POTECH®

PROFESSIONAL LED LIGHTING SOLUTION

# POTECH LED LIGHTING CATALOGUE

## POTECH POWER TECHNOLOGY CO. LTD

Address: 350/33/10/9B National Route 1, 4 Quarter, An Phu Dong Ward, Distric 12, Ho Chi Minh City
Tel: 028-3726 9399 Hotline: 091 212 2016
Website: www.potech.com.vn / Email: cskh@potech.com.vn

# ABOUT POTECH

Founded in 2014, Potech (Power Technology Co.Ltd) focuses on quality LED industrial lighting and outdoor. Since the first days, we chosed to use LED brand-Nichia (#1 ranking Led manufacturer in the world) from Japan and Meanwell LED driver from Taiwan. More than 4 years, there's no any comment from our choice.

The board of management, each having graduated from well-known university in Viet Nam and overseas in the areas of industrial design, electrical engineering, material engineering, etc. Especially, CEO works more than 10 years with LED assembly manufacturer.

Our reputation is founded on innovation, quality of build and design and an appreciation of the practical requirements of professional lighting.

Potech offers state-of-the-art products and technologies. We play a major role in meeting the needs of various customers with excellent quality Vietnamese products.

LED professional lighting products include: Highbay LED, LED flood light, LED street light, Led fishing light, etc.

In 2014, Potech was honored to get First prize "Best Innovators Awards" from DAAD- Germany with Led fishing lighting product.

**Partners: Potech is now the No.1 customer of Nichia in Viet Nam**

GENUINE NICHIA LED ®

MW MEAN WELL

## CATALOGGUE CONTENTS

***5 Warranty years**

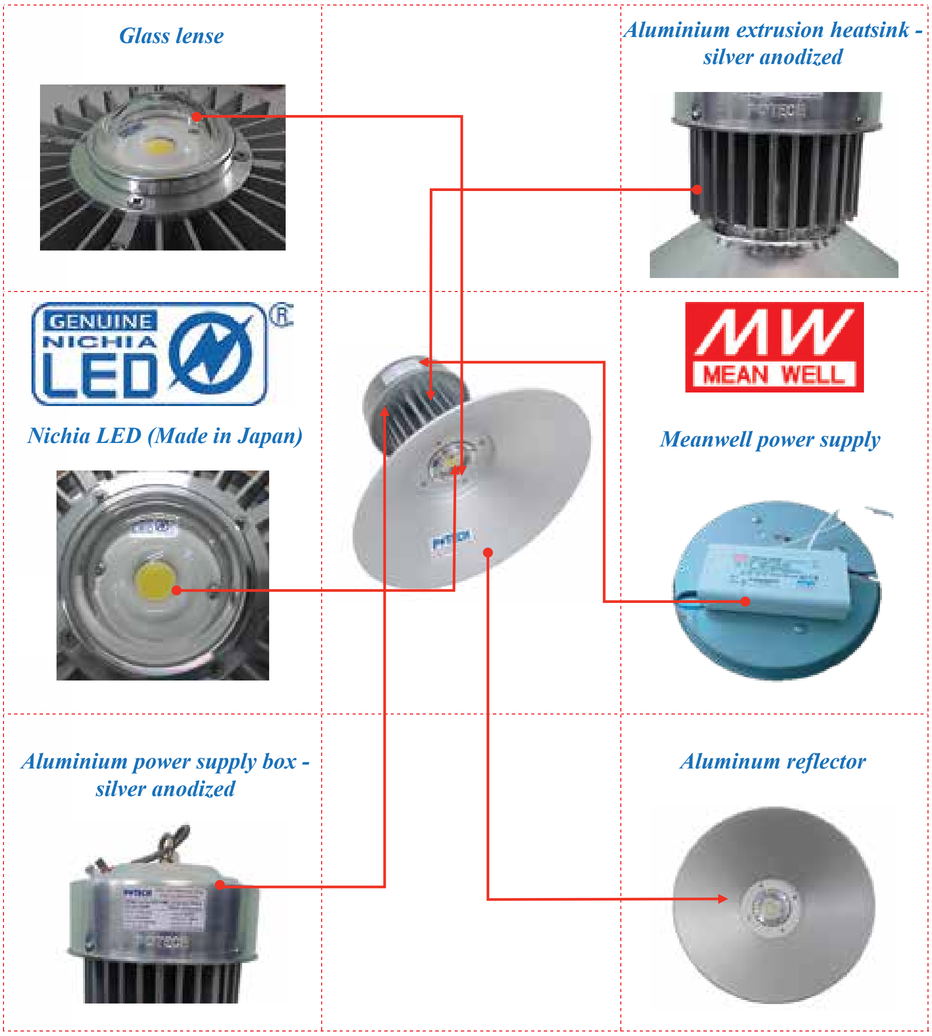
**After-warranty repair service support**

## POTECH CHOOSE POTECH, YOUR SMART CHOICE

# LED HIGH BAY LIGHT

| Model Number | PT-HBL-40-N | PT-HBL-60-N | PT-HBL-80-N | PT-HBL-100-N |
|---|---|---|---|---|
| Power (W) | 40 | 60 | 80 | 100 |
| Luminous (lm) | 5.000 | 7.500 | 10.000 | 12.500 |
| Product size (mm) | ø400x280 | ø400x280 | ø500x340 | ø500x390 |
| Weight (kg) | 2.2 | 2.9 | 4.2 | 5.3 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K-6500K | | | |
| CRI | Ra>70 | | | |
| Beam angle (degree) | 60°/90°/120° | | | |
| Supply voltage | AC 180-295V, 50/60Hz | | AC 100-305V, 50/60Hz | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP54 - IP65 | | | |
| Material | Aluminum alloy | | | |

## STRUCTURE


Glass lense
Aluminium extrusion heatsink - silver anodized
GENUINE NICHIA LED
Nichia LED (Made in Japan)
MW MEAN WELL
Meanwell power supply
Aluminium power supply box - silver anodized
Aluminum reflector

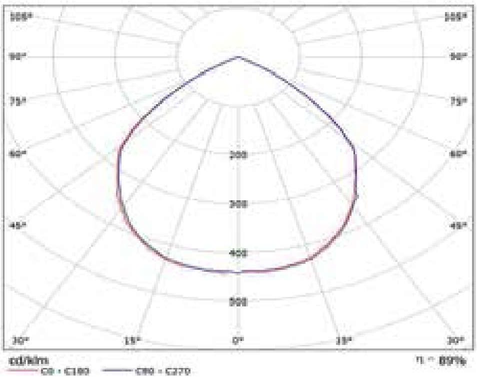
# LED HIGH BAY LIGHT

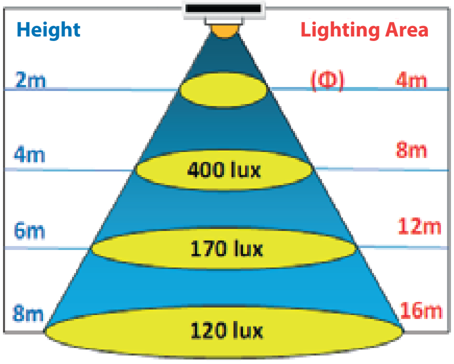
| Model Number | PT-HBL-120-N | PT-HBL-150-N | PT-HBL-200-N | PT-HBL-250-N |
|---|---|---|---|---|
| Power (W) | 120 | 150 | 200 | 250 |
| Luminous (lm) | 15.000 | 18.750 | 25.000 | 31.250 |
| Product size (mm) | ø500x480 | ø500x460 | ø500x500 | ø500x560 |
| Weight (kg) | 5.8 | 7.1 | 8.2 | 8.7 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K-6500K | | | |
| CRI | Ra>70 | | | |
| Beam angle (degree) | 60°/90°/120° | | | |
| Supply voltage | AC 100-305V, 50/60Hz | | | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP54 - IP65 | | | |
| Material | Aluminum alloy | | | |

### Top 6 Benefits of LED High Bay Lighting

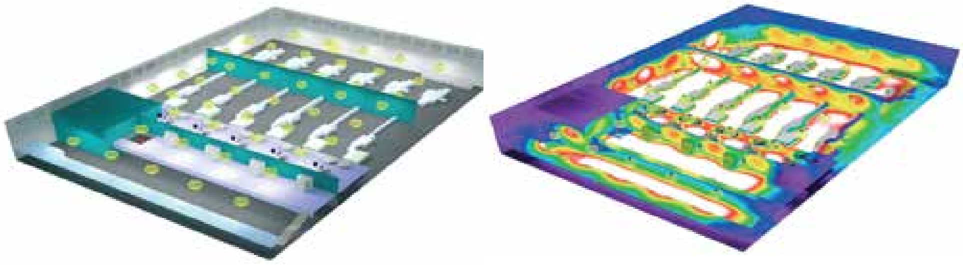
1. LOW ENERGY CONSUMPTIONS
2. QUICK RETURN ON INVESTMENT (<2 YEARS)
3. DURABILITY AND RELIABILITY
4. LIGHT UNIFORMITY, CRI >70
5. REDUCED MAINTENANCE
6. RELIABLE WARRANTY

## LIGHTING DISTRIBUTION





## 3D MODELING

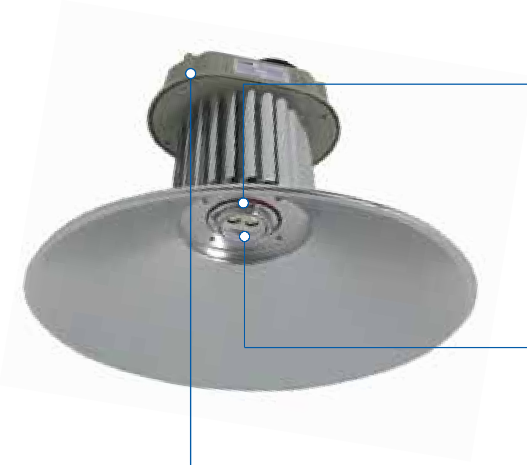


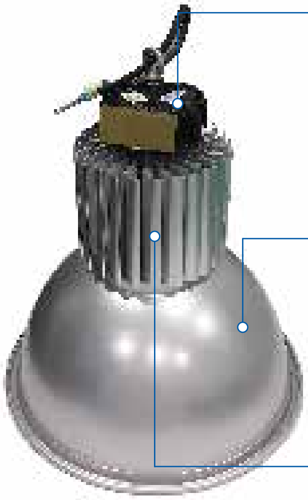
# LED HIGH BAY LIGHT

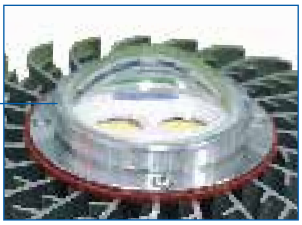
100W LED POTECH

120W LED POTECH

## PRODUCT DESCRIPTION







### OPTICAL LENSE

Optical distribution design of professional application

LED chip is protected by optical glass lense with 15mm thickness

The seal is used to get high protection

### NICHIA CHIP

The lighting source is from Nichia Led - Made in Japan (100% in-house) with highest lumens in the world.

Low temperature emitted

No electric discharge

### POWER SUPPLY

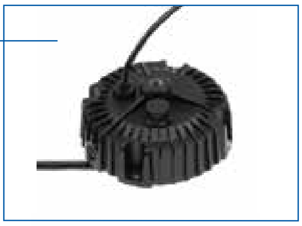
Meanwell is one of the best power supply manufacturer in the world

Surge protection: max 6 KV

Safety standard: UL, IEC

Circuit breaker

Full of silicon inside power supply



### HBG MEANWELL POWER SUPPLY

The housing design can be directly attached
to the lamp body and hanger,
no need for a circuit box.
Efficiency up to 93.5%, operating temperature
-40°C to 85°C, input voltage 90 - 305 VAC.

### REFLECTOR

Made by anodized aluminum alloy with beam angles 60/90/120 degrees

### HEATSINK

The curved design increases the cooling area that dissipate the heat quickly

Extruded aluminum

Anti-oxidation, anti-corrosion,

No local heat point

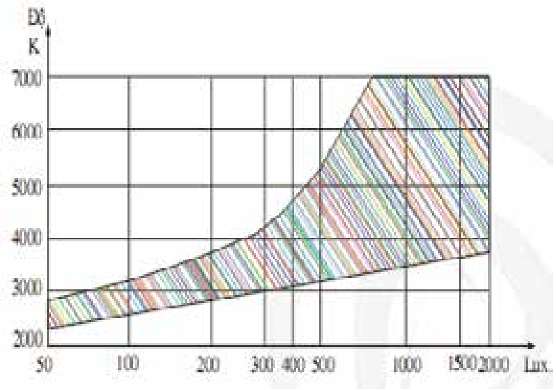
# HOW TO CHOOSE RIGHT LED HIGHBAY LIGHT

## LIGHTING IS A FACTOR THAT AFFECTS THE VALUE OF THE BUSINESS

*Industrial lighting is very important with any business. By choosing Led solution with standard lighting policy will help your business not only decrease energy consumption, but also create a positive working environment such as increase manufacturing yield, decrease work accident, etc.*

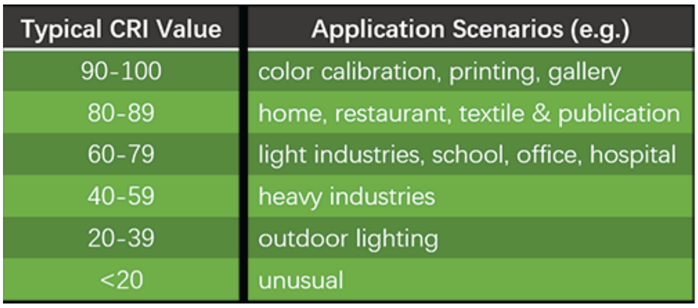
### CRT

Advice: Please choose appropriated CRT with your field of business



### CRI:

Advice: Max CRI is 100. The closer to 100, the better — or more true — colors should look under its light



| Typical CRI Value | Application Scenarios (e.g.) |
|---|---|
| 90-100 | color calibration, printing, gallery |
| 80-89 | home, restaurant, textile & publication |
| 60-79 | light industries, school, office, hospital |
| 40-59 | heavy industries |
| 20-39 | outdoor lighting |
| <20 | unusual |

## WHAT IS A GOOD HEIGHT TO HANG LED HIGHBAY?

| LED POTECH | HEIGHT (m) | METAL HALIDE | SODIUM | MERCURY | INDUCTION LAMP |
|---|---|---|---|---|---|
| | | | | | |
| **HBL-40-60W** | 3-7m | 70W-150W. | 70W-150W. | 100W-150W | 80W-100W |
| **HBL-80-100W** | 5-8m | 150W-250W | 150W-250W | 250W-400W | 100W-200W |
| **HBL-120-150W** | 8-10m | 250W-500W | 250W-500W | 400W-600W | 200W-250W |
| **HBL-200-250W** | 10-15m | 600W-1000W | 600W-1000W | | |

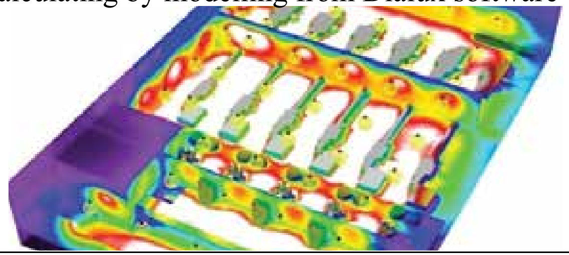
## CALCULATE QUANTITY OF LED HIGH BAY

Formulation:

$$N = Etb * S/Q/0.9$$

* **Etb:** average lux
* **Q:** total lumens (ex: HBL-60 has 7200 lm)
* **S:** area surface (factory, warehouse, etc)

Calculating by modelling from Dialux software



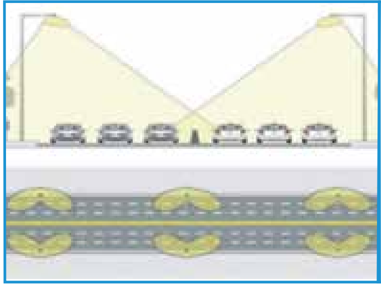
# LED HIGH BAY LIGHT HBL2

| **Model Number** | PT-HBL2-60-N | PT-HBL2-80-N | PT-HBL2-100-N | PT-HBL2-120-N |
|---|---|---|---|---|
| Power (W) | 60 | 80 | 100 | 120 |
| Luminous (lm) | 7.500 | 10.000 | 12.500 | 15.000 |
| Product size (mm) | ø410×340 | ø410×340 | ø410×340 | ø425×350 |
| Weight (kg) | 2 | 2.2 | 2.2 | 3 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K-6500K | | | |
| CRI | Ra>80 | | | |
| Beam angle (degree) | 60°/90°/120° | | | |
| Supply voltage | AC 90-295V | AC 90-305V, 50/60Hz | | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP54 | | | |
| Material | Aluminum alloy | | | |

# LED HIGH BAY LIGHT HBL2

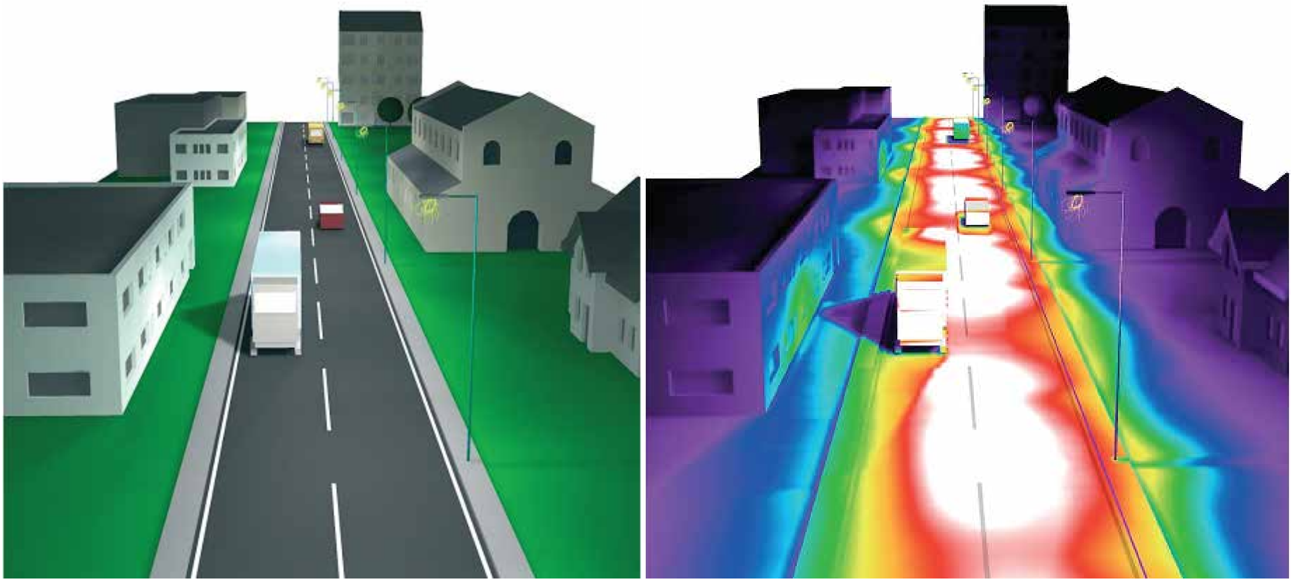
| **Model Number** | PT-HBL2-150-N | PT-HBL2-200-N | PT-HBL2-250-N | PT-HBL2-300-N |
|---|---|---|---|---|
| Power (W) | 150 | 200 | 250 | 300 |
| Luminous (lm) | 18.750 | 25.000 | 31.250 | 37.500 |
| Product size (mm) | ø425×350 | ø470×360 | ø470×360 | ø470×370 |
| Weight (kg) | 3 | 4.1 | 4.1 | 4.9 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K-6500K | | | |
| CRI | Ra>80 | | | |
| Beam angle (degree) | 60°/90°/120° | | | |
| Supply voltage | AC 90-305V, 50/60Hz | | | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP54 | | | |
| Material | Aluminum alloy | | | |

# LED STREET LIGHT (COB)



| **Model Number** | PT-SL-40 | PT-SL-60 | PT-SL-80 | PT-SL-100 |
|---|---|---|---|---|
| Power (W) | 40 | 60 | 80 | 100 |
| Luminous (lm) | 5.000 | 7.500 | 10.000 | 12.500 |
| Product size (mm) | 500x210x70 | 500x210x70 | 720x280x100 | 720x280x100 |
| Weight (kg) | 1.8 | 1.8 | 4.6 | 4.6 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K-6500K | | | |
| CRI | Ra>70 | | | |
| Beam angle (degree) | 65°x135°/ 85°x135°/120° | | | |
| Supply voltage | AC 180-295V, 50/60Hz | | AC 100-305V, 50/60Hz | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP66 / IK08 | | | |
| Material | Aluminum alloy + tempered glass | | | |

# LED STREET LIGHT (COB)



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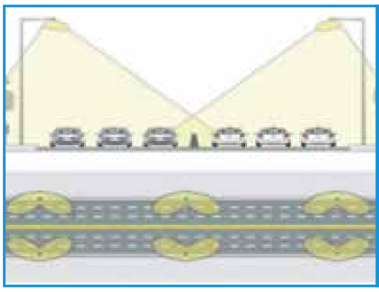
|  | | | | |

| **Model Number** | PT-SL-120 | PT-SL-150 | PT-SL-180 | PT-SL-200 |
|---|---|---|---|---|
| Power (W) | 120 | 150 | 180 | 200 |
| Luminous (lm) | 15.000 | 18.750 | 22.500 | 25.000 |
| Product size (mm) | 720x280x100 | 950x350x112 | 950x350x122 | 950x350x122 |
| Weight (kg) | 4.8 | 7.5 | 7.8 | 8 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K-6500K | | | |
| CRI | Ra>70 | | | |
| Beam angle (degree) | 65°x135°/ 85°x135°/120° | | | |
| Supply voltage | AC 100-305V, 50/60Hz | | | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP66 / IK08 | | | |
| Material | Aluminum alloy + tempered glass | | | |

# POTECH LED STREET LIGHT 150W

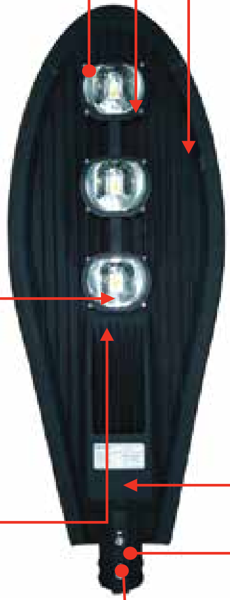
*Glass lense*

*Silicone joint (IP66)*

*Heatsink die-casting*

GENUINE NICHIA LED

*Nichia LED*
*(Made in Japan)*



MW MEAN WELL

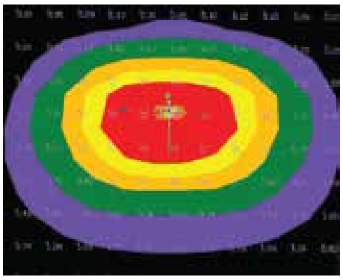
*Meanwell power supply*

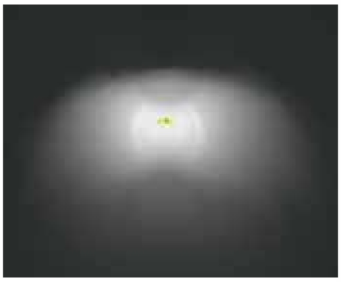
*Power supply box*
*with silicone joint*

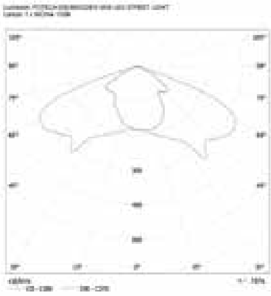
*SUS 304 crew*

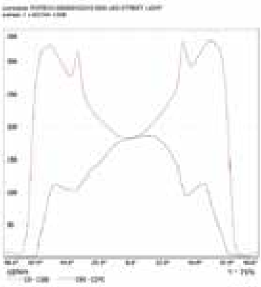
*Lamp arm (Φ 65 mm)*

## LIGHT DISTRIBUTION CURVE

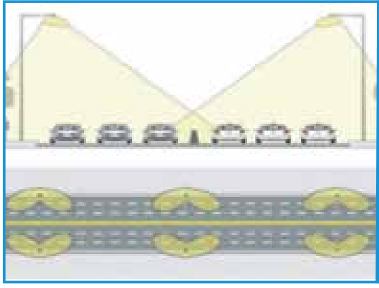


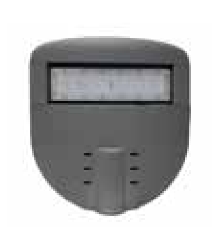


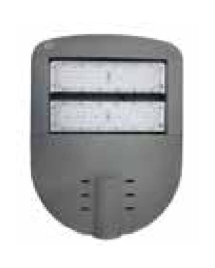


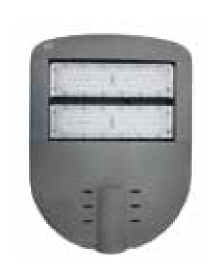


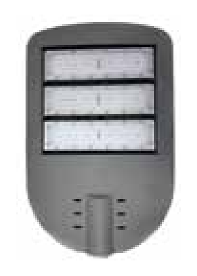
# LED STREET LIGHT (SMD)





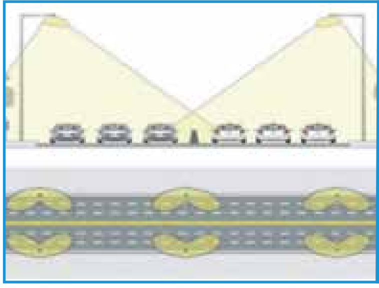






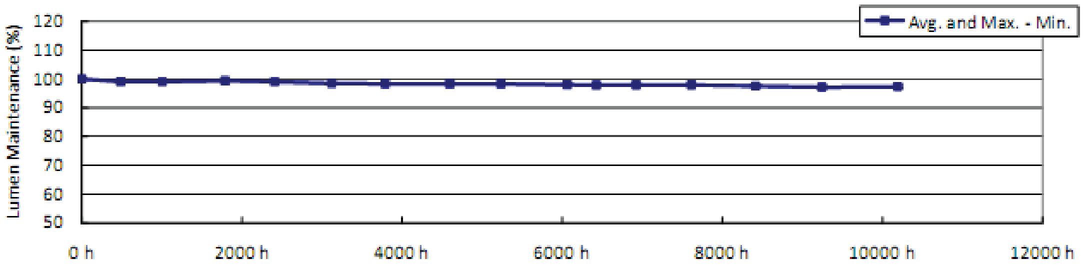
| **Model Number** | PT-SL1-60 | PT-SL1-80 | PT-SL1-100 | PT-SL1-150 |
|---|---|---|---|---|
| Power (W) | 60 | 80 | 100 | 150 |
| Luminous (lm) | 7.500 | 10.000 | 12.500 | 18.750 |
| Product size (mm) | 390x360x90 | 460x360x90 | 460x360x90 | 540x360x90 |
| Weight (kg) | 4.2 | 5 | 5.2 | 6.2 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K-6500K | | | |
| CRI | Ra>80 | | | |
| Beam angle (degree) | 65°x135°/ 85°x135°/120° | | | |
| Supply voltage | AC 180-295V | AC 100-305V, 50/60Hz | | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP66 / IK08 | | | |
| Material | Aluminum alloy + tempered glass | | | |

# LED STREET LIGHT (SMD)

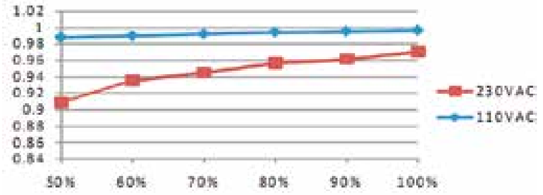


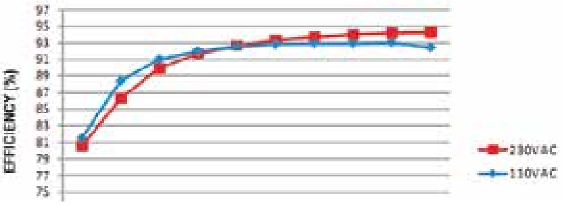
| **Model Number** | PT-SL-APOLLO-80 | PT-SL-APOLLO-100 | PT-SL-APOLLO-150 | PT-SL-APOLLO-200 |
|---|---|---|---|---|
| Power (W) | 80 | 100 | 150 | 200 |
| Luminous (lm) | 10.000 | 12.500 | 18.750 | 25.000 |
| Product size (mm) | 611x260x90 | 611x260x90 | 713x318x98 | 713x318x98 |
| Weight (kg) | 4.8 | 4.8 | 6.5 | 6.7 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K-6500K | | | |
| CRI | Ra>80 | | | |
| Beam angle (degree) | 65°x135°/ 85°x135°/120° | | | |
| Supply voltage | AC 100-305V, 50/60Hz | | | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP66 / IK08 | | | |
| Material | Aluminum alloy + PC + tempered glass | | | |

- ➢ ***Chip LED:***
  - ✓ Global brand - Nichia - Made in Japan with highest lumens 180lm/W
  - ✓ Ceramic substrate unique in the world
  - ✓ LM70: 50.000h at Tj 136°C
  - ✓ LM80: 3% after 10.000 h used at 55°C

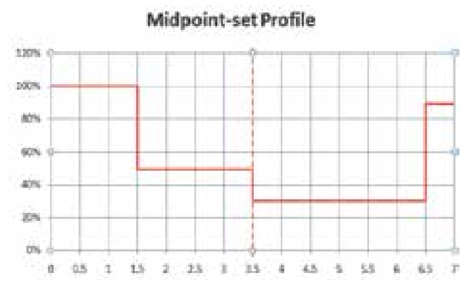


- ➢ ***LED Driver***
  - ✓ Global brand - Meanwell
  - ✓ Circuit breaker to protect Led lighting urgent case
  - ✓ Effiency: up to 98%
  - ✓ Supply voltage: 90-305 VAC





- ➢ ***Protection: IP66-IK09***
  - ✓ ***Housing:*** Polyester anti-corrosion layer.
    Optimized heat dissipation to stabilize lifetime
  - ✓ ***Glass lense:*** High effiency up 93%
- ➢ ***5 power levels (Option)***



# HOW TO DESIGN STREET LIGHT

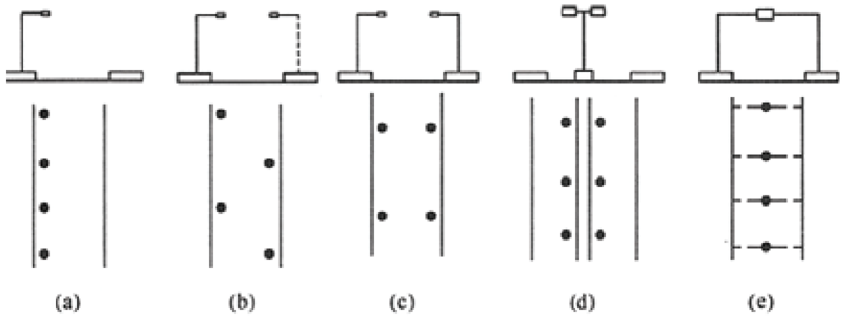


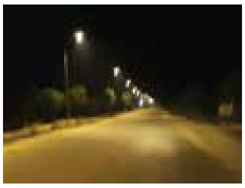
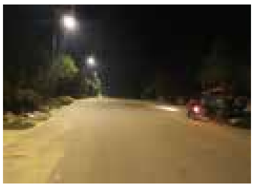
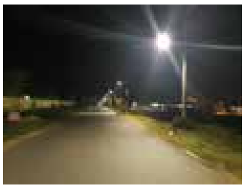
Figure 1.1 are five basic conventional lighting arrangement for conventional lighting arrangement : (a) unilateral arrangement ; (b) bilateral staggered ; (c ) bilaterally symmetrical arrangement ; (d) symmetrically lamp arranged; (e) lateral suspension lamps arranged

| LED POTECH | CONVENTIONAL LIGHTING | HEIGHT (m) | DISTANCE COLUMN (m) | TYPE |
|---|---|---|---|---|
| **40W-60W** | 70W - 125W | 4m – 6m | 25m – 30m | Rural road, small road |
| **80W-100W** | 150W - 250W | 6m – 8m | 35m – 45m | Urban street, factory, etc |
| **120W** | 200W - 250W | 8m – 10m | 40m – 45m | |
| **150W** | 250W – 400W | 10m – 12m | 40m – 45m | |
| **180W** | 400W – 500W | 12m – 14m | 45m – 50m | Highway |

## STREET LIGHTING STANDARD (INDUSTRIAL ZONE, STREET, ETC)

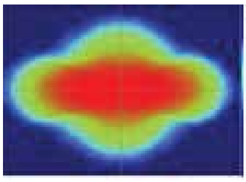
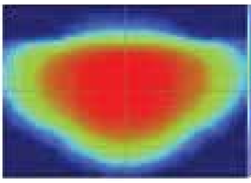
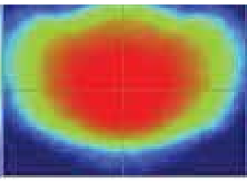
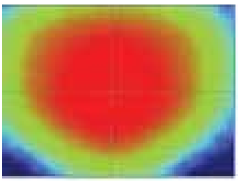
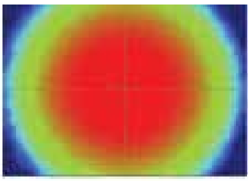
| Type | Average light level (Lux) | Luminous (tb/min)* |
|---|---|---|
| **Class A** | 6 - 8 | 3/1 |
| **Class B** | 4 - 6 | 3/1 |
| **High way** | 6 - 13 | 3/1 |
| **Main street** | 6 - 16 | 3/1 |
| **Small road** | 4 - 11 | 4/1 |
| **Internal road** | 3 - 8 | 6/1 |

## CRT APPLICATION GUIDE

| 3000K | 3500K | 4000K | 5000K | 6500K |
|---|---|---|---|---|

## STREET LIGHTING APPLICATION GUIDE

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

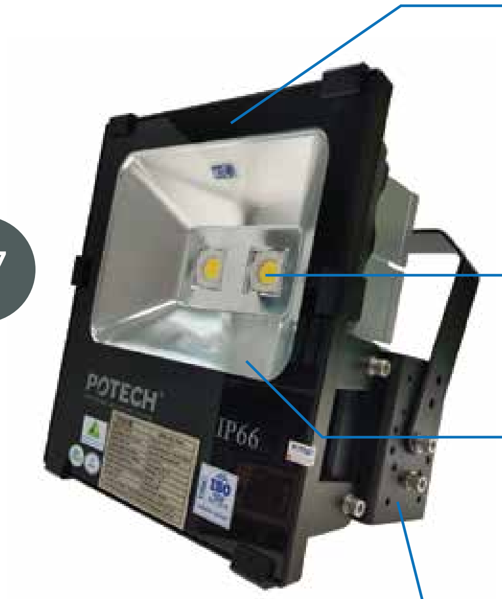
# LED FLOOD LIGHT

| **Model Number** | PT-FL-40 | PT-FL-60 | PT-SPL-80-D100 | PT-SPL-100-D100 |
|---|---|---|---|---|
| Power (W) | 40 | 60 | 80 | 100 |
| Luminous (lm) | 5.000 | 7.500 | 10.000 | 12.500 |
| Product size (mm) | 235x238x150 | 235x238x150 | 280x287x240 | 280x287x240 |
| Weight (kg) | 3.1 | 3.1 | 4.6 | 4.6 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K - 6500K | | | |
| CRI | Ra>70 | | | |
| Beam angle (degree) | 100° | | | |
| Supply voltage | AC 180-295V, 50/60Hz | | AC 100-305V, 50/60Hz | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP66 | | | |
| Material | Aluminum alloy + tempered glass | | | |

# LED FLOOD LIGHT

| **Model Number** | PT-SPL-120-D100 | PT-SPL-150-D100 | PT-SPL-200-D100 | PT-SPL-250-D100 |
|---|---|---|---|---|
| Power (W) | 120 | 150 | 200 | 250 |
| Luminous (lm) | 15.000 | 18.750 | 25.000 | 31.250 |
| Product size (mm) | 280x287x240 | 345×350×260 | 345×350×260 | 345×350×260 |
| Weight (kg) | 4.8 | 7.2 | 7.6 | 7.6 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K - 6500K | | | |
| CRI | Ra>70 | | | |
| Beam angle (degree) | 100° | | | |
| Supply voltage | AC 100-305V, 50/60Hz | | | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP66 | | | |
| Material | Aluminum alloy + tempered glass | | | |

# PT-SPL2-100



**Glass lense**

Safety 4mm tempered glass protects light source, transparent ratio up to 93%.

**Nichia LED**

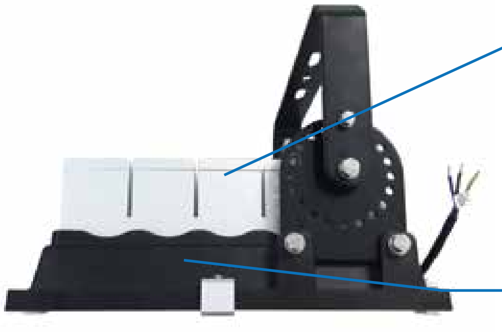
Nichia LED chip with the highest luminescent performance in the world. Life expectancy is over 50,000 hours.

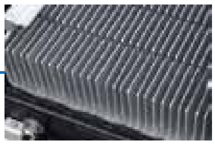
**Reflector**

Reflection is made of pure (99.8%) aluminum, anti-oxidant and colorless, ensuring reflection.

**Wide Angle**

Lighting direction of 180⁰ is adjustable, can meet the needs of variety of place s lighting.





**Heat sink fins**

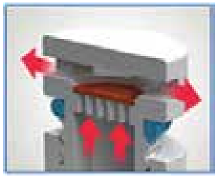
Allocate the fins evenly, making the air convection better, optimizing the cooling ability.

**Thermal dispersion technology**

The fin penetrates deep into the bottom of the heat sink, increasing the heat transfer capacity.

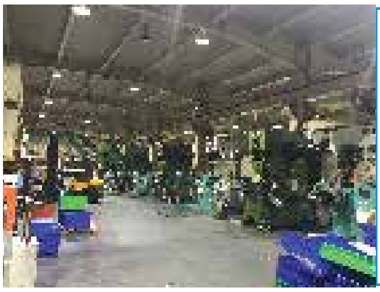
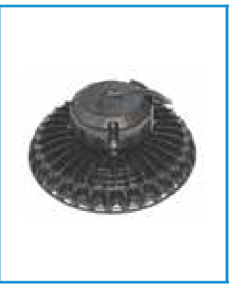
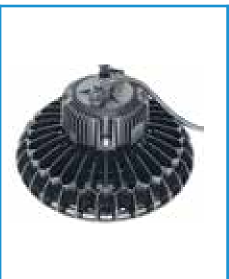
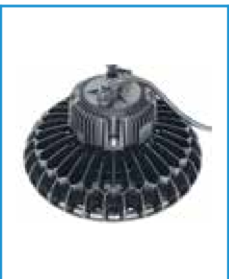
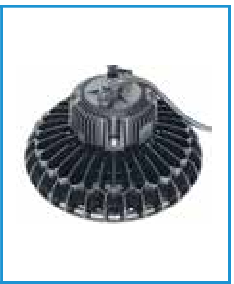
**MEAN WELL Power Suply**

Leading power circuit used for LED. Stable voltage, anti-short circuit, overload, increase lamp life.



**Air convection design**

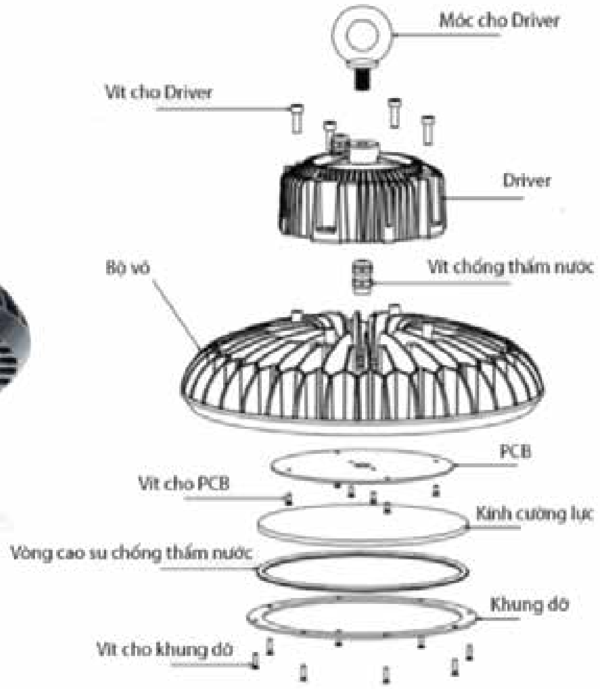
Pressure balance between air and shell, corrosion resistance, water resistance extends product life.

|  |  |  |  |  |
|---|---|---|---|---|
| **Model Number** | PT-UFO-60-N | PT-UFO-80-N | PT-UFO-100-N | PT-UFO-120-N |
| Power (W) | 60 | 80 | 100 | 120 |
| Luminous (lm) | 7.500 | 10.000 | 12.500 | 15.000 |
| Product size (mm) | Ø235x111 | Ø280x169 | Ø280x169 | Ø340x176 |
| Weight (kg) | 1.8 | 4.2 | 4.2 | 5.2 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K - 6500K | | | |
| CRI | Ra>80 | | | |
| Beam angle (degree) | 60° / 90° / 120° | | | |
| Supply voltage | 90-295VAC | 90-305VAC, 50-60Hz | | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP66 | | | |
| Material | Aluminum alloy + tempered glass | | | |

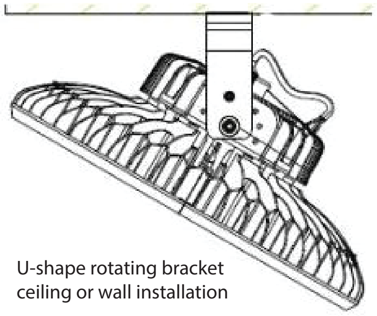
# LED UFO LIGHT

| **Model Number** | PT-UFO-150-N | PT-UFO-200-N | PT-UFO-250-N |
|---|---|---|---|
| Power (W) | 150 | 200 | 250 |
| Luminous (lm) | 18.750 | 25.000 | 31.250 |
| Product size (mm) | Ø340x176 | Ø400×196 | Ø400×196 |
| Weight (kg) | 5.2 | 6.8 | 6.8 |
| LED brand | NICHIA - MADE IN JAPAN | | |
| Power supply | MEAN WELL | | |
| CCT | 2700K - 6500K | | |
| CRI | Ra>80 | | |
| Beam angle (degree) | 60° / 90° / 120° | | |
| Supply voltage | 90-305VAC, 50-60Hz | | |
| Lifespan (hrs) | >50.000 hours | | |
| IP/IK ration | IP 66 | | |
| Material | Aluminum alloy + tempered glass | | |

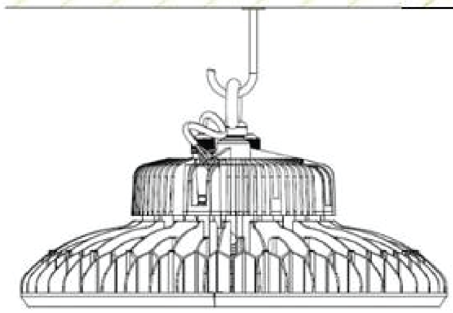
## STRUCTURE



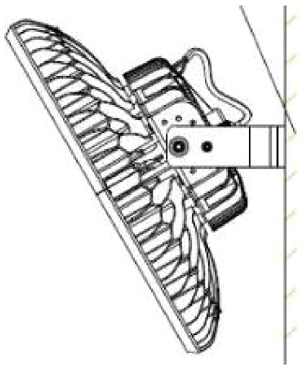
## HOW TO INSTALL LAMP

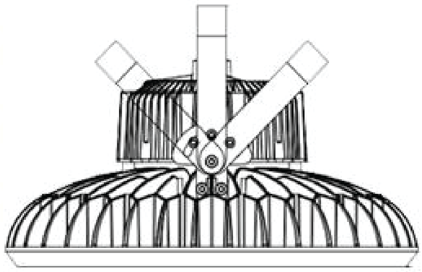


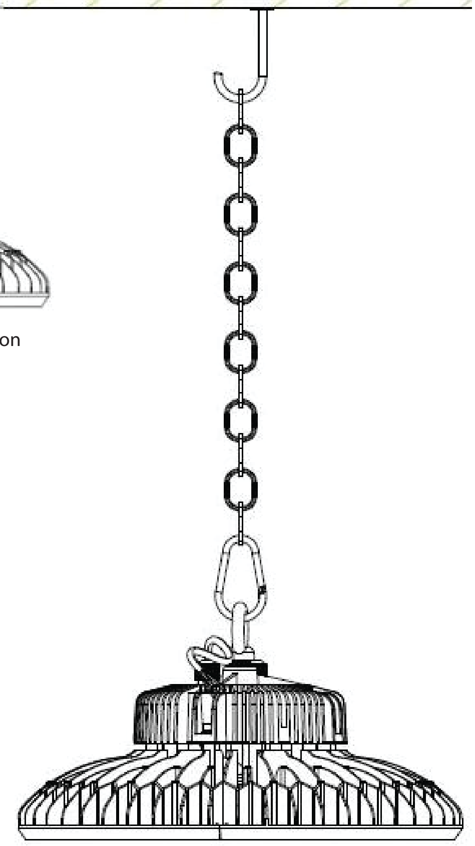
U-shape rotating bracket
ceiling or wall installation



Suspendent ring, suspendent installation







Installation with suspendent chain

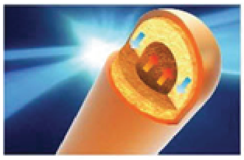
# HIGH POWER LED FLOODLIGHT

| **Model Number** | PT-HPL-400-DX | PT-HPL-450-DX | PT-HPL-500-DX | PT-HPL-600-DX |
|---|---|---|---|---|
| Power (W) | 400 | 450 | 500 | 600 |
| Luminous (lm) | 50.000 | 56.250 | 62.500 | 75.000 |
| Product size (mm) | Ø375×410×510 | Ø375×410×510 | Ø375×410×510 | Ø375×410×510 |
| Weight (kg) | 13 | 13 | 15.6 | 15.6 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K - 6500K | | | |
| CRI | Ra>70/80 | | | |
| Beam angle (degree) | 25°/45°/60°/90° | | | |
| Supply voltage | 100-305VAC, 50-60Hz | | | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP 66 | | | |
| Material | Aluminum alloy + tempered glass | | | |

# HIGH POWER LED FLOOD LIGHT

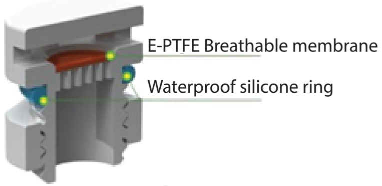
**Bracket Angle 216º**

Mounting Bracket is with 13 adjustable point, 216º adjustable installation angle can be adjusted freely.



**Copper heatpope**

Heat pipe by using the theory of heat transfer and refrigeration, rapid heat transfer properties of the medium to transfer heat quickly to the heat source, thermal capacity than any known metal.

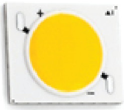


**Respirator design**

Waterproof design, eliminatng mist, avoiding codensation, improving quality, extending the lifespan.

**Reflector reflection rate is up to 92%**

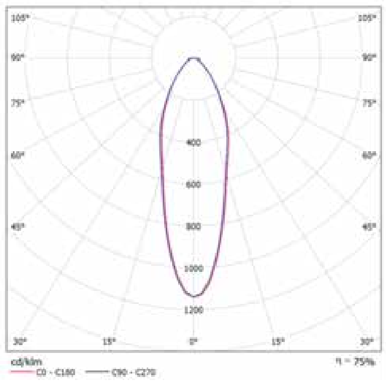
The Angle of the reflective 25º 45º 60º 90º 100º, reflection rate is up to 92%.

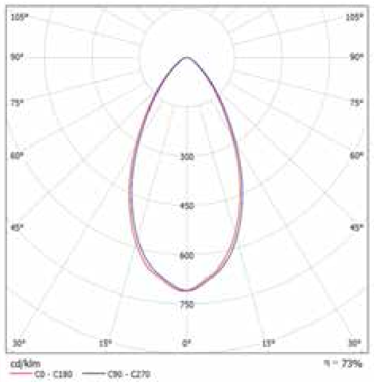


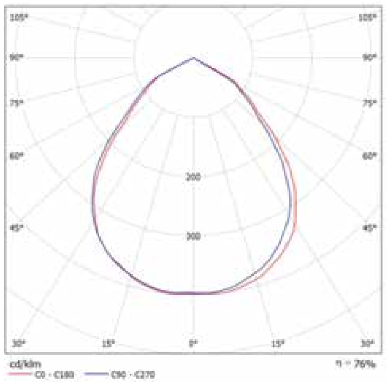
**Nichia LED Chip**

Highest luminescent performance in the world. Life expectancy is over 50,000 hours.

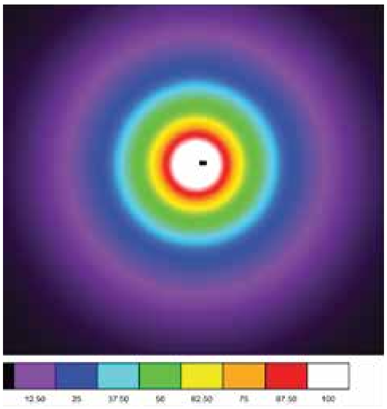
## LIGHT DISTRIBUTION CHARACTERISTICS



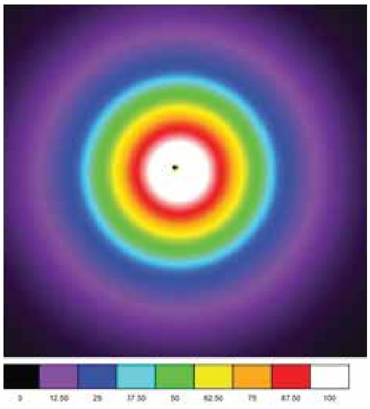




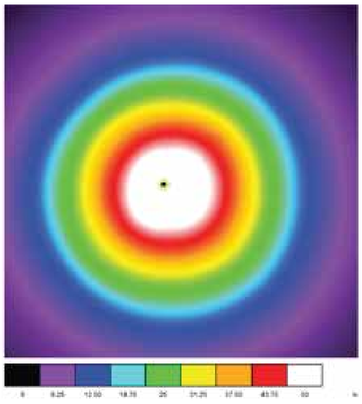
### Beam angle 25º



### Beam angle 45º



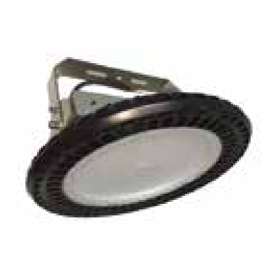
### Beam angle 90º

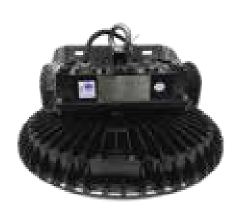


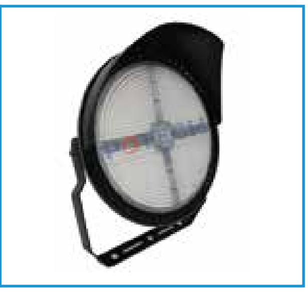
# HIGH POWER LED FLOOD LIGHT

| **Model Number** | PT-HPL-500-D15 | PT-HPL-600-D15 | PT-HPL-800-D15 | PT-HPL-900-D15 |
|---|---|---|---|---|
| Power (W) | 500 | 600 | 800 | 900 |
| Luminous (lm) | 60.000 | 72.000 | 96.000 | 108.000 |
| Product size (mm) | Ø407x471 | Ø407x471 | Ø479x496 | Ø479x496 |
| Weight (kg) | 15 | 15 | 25.5 | 25.5 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K- 6500K | | | |
| CRI | Ra>70 | | | |
| Beam angle (degree) | 10˚/15˚/25˚/30˚ | | | |
| Supply voltage | 95-305 VAC, 50/60 Hz | | | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP 66 | | | |
| Material | Aluminum alloy + tempered glass | | | |

# LED FLOOD LIGHT UFL

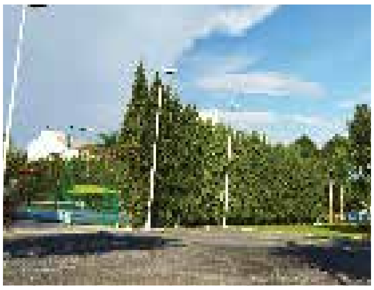
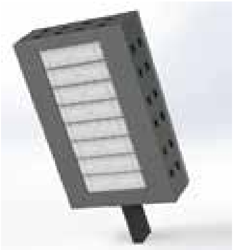
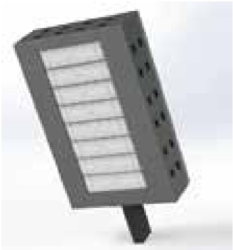
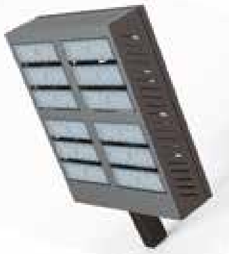






| **Model Number** | PT-UFL-300-DX | PT-UFL-400-DX | PT-UFL-500-DX |
|---|---|---|---|
| Power (W) | 300 | 400 | 500 |
| Luminous (lm) | 37.500 | 50.000 | 60.000 |
| Product size (mm) | Ø400x269 | Ø460x316 | Ø480x570x329 |
| Weight (kg) | 9.5 | 13.5 | 15 |
| LED brand | NICHIA - MADE IN JAPAN | | |
| Power supply | MEAN WELL | | |
| CCT | 2700K - 6500K | | |
| CRI | Ra>80 | | |
| Beam angle (degree) | 30°/60°/90° | | |
| Supply voltage | 100-305VAC, 50-60Hz | | |
| Lifespan (hrs) | >50.000 hours | | |
| IP/IK ration | IP 66 | | |
| Material | Aluminum alloy | | |

# LED TENNIS LIGHT

| Model Number | PT-TN-400 | PT-TN-500 | PT-TN-600 |
|---|---|---|---|
| Power (W) | 400 | 500 | 600 |
| Luminous (lm) | 48.000 | 60.000 | 72.000 |
| Product size (mm) | 690x450x155 | 690x450x155 | 700x600x160 |
| Weight (kg) | 16.8 | 16.8 | 18.2 |
| LED brand | NICHIA - MADE IN JAPAN | | |
| Power supply | MEAN WELL | | |
| CCT | 2700K - 6500K | | |
| CRI | Ra>80 | | |
| Beam angle (degree) | 60°/90°/70°x140° | | |
| Supply voltage | 100-305VAC, 50-60Hz | | |
| Lifespan (hrs) | >50.000 hours | | |
| IP/IK ration | IP 66 | | |
| Material | Aluminum alloy | | |

# MINI LED LOW BAY LIGHT

| **Model Number** | PT-LB-20-L60 | PT-LB-40-L120 | PT-LB-50-L120 | PT-LB-60-L150 |
|---|---|---|---|---|
| Power (W) | 20 | 40 | 50 | 60 |
| Luminous (lm) | 2.400 | 4.800 | 6.000 | 7.500 |
| Product size (mm) | 600x80x45 | 1200x80x45 | 1200x80x45 | 1500x80x45 |
| Weight (kg) | 0.7 | 1 | 1 | 1.4 |
| LED brand | NICHIA | | | |
| Power supply | NO FLICKER DRIVER | | | |
| CCT | 2700K - 6500K | | | |
| CRI | Ra>80 | | | |
| Beam angle (degree) | 120° | | | |
| Supply voltage | 95-265VAC, 50/60Hz | | | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP65 | | | |
| Material | Aluminum alloy + PC Cover | | | |

# LED LOW BAY LIGHT

| **Model Number** | PT-LB-80 | PT-LB-100 | PT-LB-120 | PT-LB-150 |
|---|---|---|---|---|
| Power (W) | 80 | 100 | 120 | 150 |
| Luminous (lm) | 9.600 | 12.000 | 14.400 | 18.000 |
| Product size (mm) | 600x150x68 | 900x150x68 | 900x150x68 | 1200x150x68 |
| Weight (kg) | 3.8 | 4.8 | 5 | 6.5 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K - 6500K | | | |
| CRI | Ra>80 | | | |
| Beam angle (degree) | 120° | | | |
| Supply voltage | 100-305VAC, 50/60Hz | | | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP65 | | | |
| Material | Aluminum alloy + PC Cover | | | |

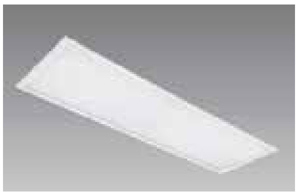
# LED CANOPY LIGHT

| **Model Number** | PT-CNP-60 | PT-CNP-80 | PT-CNP-100 | PT-CNP-120 |
|---|---|---|---|---|
| Power (W) | 60 | 80 | 100 | 120 |
| Luminous (lm) | 7.500 | 10.000 | 12.500 | 15.000 |
| Product size (mm) | 265x265x80 | 265x265x80 | 315x315x97 | 315x315x97 |
| Weight (kg) | 2.4 | 2.4 | 3.4 | 3.5 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K - 6500K | | | |
| CRI | Ra>80 | | | |
| Beam angle (degree) | 120° | | | |
| Supply voltage | 180-295VAC | 100-305VAC, 50/60Hz | | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP65 | | | |
| Material | Aluminum alloy + PC | | | |

# LED CANOPY LIGHT

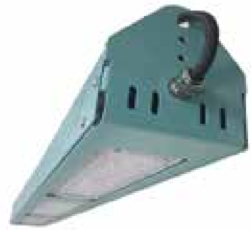
| **Model Number** | PT-CNP-80-G | PT-CNP-100-G | PT-CNP-120-G | PT-CNP-150-G |
|---|---|---|---|---|
| Power (W) | 80 | 100 | 120 | 150 |
| Luminous (lm) | 10.000 | 12.500 | 15.000 | 18.750 |
| Product size (mm) | 420x420x67 | 420x420x67 | 420x420x67 | 420x420x67 |
| Weight (kg) | 4.7 | 4.7 | 5.0 | 5t.0 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K - 6500K | | | |
| CRI | Ra>80 | | | |
| Beam angle (degree) | 120° | | | |
| Supply voltage | 100-305VAC, 50/60Hz | | | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP65 | | | |
| Material | Aluminum alloy + anti glare glass | | | |

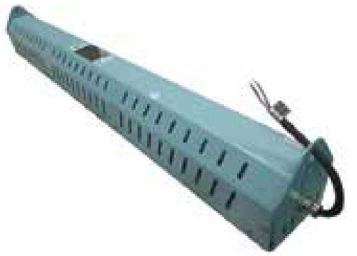
# LED PANEL LIGHT



| **Model Number** | PT-PN-40-0606 | PT-PN-40-1203 | PT-PN-60-1206 |
|---|---|---|---|
| Power (W) | 40 | 40 | 60 |
| Luminous (lm) | 4.800 | 4.800 | 7.200 |
| Product size (mm) | 600x600 | 1200x300 | 1200x600 |
| Weight (kg) | 2 | 2.1 | 3.9 |
| LED brand | NICHIA | | |
| Power supply | OSRAM | | |
| CCT | 2700K - 6500K | | |
| CRI | Ra>80 | | |
| Beam angle (degree) | 120° | | |
| Supply voltage | 198-264VAC, 50/60Hz | | |
| Lifespan (hrs) | >50.000 hours | | |
| IP/IK ration | IP54 | | |
| Material | Aluminum alloy + PC | | |

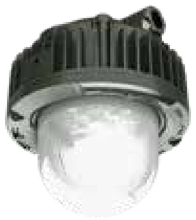
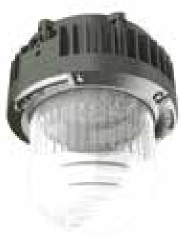
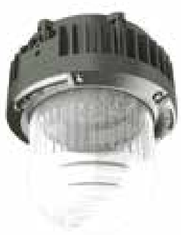
# LED WAREHOUSE LIGHT



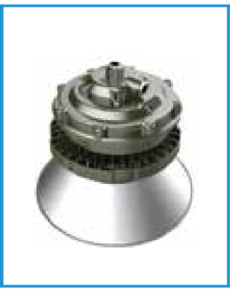


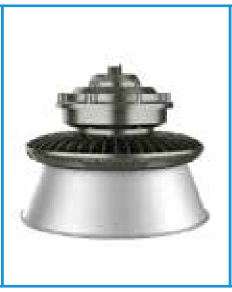
| **Model Number** | PT-WL-100-N | PT-WL-150-N | PT-WL-200-N | PT-WL-250-N |
|---|---|---|---|---|
| Power (W) | 100 | 150 | 200 | 250 |
| Luminous (lm) | 12.500 | 18.750 | 25.000 | 31.250 |
| Product size (mm) | 645x110x130 | 950x110x130 | 1260x110x130 | 1565x110x130 |
| Weight (kg) | 5 | 6.8 | 8.6 | 10.4 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | | |
| CCT | 2700K - 6500K | | | |
| CRI | Ra>80 | | | |
| Beam angle (degree) | 60°/90°/70°x140° | | | |
| Supply voltage | 100-305VAC, 50/60Hz | | | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP65 | | | |
| Material | Steel + PC Lens | | | |

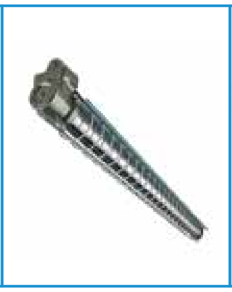
# LED EXPLOSION PROOF LIGHT

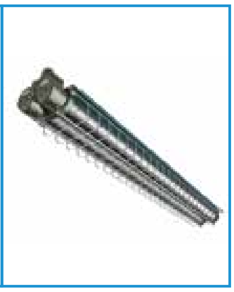
| |  |  |  |
|---|---|---|---|
| **Model Number** | PT-EXP-40 | PT-EXP-60 | PT-EXP-80 |
| Power (W) | 40 | 60 | 80 |
| Luminous (lm) | 4.800 | 7.200 | 9.600 |
| Product size (mm) | Ø180x211 | Ø230x214 | Ø230x214 |
| Weight (kg) | 2.8 | 6.4 | 6.4 |
| LED brand | NICHIA - MADE IN JAPAN | | |
| Power supply | MEAN WELL | | |
| CCT | 2700K - 6500K | | |
| CRI | Ra>70 | | |
| Beam angle (degree) | 140° | | |
| Supply voltage | 100-305VAC, 50/60Hz | | |
| Lifespan (hrs) | >50.000 hours | | |
| IP/IK ration | IP 66 | | |
| Material | Aluminum alloy | | |

# LED EXPLOSION PROOF LIGHT









| **Model Number** | PT-EXHBL-100 | PT-EXHBL-150 | PT-EXP-1x18 | PT-EXP-2x18 |
|---|---|---|---|---|
| Power (W) | 100 | 150 | 18 | 36 |
| Luminous (lm) | 12.000 | 18.000 | 2.160 | 4.320 |
| Product size (mm) | Ø356×232 | Ø356×232 | 1280x123x146 | 1280x202x146 |
| Weight (kg) | 8.7 | 9.2 | 3.5 | 6 |
| LED brand | NICHIA - MADE IN JAPAN | | | |
| Power supply | MEAN WELL | | NO FLICKER DRIVER | |
| CCT | 2700K - 6500K | | | |
| CRI | Ra>80 | | | |
| Beam angle (degree) | 90°/120° | | 120° | |
| Supply voltage | 100-305VAC, 50-60Hz | | 100-240 VAC, 50/60 Hz | |
| Lifespan (hrs) | >50.000 hours | | | |
| IP/IK ration | IP65 | | | |
| Material | Aluminum alloy | | | |

# SOLAR LED STREET LIGHT

| **Model Number** | PT-SSL-50 | PT-SSL-80 | PT-SSL-100 |
|---|---|---|---|
| Power (W) | 50 | 80 | 100 |
| Luminous (lm) | 6.250 | 10.000 | 12.500 |
| Solar panel size (mm) | 1140x670x30 | 1140x670x30 (x2) | 1480x680x40 (x2) |
| Battery capacity | 12V/80 Ah | 12V/120 Ah | 12V/150 Ah |
| LED brand | NICHIA - MADE IN JAPAN | | |
| Power supply | Input 12VDC, output 36VDC | | |
| CCT | 2700K - 6500K | | |
| CRI | Ra>80 | | |
| Beam angle (degree) | 120º, 70ºx140º | | |
| Supply voltage | 36VDC, 2.7A | | |
| Luminous time | 10 hours | | |
| IP/IK ration | IP 66 | | |
| Material | Aluminum alloy + PC Lens | | |

## Factory

## Warehouse

## Public street lighting

## Multi-function sports hall

## Mini football ground

## Swimming pool lighting

## Golf

## Factory

## Factory

# AGENTS & DISTRIBUTORS

## I. HEADQUATER

### POTECH POWER TECHNOLOGY CO. LTD

- ***Tax code:*** *0311519359*
- ***Address:*** *350/33/10/9B National Route 1, 4 Quarter,*
  *An Phu Dong Ward, Disctric 12, Ho Chi Minh City, Vietnam*
- ***Tel:*** *+84 28 372 69399* ***Hotline:*** *+849 12 12 2016*
- ***Email:*** *cskh@potech.com.vn*
- ***Website:*** *www.potech.com.vn*

## II. DISTRIBUTOR IN CENTRAL

### LIGHTVIET CO. LTD

- ***Tax code:*** *4001004572*
- ***Address:*** *K72/2 Nguyen Van Thoai street, My An Ward,*
  *Ngu Hanh Son District, Da Nang City, Vietnam*
- ***Tel:*** *+84 236 629 0099* - ***Hotline:*** *+84 868 387 555 (Mr Khoa )*
- ***Email:*** *info@lightsviet.com*
- ***Website:*** *www.lightsviet.com / www.denlednichia.vn*

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### NAVADA VIET NAM CO. LTD

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- ***Address:*** *134 Hoang Sam street, Nghia Do Ward,*
  *Cau Giay District, Ha Noi City, Vietnam*
- ***Tel:*** *+84 24. 6683 8800* - ***Hotline:*** *+84 936 585 363 (Mr. Dũng)*
- ***Email:*** *navadavietnam@gmail.com*
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Website: www.potech.com.vn / Email: cskh@potech.com.vn