

Integrative lighting solution for gas station



Dedicated to **serve** you **better**
2009.04



Company Profile

Idealite Co., Ltd., focus on design and manufacture led lighting product. With clients from across the world and recognizable projects dating back to the 1998s, we are truly a part of modern products history.

Our Products:

We manufacturing a large selection of LED Tubes, LED Linear lighting, LED Canopy Light, Led Street Light, LED Tunnel light, Led Mining Light, Led Spot Light, LED strip LED downlight LED Desk Lamp, and Other LED Commercial Lighting, Architectural Lighting and Home Lighting

Our advantage:

- 1) Strong new product developing ability, More than 100 new products per year by our 15 designers and 35 engineers' team.
- 2) Eight Products we developed have achieved the National Patents.
- 3) We can offer Green, Energy Saving and Environmental friendly lighting solution, solve the problem which most of manufacture can't deal with.
- 4) Stable products quality, we have got ISO 9000 , and UL,CE,SCS, RoHS certification.
- 5) Successful Experience with Famous Co., we can support our customer with before sales service, service during sales and after sales service all over the world, such as UK, USA, Germany, France, Dubai, etc.

Company's Values——Creating more values for our customers and employees continuously

Company's Philosophy——Innovation Continuously

Visit us online at www.idealite.com.cn or contact one of our experienced sales, Or come to our factory and see for yourself.

Overview



Energy consumption is currently of concern to all countries in the world to different industries in the area of energy-saving plan. So it produce green lighting project for worldwide. Each country provide for the application of efficient lighting products that reduce power consumption, thereby saving energy.

Petrol filling stations is a rather special place, the lighting is a prominent feature of the safety, the requirements of the lamps used to do some special lighting, such as explosion-proof lamps. The lighting should meet the general level of illumination, but also take into account security. On this premise, the use of energy efficient lighting the way to become the preferred place of petrol filling stations. LED lighting design must also rationalize, that is meet the above condition same time with minimal power consumption.

With economic development, the station is also planning the layout of urban planning has gradually become an important part of the request with the urban construction, road development, the coordination of motor vehicles, the number of regional stations are also to some extent, should be increased appropriately. Although the design specifications in accordance with the requirements set up stations where fire safety requirements, to stay away from hotels, restaurants, shopping malls, schools, and other officers to concentrate on the location, but the gas station or with the ordinary people have close contact with them. Lighting its premises also need to consider the safety and functionality.

Refueling stations construction, including areas and ancillary facilities (such as convenience stores, cash register area, the staff on duty lounge and distribution room, boiler room, generator room, kitchen, etc.), it is necessary to co-ordinate arrangements, reasonable layout, support facilities, as far as possible away from the distributed oil vapor tank, tanker, and arranged in the upwind.

In addition to the lighting to meet safety requirements, the lighting focused on the regional uniformity of illumination, the level of illuminance, vertical illuminance Colour Rendering Index and design for light distribution must also be considered. Need to take into account areas such as refueling and ground refueling of vertical illuminance illuminance, office, cashier, convenience stores require good lighting visual effects, it is necessary to achieve the safe, comfortable, to distinguish the effect of energy saving will have to consider. Therefore strongly advised to select a highly efficient light source, electrical appliances, lighting efficiency and light design with a reasonable request of the high-color, no strobe.



Different function of oil station:

District refueling stations lighting

- Office, the cash register areas, convenience stores,
- Staff \ duty room
- Power distribution room, room lighting and other facilities
- LOGO of oil station and signs for other important position.

Led Canopy Light

The use of specially designed lamps, with waterproof levels, in line with the roof structure of the characteristics of petrol filling stations, suspended and ceiling installation, lamp equipped with a symmetric, it is necessary to take into account the level of illumination and ground refueling of vertical illumination. We must also consider the configuration of emergency lighting. All use LED as light source to ensure light efficiency, service life and low maintenance costs.



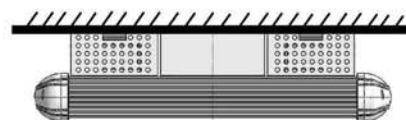
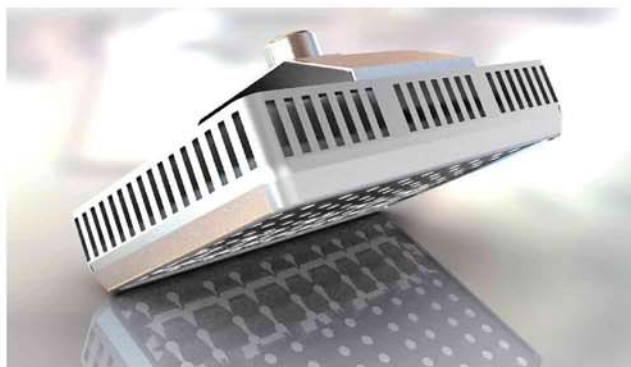
Refueling area lighting diagram

Products Introduction:

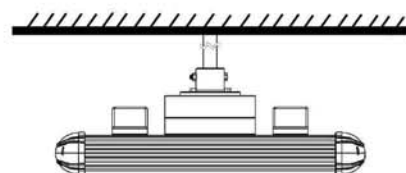
1. A brief description: Easy to install, ultra-thin shell using High-quality extruded aluminum alloy, has a unique set of linear of the concept.
2. Surface Treatment: anti-surface through the exclusive use of oxygen bleaching Process of spraying, anti-corrosion, anti-UV and wear-resistant, Warranty for surface is 10 years.
3. Circuit components: the standardization of design, all the light color temperature is 6000K +500 K, show the index CRI> 75%, using American CREE LED. 85V-265V 50/60Hz, LED drive effective utilization> 95%, use waterproof design.
4. Life>50000 hour, light decay after 50,000 hours is <25%.

Product Features:

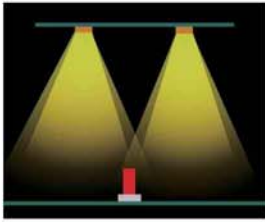
1. Gas stations special lighting, meet certification for IEC \ GB7000 \ 3C and other international and domestic standards etc.
2. High luminous efficiency, color point stability, high brightness and uniformity.
3. Protection rating; IP55
4. Anti-corrosion rating: WF2
5. Electrical Safety Category: Class1.
6. Power Factor:> 0.95
7. The application of light source: 60W - 100W
8. Operating Temperature: -40 degrees - +60 degrees.
9. Method of installation: suspended and ceiling installation, suitable for height of the roof between 4 - 15m or indoor installation, can replace the traditional metal halide lamp.
10. Application of Place: Bus station, gas stations, toll stations, overpasses and other places.



SUSPENDED INSTALLATION



CEILING INSTALLATION

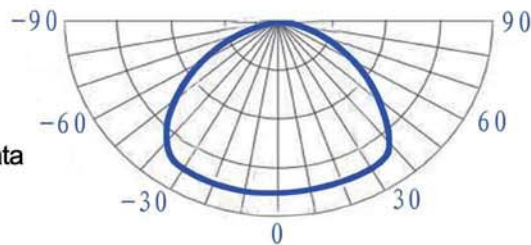


Oiling machine lighting

Model	LED Power (W)	Input voltage	Color Temperature (K)	Brightness (LM)	Light emitting angle	Overall dimension (MM)	With light type
GIL-2-0011	60W	AC85-265V	6000K±500K	>5400LM	60-90 °C	436*439*156.3	Symmetrical
GIL-2-0012	80W	AC85-265V	6000K±500K	>7200LM	60-90 °C	526*439*156.3	Symmetrical
GIL-2-0013	100W	AC85-265V	6000K±500K	>9000LM	60-90 °C	616*439*156.3	Symmetrical

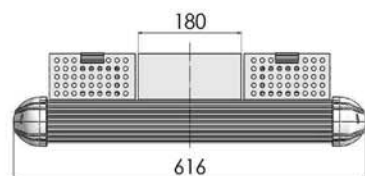
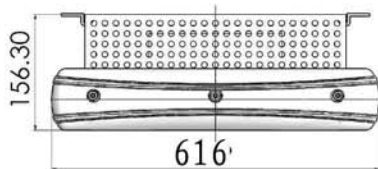
LED PRODUCTS DEDICATED OPTICAL LENS, LIGHT TRANSMITTANCE ABOVE 93% EFFICIENCY.

Led Canopy light photo matric data

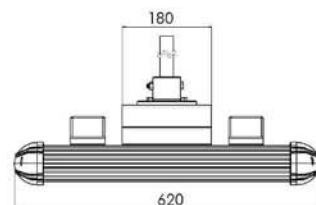
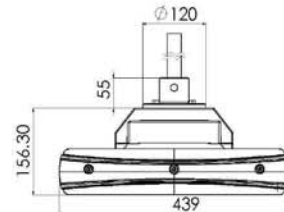


Product Size

SUSPENDED SIZE

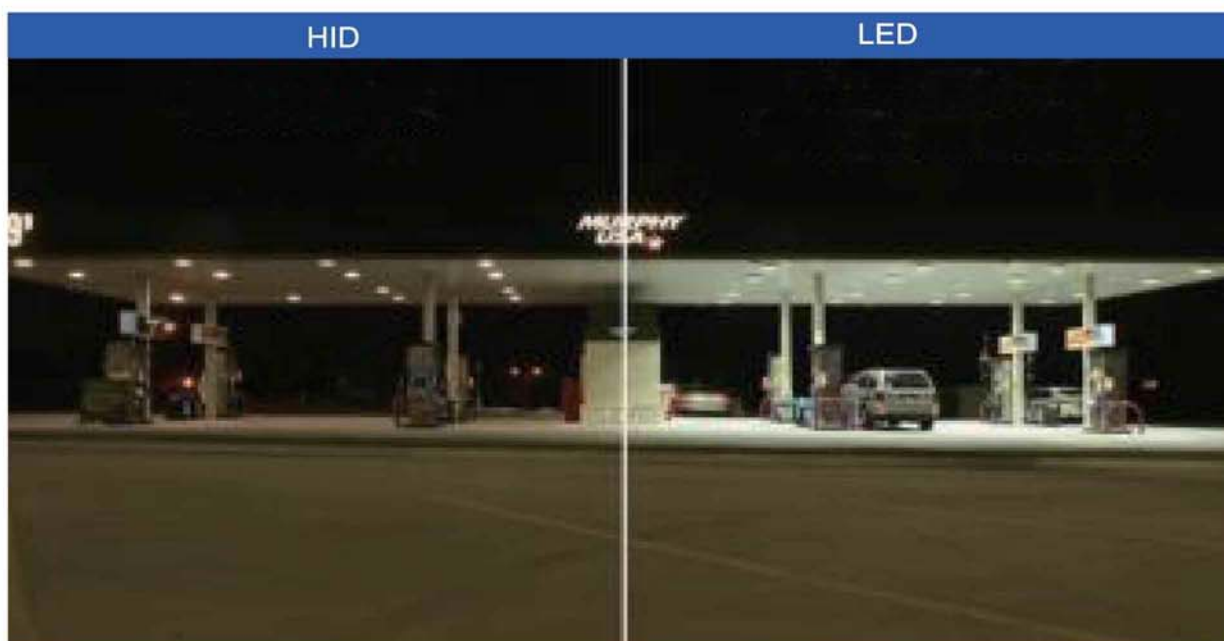


CEILING INSTALLATION SIZE



Thermal processing of led canopy light: LED thermal conductivity by high-performance ceramic substrate and copper alloy materials will be supplemented with LED issued by the rapid transmission of heat to the aluminum radiator, the heat in time to distribute them into the air, so that the temperature of the radiator control in the 30 degrees to 45 degrees.

HID / LED lighting contrast



The purpose of comparison in the petrol filling stations to choose the course of light to provide a reference. Chart is based on the installation to meet the minimum requirements (minimum replacement requirements), the best allocation of brightness and energy-efficient than the 30-40% of the evaluation.

Office | cash register area | convenience store
staff lounge indoor lighting

Petrol filling stations the main subsidiary of architectural lighting for indoor lighting, but also carry out the activities of the most places, the need to pay attention to the lighting function illumination and comfort, it is necessary to meet the requirements of the standard lighting, but also consider the distribution of brightness, CRI, and glare control. In the region but also the examination of the lighting energy efficiency, the general adoption of energy-saving LED lamps.

1. Down light
2. Led T8 tube
3. Led oil price display
4. Signage board
5. Led neon liner light

● Down light

Product Description:

1. Structural design of metal cooling, the maximum increase in heat dissipation area;

Unique plug-in design, the aesthetic concept of the public; light surface using

The production of high-quality optical lens, light transmission rate above 92%.

2. Surface Treatment: After the surface oxidation of a dedicated anti-fading paint work

Art, anti-corrosion, anti-UV and abrasion resistance, surface treatment quality Decade

Paul.

3. Our down light's different specifications are 12 * 1W 18 * 1W 21 * 1W.

4. Light-emitting angle: 15 degrees 30 degrees 45 degrees 60 degrees.

5. Light source color: pure white, warm white and cool white.

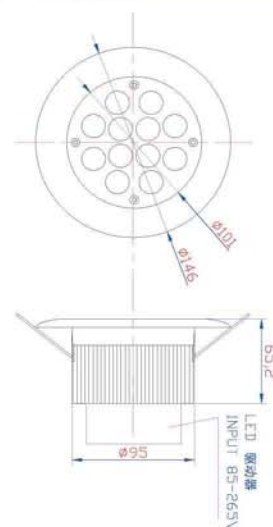
6. Operating voltage : 85 - 265V.

7. Operating current: 350ma MAX.

8. Widely used in lighting stations, clubs, shops, hotels, restaurants, gym, airport, office and factories etc.

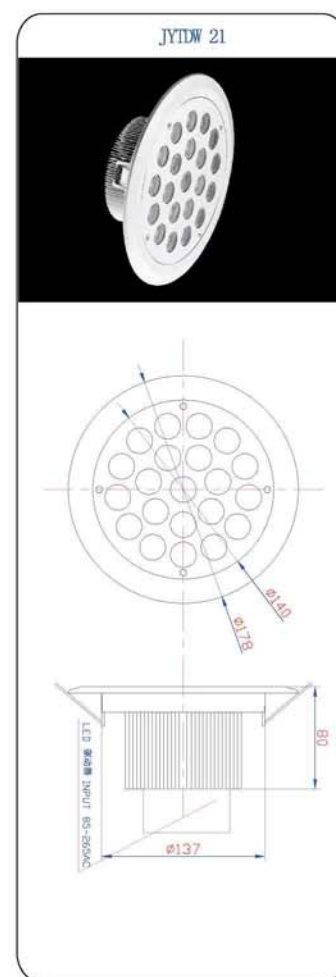
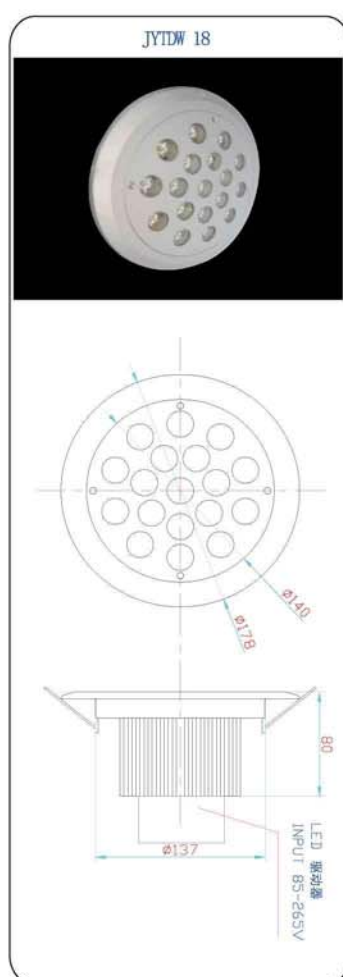
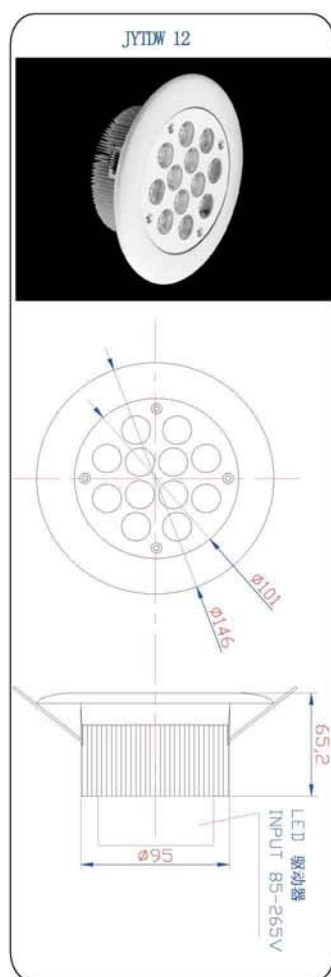
Installation instructions:

Product has the characteristics of quick installation in the ceiling or roof on the model by opening the original power lead connected to our product, open the switch to work, and finally open the clip spring into hole, the installation finished. (Down light to replace the original)



Model Introduction

Model	Overall dimension	Overall dimension (MM)	Opening size (MM)	Power (W)	Brightness (LM)	Input voltage	IP rating	Color Temperature (K)	LED	Light emitting angle	Operating Temperature	Life
GIL-2-0041	Ø146	Ø101	Ø96-100	12*1W	960LM	AC85-265V	IP54	6000K±500K	CREE	30-60 °C	-40—+60	>5000Hour
GIL-2-0042	Ø178	Ø140	Ø138-140	18*1W	1440LM	AC85-265V	IP54	6000K±500K	CREE	30-60 °C	-40—+60	>5000Hour
GIL-2-0043	Ø178	Ø140	Ø138-140	21*1W	1680LM	AC85-265V	IP54	6000K±500K	CREE	30-60 °C	-40—+60	>5000Hour



Thermal processing: LED thermal conductivity by high-performance ceramic substrate will be issued LED rapidly transfer heat to the aluminum radiator, the heat in time to distribute them into the air, so that the radiator temperature control in the 30 degrees To 45 degrees.

● LED T8 tube

Product specifications introduced

Product Description:

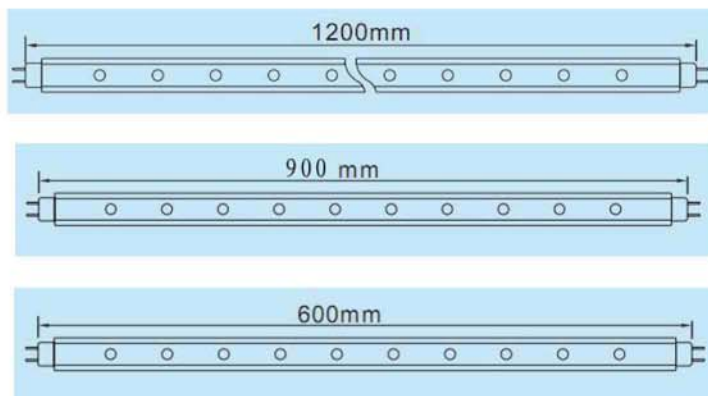
1. Long-life, > 50,000 hours.
2. Low power consumption, as compared with ordinary lamps save energy 70% -80%.
3. No ballast, non-starter without blinking.
4. Low maintenance costs, warranty for surface is ten years.
5. Use of safe, low heat from light distributed.
6. Environmental protection, no UV, no hazardous substances generated.
7. Shock-proof, easy to transport.
8. Can be used to replace traditional T8 fluorescent tubes.
9. Widely used in lighting stations, clubs, Shops, hotels, restaurants, gym, airport, do Public rooms and factories.



Product specifications introduced

Item	Power	Voltage	Input Curre	Work frequency	Color	Lumens	Package Size	Gross Weight
GIL-10011	10W	AC85-265V	100mA	60Hz/50Hz	warm white pure white	800lm	620*38*38	0.45Kg
GIL-10012	15W					1200lm	920*38*38	0.68Kg
GIL-10013	20W					1600lm	1220*38*38	0.9Kg

Product Size



Parameter Comparison

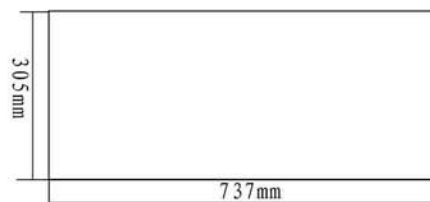
Item	10W LED Tube	15W LED Tube	20W LED Tube	18W-T8 Inductive fluorescent
Actual Power	10W	15W	20W	30W
Start-up time	Instantaneous(No Sparkling)			3Seconds (Sparkling)
Power Factor(PF)	≥ 0.87			< 0.5
Lumens	800lm	1200lm	1600lm	1170lm
Light Decay	$< 3\%$ after used for 1 year			The brightness will go down after used for about 3 months
Life span	≥ 50000 hours			5000 hours
Color Rendering Index	$Ra \geq 80$			$Ra < 65$
Other Comparison	No Flickering no UV element, good for eyes			Flickering, suffering harm
	High-frequency electric circuit, no noise			Industrial Frequency with noise
	Not including the heavy-metal			Including 6-9mg of hydrargyrum

● Led Oil Price Display

Products:

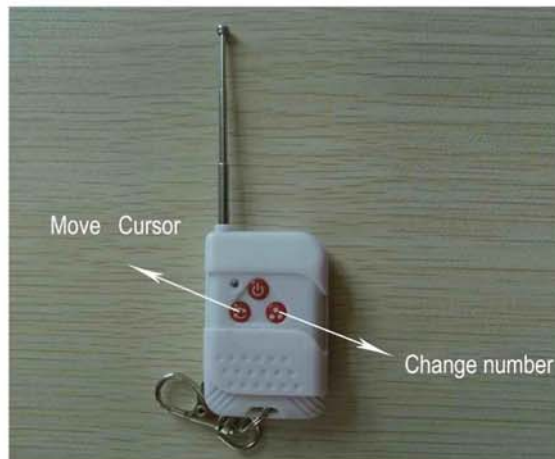
1. Use high quality aluminum alloy frame, the surface after a spray treatment, anti-oxidation, wear-resistant.
2. The use of MCU control circuit, operation simple, accurate display.
3. Highlighting the use of the light source LED, brightness > 1000MCD.
4. Viewing Angle: 120 degrees.
5. Visual :30-50-meter distance.
6. Operating voltage: 12V.
7. Can be remote-controlled distance: 50 meters open area.
- 25 meters on the case of obstructions..
8. IP protection grade: IP55.

Products: oil license



Simple Description for remote control:

1. Under the left, that is, transfer the cursor keys to control the oil board position 8.
2. Under the right, that is, adjusted the number keys, cursor position on number 8 and changed in 0-9 cycle.
3. Upper key, no function.
4. set up after the completion of the cursor keys will be transferred to the end of the cycle, that is, no cursor shows that oil prices at this time displayed on the license number shall be preserved.



● Signage board

Signage board of the lighting effect of the internal adoption of LED T8 lamp and waterproof LED strip light provides.



Model
GIL-10011
GIL-10012
GIL-10013



Introduction for water-proof Led strip:

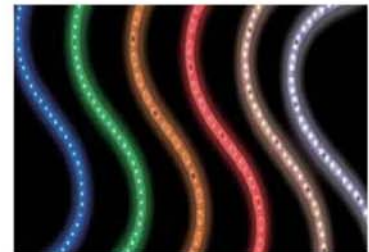
- Low Profile and Easy to Install
- Energy Efficient
- Adjustable Multi-Angle Mounting Bracket
- Maintenance-Free
- No dark spots
- Very Bright and Dimmable
- Environmentally Sustainable
- Never replace a lamp

Parameter Table for water-proof Led strip:

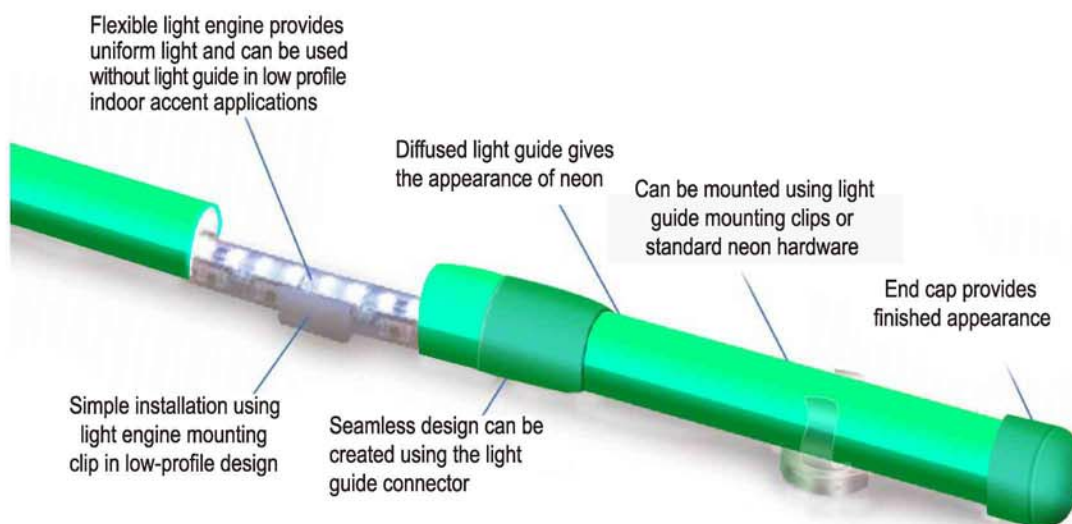
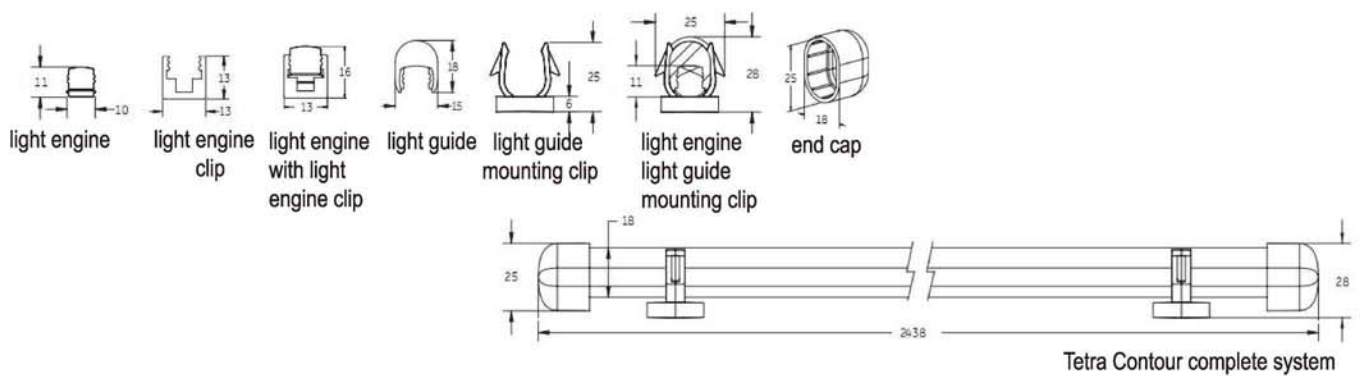
Model	Length (MM)	Power Consumption (W)	Brightness (LM)	Input	Output	IP	Color Temperature	Angle	Work Temperature	Life
GIL-10051	300	0.96	50	AC85-265V	DC12V	IP67	3500K-7500K	≥90Degree	-40—+60	≥50000 Hours
GIL-10052	450	1.2	75							
GIL-10053	600	1.7	100							

● LED neon linear light.

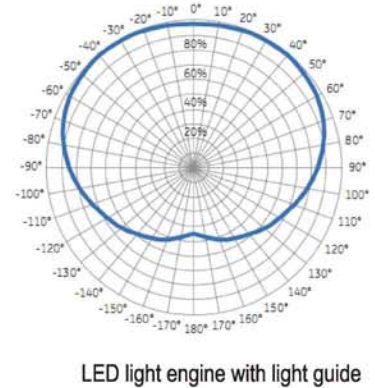
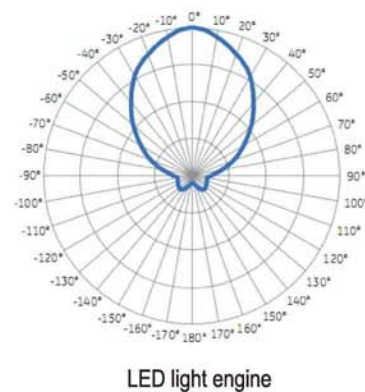
1. Housing use imported PC material, anti-ultraviolet anti-high temperature.
2. Pure color and elegant, soft light is not glare, high brightness.
3. Pressure resistance, fracture resistance, high temperature resistance, fire resistance, impact of aging.
4. Very low failure rate, easy maintenance and replacement.
5. Power :8-10 W / M .
6. Input voltage: 90V--265V.
7. Output voltage: DC24V 或 DC12V.
8. Ambient temperature: -40 ° C - +55 ° C .
9. IP rating: 65 .
10. Maximum life: 100,000 hours.
11. Average life span:> 50,000 hours .
12. Color: red, orange, yellow, green, blue, purple, white
13. Installed PC base using imported materials, fixed-simple, safe and durable.
14. Widely used in: bridge, building square, markers, antique buildings, advertising signs, as well as the outline sketched overpass guardrail, dangerous road sections, warning signs and high profile venues such as yard barrier.



Product Dimensions



LED Output





IDEALITE CO.,LTD

IDEALITE CO.,LTD ■■■■■

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