Yuan Ming Lighting Technology Company, Ltd. (YML) was established in 1999 and is located in Shanghai, one of the best known economic regions of the Western Pacific. YML specializes in LED & electrodeless induction lamp technology research & development and energy-saving applications. The company’s predecessor, the Yuan Ming Ballast Factory, was founded in 1989.

Over the last 20 years, YML has become one of the largest manufacturers in China. In response to the country’s plans for energy efficiency, YML provided LED & induction lamps, relevant lighting fixtures, and appliances.

In 2003, after the success of its first plant, YML expanded into a 35,000 square meter, energy-efficient industrial manufacturing base and R&D Center in the Shanghai Integrative Industrial Development Area, the top level industrial area in the city. The new facility utilizes modern R & D methods and control systems such as sterile work areas and efficient lighting laboratories. The company also proudly employs a variety of fully automatic assembly lines and computer program-controlled equipment. These endeavors effectively guarantee stability and consistency in its products.

YML has over 50 patents on LED & induction lamp products. It also earned the title of the Shanghai High-Tech Enterprise Award. YML has also obtained UL & CUL, CE, CB, SAA, FCC, CCC, ISO 9002, ISO14001, and numerous other certifications. The products have been used in many important projects such as Shanghai’s indoor stadium, the Shanghai World Expo Garden, Beijing Tian’anmen Square, and in many buildings of the top 500 enterprises in the city.

Yuan Ming Lighting has a strong technical service team, which provides technical consultations, lighting plans and solutions, testing, and after-sales service for domestic and overseas clients.
Applications
Roadways, Freeways, Highways, Parking Lots, Off-streets Areas, etc.

Dimensions [Inch (mm)]

Adjustable Angles

Ordering Information

Company code | Voltage | Type | Power | Ra | Colour Temp. | Colour Options | Optic | Options |
--- | --- | --- | --- | --- | --- | --- | --- | --- |
YML-1SL41L | 100-277VAC | 100W(9500Lumens) | 30 | 4000K | Silver(standard) | Type III | 4 | Photocell |

YML-1SL41M | 100-277VAC | 40W(4000Lumens) | 30 | 5000K | Black | Type II | 3 | Occuption sensor ( occupants control/ on/off control) |

Distribution Curve Flux

Type I | Type II | Type III

Roadways, Freeways, Highways, Parking Lots, Off-streets Areas, etc.
Applications
Roadways, Freeways, Highways, Parking Lots, Off-streets Areas, etc.

Applications
Parks, Courtyards, countryroad, etc.

Dimensions [Inch(mm)]

Distribution Curve Flux

PF 0.95.

Efficiency of chips: 138-150 lm/w

LENS: Optical grade PC, anti-UV oxidation.

Beam Angle: Type II, Type III

Housing: die casting aluminum housing with excellent heat dissipation, surface treated with powder coated finish for corrosion and static resistance.

Input voltage: 100-277 VAC, 50/60 HZ

LED module can be dismantled separately for maintenance.

LED driver: constant current, efficiency is up to 92%, PF=0.95.

IP class: IP 65

Ordering Information
Example: YML-1AL35S-23-750-S-4

Example: YML-1SL02-60-750-S-2-1

Ordering Information
Company code Voltage Type Power Ra Colour Temp. Colour Options Optic Options

Company code Voltage Type Power Ra Colour Temp. Colour Options Optic Options

Options

Optic

- 0-10V dimming

Silver (standard)

Black

Coffee

- Type II

- Type III

- US LISTED

- US LISTED

- Silver (standard)

- 0-10V dimming

- Photocell

- Daylight

- 6500K

- 5000K

- 4000K

- 3000K

- 2700K
**Applications**

Parking lots, pedestrian walkways, roadways and other outdoor applications.

**Dimension (Unit: Inch/mm)**

<table>
<thead>
<tr>
<th>Type</th>
<th>Option</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type I</td>
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<td></td>
</tr>
<tr>
<td>Type II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type IV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Distribution Curve/Flux**

- Type I
- Type II
- Type III
- Type IV
- Type V

**Ordering Information**

Example: YML-1SB31S-150-750-C-E6-3-1

<table>
<thead>
<tr>
<th>Company Code</th>
<th>Voltage</th>
<th>Type</th>
<th>Power</th>
<th>Ra</th>
<th>Colour Options</th>
<th>Mounting</th>
<th>Optic</th>
<th>Options</th>
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<tbody>
<tr>
<td>YML</td>
<td>100-277VAC</td>
<td>SB 31S</td>
<td>150W</td>
<td>80</td>
<td>Coffee (standard)</td>
<td>Slip Filter</td>
<td>Type I</td>
<td>60º 10V dimming</td>
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<tr>
<td></td>
<td>277-480VAC</td>
<td></td>
<td></td>
<td></td>
<td>Black</td>
<td>U-Bracket</td>
<td>Type II</td>
<td>Fixing dimming</td>
</tr>
<tr>
<td></td>
<td>347-460VAC</td>
<td></td>
<td></td>
<td></td>
<td>Silver</td>
<td>Straight Arm+Fixing Seat</td>
<td>Type III</td>
<td>Occupancy sensor (DIMming control/on/off control)</td>
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<tr>
<td></td>
<td>570W</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Type IV</td>
<td>Photocell</td>
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<tr>
<td></td>
<td>650W</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Type V</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:** 100W and 150W luminaires with high voltage 277-480 VAC can not install occupancy sensor.
**Shoe Box Lighting**

**YML-1SB02 Series**

- Efficiency of chips: 138-150 lm/w
- LENS: Optical grade PC, anti-UV oxidation.
- Beam Angle: Type II, Type III, Type IV, Type V

**Applications**
Parking Lots, Pedestrian Walkways and other Outdoor Applications.

**Dimensions [Inch(mm)]**

**Distribution Curve Flux**

**Mounting Mode Options**

- Slip Flitter
- Straight Arm
- U-Bracket
- Slant Arm + Fixing Seat

**Ordering Information**

Example: YML-1SB02-80-750-C-E6-3-1

<table>
<thead>
<tr>
<th>Company code</th>
<th>Voltage</th>
<th>Type</th>
<th>Power</th>
<th>Colour Options</th>
<th>Mounting</th>
<th>Optic</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>YML</td>
<td>1</td>
<td>100-277VAC</td>
<td>80</td>
<td>type II</td>
<td>S</td>
<td>2</td>
<td>1-10V dimming</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>200-240VAC</td>
<td>80</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>277-480VAC</td>
<td>80</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>100-120VAC</td>
<td>80</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>347-480VAC</td>
<td>80</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Tunnel Lighting**

**YML-1TL31 Series**

- Efficiency of chips: 138-150 lm/w
- LENS: Optical grade PC, anti-UV oxidation.
- Beam Angle: 140°, 90°

**Applications**
Highway Tunnels, Road Tunnels, Below Viaducts, Freeways, Public Entrances, etc.

**Dimensions [Inch(mm)]**

**Distribution Curve Flux**

**Ordering Information**

Example: YML-1TL31-200-750-C-140-090-1

<table>
<thead>
<tr>
<th>Company code</th>
<th>Voltage</th>
<th>Type</th>
<th>Power</th>
<th>Colour Options</th>
<th>Mounting</th>
<th>Optic</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>YML</td>
<td>1</td>
<td>100-277VAC</td>
<td>150</td>
<td>type II</td>
<td>S</td>
<td>2</td>
<td>1-10V dimming</td>
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<tr>
<td></td>
<td>2</td>
<td>200-240VAC</td>
<td>150</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>277-480VAC</td>
<td>150</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>100-120VAC</td>
<td>150</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>347-480VAC</td>
<td>150</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Efficiency of chips: 138-150 lm/w
- LENS: Optical grade PC, anti-UV oxidation.
- Beam Angle: 140°, 90°
- Housing: die casting aluminum housing with excellent heat dissipation, surface treated with powder coated finish for corrosion and static resistance.
- Input voltage: 100-277 VAC, 277~480VAC, 50/60 HZ
- LED module can be dismantled separately for maintenance.
- LED driver: constant current, efficiency up to 92%, PF>0.95.
- IP class: IP65
**High Bay Lighting**

**YML-1HB31 Series**

Specially used in warehouse

- Efficiency of chips: 138-150 lm/W
- LENS: Optical grade/PC, anti-UV oxidation.
- Beam Angle: 140° × 90°, 115° × 55°
- Housing: die casting aluminum housing with excellent heat dissipation, surface treated with powder coated finish for corrosion and static resistance.
- LED module can be dismantled separately for maintenance.
- Input voltage: 100-277 VAC, 277~480VAC, 50/60 Hz
- LED driver: constant current, efficiency is up to 92%, PF ≥ 0.95.
- IP class: IP 65
- with powder coated finish for corrosion and static resistance.

**Beam Angle:** 40°, 60°, 100°, 140°, 115° × 55°

**LENS:** Optical grade PC, anti-UV oxidation.

**Efficiency of chips:** 138-150 lm/W

**Ordering Information**

<table>
<thead>
<tr>
<th>Company code</th>
<th>Voltage</th>
<th>Type</th>
<th>Power</th>
<th>Ra</th>
<th>Colour Temp.</th>
<th>Colour Options</th>
<th>Optic</th>
<th>Options</th>
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</thead>
<tbody>
<tr>
<td>YML</td>
<td>100-277VAC</td>
<td>HB 31S</td>
<td>80W (8000Lumens)</td>
<td>70</td>
<td>2700K</td>
<td>Coffe(standard)</td>
<td>B</td>
<td>Silver</td>
</tr>
<tr>
<td></td>
<td>140</td>
<td></td>
<td></td>
<td></td>
<td>5000K</td>
<td>Black</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5000K</td>
<td></td>
<td></td>
<td></td>
<td>6500K</td>
<td>Silver</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Example:** YML-1HB31S-80-750-C-140-090-1

**Distribution Curve Flux**

- 140° × 90°
- 115° × 55°

---

**High Bay Lighting**

**YML-1HB37 Series**

Specially used in warehouse, Gas Stations, Supermarkets, and other Indoor Locations.

- Applications: Industrial Factories, Warehouses, Stadium, Airport, Railway Stations, Gas Stations, Supermarkets, and other Indoor Locations.

**Voltage**

- 100-277VAC
- 277~480VAC

**Power**

- 15.3 (388) 15.0 (380)
- 11.7 (298) 11.5 (292)

**Wattage**

- 6.5 (164) 8.5 (215)
- 5.3 (135) 6.4 (163)

**Applications**

- Industrial Factories, Warehouses, Stadium, Airport, Railway Stations, Gas Stations, Supermarkets, and other Indoor Locations.

**Ordering Information**

<table>
<thead>
<tr>
<th>Company code</th>
<th>Voltage</th>
<th>Type</th>
<th>Power</th>
<th>Ra</th>
<th>Colour Temp.</th>
<th>Colour Options</th>
<th>Optic</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>YML</td>
<td>100-277VAC</td>
<td>HB 37L</td>
<td>40W (4000Lumens)</td>
<td>70</td>
<td>2700K</td>
<td>Green(standard)</td>
<td>B</td>
<td>Black</td>
</tr>
<tr>
<td></td>
<td>200-400VAC</td>
<td>HB 37M</td>
<td>60W (6000Lumens)</td>
<td>60</td>
<td>5700K</td>
<td>Black</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>150-300VAC</td>
<td>HB 37S</td>
<td>80W (8000Lumens)</td>
<td>90</td>
<td>3000K</td>
<td>Black</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Example:** YML-1HB37L-200-750-G-100-1

- 0-10V dimming
- Timing dimming
- Occupancy sensor (dimming control off control)

---

**High Bay Lighting**

**YML-1HB33 Series**

Specially used in warehouse, Gas Stations, Supermarkets, and other Indoor Locations.

- Applications: Industrial Factories, Warehouses, Stadium, Airport, Railway Stations, Gas Stations, Supermarkets, and other Indoor Locations.

**Voltage**

- 277V ~ 100V
- 277V ~ 200V
- 277V ~ 300V

**Power**

- 15.3 (388) 15.0 (380)
- 11.7 (298) 11.5 (292)

**Wattage**

- 6.5 (164) 8.5 (215)
- 5.3 (135) 6.4 (163)

**Applications**

- Industrial Factories, Warehouses, Stadium, Airport, Railway Stations, Gas Stations, Supermarkets, and other Indoor Locations.

**Ordering Information**

<table>
<thead>
<tr>
<th>Company code</th>
<th>Voltage</th>
<th>Type</th>
<th>Power</th>
<th>Ra</th>
<th>Colour Temp.</th>
<th>Colour Options</th>
<th>Optic</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>YML</td>
<td>100-277VAC</td>
<td>HB 31S</td>
<td>80W (8000Lumens)</td>
<td>70</td>
<td>2700K</td>
<td>Coffe(standard)</td>
<td>B</td>
<td>Silver</td>
</tr>
<tr>
<td></td>
<td>140</td>
<td></td>
<td></td>
<td></td>
<td>5000K</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5000K</td>
<td></td>
<td></td>
<td></td>
<td>6500K</td>
<td>Silver</td>
<td></td>
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</tr>
</tbody>
</table>

**Example:** YML-1HB31S-80-750-C-140-090-1

- 0-10V dimming
- Timing dimming
- Occupancy sensor (dimming control off control)

---

**High Bay Lighting**

**YML-1HB37 Series**

Specially used in warehouse, Gas Stations, Supermarkets, and other Indoor Locations.

- Applications: Industrial Factories, Warehouses, Stadium, Airport, Railway Stations, Gas Stations, Supermarkets, and other Indoor Locations.

**Voltage**

- 277V ~ 100V
- 277V ~ 200V
- 277V ~ 300V

**Power**

- 15.3 (388) 15.0 (380)
- 11.7 (298) 11.5 (292)

**Wattage**

- 6.5 (164) 8.5 (215)
- 5.3 (135) 6.4 (163)

**Applications**

- Industrial Factories, Warehouses, Stadium, Airport, Railway Stations, Gas Stations, Supermarkets, and other Indoor Locations.

**Ordering Information**

<table>
<thead>
<tr>
<th>Company code</th>
<th>Voltage</th>
<th>Type</th>
<th>Power</th>
<th>Ra</th>
<th>Colour Temp.</th>
<th>Colour Options</th>
<th>Optic</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>YML</td>
<td>100-277VAC</td>
<td>HB 37L</td>
<td>40W (4000Lumens)</td>
<td>70</td>
<td>2700K</td>
<td>Green(standard)</td>
<td>B</td>
<td>Black</td>
</tr>
<tr>
<td></td>
<td>200-400VAC</td>
<td>HB 37M</td>
<td>60W (6000Lumens)</td>
<td>60</td>
<td>5700K</td>
<td>Black</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>150-300VAC</td>
<td>HB 37S</td>
<td>80W (8000Lumens)</td>
<td>90</td>
<td>3000K</td>
<td>Black</td>
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</tbody>
</table>

**Example:** YML-1HB37L-200-750-G-100-1

- 0-10V dimming
- Timing dimming
- Occupancy sensor (dimming control off control)
YML-1HB37L Series 
(Anti-glare Lighting)

Applications
Swimming pool, Badminton stadium, Basketball gym, Table tennis hall and other indoor arena, as well as shopping malls which need high anti-glare locations.

• Efficiency of chips: 138-150 lm/W
• LENS: Optical grade PC, anti-UV oxidation.
• Beam Angle: Type V
• Housing: die casting aluminum housing with excellent heat dissipation, surface treated with powder coated finish for corrosion and static resistance.
• Input voltage: 100-277 VAC, 277~480VAC, 50/60 HZ
• LED module can be dismantled separately for maintenance.
• LED driver: constant current, efficiency is up to 92%, IP class: IP 65

Ordering Information
Example: YML-1HB37L-200-750-G-SR-5-1

<table>
<thead>
<tr>
<th>Company code</th>
<th>Voltage</th>
<th>Type</th>
<th>Power</th>
<th>Ra</th>
<th>Colour Temp.</th>
<th>Colour Options</th>
<th>Mounting</th>
<th>Optic</th>
<th>Options</th>
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<tbody>
<tr>
<td>YML</td>
<td>100-277V</td>
<td>200</td>
<td>65000</td>
<td>75</td>
<td>2700K</td>
<td>G (Green)</td>
<td>G</td>
<td>G</td>
<td>Steel-Rope</td>
</tr>
<tr>
<td></td>
<td>200-240V</td>
<td>300</td>
<td>65000</td>
<td>75</td>
<td>2700K</td>
<td>G (Green)</td>
<td>G</td>
<td>G</td>
<td>Steel-Rope</td>
</tr>
<tr>
<td></td>
<td>100-120V</td>
<td>400</td>
<td>65000</td>
<td>75</td>
<td>2700K</td>
<td>G (Green)</td>
<td>G</td>
<td>G</td>
<td>Steel-Rope</td>
</tr>
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<td>120-160V</td>
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<td>75</td>
<td>2700K</td>
<td>G (Green)</td>
<td>G</td>
<td>G</td>
<td>Steel-Rope</td>
</tr>
</tbody>
</table>

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Flood Lighting 
YML-1FL37 Series

Applications
Gymnasiums, Billboards, Buildings, Parks, Pools, Parking Lots, Plazas, etc.

• Efficiency of chips: 138-150 lm/W
• LENS: Optical grade PC, anti-UV oxidation.
• Beam Angle: 10°, 25°, 40°, 60°, 100°, 140°, 115°
• Housing: die casting aluminum housing with excellent heat dissipation, surface treated with powder coated finish for corrosion and static resistance.
• Input voltage: 100-277 VAC, 277~480VAC, 50/60 HZ
• LED module can be dismantled separately for maintenance.
• LED driver: constant current, efficiency is up to 92%, IP class: IP 65

Ordering Information
Example: YML-1FL37S-40-750-G-010-1H

<table>
<thead>
<tr>
<th>Company code</th>
<th>Voltage</th>
<th>Type</th>
<th>Power</th>
<th>Ra</th>
<th>Colour Temp.</th>
<th>Colour Options</th>
<th>Mounting</th>
<th>Optic</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>YML</td>
<td>100-277V</td>
<td>200</td>
<td>65000</td>
<td>75</td>
<td>2700K</td>
<td>G (Green)</td>
<td>G</td>
<td>G</td>
<td>Steel-Rope</td>
</tr>
<tr>
<td></td>
<td>200-240V</td>
<td>300</td>
<td>65000</td>
<td>75</td>
<td>2700K</td>
<td>G (Green)</td>
<td>G</td>
<td>G</td>
<td>Steel-Rope</td>
</tr>
<tr>
<td></td>
<td>100-120V</td>
<td>400</td>
<td>65000</td>
<td>75</td>
<td>2700K</td>
<td>G (Green)</td>
<td>G</td>
<td>G</td>
<td>Steel-Rope</td>
</tr>
</tbody>
</table>

---
Applications
- Gymnasiums
- Billboards
- Buildings
- Parks
- Pools
- Parking Lots
- Plazas, etc.

YML-1FL31S Series
Flood Lighting

Distribution Curve Flux

Ordering Information

Example: YML-1FL31S-150-750-C-S-010-1

<table>
<thead>
<tr>
<th>Company code</th>
<th>Voltage Type</th>
<th>Power</th>
<th>Colour Options</th>
<th>Mounting</th>
<th>Optic</th>
<th>Options</th>
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<tbody>
<tr>
<td>YML FL 31</td>
<td>150W (15000Lumens)</td>
<td>70, 80, 90</td>
<td>Black, Silver</td>
<td>Slip filter, U-Bracket</td>
<td>010</td>
<td>10, 20, 50</td>
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<td>200W (18500Lumens)</td>
<td>70, 80, 90</td>
<td>Black, Silver</td>
<td>Slip filter, U-Bracket</td>
<td>010</td>
<td>10, 20, 50</td>
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<td>300W (28500Lumens)</td>
<td>70, 80, 90</td>
<td>Black, Silver</td>
<td>Slip filter, U-Bracket</td>
<td>010</td>
<td>10, 20, 50</td>
</tr>
</tbody>
</table>

- D driver: constant current, efficiency > 92%
- Class: IP65
- PF > 0.95
- Efficiency of chips: 138-150 lm/w
- LENS: Optical grade PC, anti-UV oxidation
- Beam Angle: 10°, 25°, 40°, 60°, 100°, special beam angle is available upon request
- Housing: die casting aluminum housing with excellent heat dissipation, surface treated with powder coated finish for corrosion and static resistance
- Input voltage: 100-277 VAC, 277-480VAC, 50/60 HZ
- LED module can be dismantled separately for maintenance
- LED driver: constant current, efficiency is up to 92%
- IP class: IP 65

Dimension [Inch(mm)]

- 1.8 (45.72)
- 2.5 (63.5)
- 3.5 (88.9)
- 7 (177.8)
- 11.8 (300)
- 14.5 (370)
- 3-0.5 (13)

Distribution Curve Flux
### Applications
Parking Lots, Garages, Gas Stations, Corridors, Schools, Shopping Malls, etc.

#### Efficiency of chips: 138-150 lm/w
- Beam Angle: TYPE V
- Housing: die casting aluminum housing with excellent heat dissipation, surface treated with powder coated finish for corrosion and static resistance.
- LED module can be dismantled separately for maintenance.
- LED driver: constant current, efficiency is up to 92%, PF ≥ 0.95.
- IP class: IP65

### Dimension [Inch(mm)]

#### Distribution Curve Flux

**Example:** YML-1GS37SP-40-750-G-5-1

<table>
<thead>
<tr>
<th>Company</th>
<th>Voltage</th>
<th>Type</th>
<th>Power</th>
<th>Ra</th>
<th>Colour Temp.</th>
<th>Colour Options</th>
<th>Optic</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>YML</td>
<td>1 100-277VAC</td>
<td>GS37SP</td>
<td>40</td>
<td>70</td>
<td>2700K</td>
<td>G (Green)</td>
<td>Type V</td>
<td>1 0-10V dimming</td>
</tr>
<tr>
<td></td>
<td>2 200-240VAC</td>
<td></td>
<td></td>
<td>60</td>
<td>2700K</td>
<td>B (Black)</td>
<td></td>
<td>2 Timing dimming</td>
</tr>
<tr>
<td></td>
<td>3 100-120VAC</td>
<td></td>
<td></td>
<td>60</td>
<td>2700K</td>
<td>C (Coffee)</td>
<td></td>
<td>3 Occupancy sensor (dimming control on/off control)</td>
</tr>
<tr>
<td></td>
<td>4 277-485VAC</td>
<td></td>
<td></td>
<td>60</td>
<td>2700K</td>
<td>S (Silver)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5 347-485VAC</td>
<td></td>
<td></td>
<td>60</td>
<td>6500K</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Ordering Information

**Example:** YML-1GS37SP-40-750-G-5-1

<table>
<thead>
<tr>
<th>Company</th>
<th>Voltage</th>
<th>Type</th>
<th>Power</th>
<th>Ra</th>
<th>Colour Temp.</th>
<th>Colour Options</th>
<th>Optic</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>YML</td>
<td>1 100-277VAC</td>
<td>GS37SP</td>
<td>40</td>
<td>70</td>
<td>2700K</td>
<td>G (Green)</td>
<td>Type V</td>
<td>1 0-10V dimming</td>
</tr>
<tr>
<td></td>
<td>2 200-240VAC</td>
<td></td>
<td></td>
<td>60</td>
<td>2700K</td>
<td>B (Black)</td>
<td></td>
<td>2 Timing dimming</td>
</tr>
<tr>
<td></td>
<td>3 100-120VAC</td>
<td></td>
<td></td>
<td>60</td>
<td>2700K</td>
<td>C (Coffee)</td>
<td></td>
<td>3 Occupancy sensor (dimming control on/off control)</td>
</tr>
<tr>
<td></td>
<td>4 277-485VAC</td>
<td></td>
<td></td>
<td>60</td>
<td>2700K</td>
<td>S (Silver)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5 347-485VAC</td>
<td></td>
<td></td>
<td>60</td>
<td>6500K</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Garage Site/Canopy Lighting

YML-1GS31 Series

Applications
Parking Lots, Garages, Gas Stations, Corridors, Schools, Shopping Malls, etc.

PF 0.95.

Efficiency of chips: 138-150 lm/w

Beam Angle: Type V

Cover: high light transmittance PC, anti-UV oxidation.

Housing: die casting aluminum housing with excellent heat dissipation, surface treated with powder coated finish for corrosion and static resistance.

Input voltage: 100-277 VAC, 277~480VAC, 50/60Hz

LED driver: constant current, efficiency is up to 92%, IP class: IP53

Optic

Colour Temp.

Colour Options

Optic

Options

Distribution Curve Flux

Ordering Information

Example: YML-1GS31B-40-750-C-4-1

Options

1 0~10V dimming
2 Timing dimming
3 Occupancy sensor (dimming control/on off control)

Type V

YML-1GS31B Series

Applications
Parking Lots, Garages, Gas Stations, Corridors, Schools, Shopping Malls, etc.

UL 1598

DLC

PF ≥0.95.

Input voltage: 100-277 VAC, 277~480VAC, 50/60Hz

LED driver: constant current, efficiency is up to 92%, IP class: IP53

Optic

Colour Temp.

Colour Options

Optic

Options

Distribution Curve Flux

Ordering Information

Example: YML-1GS31B-200-750-C-060-1
### Wall Pack Lighting

#### YML-1WP01AG Series

- **Applications**: Parks, Shopping Malls, Courtyards, Historic Areas, etc.
- **YML-1WP01AG Series**
- **Distribution Curve Flux**
- **YML-1WP01AG-40-750**
- **UL 1598**
- **PF 0.95.**
- **Efficiency of chips: 138-150 lm/w**
- **Cover: glass, PC cover is also available.**
- **Beam Angle: asymmetry distribution**
- **Housing: die casting aluminum housing with excellent heat dissipation, surface treated with powder coated finish for corrosion and static resistance.**
- **Input voltage: 100-277 VAC, 50/60 HZ**
- **LED driver: constant current, efficiency is up to 92%, PF ≥ 0.95.**
- **IP class: IP65**

#### Ordering Information

- Example: YML-1WP01AG-40-750-C-A-1
- **Options**
  - 0~10V dimming
  - Timing dimming
  - Occupancy sensor (dimming control/on off control)

<table>
<thead>
<tr>
<th>Company Code</th>
<th>Voltage</th>
<th>Type</th>
<th>Power</th>
<th>Ra</th>
<th>Colour Options</th>
<th>Optic</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>YML</td>
<td>1</td>
<td>100-277VAC</td>
<td>70</td>
<td>70</td>
<td>2700K</td>
<td>2</td>
<td>Type II</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>200-240VAC</td>
<td>60</td>
<td>60</td>
<td>3000K</td>
<td>3</td>
<td>Type III</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>100-120VAC</td>
<td>40</td>
<td>40</td>
<td>4000K</td>
<td>4</td>
<td>Type IV</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>277-480VAC</td>
<td>30</td>
<td>30</td>
<td>5000K</td>
<td>5</td>
<td>Type IV</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>347-600VAC</td>
<td>27</td>
<td>27</td>
<td>6000K</td>
<td>6</td>
<td>Type IV</td>
</tr>
</tbody>
</table>

### Wall Pack Lighting

#### YML-1WP32M Series

- **Applications**: Parks, Shopping Malls, Courtyards, Historic Areas, etc.
- **YML-1WP32M Series**
- **Distribution Curve Flux**
- **YML-1WP32M-80-750-C-3-1**
- **LED module can be dismantled separately for maintenance.**
- **LED driver: constant current, efficiency is up to 92%, PF ≥ 0.95.**
- **IP class: IP65**

#### Ordering Information

- Example: YML-1WP32M-80-750-C-3-1
- **Options**
  - 0~10V dimming
  - Timing dimming
  - Occupancy sensor (dimming control/on off control)

<table>
<thead>
<tr>
<th>Company Code</th>
<th>Voltage</th>
<th>Type</th>
<th>Power</th>
<th>Ra</th>
<th>Colour Options</th>
<th>Optic</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>YML</td>
<td>1</td>
<td>100-277VAC</td>
<td>70</td>
<td>70</td>
<td>2700K</td>
<td>2</td>
<td>Type II</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>200-240VAC</td>
<td>60</td>
<td>60</td>
<td>3000K</td>
<td>3</td>
<td>Type III</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>100-120VAC</td>
<td>40</td>
<td>40</td>
<td>4000K</td>
<td>4</td>
<td>Type IV</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>277-480VAC</td>
<td>30</td>
<td>30</td>
<td>5000K</td>
<td>5</td>
<td>Type IV</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>347-600VAC</td>
<td>27</td>
<td>27</td>
<td>6000K</td>
<td>6</td>
<td>Type IV</td>
</tr>
</tbody>
</table>

- **Voltage**
  - 100-277VAC
  - 100-120VAC
  - 200-240VAC
  - 277-480VAC
  - 347-600VAC

- **Power**
  - 40W (4100Lumens)
  - 50W (4800Lumens)
  - 60W (5500Lumens)
  - 80W (8200Lumens)
  - 100W (9800Lumens)

- **Colour Options**
  - Coffee (standard)
  - Black
  - Silver

- **Ra**
  - 70
  - 80
  - 90

- **Colour Options**
  - 2700K
  - 3000K
  - 4000K
  - 5000K
  - 6000K
  - 7000K
  - 8500K

- **Optic**
  - Type II
  - Type III
  - Type IV

- **Dimension [Inch (mm)]**
  - **Type II**
    - 9.06 (230)
    - 10.7 (273)
  - **Type III**
    - 7.52 (191)
    - 8.35 (212)
  - **Type IV**
    - 5.6 (142)
    - 5.6 (142)

- **Type III**
  - 2700K (2700K)
  - 3000K (3000K)
  - 4000K (4000K)
  - 5000K (5000K)
  - 6500K (6500K)

- **Type IV**
  - 2700K (2700K)
  - 3000K (3000K)
  - 4000K (4000K)
  - 5000K (5000K)
  - 5700K (5700K)
  - 6500K (6500K)

- **Optic**
  - 0~10V dimming
Wall Pack Lighting

YML-1WP02 Series

Applications
- Parks, Shopping Malls, Courtyards, Historic Areas, etc.

YML-1WP01G Series

Applications
- Parks, Shopping Malls, Courtyards, Historic Areas, etc.

Ordering Information
Example: YML-1WP01G-80-750-C-A-1

<table>
<thead>
<tr>
<th>Company code</th>
<th>Voltage</th>
<th>Type</th>
<th>Power</th>
<th>Ra</th>
<th>Colour Temp.</th>
<th>Colour Options</th>
<th>Optic</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>YML</td>
<td>1</td>
<td>100-277VAC</td>
<td>100-277Lumen</td>
<td>70</td>
<td>70</td>
<td>27</td>
<td>27</td>
<td>0-10V dimming</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>200-240VAC</td>
<td>200-240Lumen</td>
<td>70</td>
<td>70</td>
<td>27</td>
<td>27</td>
<td>0-10V dimming</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>100-120VAC</td>
<td>100-120Lumen</td>
<td>70</td>
<td>70</td>
<td>27</td>
<td>27</td>
<td>0-10V dimming</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>277-480VAC</td>
<td>277-480Lumen</td>
<td>70</td>
<td>70</td>
<td>27</td>
<td>27</td>
<td>0-10V dimming</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>347-480VAC</td>
<td>347-480Lumen</td>
<td>70</td>
<td>70</td>
<td>27</td>
<td>27</td>
<td>0-10V dimming</td>
</tr>
</tbody>
</table>

License: UL1598, DLC1000
LED Module

### Applications
- Parks
- Shopping Malls
- Courtyards
- Historic Areas, etc.

### Dimension [ Inch(mm) ]

#### Distribution Curve Flux

- **YML-1PT34-25-750**
- **YML-1PT34-40-750**
- **YML-1PT34-60-750**
- **YML-1PT34-80-750**

### Ordering Information

**Example: YML-1PT34-25-750-B-140-1**

#### Options
- **1**: 0~10V dimming
- **2**: Timing dimming
- **3**: Occupancy sensor (dimming control/on-off control)
- **4**: Photocell

### Company Code

- **YML**
- **PT**
- **25**
- **Power**
- **Ra**
- **Colour Options**
- **Optic**
- **Options**

### Post Top Lighting

**YML-1PT34 Series**

- **Structure**: distinct design with retro appearance
- **Beam Angle**: 140°
- **Lampshade**: transparent PC, anti-UV
- **Housing**: die casting aluminum housing with excellent heat dissipation, surface treated with powder coated finish for corrosion and static resistance
- **Installation**: pole mounting
- **Input Voltage**: 100-277VAC, 50/60Hz
- **IP Class**: IP67

### LED Module

- **Efficiency of chips**: 138-150 lm/w
- **Quantity of LED**: 16
- **CCT**: 5000K (other CCT available upon request)
- **LENS**: Optical grade PC, anti-UV
- **Beam Angle**: various lighting distributions available
- **Housing of module**: High pressure die casting aluminum with excellent heat dissipation, surface treated with powder coated finish for corrosion resistance
- **Matching power supply**: 48~55 VDC
1S Series
LED Driver
Input: 90~305VAC (Note: Decrating may be needed under 100VAC)
Output: 47~63Hz
Cold start: < 1000mS

Class 2 Driver

Dimension[ Unit: Inch(mm)]

- Universal full range input
- Built-in active power factor correction function.
- Short circuit/open circuit/overvoltage protection.
- IP 66
- Cooling by free air convection
- Suitable for dry and damp locations.
- Suitable for LED lighting

AC Input Voltage Range: 90~277VAC (Note: Decrating may be needed under 100VAC)
Start Time: Cold start: 1000mS
Withstand Voltage: 1P-O/P: 3.75KVAC, 1P-FG: 2KVAC, O/P-FG: 0.5KVAC

LED Short Circuit Protection
When short circuit occurs, the input power of driver will be reduced without damage. When the faults is excluded, the driver will automatically return to be normal.

LED Open Circuit Protection
When open circuit occurs, the product is protected in hiccup mode with no damage. When the fault is excluded, the product will work normally.

Overvoltage Protection
When output voltage is over 60V , overvoltage protection will be started with no output. The driver will work normally after restarting.

Working Temperature: -40°C~70°C (-40°C~+50°C conforms with 5 years warranty)
Working Humidity: 20-95% RH, non-condensing
Storage Temperature and Humidity: -40 ~80 , 10~95%RH, non-condensing

Connector
Input: SJTW 18AWG x 3C (150mm)
Output: SVT 18AWG x 2C (150mm)

Model | Input Voltage(V) | Input Current (A) | Output Voltage(V) | Output Current(A) | Efficiency | Power Factor | THD |
--- | --- | --- | --- | --- | --- | --- | --- |
1S30S048 | 100~277VAC | 0.14~0.34 | 27~48V | 0.14 | 0.88 | > 0.9 | < 20% |
1S40S048 | 100~277VAC | 0.18~0.45 | 27~48V | 0.18 | 0.9 | > 0.9 | < 20% |
1S50S048 | 100~277VAC | 0.20~0.51 | 27~48V | 0.20 | 0.9 | > 0.9 | < 20% |
1S60S048 | 100~277VAC | 0.24~0.69 | 27~48V | 0.24 | 0.9 | > 0.9 | < 20% |
1S80S048 | 100~277VAC | 0.31~0.85 | 27~48V | 0.31 | 0.9 | > 0.9 | < 20% |

LED Driver
1S Series
Class 2 Driver

Distribution Curve Flux
1. Street Lighting Series
2. Architectural Lighting Series
3. Industrial Lighting Series
4. Billboard Lighting Series

Asymmetric degree

Universal full range input
Built-in active power factor correction function.
Short circuit/open circuit/overvoltage protection.
IP 66
Cooling by free air convection
Suitable for dry and damp locations.
Suitable for LED lighting

Universal full range input
Built-in active power factor correction function.
Short circuit/open circuit/overvoltage protection.
IP 66
Cooling by free air convection
Suitable for dry and damp locations.
Suitable for LED lighting
**LED Driver**

**1H Series**
Suitable for dry, damp and wet locations.

- Universal full range input
- Built-in active PFC circuit
- Cooling by free air convection
- 5 years warranty
- Short circuit, over current, over voltage, over temperature protection.
- Dimming: optional 1-10V dimmable driver
  - IP class: IP65, suitable for indoor/outdoor use.
  - Suitable for dry, damp and wet locations.

**AC Input Voltage Range:** 90-305VAC
**Input Current (A):** Cold start max. 50A @ 230VAC
**Leakage Current:** 0.75A @ 277VAC

- **Working Humidity:** 20-85% RH non-condensing
- **Storage Temperature:** -40°C ~ +70°C
- **Vibration Test:** 50Hz, 5G, 10-150Hz, XYZ

**Model**

- Input Voltage (V): 100-277VAC
- Output Voltage (V): 20-48V
- Output Current (A): 0.44
- Efficiency: 90%
- Working Temperature: -30°C ~ 60°C
- THD: <23%

**Suffix of the Model:** 1H1505544

A regular driver B 1-10V dimming driver

---

**4ES Series**

- Suitable for 277-480VAC high-voltage input locations.
- Optional: 1-10V dimmable driver
- Standby power: <1.5W
- IP 67, suitable for UL in dry, damp and wet locations.
- Can be used in hazardous locations.

**AC Input Voltage Range:** 264-528VAC
**Input Frequency Range:** 47-63Hz
**Start Time:** < 1.5s
**Line Regulation:** < 0.5%
**Load Regulation:** < 0.5%
**Power Factor:** > 0.9
**THD:** < 20%
**Working Temperature:** -40°C ~ +60°C
**Safety Standard:** EN55015:2010:3-2 CLASS CEN/ENV161547-2-3, 4, 5, 6, 8, 10, 11, 1547

**Model**

- Input Voltage (V): 277-480VAC
- Output Voltage (V): 20-48V
- Output Current (A): 4.6
- Max. Output Power (W): 75
- Efficiency: 97%
- Working Temperature: -40°C ~ +60°C

**Suffix of the Model:** 4ES0755544

A regular driver B 1-10V dimming driver

---

**LED Driver**
LED Driver
1CG Series

- Universal full range input
- Built-in active PFC circuit
- Cooling by free air convection
- 5 years warranty
- Short circuit, over current, over voltage, over temperature protection.

Dimension [Unit: Inch (mm)]

AC Input Voltage Range: 100~277 VAC
Frequency Range: 47~63Hz
Start Time: Cold start
Withstand Voltage: I/P-O/P: 3.75kVAC
Working Temperature: -10~+45°C
Working Humidity: 20~90% RH, non-condensing

Model | Input Voltage(V) | Input Current (A) | Output Voltage(V) | Output Current(A) | Efficiency | Working Temperature | THD |
---|---|---|---|---|---|---|---|
1CG24B | 100~277 VAC | 0.01~0.27 | 15~28 | 0.4~0.7 | 88% | -10°C~+45°C | < 20% |
1CG30B | 100~277 VAC | 0.12~0.55 | 27~42 | 0.5~0.7 | 88% | -10°C~+45°C | < 20% |
1CG45B | 100~277 VAC | 0.18~0.51 | 26~34 | 1.0~1.2 | 88% | -10°C~+45°C | < 20% |
1CG60B | 100~277 VAC | 0.24~0.67 | 40~52 | 0.7~1.5 | 88% | -10°C~+45°C | < 20% |

Surge Protection Device
YML-SPD Series

- Build-in GDT, LED indicator (only 10, 25, 45 kA).
- Type 2 component assemblies.
- Line to Line & Line to Ground protected.
- Parallel (3 wires) connection style.
- IP 67 design for indoor or outdoor installations.

Applications
Suitable for the surge protection of induction ballast and LED driver.

Dimension [Unit Inch (mm)]

Model | Operating Voltage | MCOVmax. | VPR | Max. Surge Current (A) | Response Time | Withstand Voltage (V) | Operating Temperature | Safety Standards |
---|---|---|---|---|---|---|---|---|
YML-SPD-25-P | 100~277VAC 50/60 Hz | 1500V | 1250V | 20 kA | < 125kA | 25 kA | 45°C~75°C | UL1449, IEC61643-11 |
YML-SPD-10-P | 100~277VAC 50/60 Hz | 1500V | 1250V | 10 kA | < 125kA | 10 kA | -40°C~70°C | IEC61643-11 |
YML-SPD-4.5-P | 100~277VAC 50/60 Hz | 1500V | 1250V | 4.5 kA | < 125kA | 4.5 kA | 4.5 kA | - | |

Notes:
1. Mov 2 and Mov 3 must be removed during this test. The position of Mov 2 and Mov 3 is as shown in the circuit diagram.
2. The device (not including 4.5 kA) has been subjected to Surge testing and Short Circuit Current testing by employing a class J Fuse Rated 15A and minimum 690VAC.