Product customized expert, we achieve your ideas!

APPLICATIONS

Theta Lighting (HK) Limited
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Fax: 0086-755-28413176
E-mail: sales@thetalight.com
Web: www.thetalight.com
Theta Lighting was founded in 2010 and has from its inception always implemented high standards of manufacturing practices.

Our company produce high quality LED lighting products and provide alternative lighting solutions to our clients. Our products ensure safety, reliability, and value for users, to achieve this, our company relies on the personal commitment, experience, and skills of everyone in the organization working within a management system which satisfies all of the relevant requirements.

Our quality, testing and performance is second to none and we can provide the documentation to stand behind all of our claims. We warmly invite you to join us and work together to achieve our win-win cooperation and to stride toward a much brighter future.

We believe that you will enjoy cooperating with Theta Lighting.
LED Lattice 2835 Series

**MODEL:**
500mm / 600mm

**Introduction**
ThetaLight LATTICE LED Matrix Lighting System is the most versatile and practical illumination solution for indoor and outdoor signage cabinets and large area illumination.

Innovative design of LATTICE system comes in lightweight easy-to-install rolls, which allows for easy population of perfectly spaced LEDs in minutes for uniform backlit lighting.

Highest luminous efficiency 90Lm/W: The actual test in excess of 50% optical efficiency than similar products.

Application: Dedicated direct type backlight, advertising signs backlight, Advertising light boxes.

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimension (in/mm)</th>
<th>Product Size (in/mm)</th>
<th>Lumens (lms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Th-41s-60-24</td>
<td>41.6mm</td>
<td>500mm</td>
<td>100lm/w</td>
</tr>
<tr>
<td>Th-41s-41-24</td>
<td>41.6mm</td>
<td>500mm</td>
<td>100lm/w</td>
</tr>
<tr>
<td>Th-50s-50-24</td>
<td>50mm</td>
<td>598mm</td>
<td>100lm/w</td>
</tr>
</tbody>
</table>

**Technical Specifications**
- Voltage: 12/24V
- Power: 2.7W
- Power Factor: >0.9
- Beam angle: ° 120
- Lifespan: 36000hrs
- CRI: >80
- IP20
- CCT: 6000-6500K / 10000-12000K

**Web:** [www.thetalight.com](http://www.thetalight.com)
LED Lattice 3030 Series with lense

**MODEL:**
500mm

**Introduction**
ThetaLight LATTICE LED Matrix Lighting System is the most versatile and practical illumination solution for indoor and outdoor sign cabinets and large area illumination.

Innovative design of LATTICE system comes in lightweight easy-to-install rolls, which allows for easy population of perfectly spaced LEDs in minutes for uniform backlit lighting.

Highest luminous efficiency 100Lm/W. The actual test in excess of 50% optical efficiency than similar products.

Application: Dedicated direct type backlight, advertising signs backlight, Advertising light boxes.

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**Technical Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimension (in/mm)</th>
<th>Product Size (in/mm)</th>
<th>Luminous (lms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Th-T41X2-500</td>
<td>83mm</td>
<td>496x18x7 mm</td>
<td>510lms/bar</td>
</tr>
</tbody>
</table>

**Appearance Parameters**

- Voltage: 12/24V
- Power: 6W
- Power Factor: >0.9
- Beam angle: 160°
- CCT: 6000-6500K
- Lifespan: 36000hrs
- CRI: >80
- IP20
- CCT: 6000-6500K
- 10000-12000K

**Application**

Web: www.thetalight.com
LED Lattice Series

**MODEL:** 5730 Series
1000mm

**Introduction**

ThetaLight LATTICE LED Matrix Lighting System is the most versatile and practical illumination solution for indoor and outdoor sign cabinets and large area illumination.

Innovative design of LATTICE system comes in lightweight easy-to-install rolls, which allows for easy population of perfectly spaced LEDs in minutes for uniform backlight lighting.

Highest luminous efficiency 100LM/W. The actual test in excess of 50% optical efficiency than similar products.

Application: Dedicated direct type backlight, advertising signs backlight, Advertising light boxes.

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**Appearance Parameters**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimension (in/mm)</th>
<th>Product Size (in/mm)</th>
<th>Lumens (lms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-5730-1000-24WP</td>
<td>33mm</td>
<td>1000x18 mm</td>
<td>1530lm/bar</td>
</tr>
</tbody>
</table>

**Technical Specifications**

- Voltage: 12/24V
- Power: 14.4W
- Power Factor: >0.9
- Beam angle: 120 degrees
- CCT: 6000-6500K
- Lifespan: 36000hrs
- CRI: >80
- IP20
- CCT: 6000-6500K

**Application**

Web: www.thetalight.com
**Strip Light**

**MODEL: 2835 / 5050 / 3528 / 3014 / 5630**

**Introduction**

1. Low power consumption. High luminous
2. Every 3 LEDs(DC12V) or 6 LEDs(DC24V) can be cut with the marks, then re-joint
3. Operating temperature: -40 to +50 degree Celsius
4. Reel peaking and strong adhesive back, 3M glue tape stucked attached, easy installation,
5. Continuous length with the quick connector

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**Technical Specifications**

Voltage: 12/24V DC  
Lifespan: 40000hrs  
CRI: >80 (CRI95 optional)  
Dimmable: with controller  
CCT: 3000K 4000K 5000K 6500K 12000K

**Appearance Parameters**

<table>
<thead>
<tr>
<th>Model</th>
<th>Parameters</th>
<th>Lumen (±5%)</th>
<th>IP rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH-5050W60-V12</td>
<td>50/50 30/60/120 LEDs, 7.2/14.4/28.8 W/m, 12V/24V</td>
<td>21-23 lms per/led</td>
<td>IP20/65/68</td>
</tr>
<tr>
<td>TH-2835W60-V12</td>
<td>2835 60/120/240 LEDs, 14.4/24/48 W/m, 12V/24V</td>
<td>21-23 lms per/led</td>
<td>IP20/65/68</td>
</tr>
<tr>
<td>TH-3014W60-V12</td>
<td>3014 60/120/240 LEDs, 7.2/14.4/28.8 W/m, 12V/24V</td>
<td>11-13 lms per/led</td>
<td>IP20/65/68</td>
</tr>
<tr>
<td>TH-5630W60-V12</td>
<td>5630 30/60 LEDs, 7/14.4/28.8 W/m, 12V</td>
<td>55-60 lms per/led</td>
<td>IP20/65/68</td>
</tr>
<tr>
<td>TH-RGBW60-V12</td>
<td>RGBW 5050 60/84 LEDs, 14.4/20 W/m, 12V</td>
<td>N/A</td>
<td>IP20/65/68</td>
</tr>
</tbody>
</table>

**Special Strips:**

- RGDW (4 CHIPS IN 1 LED)
- RGDW Digital (4 CHIPS IN 1 LED)
- CCT Adj (2 CHIPS IN 1 LED)
- Food Lighting (WW+CW+RED)
- CWA Digital (WW+CW+AMBER)
- 240 LEDs (Resistor Vertical Placed)
- 150 lm/W (2000 lm)
- Constant Current (with temperature sensor)
- CRI(Ra) >95
- Bendable Strips
- 5mm Width
- OSRAM Samsung LED
THETALIGHT led panel light is a modern general lighting fixture producing high efficiency. LM80 qualified LEDs provide high CRI>80 and high efficiency LPW>85, long lifespan and high energy saving. 0-10V dimmable driver share excellent quality and dimming effect.

Application: Suitable for commercial and residential applications like offices, supermarkets, shops, schools, hotels, restaurants, workshop, homes etc.

LED Panel Light
2X2 / 1X4 / 2X4

## Introduction

THETALIGHT led panel light is a modern general lighting fixture producing high efficiency. LM80 qualified LEDs provide high CRI>80 and high efficiency LPW>85, long lifespan and high energy saving. 0-10V dimmable driver share excellent quality and dimming effect.

Application: Suitable for commercial and residential applications like offices, supermarkets, shops, schools, hotels, restaurants, workshop, homes etc.

### Appearance Parameters

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimension (mm)</th>
<th>Product Size (in/mm)</th>
<th>Wattage(W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH205-36W</td>
<td>595</td>
<td>595x595x10mm</td>
<td>36</td>
</tr>
<tr>
<td>TH210-40W</td>
<td>620</td>
<td>620x620x10mm</td>
<td>40</td>
</tr>
<tr>
<td>TH208-45W</td>
<td>295</td>
<td>295x1195x10mm</td>
<td>45</td>
</tr>
<tr>
<td>TH206-60W</td>
<td>595</td>
<td>595x1195x10mm</td>
<td>60</td>
</tr>
</tbody>
</table>

### Technical Specifications

- Voltage: AC100-240V
- Power: 36W / 40W / 45W / 60W
- Power Factor: >0.9
- Beam angle: 120°
- CCT: 2700K / 3000K / 4000K / 5000K
- Lifespan: 50000hrs
- CRI: >80
- IP40
- Dimmable: 0-10V dimmable
- Surface color: White / Silver

### Lumen (±5%)

<table>
<thead>
<tr>
<th>Model</th>
<th>3000K</th>
<th>3500K</th>
<th>4000K</th>
<th>5000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH205-36W</td>
<td>3200ms</td>
<td>3540ms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TH210-40W</td>
<td>3450ms</td>
<td>3680ms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TH208-45W</td>
<td>3500ms</td>
<td>3750ms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TH206-60W</td>
<td>5000ms</td>
<td>5330ms</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Web: www.thetalight.com
Introduction

ThetaLight LED panel light is a modern general lighting fixture with unique design to avoid light leaking.

- LM80 qualified LEDs provide high CRI>80 and high efficiency LPW>85, long lifespan and high energy saving.
- TRIAC dimmable driver share excellent quality and dimming effect.
- Application: Suitable for commercial and residential applications like offices, supermarkets, shops, schools, hotels, restaurants, workshop, homes etc.

ROUND/SQUARE Panel

Appearance Parameters

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimension (mm)</th>
<th>cutout Size (mm)</th>
<th>Wattage(W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH2344E(round)</td>
<td>dia 122x26</td>
<td>dia 108</td>
<td>8w</td>
</tr>
<tr>
<td>TH2346E(round)</td>
<td>dia 172x26</td>
<td>dia 160</td>
<td>15w</td>
</tr>
<tr>
<td>TH2349E(round)</td>
<td>dia 223x26</td>
<td>dia 210</td>
<td>18w</td>
</tr>
<tr>
<td>TH1209(square)</td>
<td>120x120</td>
<td>108x108</td>
<td>9w</td>
</tr>
<tr>
<td>TH11716(square)</td>
<td>172x172</td>
<td>160x160</td>
<td>16w</td>
</tr>
<tr>
<td>TH2220(square)</td>
<td>223x223</td>
<td>210x210</td>
<td>20w</td>
</tr>
</tbody>
</table>

Technical Specifications

- Voltage: AC100-240V
- Power: 8W / 15W / 18W / 20W
- Power Factor: >0.9
- Beam angle: 170°
- CCT: 2700K 3000K 4000K 5000K
- Lifespan: 40000hrs
- CRI: >80
- IP44
- Dimmable: triac dimmable
- Surface color: White

<table>
<thead>
<tr>
<th>Model</th>
<th>Lumen (±5%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH2344E(round)</td>
<td>580lm 620lm</td>
</tr>
<tr>
<td>TH2346E(round)</td>
<td>980lm 1120lm</td>
</tr>
<tr>
<td>TH2349E(round)</td>
<td>1260lm 1350lm</td>
</tr>
<tr>
<td>TH1209(square)</td>
<td>702lm 738lm</td>
</tr>
<tr>
<td>TH11716(square)</td>
<td>1245lm 1312lm</td>
</tr>
<tr>
<td>TH2220(square)</td>
<td>1560lm 1640lm</td>
</tr>
</tbody>
</table>

Features explanation

- SMD2835 LED with high lumen output and high light efficiency
- Unique slim design; good appearance, high lumen
- Easy installation, no RF, no flickering, environment friendly

Web: www.thetalight.com

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**LED RIGID BAR**

Thetalight's LED rigid bar can be used as architectural lights for canopy, corridor, window, archway, backlight or edge lighting for signage. These lights are also ideal replacement for incandescent and fluorescent light. A Special Poly-carbonate frosty cover can be used to ensure the LED lights are not visible in the application.

**Applications:**
- Advertising box, Capboard, Holiday, Show, Exhibition decoration lighting
- Down Lighting
- Up Lighting
- 4000K 5000K 3000K
- COLOURS AVAILABLE
- WARM WHITE NATURE WHITE COOL WHITE 2700K 3500K 6500K

**Beam Angle:** 120 °
**Consumed power:** 20W/M
**AC Input:** AC100-240V 50/60Hz
**Power Factor:** ≥0.95
**CRI:** ≥80
**IP Rating:** IP20

**Quick Specifications**
- 5-Year warranty
- **Beam Angle:** 120 °
- **Consumed power:** 20W/M
- **AC Input:** AC100-240V 50/60Hz
- **Power Factor:** ≥0.95
- **CRI:** ≥80
- **IP Rating:** IP20

**Non-Dimmable**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>MODEL</th>
<th>POWER</th>
<th>ORDER CODE</th>
<th>KELVIN</th>
<th>LUMEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAR</td>
<td>TH-BAR/1125</td>
<td>20W/M</td>
<td>1110416101</td>
<td>3000K</td>
<td>1,550lm/M</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1110416102</td>
<td>4000K</td>
<td>1,600lm/M</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1110416103</td>
<td>6000K</td>
<td>1,650lm/M</td>
</tr>
</tbody>
</table>

**Dali/Triac/O-10V Dimmable Optional**

**Polar Curve Diagram**

**Illuminance Cone Diagram**

**Description**

Thetalight's LED rigid bar can be used as architectural lights for canopy, corridor, window, archway, backlight or edge lighting for signage. These lights are also ideal replacement for incandescent and fluorescent light. A Special Poly-carbonate frosty cover can be used to ensure the LED lights are not visible in the application.
Appearance Parameters

<table>
<thead>
<tr>
<th>Model</th>
<th>Parameters</th>
<th>Lumen (±5%)</th>
<th>ip rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH-150w-FL</td>
<td>150watt Brightlex COB Led</td>
<td>14000lms</td>
<td>IP65</td>
</tr>
</tbody>
</table>

Technical Specifications

- Voltage: AC 100-240V
- Lifespan: >35000hrs
- Power Supply: Meanwell or MOSO
- Power Factor: >0.95
- Lumen Efficiency: 94-110LMS
- Beam Angle: 60 degrees

Web: www.thetalight.com
Inground Light
Series

**Appearance Parameters**

<table>
<thead>
<tr>
<th>Model</th>
<th>Parameters</th>
<th>Lumen (±5%)</th>
<th>ip rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH-UN-13A</td>
<td>1x3W CREE XPE Led.</td>
<td>160lms</td>
<td>IP67</td>
</tr>
<tr>
<td>TH-UN-13ARGB</td>
<td>1x3W CREE Led.</td>
<td>N/A</td>
<td>IP67</td>
</tr>
</tbody>
</table>

**Technical Specifications**

- Voltage: 12V-24V AC/ DC
- CCT: Warm White (2700K-3200k) / Day White (4500K-5000K) White / (6000K-7000K) / Cool White (8000K-10000k)
- Lifespan: >35000hrs
- Power Factor: >0.95
- Beam Angle: 30/45/60 degrees
- Housing: Aluminum+304 stainless steel + step tempered glass

**Application**

Web: [www.thetalight.com](http://www.thetalight.com)

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Garden Light
Series

**Appearance Parameters**

<table>
<thead>
<tr>
<th>Model</th>
<th>Parameters</th>
<th>Lumen (±5%)</th>
<th>ip rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH-GA31</td>
<td>3x1W CREE XPE Led.</td>
<td>280lms</td>
<td>IP65</td>
</tr>
<tr>
<td>TH-GA31RGB</td>
<td>3x1W RGB(3IN1) Led.</td>
<td>N/A</td>
<td>IP65</td>
</tr>
</tbody>
</table>

**Technical Specifications**

- Voltage: 12V-24V AC/ DC
- CCT: Warm White (2700K-3200k) / Day White (4500K-5000K) White / (6000K-7000K) / Cool White (8000K-10000k)
- Lifespan: >35000hrs
- Power Factor: >0.95
- Beam Angle: 30/45 degrees
- Housing: Anodized aluminum

**Application**

Web: [www.thetalight.com](http://www.thetalight.com)
Product Customized Expert, We Achieve your ideas