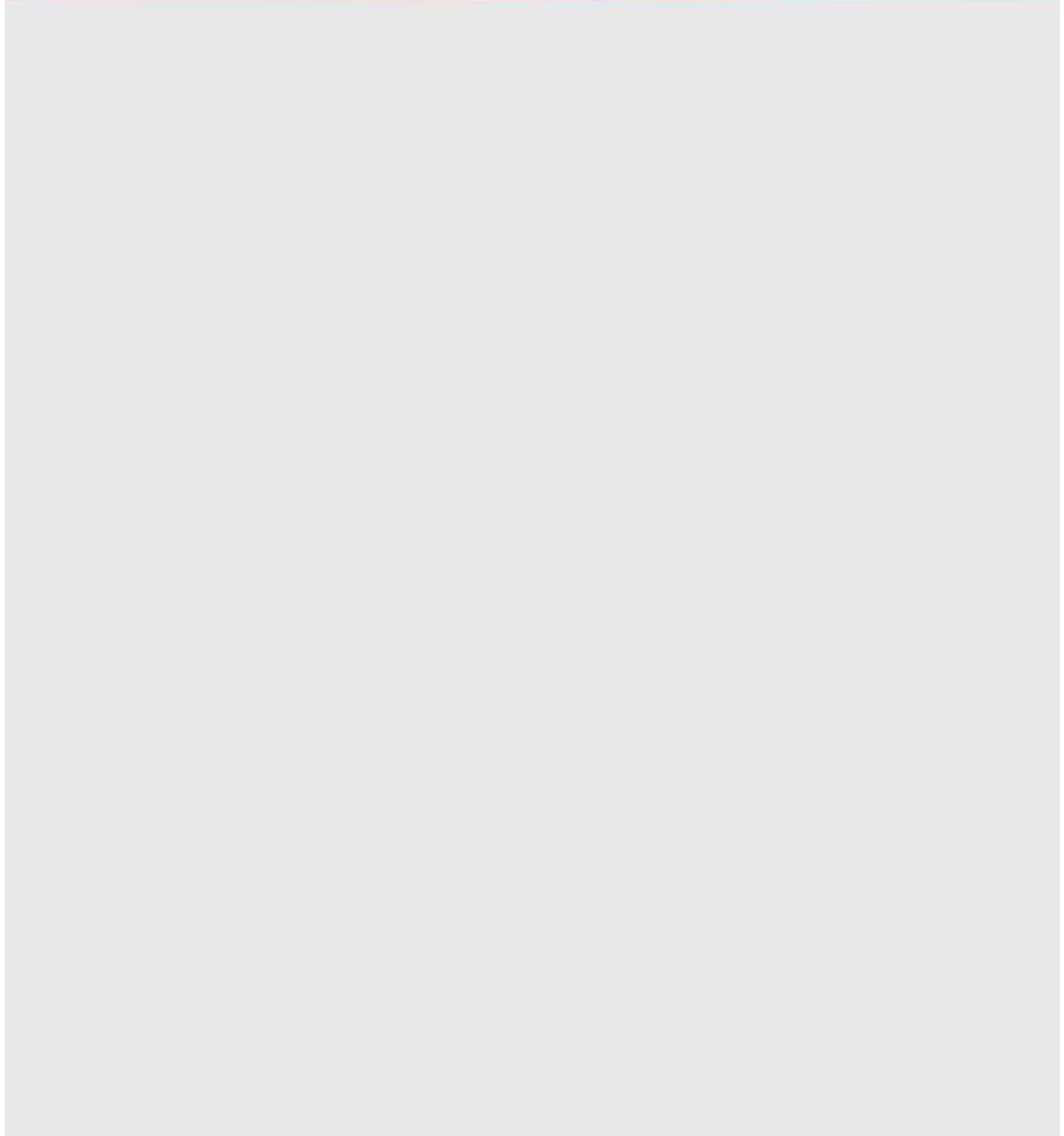




# LED 4.0

GREEN - SMART  
HUMAN CENTRIC LIGHTING  
G - S - HCL





# CONTENT

## LIGHTING SOLUTION FOR **SMART HOME - SMART OFFICE**

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# A DAY WITH RANG DONG'S LIGHTING SOLUTIONS



FOR BETTER HEALTH  
**AND WELL-BEING**



# LIGHTING SOLUTION SMART CONTROL BY WIFI



A hand is visible on the left side of the page, pointing towards the text. The background behind the hand is a blurred image of green trees.

# SMARTHOME SMARTOFFICE

A white Wi-Fi symbol consisting of three curved lines of increasing size, positioned above the word 'SMARTHOME'.

# SMARTHOME





You can control each and every electrical device in the house or combine them into groups and create unlimited numbers of lighting scripts to help you feel more comfortable and convenient.



## ■ LIVING ROOM

- Use voice command or mobile app to monitor the lighting system, TV and curtains to welcome your guests.
- Door sensor will detect your presence and light will automatically turn on when you come home.

## ■ BEDROOM

- Auto - detection and light adjustment for elderly and children who often wake up at night.
- Sufficient light is enough to avoid falling but not intense enough to wake others up.
- Convenient to use voice command to adjust the lights without leaving the bed.

## ■ CONTROLLING CURTAINS

- Remotely manage one or more curtains with Rang Dong Smart App.
- Set the wake-up mode to automatically open the curtains in your children's room in the morning.

## ■ DINING ROOM

- No need to run back and forth to turn on/off or adjust the light.
- With Rang Dong Smart App, everything is pre-installed. You can choose the suitable mode for a warm and cozy family dinner.

# SMART OFFICE



## SMART OFFICE

**Smart Office Solution** is able to change colors and light intensity according to real time, to simulate the cycle of natural light in accordance with the human circadian rhythm. Working in such comfortable lighting environment, workers are healthier, more creative and more productive.

### FLEXIBLE LIGHTING BASED ON ACTIVITIES

- **Working:** Use high intensity daylight.
- **Meeting:** Use natural warm-white light, creating comfortable atmosphere.
- **Relaxing:** Use low intensity warm light.



### MORE PROFESSIONAL

- You just need to focus on delivering a presentation at the meeting room. Rang Dong Smart App will take care of pulling the curtains, opening the projector, turning off the lights and lowering the screen.
- You can easily use the presets from Rang Dong Smart App to turn on/off the devices in the office.

# ADVANTAGES

## WIRELESS STANDARD, COMPATIBILITY AND SECURITY

- Wireless standard: 802.11 b/g/n Wi-Fi
- Highly secured, preventing hackers; data encrypted in compliance with AES ECB-128 standard
- Security certified:
  - ISO 27017: Information security control for cloud services
  - ISO 27018: Protection of Personally Identifiable Information (PII)
  - GDPR: EU General Data Protection Regulation
  - ISO 9001: Quality management system



RangDongSmart



RangDongSmart

- **Rang Dong Smart App** can be downloaded on both iOS (from iOS 9.0) and Android operating systems.
- Able to control via Internet (3G/4G/5G)



**SAFER:** Able to monitor all electrical devices wherever you are, preventing intruders from breaking into your house.

**GOOD FOR HEALTH AND MOOD:** Light intensity is adjustable in real time to help create a comfortable space and enhance your life quality



SMARTHOME



**CONVENIENT & TIME-SAVING:** Able to control all aspects of lights with just one simple touch

**ENERGY-SAVING & COST-SAVING:** LED lights and automatic shutdown system help save energy and lower electric bill.

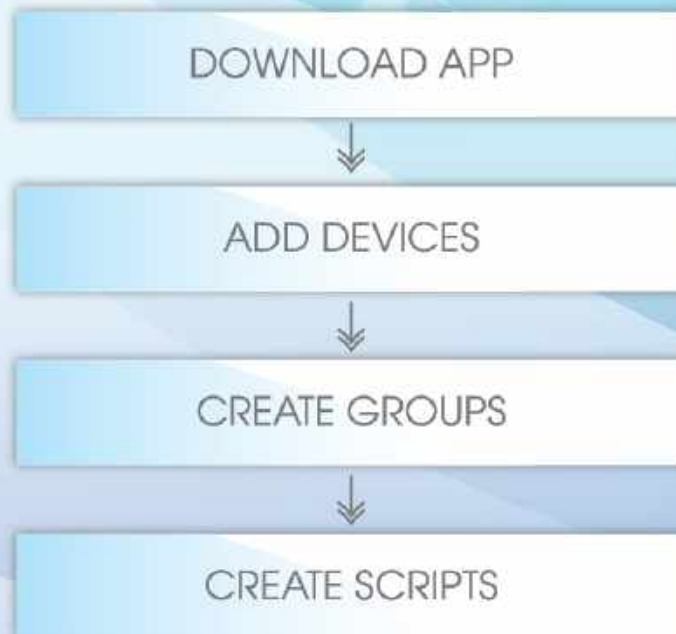
SMARTOFFICE



# OPERATING SYSTEM MODEL



## OPERATION FLOW CHART



# LED PRODUCTS





**LED BULB**  
**RGBW+DIM+CCT+WIFI**  
**MODEL: LED A60 RGBW/9W.WF**

-   
Remote control  
via Internet
-   
Voice control
-   
Dimmable
-   
Timer control
-   
Script control



<b>Model:</b>	<b>LED A60 RGBW/9W.WF</b>
Power:	9W
Voltage:	110/220 V - 50/60 Hz
Power factor:	0.5
Luminous flux:	810/830 lm
Color temperature:	3000 K + 6500 K
Base cap:	E26/ E27/ B22
Dimension (LxØ):	(120 x 60) mm

      available



Daylight



Warmlight



Color tunable



**LED STRIP**  
**RGBW+WIFI**  
 MODEL: D LD01 RGBW.WF



**Model:** D LD01RGBW.WF

Input voltage : (100 + 240) V

Output voltage: (12 ± 0.3) VDC

Length : 5 m



: available



Lighting for workplace



Lighting for relaxing



Lighting for recreation



## LED PANEL 60x60/40W

DIM+CCT+WIFI  
 MODEL: D P02L 60X60/40W.WF



<b>Model:</b>	<b>D P02L 60x60/40W.WF</b>
Power:	40W
Voltage:	110/220V - 50/60 Hz
Power factor:	0.9
Luminous flux:	3300 lm/ 3600 lm
Color temperature:	3000 K + 6500 K
Lifespan:	25 000 hrs
Weight:	5 kgs
Dimension (DxRxH):	(600 x 600 x 10) mm

UL, DLC, FCC, CE, RoHS: available



Lighting for offices, hospitals, shopping malls



Lighting for home



Lighting for workplace



**LED PANEL 30x120/40W**  
 DIM+CCT+WIFI  
 MODEL: D P02L 30X120/40W.WF



<b>Model:</b>	<b>D P02L 30x120/40W.WF</b>
Power:	40W
Voltage:	110/220 V - 50/60 Hz
Power factor:	0.9
Luminous flux:	3300 lm /3600 lm
Color temperature:	3000 K ÷ 6500 K
Lifespan:	25 000 hrs
Weight:	5 kgs
Dimension (DxRxC):	(1200 x 300 x 10) mm






 : available





## LED DOWNLIGHT DIM+CCT+WIFI

MODEL: D AT16L 90/7W.WF  
D AT16L 110/9W.WF



Model:	D AT16L 90/ 7W.WF	D AT16L 110/ 9W.WF
Power:	7W	9W
Voltage:	110/220 V - 50/60 Hz	110/220 V - 50/60 Hz
Ra:	80	80
Power factor:	0,9	0,9
Luminous flux:	520 lm	720 lm
Color temperature:	3000 K + 6500 K	3000 K + 6500 K
Lifespan:	30 000 hrs	30 000 hrs



:available

Download on the  
App Store



GET IT ON  
Google Play

amazon alexa



Workplace, conference room, lobby



Lighting for office, hospitals, shopping malls



Lighting for home: Living room, kitchen



## CEILING LIGHT DIM+CCT+WIFI

- MODEL: D LN14L 590/60W.WF.IR
- D LN15L 490/48W.WF.IR
- D LN16L 500/48W.WF.IR
- D LN17L 550/60W.WF.IR
- D LN18L 490/48W.WF.IR



Model:	D LN14L 590/60W.WF.IR	D LN15L 490/48W.WF.IR
Power:	60W	48W
Voltage:	110/220 V - 50/60 Hz	110/220 V - 50/60 Hz
Luminous flux:	4600 lm	3700 lm
Lifespan:	25 000 hrs (L70)	25 000 hrs (L70)
Color temperature:	3000 K - 6500 K	3000 K - 6500 K
Dimension:	Ø 590 mm	Ø 490 mm

Model:	D LN16L 500/48W.WF.IR	D LN17L 550/60W.WF.IR	D LN18L 490/48W.WF.IR
Power:	48W	60W	48W
Voltage:	110/220 V - 50/60 Hz	110/220 V - 50/60 Hz	110/220 V - 50/60 Hz
Luminous flux:	3900 lm	4300 lm	3900 lm
Lifespan:	25 000 hrs (L70)	25 000 hrs (L70)	25 000 hrs (L70)
Color temperature:	3000 K - 6500 K	3000 K - 6500 K	3000 K - 6500 K
Dimension:	Ø 500 mm	Ø 550 mm	Ø 490 mm


 : available





## LED TUBE T5/16W

DIM+CCT+WIFI

MODEL: BD LT04 N02 120/16W.WF



**Model:** BD LT04 N02 120/16W.WF

Power: 16W

Voltage: 110/220 V - 50/60 Hz

Luminous flux: 1500 lm

Ra: 80

Lifespan: 30 000 hrs (L70, F50)

Color temperature: 3000 K - 6500 K

Dimension (LxWxH): (1200 x 22 x 36) mm






 : available



Lighting for factories warehouses



Lighting for supermarkets



Lighting for apartments

# ACCESSORIES






## WiFi SINGLE SOCKET

MODEL: P E01/10A.WF



<b>Model:</b>	<b>P E01/10A.WF</b>
Voltage:	110/220 V - 50/60 Hz
Maximum load:	10A 230VAC 2300W
Wifi band:	Wifi 2.4G
<b>FC CE</b> 	available



Connect to lamp



Connect home appliances



Connect home appliances



## 4-OUTLET SOCKET WITH WIFI + USB

MODEL: P E04.3/10A.WF



Model:	P E04/10A.WF
Wire length:	1,8m
Rated voltage:	110/220 V - 50/60 Hz
Working voltage range:	(100 ÷ 250) VAC
Maximum load:	10A 250VAC 2500W
USB:	5V/0.5A 2.5W
Connection method	Wifi
Standard wifi:	EEE 802.11 b/g/n
Wifi band:	Wi-Fi 2.4G
FC CE RoHS:	available





## TOUCH SWITCH

MODEL: RD - SW.1



<b>Model:</b>	<b>RD - SW.1</b>
Voltage :	110/220.V - 50/60 Hz
Power for 1 button:	For LED light ; 150W
Working temperature:	(0 ÷ 40) °C
Turn on/off:	100.000 times
Dimension (DxRxC):	(121x 81 x 36) mm
<b>FC CE RoHS:</b>	available





## TOUCH SWITCH (for controlling curtains)

MODEL: RD - SW/REM.1



<b>Model:</b>	<b>RD - SW/REM.1</b>
Voltage :	110/220 V - 50/60 Hz
Working temperature:	(0 - 40) <sup>o</sup> C
Humidity:	< 85%
Turn on/off:	100,000 times
Dimension (DxRxC):	(121x 81x36)mm
<b>FC CE</b> 	available





## IR CONTROLLER

MODEL: RD IR/WF

To control the devices using IR

<b>Model:</b>	<b>RD IR/WF</b>
Input voltage :	5VDC
Current:	1A
Working temperature:	0 ± 50°C
Controlling distance:	<8m without obstacles
Controlling direction:	omnidirectional
Dimension:	(68x68x27) mm





## ALEXA SMART SPEAKER



Control with Voice commands.  
Monitor multiple devices at once.



# SMART REMOTE CONTROL



# ADVANTAGES

By use of digital remote control, it will be easy to set up a scene to light up your living environment, workspace, business area and most suitable with individual preferences, creating a relaxing, safe, healthy and creative ambience.

## WIRELESS STANDARD, COMPATIBILITY AND SECURITY

Wireless standard: 2.4 GHz RF (Radio Frequency)

Using 2.4 GHz RF Remote control switch.

The system is secured by use of 16-bit memory address; the connection signal from the remote switch to the lights will be confirmed by a sequence of turning on and off the lights within 10 seconds.

Remote control switch is synchronized and attached to Rang Dong's lighting system.

### SIMPLE

As easy to be installed and replaced as conventional lighting products.

### PRICE

Reasonable costs on equipment and installation.

### EASY TO USE

No need of WIFI nor Internet

### FLEXIBLE

Easy to set up an illumination scene with remote control.

### LIGHTING QUALITY

Flicker-free, meeting the requirements of green lighting, eye protection.

### SAFE & RELIABLE

Electromagnetic compatibility, preventing unauthorized access



Remote control



Intensity adjustable



Light color adjustable  
(daylight/warm light)



Script control



Timer control





FLEXIBLE LIGHTING WITH 1 SIMPLE BUTTON



**"DAILY" SCRIPT**

- Provide the lights convenient with regular indoor activities.
- Use Downlight for direct lighting.
- Brightness: 100%
- Color: Daylight

**"RELAX" SCRIPT**

- Provide proper lights for relaxing ambiance after hours of hard work.
- Indirect lighting: ceiling lamps, decorative lamps
- Brightness: 70%
- Color: Warm



**"ENTERTAINMENT" SCRIPT**

- The lights will focus on the TV area, speakers, picture display spots, etc. in order to gain attraction from viewer/audiences.
- Direct lighting: LED Downlight (TV area)
- Brightness: 50%
- Color: Neutral

**"FESTIVAL" SCRIPT**

- Provide vivid lights that emphasizes the beauty of the interior, creating a cozy atmosphere suitable with family reunion occasions.
- Use all lamps in the room.
- Brightness: 100%
- Color: Neutral

SMARTREMOTE CONTROL

# LED PRODUCTS AND ACCESSORIES



Remote control



Intensity adjustable



Light color adjustable  
(daylight/warm light)



Script control



Timer control



**Model:** RD SC.S1  
**Working range:** 30m (no obstacles)  
**Control wave:** RF 2.4Ghz  
**Function:**  
 + To control one or more lamps.  
 + To adjust light intensity, light color  
 + To control the lights through scripts, timer.

**Model:** RD SC.S1  
**Working range:** 20m (no obstacles)  
**Control wave:** RF 2.4Ghz  
**Function:**  
 + To control the lights through scripts.  
 + To adjust light intensity, light color



**Model:** RD - BN LD01.RF  
**Specifications of driver of 24 VDC LED strip**  
**Input voltage:** 110/220 V - 50/60 Hz  
**Output voltage:** 24 VDC  
**Maximum output current:** 6.5 A

**Specifications of control driver**  
**Input voltage:** 24 VDC  
**Maximum input current:** 10 A  
**Output current:** 24 VDC  
**Maximum output current:** 10A



**Model:** RD - LD01.RF  
**Power:** 40W/ 5m  
**Input voltage:** 24 VDC ± 2V  
**Power:** 36W/ 5m  
**Luminous flux:** 3000 lm / 5m  
**Color temperature:** 3000 K ÷ 6500 K  
**Protection class:** IP65  
**Lifetime:** 20 000 hours (L70/F50)  
**Length :** 5 m

**40w**


LED PANEL

**Model:**

**D P07 60x60/40W.RF**  
 Power: 40W  
 Voltage: 110/220 V - 50/60 Hz  
 Luminous flux: 4000 lm  
 Color temperature: 3000 K ÷ 6500 K  
 Color rendering index Ra: 80  
 Lifetime: 25 000 hours  
 Dimension (DxRxH): (600 x 600 x 10) mm

**40w**


LED PANEL

**Model:**

**D P07 30x120/40W.RF**  
 Power: 40W  
 Voltage: 110/220 V - 50/60 Hz  
 Luminous flux: 4000 lm  
 Color temperature: 3000 K ÷ 6500 K  
 Color rendering index Ra: 80  
 Lifetime: 25 000 hours  
 Dimension (DxRxH): (300 x 1200 x 10) mm



LED TRACKLIGHT

Power:	12W	20W	25W
Voltage:	110/220 V - 50/60 Hz	110/220 V - 50/60 Hz	110/220 V - 50/60 Hz
Luminous flux:	1000 lm	1800 lm	2200 lm
Color temperature:	3000 K ÷ 6500 K	3000 K ÷ 6500 K	3000K ÷ 6500K
Color rendering index Ra:	80	80	80
Lifetime:	25 000 hours	25 000 hours	25 000 hours

**7w**


LED DOWNLIGHT 7W

**Model:**

**D AT16L 90/7W.RF**  
 Power: 7W  
 Voltage: 110/220 V - 50/60 Hz  
 Luminous flux: 560 lm  
 Color temperature: 3000 K ÷ 6500 K  
 Color rendering index Ra: 80  
 Lifetime: 30 000 hours  
 Dimension (ØxH): (110 x 40) mm  
 Cut hole: 90 mm

**9w**


LED DOWNLIGHT 9W

**Model:**

**D AT16L 110/9W.RF**  
 Power: 9W  
 Voltage: 110/220 V - 50/60 Hz  
 Luminous flux: 720 lm  
 Color temperature: 3000 K ÷ 6500 K  
 Color rendering index Ra: 80  
 Lifetime: 30000 hours  
 Dimension (ØxH): (130 x 40) mm  
 Cut hole: 110 mm



Power : 6W  
 Voltage: 110/220 V - 50/60 Hz  
 Luminous flux: 420 lm  
 Color temperature: 3000 K ÷ 6500 K  
 Color rendering Index Ra: 80  
 Lifetime: 20 000 hours  
 Dimension (ØxH): (115 x 26) mm  
 Cut hole: 90 mm



Power: 9W  
 Voltage: 110/220 V - 50/60 Hz  
 Luminous flux: 850 lm  
 Color temperature: 3000 K ÷ 6500 K  
 Color rendering index Ra: 80  
 Lifetime: 20 000 hours  
 Cut hole: 90 mm



Power: 9W  
 Voltage: 110/220 V - 50/60 Hz  
 Luminous flux: 640 lm  
 Color temperature: 3000 K ÷ 6500 K  
 Color rendering index Ra: 80  
 Lifetime: 20 000 hours  
 Dimension (ØxH): (134 x 26) mm  
 Cut hole: 110 mm



Power: 9W  
 Voltage: 110/220 V - 50/60 Hz  
 Luminous flux: 670 lm  
 Color temperature: 3000 K ÷ 6500 K  
 Color rendering index Ra: 80  
 Lifetime: 20 000 hours  
 Dimension (ØxH): (158 x 26) mm  
 Cut hole: 135 mm



Power: 12W  
 Voltage: 110/220 V - 50/60 Hz  
 Luminous flux: 1050 lm  
 Color temperature: 3000 K ÷ 6500 K  
 Color rendering index Ra: 80  
 Lifetime: 20 000 hours  
 Cut hole: 110 mm



**Model:** D LN19L 490/40W.RF  
**Power:** 40W  
**Voltage:** 110/220 V - 50/60 Hz  
**Luminous flux:** 2800 lm  
**Color temperature:** 3000 K ÷ 6500 K  
**Color rendering index Ra:** 80  
**Lifetime:** 25 000 hours  
**Dimension (ØxH):** (490 x 80) mm



**Model:** D LN21L 500/40W.RF  
**Power:** 40W  
**Voltage:** 110/220 V - 50/60 Hz  
**Luminous flux:** 2800 lm  
**Color temperature:** 3000 K ÷ 6500 K  
**Color rendering index Ra:** 80  
**Lifetime:** 25 000 hours  
**Dimension (ØxH):** (500 x 120) mm



**Model:** D LN22L 500/40W.RF  
**Power:** 40W  
**Voltage:** 110/220 V - 50/60 Hz  
**Luminous flux:** 2800 lm  
**Color temperature:** 3000 K ÷ 6500 K  
**Color rendering index Ra:** 80  
**Lifetime:** 25 000 hours  
**Dimension (ØxH):** (500 x 120) mm



**Model:** D LN20L 500/40W.RF  
**Power:** 40W  
**Voltage:** 110/220 V - 50/60 Hz  
**Luminous flux:** 2800 lm  
**Color temperature:** 3000 K ÷ 6500 K  
**Color rendering index Ra:** 80  
**Lifetime:** 25 000 hours  
**Dimension (ØxH):** (500 x 100) mm



**Power:** 5W  
**Voltage:** 110/220 V - 50/60 Hz  
**Color temperature:** 3000 K ÷ 6500 K  
**Color rendering index Ra:** 80  
**Lifetime:** 20 000 hours








 :available

## CUSTOMER'S TESTIMONIALS

The one thing I like most about smart lighting system is that it features the timer option. The lights will turn on automatically and gradually in the morning. In such way, our kids can wake up feeling comfortable without any alarm clocks.

Moreover, the only change to make is just replacing the switch.



**Ms Oanh**  
HUD Linh Dam apartment building



I am amazed that I can monitor entire electrical system in such a safe way. Like when I was away, I can still check whether the power system has been turned off or not by using my smartphone.

Also, I can control the lights however I want, either change the light to white mode that brightens up the room and creates an elegant ambience or dim the light to 50% of brightness for more comfort when watching TV.



**Ms Huong**  
Bach Mai street Hanoi



In recent days, the phrases "Green growth", "Sustainable development" have been mentioned over and over again in terms of economic development. In the field of lighting system, the users expect more in the products purchased. It can be color-tunable or simulate the sunlight based on real time. That's what modern users need.



**Mr. Tuan**  
Director of Vietnam Productivity Institute







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