures even distribution of color temperature of 5,000K even under special conditions such as fog and smoke.

### Standard Materials
- Body and mounting modules: Copper-free aluminum

### Simulation compared with conventional lamps
- LumiDas Hazardous Location Fixture 170W
- Metal Halide (MH) 400W
### Various mounting structures (8 Types)

Various installation structures are possible having various luminaire bodies.

#### Cover Module Type

<table>
<thead>
<tr>
<th>Bracket Type</th>
<th>Ceiling</th>
<th>Wall 90°</th>
<th>Wall 40°</th>
<th>Stanchion 90°</th>
<th>Stanchion 25°</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Celing / Wall / Stanchion with luminaire body A)</td>
<td>BCE</td>
<td>BW9</td>
<td>BN4</td>
<td>90° 1-1/2 / BY2</td>
<td>25° 1-1/2 / BS2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>90° 1-1/4 / BY4</td>
<td>25° 1-1/4 / BS4</td>
</tr>
</tbody>
</table>

#### Luminaire Body [A]

- **Dimension (D×H)**
  - 14˝ × 9.9˝ (355mm × 252mm)
  - 15.8˝ × 13˝ (400mm × 330mm)
  - 14˝ × 14.4˝ (355mm × 365mm)
  - 15.8˝ × 9.6˝ (400mm × 244mm)
  - 17.3˝ × 9.5˝ (440mm × 240mm)

- **Weight (lb / kg)**
  - (80W/120-277Vac) 16.5 / 7.5
  - (170W/347-480Vac) 19.8 / 9

#### Mounting Module Type

<table>
<thead>
<tr>
<th>Bracket Type</th>
<th>Swivel</th>
<th>Clamp</th>
<th>Pendant</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Swivel / Clamp / Pendant with luminaire body B)</td>
<td>BSW</td>
<td>BCL</td>
<td>BPE</td>
</tr>
</tbody>
</table>

- **Dimension (D×H)**
  - 14˝ × 15.8˝ (355mm × 400mm)
  - 15.8˝ × 14.6˝ (400mm × 365mm)
  - 15.8˝ × 9.6˝ (400mm × 244mm)
  - 17.3˝ × 9.5˝ (440mm × 240mm)

- **Weight (lb / kg)**
  - (80W/110W) 16.5 / 7.5
  - (170W/110W) 19.8 / 9

### Dimension

#### Cover Module body

- **80W / 110W**
  - 13.94˝ (354)
  - Ø10.93˝ (277.7)
  - 8.1˝ (205.7) 0.59˝ (15)
  - Ø12.2˝ (310)

- **140W / 170W**
  - 13.94˝ (354)
  - Ø10.93˝ (277.7)
  - 8.1˝ (205.7) 0.59˝ (15)
  - Ø12.2˝ (310)

#### Mounting Module body

- **80W / 110W**
  - 13.94˝ (354)
  - Ø10.93˝ (277.7)
  - 8.1˝ (205.7) 0.59˝ (15)
  - Ø12.2˝ (310)

- **140W / 170W**
  - 13.94˝ (354)
  - Ø10.93˝ (277.7)
  - 8.1˝ (205.7) 0.59˝ (15)
  - Ø12.2˝ (310)

### Polar Diagram / Cone Diagram

- **EX80 120° / 5,000K**
  - cd
  - 0°: 530 cd
  - 15°: 1,367 cd
  - 30°: 2,298 cd
  - 45°: 3,329 cd
  - 60°: 4,360 cd
  - 75°: 5,391 cd
  - 90°: 6,422 cd

- **EX110 120° / 5,000K**
  - cd
  - 0°: 530 cd
  - 15°: 1,367 cd
  - 30°: 2,298 cd
  - 45°: 3,329 cd
  - 60°: 4,360 cd
  - 75°: 5,391 cd
  - 90°: 6,422 cd

- **EX140 120° / 5,000K**
  - cd
  - 0°: 530 cd
  - 15°: 1,367 cd
  - 30°: 2,298 cd
  - 45°: 3,329 cd
  - 60°: 4,360 cd
  - 75°: 5,391 cd
  - 90°: 6,422 cd

- **EX170 120° / 5,000K**
  - cd
  - 0°: 530 cd
  - 15°: 1,367 cd
  - 30°: 2,298 cd
  - 45°: 3,329 cd
  - 60°: 4,360 cd
  - 75°: 5,391 cd
  - 90°: 6,422 cd
Certified as Hazardous Location Fixture
LumiDas Hazardous Location Fixture series satisfies the requirements for ‘Class I’ and ‘Class II’, ensuring safety against gas and particles, and those of ‘Division 2’ for safe use in enclosed spaces.

T - Code
LumiDas Hazardous Location Fixture series complies with Grades T4, T5 and T4A, T3C the highest grades for surface temperature. The products are recommended to be installed at the area where the lowest possible temperature, thus ensuring safety even under specific circumstances such as strong heat or risk of explosion.

Ordering Information [Luminaire body]

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Watt</th>
<th>Input Voltage</th>
<th>Hazardous Locations</th>
<th>Option</th>
<th>Luminaire Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX 80W</td>
<td>80</td>
<td>120-277V</td>
<td>D2</td>
<td>D</td>
<td>A</td>
</tr>
<tr>
<td>EX 110W</td>
<td>110</td>
<td>110-480V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EX 140W</td>
<td>140</td>
<td>110-480V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EX 170W</td>
<td>170</td>
<td>110-480V</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Watt</th>
<th>Input Voltage</th>
<th>Hazardous Locations</th>
<th>Option</th>
<th>Luminaire Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX 80-UM-D2(DDC-A)</td>
<td>80</td>
<td>120-277V, 50/60</td>
<td>D2</td>
<td>D</td>
<td>A</td>
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<tr>
<td>EX 110-UM-D2(DDC-A)</td>
<td>110</td>
<td>347-480V, 50/60</td>
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<tr>
<td>EX 140-UM-D2(DDC-A)</td>
<td>140</td>
<td>347-480V, 50/60</td>
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<td></td>
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<tr>
<td>EX 170-UM-D2(DDC-A)</td>
<td>170</td>
<td>347-480V, 50/60</td>
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<tr>
<td>EX 80-CH-D2(DDC-A)</td>
<td>80</td>
<td>120-277V, 50/60</td>
<td>D2</td>
<td>D</td>
<td>A</td>
</tr>
<tr>
<td>EX 110-CH-D2(DDC-A)</td>
<td>110</td>
<td>347-480V, 50/60</td>
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<td></td>
<td></td>
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<tr>
<td>EX 140-CH-D2(DDC-A)</td>
<td>140</td>
<td>347-480V, 50/60</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EX 170-CH-D2(DDC-A)</td>
<td>170</td>
<td>347-480V, 50/60</td>
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<td></td>
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</tbody>
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Ordering Information [Mounting bracket]

<table>
<thead>
<tr>
<th>Bracket Type</th>
<th>Ceiling</th>
<th>Wall 90°</th>
<th>Wall 40°</th>
<th>Stanchion 90°</th>
<th>Stanchion 25°</th>
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<tbody>
<tr>
<td>Model Number</td>
<td>BCE</td>
<td>BW9</td>
<td>BW6</td>
<td>B92 / BW6</td>
<td>B22 / BW6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bracket Type</th>
<th>Swivel</th>
<th>Clamp</th>
<th>Pendant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Number</td>
<td>BCE</td>
<td>BW9</td>
<td>BCE</td>
</tr>
</tbody>
</table>

Specification

- To improve quality, changes and updates in specification may be made without prior notice.
LumiDas Multi-Purpose Light

LumiDas Multi-Purpose Light is sleek and compact architectural design with color temperatures and standard 1-10V / 0-10V dimming. Flexible mounting of the LML series allows for individual or continuous row applications for surface mount, suspended mount. Motion and daylight sensors can be combined for additional energy savings.

Product Benefits

- 01 High Efficiency
- 02 Quick Installation
- 03 Superior Illumination
- 04 Compact Design
- 05 Options & Accessories
Product benefits in detail

01 High Efficiency
Fast pay back and saving energy by high efficiency product
- 131lm/W high efficacy
- Saving 58% energy compare to conventional luminaires
(Replace T5HO 50W x 2 lamps to LED 45W)

02 Quick Installation
Easy installation and maintenance
- Sliding Locker System (Patent technology) provide easy installation
- Connecting wire makes easy wiring

03 Superior Illumination
Realize excellent uniformity by high quality of light source
- Diffuser in the end of lens makes no dark space and high uniformity when it extent
- High uniformity throughout lighting surface

04 Compact Design
Simple & compact design for interior decoration
- Side cap (Option) in the end of fixture for separate installation
- Looks simple when it row mount extension

05 Options & Accessories
Provide various install option
- Surface / Suspended (Chain, Cable) installation
- Side Cap (Option)

Energy Saving
58%

Applications
Retail and back of house as well as walk-in cooler and food prep-room areas.
Parking garages and multi-deck structures.

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47
### Ordering Information

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Watt</th>
<th>Input Voltage</th>
<th>Form Type</th>
<th>Size</th>
<th>CCT</th>
<th>Lens</th>
<th>AC Hard Cable</th>
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<tbody>
<tr>
<td>LML36-UM-L4-DF-W6</td>
<td>36</td>
<td>4,500</td>
<td>125</td>
<td>5000</td>
<td>4000</td>
<td>Blank</td>
<td>W6</td>
</tr>
<tr>
<td>LML36-UM-L4-NF-W6</td>
<td>4,320</td>
<td>120</td>
<td>4000</td>
<td>100-277V</td>
<td>5000</td>
<td>F: Frosted</td>
<td>W6</td>
</tr>
<tr>
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<td>LML36-UM-L4-YF-W6</td>
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<td>LML36-UM-L4-NF</td>
<td>5,670</td>
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*Dimension with Side Cover Option is 2.9” x 48.1” x 3.1” (73x1222x78mm)

> To improve quality, changes and updates in specification may be made without prior notice
LumiDas Flat Panel provides highly uniform, smooth low glare/shadowing lighting for increased visual comfort. Utilizes our own patented optical system combined with premium high brightness LEDs. The improved lumen output and solid design allow for increased light levels as well as lower maintenance costs over time.

Product Benefits

- **01 High Efficiency**
- **02 Superior Illumination**
- **03 Slim & Light**
- **04 Dimmable**

LumiDas Flat Panel is a new concept in lighting that offers an optimal alternative for 2×2, 1×4 and 2×4 recessed fluorescent troffers.
LumiDas Flat Panel series provides an excellent option to the lighting specifier / designer or building management / owners seeking aesthetically improved lighting as well as energy savings.

Product benefits in detail

01 High Efficiency
High efficacy, Energy saving product for fast ROI
- Up-to 45% reduction in energy used comparing with traditional lighting
  (Replacing Fluorescent lamp 64W to LED 35W LumiDas Flat Panel)

02 Superior Illumination
Delivers excellent light quality and spotless uniformity on light emitting surfaces
- Applying a glareless light distribution technology, no Hot Spot and no glare to eyes.

03 Slim & Light
Slim and light product for Easy installation & delivery.
- Easy installation due to the light weight

04 Dimmable
General lighting recessed up/down with 1-10Vdc dimmable multiwatt control gear.

Applications - Offices, educational facilities, medical facilities and commercial buildings

Construction
- Powder coated Aluminum Frame
- Back plate – Aluminum
- Diffuser – Translucent white polycarbonate
- Junction Box – Electro Galvanized Iron 1.6T
### Ordering Information

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Watt</th>
<th>Input Voltage (V)</th>
<th>Dimen. (°)</th>
<th>Mount</th>
<th>CCT Distribution</th>
<th>Frame Color</th>
<th>Wire</th>
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<th>Options</th>
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<tbody>
<tr>
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<td>50W</td>
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<td>Y</td>
<td>3500K</td>
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<td>1-10V</td>
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<td>1-10V</td>
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<td>1-10V</td>
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### Specification

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<tr>
<th>Model Number</th>
<th>Power Consumption (W)</th>
<th>Luminous Flux (lm)</th>
<th>Luminance Efficacy (lm/W)</th>
<th>Input Voltage (V)</th>
<th>Color Temperature (°C)</th>
<th>CRI (Ra)</th>
<th>Operating Temperature (°C)</th>
<th>Distribution (°)</th>
<th>Dimension (L x W x H)</th>
<th>Weight (lb/kg)</th>
<th>Lifetime (h)</th>
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<td>17.6 / 8.0</td>
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To improve quality, changes and updates in specification may be made without prior notice.
**DONGBU LIGHTEC**

**Global Network**

Since founded in 1989, **Dongbu Lightec** has been growing as a leading global manufacturer in the fields of LED lighting.

<table>
<thead>
<tr>
<th>BUSINESS NAME</th>
<th>ADDRESS</th>
<th>TEL</th>
<th>FAX</th>
<th>PRODUCT</th>
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<tbody>
<tr>
<td><strong>U.S.A.</strong></td>
<td>205 Robin Rd Suite 203, Paramus, NJ 07652 USA</td>
<td>+1-201-265-6600</td>
<td>+1-201-265-6601</td>
<td>LED Lighting</td>
<td><a href="http://www.dongbulightecusa.com">www.dongbulightecusa.com</a></td>
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<tr>
<td><strong>JAPAN</strong></td>
<td>2F Arcadia Building 1-12-3 Kanda Suda-cho Chiyoda-ku Tokyo Japan 101-0041</td>
<td>+81-3-5577-5760</td>
<td>+81-3-5577-5699</td>
<td>LED Lighting</td>
<td><a href="http://www.dongbulightec.jp">www.dongbulightec.jp</a></td>
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<tr>
<td><strong>CHINA</strong></td>
<td>No.8, Rongyao Street, Jichang Road, Zhipu, Yantai City, Shandong Province, China</td>
<td>+86-535-6020375</td>
<td>+86-535-6020379</td>
<td>CNC, LED Lighting, LumiSheet</td>
<td><a href="http://www.dlc-lumisheet.com">www.dlc-lumisheet.com</a></td>
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<tr>
<td><strong>CANADA</strong></td>
<td>2700 John St. Markham, ON L3R 2W4, Canada</td>
<td>+1-447-339-7327</td>
<td>+1-905-474-0555</td>
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