

LED Solution of YUYANG

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YUYANG DNU

CONTENTS

1. Business Fields
2. Introduction to LED Solution
 - 1) LED Lighting Product
 - 2) Smart LED Lighting System
 - 3) Hybrid LED Lighting System
 - 4) Smart LED Plants Factory
 - 5) Visible Light Communication

Business Fields



PSU for LED, UHD & OLED TV's



LED Lighting Product



Smart LED Lighting System



Hybrid LED Lighting system



Smart LED Plants Factory



Visible Light Communication & Li-Fi

1) LED Lighting Product

2) Smart LED Lighting System

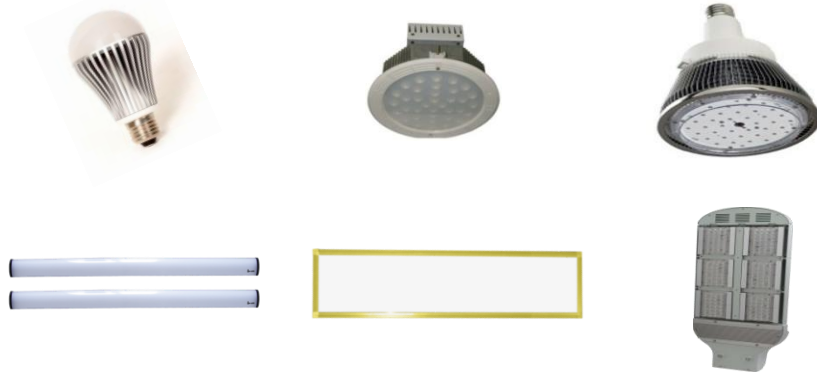
3) Hybrid LED Lighting System

4) Smart LED Plants Factory

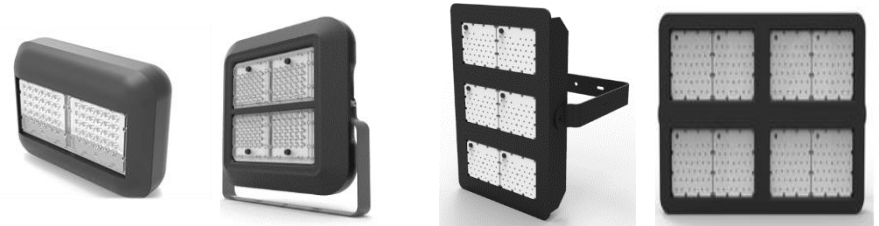
5) Visible Light Communication

LED Lighting Product

LED indoor/outdoor



High-power LED Flood light



300W

600W

900W

1200W



Shelter



Provincial



University



Street



NBA Arena



NHL Arena



Golf resort



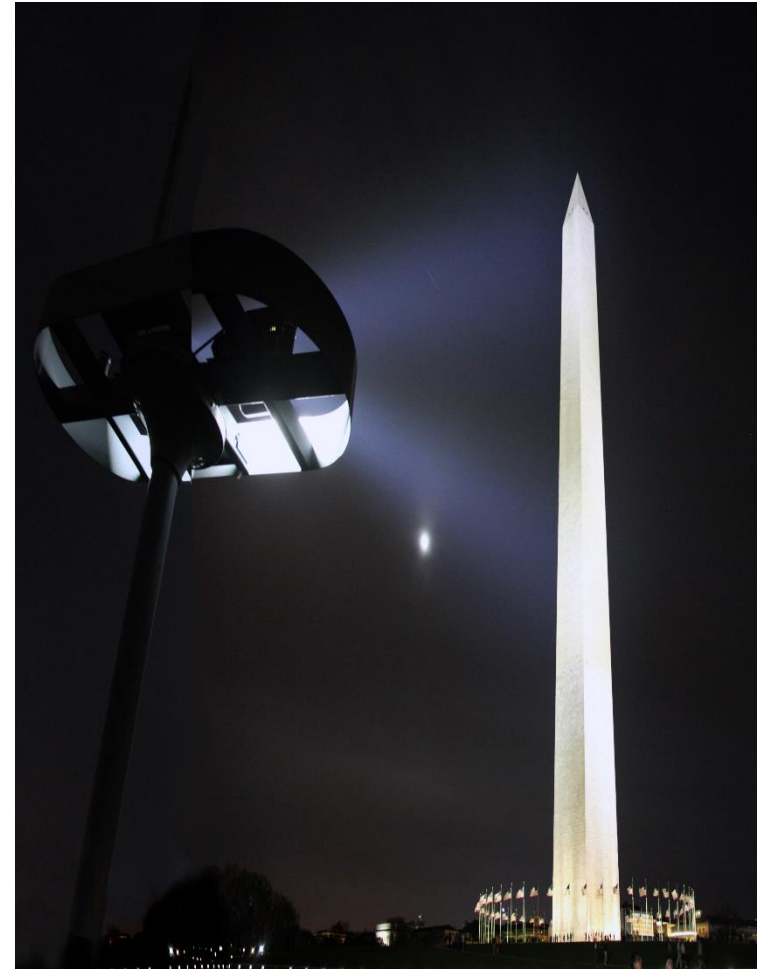
Horse Riding

LED Lighting Product

High-power LED Flood Light [600W]

◆ KEY FEATURES

- High efficient LED adopted
- LED Fixture & PSU Obtained UL(ETL)
- The world's first high-power sports light adapted NEMA lens
- Flicker free electronics for HDTV demands
- Option : 0 to 10 or 1 to 10V Dimming Control
- Warranty : 5 Years
- NEMA : National Electrical Manufacturers association



Washington Monument
(Partner company : OSRAM)

High-power LED Flood light 600W

◆ INSTALLATION CASE



NBA Arena



Golf resort

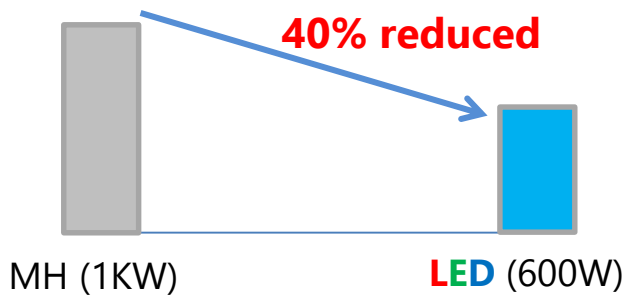


Ski resort

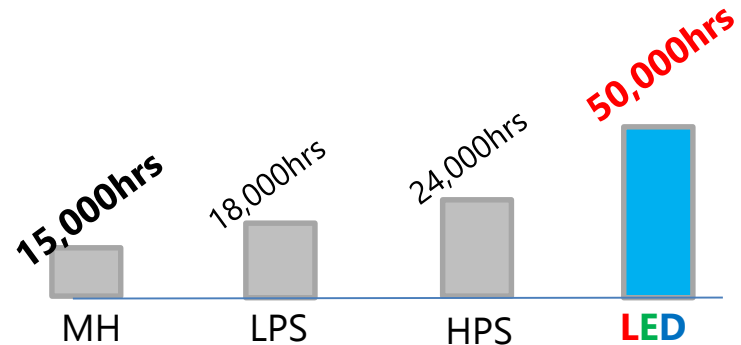


Collision testing

◆ ENERGY SAVINGS



◆ LONGEVITY



LED Lighting Product



LED Flood Light Series

YGI-300A
YGI-600B



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Replacement for 1500W HID

LED Flood Light

Key Features

- System power 300W, 600W.
- Energy saving.
- High efficient LED Chip adopted.
- Long lifetime: no less than 50,000 hours.
- LED Fixture & PSU obtained UL(ETL).
- the world's first high-power sports light adapted NEMA lens.
- Simple and compact design.
- Easy installation & low maintenance.
- Flicker free electronics for HDTV demands.
- Water Proof: IP65.
- Option: 0 to 10 or 1 to 10V Dimming Control.

Applications

- Sports Arena, Gym, Sports field.
- Harbor, Container terminal, Apron of Airport.
- Logistic center, Monument etc.



Specifications

Spec.	YGI-300A		YGI-600B	
Power Consumption	300 W		600 W	
Input Voltage	AC 90~305V, 47~60Hz			
Luminous Flux	30000 lm	33000 lm	60000 lm	66000 lm
Luminous Efficacy	100 lm/W	110 lm/W	100 lm/W	110 lm/W
CCT	4500 K	5700 K	4500 K	5700 K
Hrs	50,000 Hrs (10H/day)			
Color Rendering Index	70 Ra		70 Ra	
Operating Temperature	-25 ~ 40°C			
Light Distribution	15/30/60*		15/30/60*	
Size	540 x 270		540 x 540	
Weight	12 Kg		17 Kg	



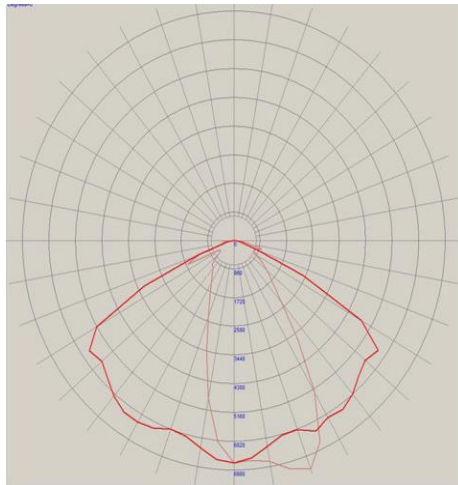
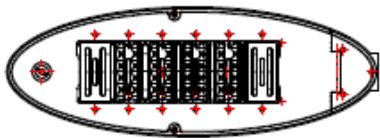
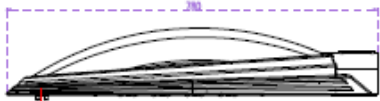
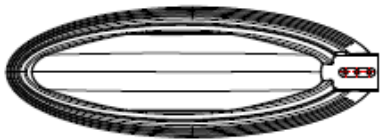
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Street light

FEATURES

- Apply the appropriate lens for street light environment.
- Complementary to the straightforwardness of the LED light scattering and increasing the efficiency of light distribution.
- By making the same width as the existing sodium lighting installation is easy.
- Improve performance by using a separate sink and externally beautiful products.
- POWER LED energy saving by applying a high efficiency.
- Eco-friendly products by applying the LED light source with no environmentally hazardous substances.
- Ensure the long life over 50,000 hours Perfect heat dissipation structure.

SPECIFICATIONN

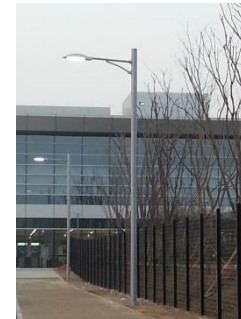


ITEM	HESSE 100W
Power consumption	100W
Power Factor	>0.9
Initial Lumens	Over 10,000 ~ 15,000lm
CCT	5,000~6,000K
CRI	>75
Lamp Lumens per Watt	>100 lm/W
Rated life	50,000 Hours min.
SIZE	780*273*165mm

LED Lighting Product



1. Roadway



2. Industry Area



3. Park Area

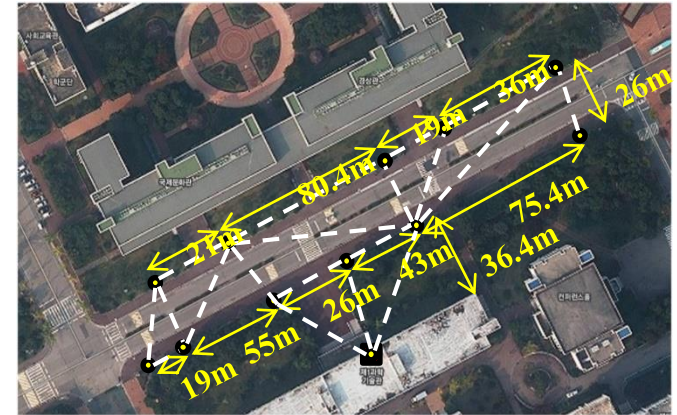
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- 2) Smart LED Lighting System**
- 3) Hybrid LED Lighting System
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- 5) Visible Light Communication

Smart LED Lighting System

◆ KEY FEATURES

Individual, **Group dimming control up to 200ea** of indoor & outdoor LED Lighting at a network

- Monitoring operation
- analysis program function.
- Feedback function with location
- Optimum energy consumption control



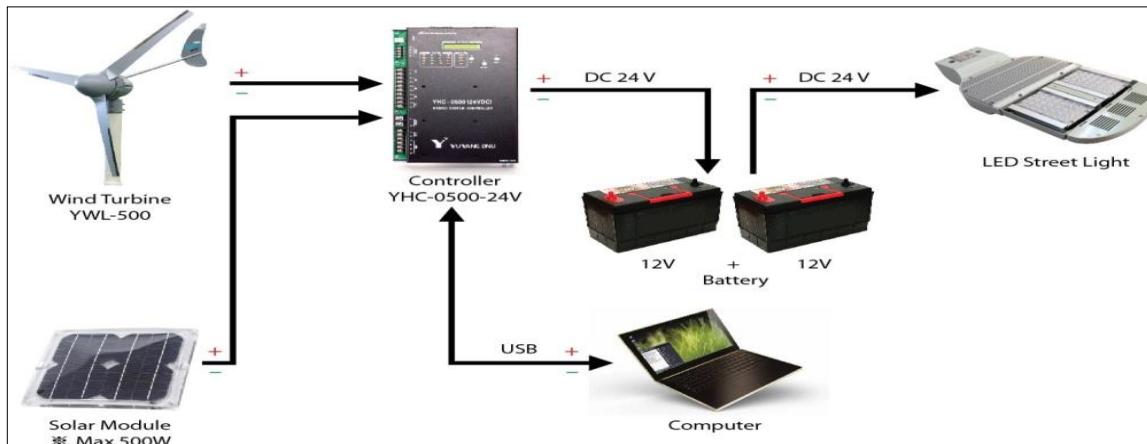
University network example

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Hybrid LED Lighting System

◆ KEY FEATURES

- Eco-friendly clean energy with **Solar and Wind**
- Korea Patent No. 1
- Application of hybrid controller
- Application Protection Circuit for over RPM, overcharge, over discharge.



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Smart LED Plants Factory

◆ KEY FEATURES

- Control environment in Smart Plant Factory (Humidity, CO2, Temperature, etc...)
- Stable cultivation crop such as industrial products in Smart Plant Factory
- Free Control in everywhere with PC or Mobile



Seedling system



Environmental control system



Smart LED Lighting system



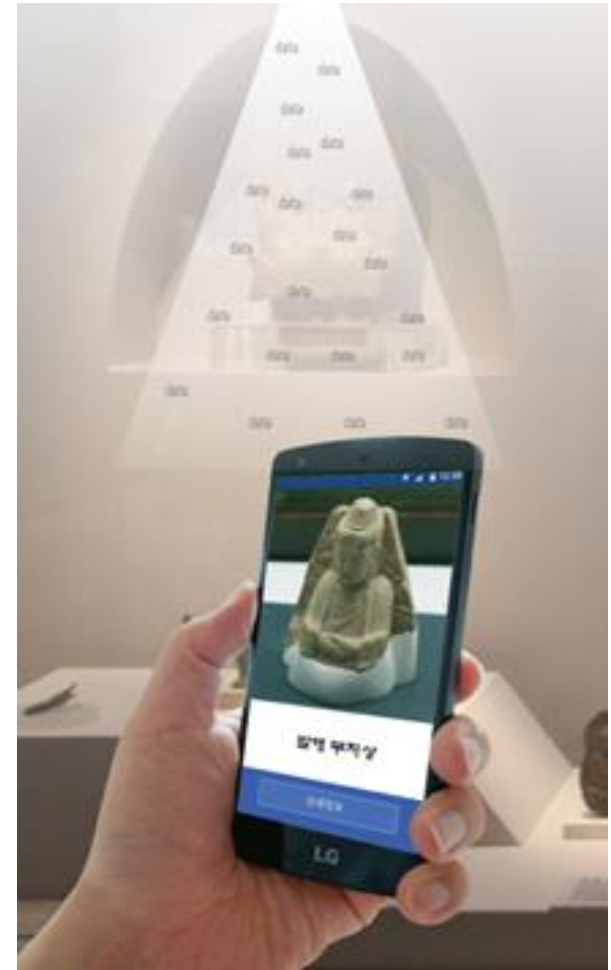
Planting system

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Visible Light Communication

◆ KEY FEATURES

- **VLC : Visible Light communication**
- **Data transmission by LED's fast On-Off Switching**
- **Li-Fi is a future communication technology to replace Wi-Fi.**
- **Li-Fi : Light-Fidelity**



Thank you!



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