

# Panasonic

# Panasonic

## Panasonic Corporation

Eco Solutions Company

Lighting Equipment Business Unit, Lighting Business Division

■ Head Office: 1048, Kadoma, Kadoma-shi, Osaka 571-8686, Japan

■ Telephone: +81-6-6908-1131

總代理 Sole Agent



### 信興電工工程有限公司 SHUN HING ELECTRIC WORKS AND ENGINEERING CO., LTD.

辦公室 Office 香港九龍尖沙咀東部加連威老道98號東海商業中心6樓601室  
Room 601, East Ocean Centre, 6/F, 98 Granville Road, Tsimshatsui East, Kowloon, Hong Kong

電話 Tel (852) 2861 2767

傳真 Fax (852) 2865 6706

網址 Website www.shew.com.hk

電郵 E-mail shew@shunhinggroup.com



保養及維修 Maintenance and Repair Service

### 信興電器服務中心有限公司 SHUN HING ELECTRIC SERVICE CENTRE LTD.

辦公室 Office 香港新界葵涌葵興街8號信興中心19樓  
19th Floor, Shun Hing Centre, 8 Shing Yiu Street, Kwai Chung, New Territories, Hong Kong

電話 Tel (852) 2406 5666

傳真 Fax (852) 2408 0316

網址 Website www.shunhing-service.com

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CAT-PLC1407



The Science of Beautiful LED Illumination.

© TOKYO-SKYTREE \*The tower is a CG illustration.

## Product Catalog



# Taking lighting to new heights.

→ The TOKYO SKYTREE<sup>SM</sup> is the world's tallest free-standing broadcasting tower as of March, 2013.

Panasonic **LED**

Operating body: Tobu Railway Co., Ltd. • TOBU TOWER SKYTREE Co., Ltd.  
Design and supervision: Nikken Sekkei Ltd.  
Lighting consultant: Sirius Lighting Office Inc  
(Design and simulation)  
Construction work: OBAYASHI CORPORATION  
Lighting equipment work: Denki Kogyo Co., Ltd.



Panasonic is the lighting partner for TOKYO SKYTREE<sup>SM</sup>.



# Unsurpassed Reliability, Lighting the Way to Comfort.

Reliable lighting is the cornerstone of any home or business. It brightens our living rooms and showrooms, it highlights the food we eat and the products we buy, and makes us feel comfortable in our surroundings — at home or out on the town.

Panasonic has nearly a century of experience in the research and development of life-enhancing lighting solutions, advancing not only the perceived quality of light and shadows but also the reliability of the lighting fixtures themselves.

The Panasonic LED is at the forefront of this development. It encompasses the overall Panasonic approach to impeccable quality assurance, and it has already made great strides in demonstrating the importance of stylish, carefully-crafted lighting in our daily lives.

The future of reliable lighting is here; developed by Panasonic and ready to light the way to a comfortable future.

## Panasonic LED



Panasonic Corporation, Founder

### Konosuke Matsushita 1894-1989

In 1918, Konosuke Matsushita founded Matsushita Electric Houseware Manufacturing Works. The improved attachment plug and two-way socket he developed with strenuous efforts were highly praised and formed the foundation for establishing Matsushita Electric Industrial Co., Ltd. The company expanded and developed into a lamp, iron, and radio enterprise. For the first time in Japan, in 1933 he introduced a management system in each product division that provided for independent management responsibility from development to production, sales and settlement of accounts. In 1952, he founded Matsushita Electronics Corp. and raised the quality standard for electrical products throughout the world. One after the other, he flooded the world with new household electrical products and started an "electrification boom."

#### Basic Management Objective

Recognizing our responsibilities as industrialists, we will devote ourselves to the progress and development of society and the well-being of people through our business activities, thereby enhancing the quality of life throughout the world.

#### Company Creed

Progress and development can be realized only through the combined efforts and cooperation of each employee of our company. United in spirit, we pledge to perform our corporate duties with dedication, diligence and integrity.

## Highlighting a Century Dedicated to Making a Better Light.

**1918** Panasonic Corporation founder Konosuke Matsushita establishes Matsushita Electric Houseware Manufacturing Works

The company's first hit product is an attachment plug that can spin without tangling the cord.



**1952** Panasonic Corporation starts production of home-use, pull-cord fluorescent lamp



**1957** Sale of circular fluorescent lamp



**1958** Development of rapid-start fluorescent ballast for specialized lamps (FLR)

**1959** Introduction of halogen bulb

**1963** Development of pendant lighting with a ceiling mount bracket

**1975** Sale of fluorescent chandelier series

**1978** Announcement of fluorescent **Pa-Look**, a lamp delivering unchanged brightness in a more pleasing color

**1982** Sale of electrical ballast fluorescent lighting fixture



**1984** Sale of compact fluorescent series

**1986** Sale of compact fluorescent (Twin-2 fluorescent) lighting fixture



**1990** Development of world's first filament-free, electrodeless lamp

**1991** Sale of high-efficiency, low-energy (Hf) fluorescent lighting fixture and system

**1992** Sale of high-efficiency electrical ballast (Hf) lighting fixture



**1993** Sale of **Pa-Look Ball**, bulb-style fluorescent lamp series

**1996** Introduction of **Twin-Pa** double circular fluorescent lighting fixture; white LED commercially utilized



**1998** Sale of motion-detecting, auto on/off infrared sensor **Free-Pa**, featuring compact and sensitive **NaPiOn** sensor



**2001** Sale of linear dimming **Twin-Pa**



**2007** Introduction of thin, compact, long-life spiral **Pa-Look**

**2011** Introduction of LED ceiling light

**2012** Debut of Panasonic LEDs on the TOKYO SKYTREE<sup>SM</sup>, the world's tallest free-standing broadcasting tower at 634m



© TOKYO-SKYTREE  
\*The tower is a CG illustration.

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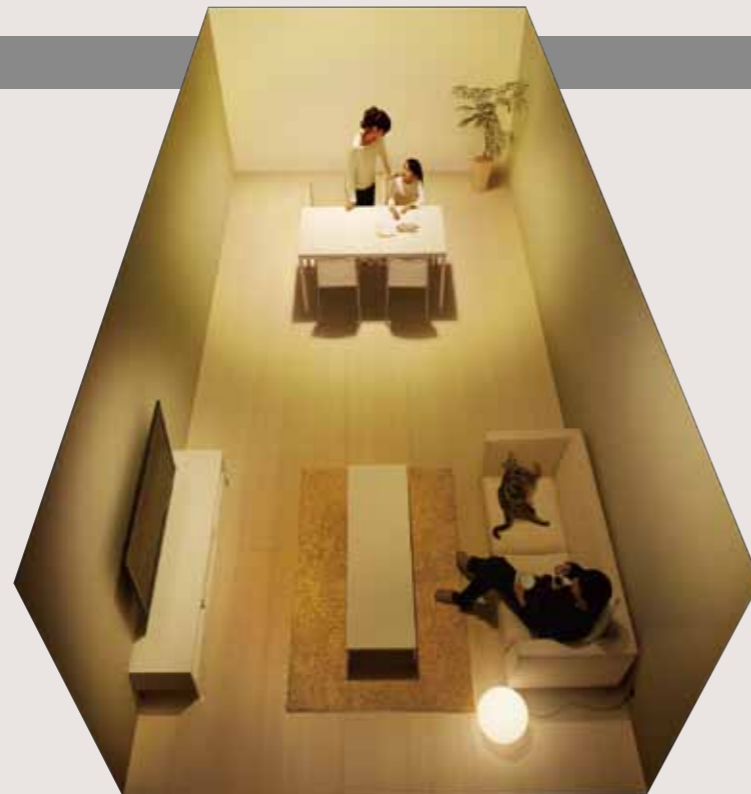
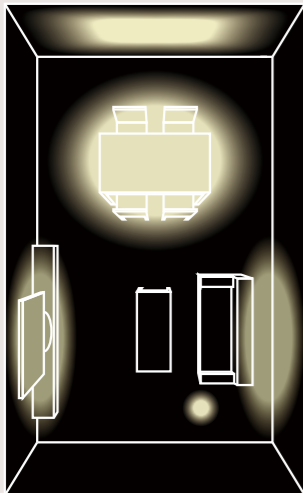
# SYMPHONY LIGHTING

The Science of Beautiful LED Illumination

## Maximize Your Enjoyment of Family Time by Employing the Science of Illumination

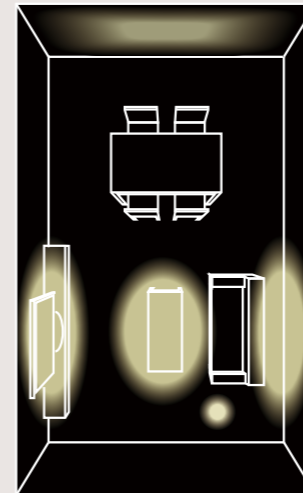
### Illuminate Any Activity

Whether relaxing or working, Symphony Lighting customizes lighting to the task at hand.



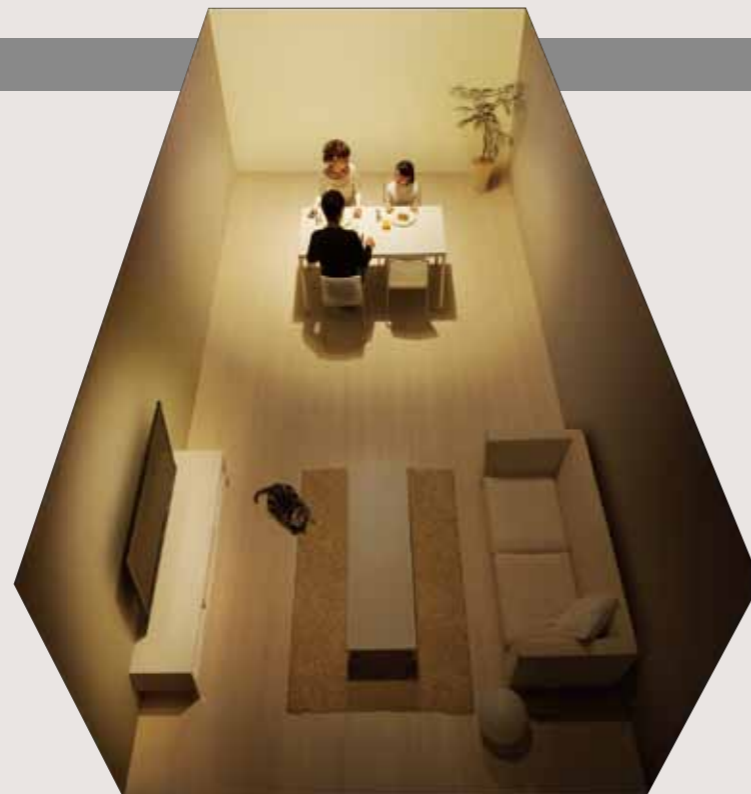
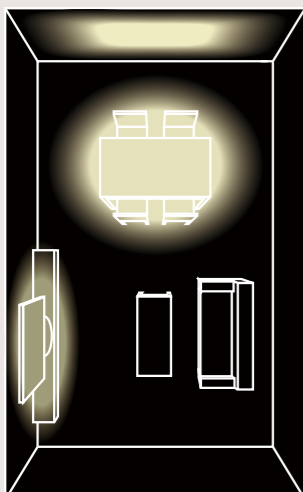
### Brighten Up Family Time

Enjoy a living room full of comfort, accented with just the right amount of light.



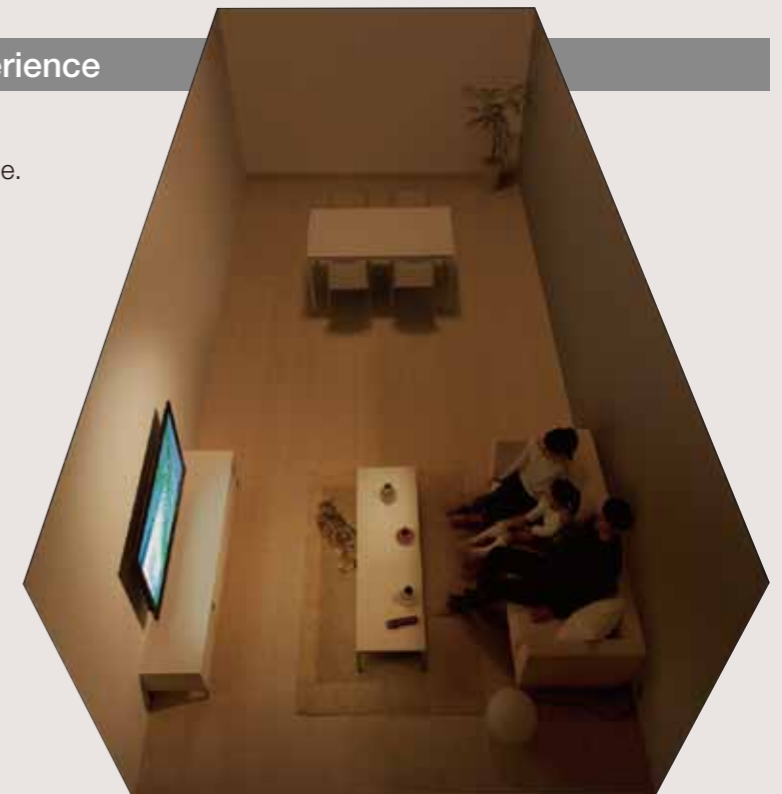
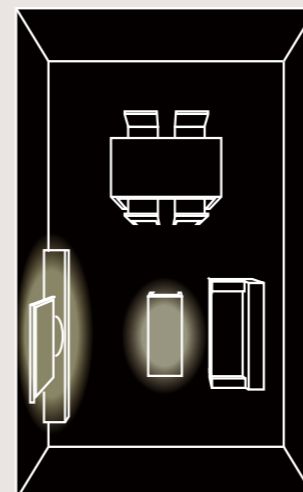
### Highlight an Enjoyable Meal

Entertain your guests and family members in a well-lit and charming dining room.



### Perfect Your Home Theater Experience

Illuminate the space behind your TV to optimize viewing conditions for less eye fatigue.





# Panasonic LED

**LED Technological Advancements**  
How does Panasonic develop its lights?

**One Core LED**  
Is there any way to deal with light glare and unnatural shadows?

**Surge and Blackout Resistance**  
Will power surges damage my lighting fixtures?

**Long Life LED Modules**  
How long will my light last?

**Reliable Performance Reporting**  
How can I develop the most efficient lighting plan for my home?

**Optimized Heat Dissipation**  
Do LEDs generate a lot of heat?

**Advantages of Minimizing Noise**  
Is there any way to minimize light flickering?

**Avoid Attracting Insects**  
How can I prevent bugs from accumulating in my lighting fixture?



## LED Technological Advancements

We start the R&D process for lighting by first examining how our customers use it in their daily lives. This information helps us improve product performance and enhance functionality. And of course, both positive and negative feedback from customers are always fed back into development to enhance existing and new models.

## One Core LED

You may have noticed that when you turn on your conventional LED lights that they cause excessive glare or unnatural shadows. The One Core LED is a great way to prevent these issues from occurring because its design uses an integrated single-package LED to deliver natural, clearly-defined light and shadows.

## Surge and Blackout Resistance

Sometimes, such as during a lightning storm, surges can cause irreparable damage to lighting fixtures. Panasonic's LED lighting adheres to IEC standards for surge resistance, making our fixtures ideal for areas where power supply is unstable or surges occur frequently.

## Long Life LED Modules

One of the major benefits in choosing Panasonic LED lighting is the long life of our LED modules. Years of experience in quality assurance and product testing have resulted in a long-life light source that lasts up to 40,000 hours, a point at which the source maintains 70% of its original brightness.

## Optimized Heat Dissipation

A critical feature in Panasonic LED lighting is our heat dissipating design. This design draws heat away from the LED module towards the base of the fixture, where the heat then dissipates out from the body. By optimizing this process, the module side of the fixture remains cool, resulting in minimal wear on the light source itself and more efficient lighting performance.

## Reliable Performance Reporting

Developing the best lighting plan for your home starts by knowing exactly how much light each of your lighting fixtures will produce, no matter where you position them. Panasonic adheres to the Japan Luminares Association efficacy reporting standard to give you a clear understanding of our fixture performance, taking into account not only LED module efficacy but also fixture specifications.

## Advantages of Minimizing Noise

Panasonic puts tremendous emphasis on internal quality controls to minimize electromagnetic interference both emitted and received by our lighting fixtures. This means that our products are less susceptible to interference caused by other electronics.

## Avoid Attracting Insects

Light from Panasonic LED lighting is emitted at a wavelength that attracts far fewer bugs than conventional fluorescent light. This is especially important in not only minimizing the number of unsightly insects that collect inside a fixture cover, but also reducing the necessity of frequent cleaning.



# LED Large Ceiling Lights

Enjoy Flawless Lighting Performance

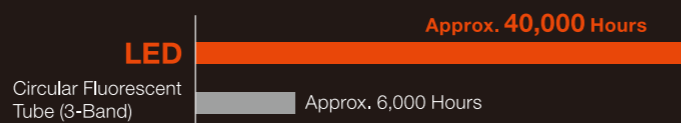


## Life of Light Source

Approx. **40,000**<sup>\*1</sup> Hours

Panasonic ceiling lights simplify maintenance by eliminating the need to replace burnt out light bulbs.<sup>\*2</sup> They reduce lighting waste and demonstrate incredible energy savings.

## Light Source Comparison

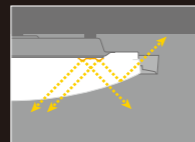


<sup>\*1</sup> Lamp lumen maintenance factor: 70% of original brightness.  
<sup>\*2</sup> Repairs are required if the product is damaged.

## Controlled, Beautiful Light Made Possible with Panasonic Lens Technology.



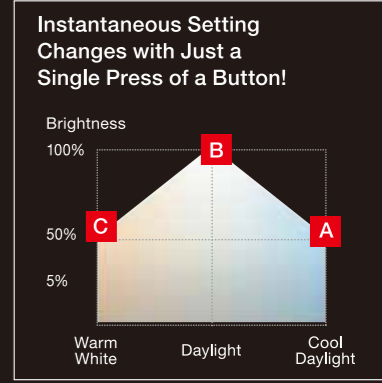
The light-emitting surface is evenly bright, unlike conventional lamps which are dark in the center.



Ceiling lights illuminate the ceiling around the fixture, brightening the entire room.

## Color Tuning and Dimming via a Convenient Remote.

- Color Tuning Button**  
Change the light color back and forth from Cool Daylight to Warm White and anywhere in between.
- Timer Button**  
The Timer Button enables automatic light control. Conveniently decrease security risks when you are not home for a while.
- [Bright] [Dim] Button**  
The brightness can be gradually adjusted from 100% to approximately 5%.
- Sleep Button**  
Set the light to turn off in 30min or 60min.
- Off Button (LED/Night Light Off)**
- Scene Change Button**  
Select the light scene that best matches your daily preference.
- Night Light Button (Glow-in-the-Dark)**  
Turn on the Night Light.
- Flashlight Button (Glow-in-the-Dark)**  
Turn on the LED Flashlight (orange light).
- Clock Set/ Clock Buttons**  
Set the time to adjust the start and stop time of the timer.
- Channel Button**  
This convenient feature enables control of up to 3 lights with a single remote.



**Vertical or Horizontal Placement**  
Set down the remote wherever it is most convenient; it remains fully operational whether it is set on its side or standing up.



**Built-In Flashlight**  
Keep the remote by your bedside and use it as a flashlight to find your way around in the dark.

## Color Tuning

Freely adjust the light color from Cool Daylight to Warm White.



- A Cool Setting (Cool Daylight)**  
The Cool Setting is a cool-colored light perfect for summer days and mornings.
- B Max Setting (Daylight)**  
Turn on all the lights for a bright and natural light color.
- C Warm Setting (Warm White)**  
The Warm Setting is a warm-colored light perfect for winter days and afternoons.

## Dimming

Brightness can be gradually adjusted in line with your current activities or preferences.



- 100%**
- 50%**
- 5%**





**HH-LAZ501213** (AC220-240V, 50/60Hz)

- Power Consumption 66W, Input Current 0.3A
- Built-In LED / Built-In Power Supply Unit
- □700mm / Height 220mm / Weight 10.0kg
- Acrylic Cover (Milky White)
- Silver Frame with Cut Glass Decoration
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Wall Switch Control (Max-Normal-Night Light)
- Remote Control Adjustments: Dimming <100% - 5%>, Color Tunable <Cool Daylight - Warm White>
- Power Consumption Rate: 71.2lm/W (4700lm/66W)

Includes Remote Controller



Cool Daylight 6500K / Ra85

Warm White 3000K / Ra85



HH-LB1030288



**HH-LAZ500813** (AC220-240V, 50/60Hz)

- Power Consumption 66W, Input Current 0.3A
- Built-In LED / Built-In Power Supply Unit
- ø766mm / Height 160mm / Weight 5.2kg
- Acrylic Cover (Milky White)
- Silver Frame with Glass Color Decoration
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Wall Switch Control (Max-Normal-Night Light)
- Remote Control Adjustments: Dimming <100% - 5%>, Color Tunable <Cool Daylight - Warm White>
- Power Consumption Rate: 71.2lm/W (4700lm/66W)

Includes Remote Controller



Cool Daylight 6500K / Ra85

Warm White 3000K / Ra85



HH-LA152913



HH-LA153113



HH-LB1030188

**HH-LAZ500913** (AC220-240V, 50/60Hz)

- Power Consumption 66W, Input Current 0.3A
- Built-In LED / Built-In Power Supply Unit
- ø766mm / Height 160mm / Weight 5.2kg
- Acrylic Cover (Milky White)
- Dark Brown Frame with Glass Color Decoration
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Wall Switch Control (Max-Normal-Night Light)
- Remote Control Adjustments: Dimming <100% - 5%>, Color Tunable <Cool Daylight - Warm White>
- Power Consumption Rate: 71.2lm/W (4700lm/66W)

Includes Remote Controller



Cool Daylight 6500K / Ra85

Warm White 3000K / Ra85

# LED Ceiling Lights



## Large Ceiling Lights

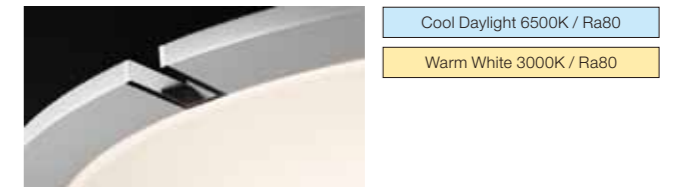


Cool Daylight 6500K / Ra80

Warm White 3000K / Ra80

### HH-LAZ300413 (AC220-240V)

- Power Consumption 47.2W Input Current 0.22A
- Built-In LED / Built-In Power Supply Unit
- ø800mm / Height 159mm / Weight 5.0kg
- Acrylic Cover (Milky White)
- Smoke Frame with Chrome Garnish
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Wall Switch Changer (Max-Normal-Night Light)
- Remote Control Adjustments: Dimming <100% - 5%>, Color Tuning <Cool Daylight - Warm White> / Includes Specialized Remote Control Transmitter
- Dust-, Bug-Free Construction
- Intrinsic Power Consumption Rate: 74.2lm/W (3500lm/47.2W)



Cool Daylight 6500K / Ra80

Warm White 3000K / Ra80

### HH-LAZ300613 (AC220-240V)

- Power Consumption 47.2W Input Current 0.22A
- Built-In LED / Built-In Power Supply Unit
- ø800mm / Height 159mm / Weight 5.0kg
- Acrylic Cover (Milky White)
- Silver Frame with Chrome Garnish
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Wall Switch Changer (Max-Normal-Night Light)
- Remote Control Adjustments: Dimming <100% - 5%>, Color Tuning <Cool Daylight - Warm White> / Includes Specialized Remote Control Transmitter
- Dust-, Bug-Free Construction
- Intrinsic Power Consumption Rate: 74.2lm/W (3500lm/47.2W)

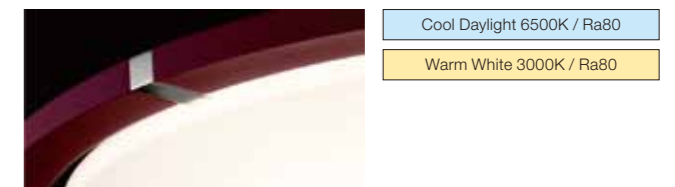


Cool Daylight 6500K / Ra80

Warm White 3000K / Ra80

### HH-LAZ300513 (AC220-240V)

- Power Consumption 47.2W Input Current 0.22A
- Built-In LED / Built-In Power Supply Unit
- ø800mm / Height 159mm / Weight 5.0kg
- Acrylic Cover (Milky White)
- White Frame with Chrome Garnish
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Wall Switch Changer (Max-Normal-Night Light)
- Remote Control Adjustments: Dimming <100% - 5%>, Color Tuning <Cool Daylight - Warm White> / Includes Specialized Remote Control Transmitter
- Dust-, Bug-Free Construction
- Intrinsic Power Consumption Rate: 74.2lm/W (3500lm/47.2W)



Cool Daylight 6500K / Ra80

Warm White 3000K / Ra80

### HH-LAZ300713 (AC220-240V)

- Power Consumption 47.2W Input Current 0.22A
- Built-In LED / Built-In Power Supply Unit
- ø800mm / Height 159mm / Weight 5.0kg
- Acrylic Cover (Milky White)
- Wine Red Frame with Chrome Garnish
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Wall Switch Changer (Max-Normal-Night Light)
- Remote Control Adjustments: Dimming <100% - 5%>, Color Tuning <Cool Daylight - Warm White> / Includes Specialized Remote Control Transmitter
- Dust-, Bug-Free Construction
- Intrinsic Power Consumption Rate: 74.2lm/W (3500lm/47.2W)



## LED Large Ceiling Lights



Includes Remote Controller

**HH-LAZ301513** (AC220-240V, 50/60Hz)

- Power Consumption 46W, Input Current 0.22A
- Built-In LED / Built-In Power Supply Unit
- ø580mm / Height 123mm / Weight 3.2kg
- Acrylic Cover (Milky White)
- Silver Ring with Clear Decoration
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Wall Switch Control (Max-Normal)
- Remote Control Adjustments: Dimming <100% - 5%>, Color Tunable <Cool Daylight - Warm White>
- Power Consumption Rate: 76.1lm/W (3500lm/46W)

Cool Daylight 6500K / Ra85

Warm White 3000K / Ra85



Includes Remote Controller

**HH-LAZ301613** (AC220-240V, 50/60Hz)

- Power Consumption 46W, Input Current 0.22A
- Built-In LED / Built-In Power Supply Unit
- ø580mm / Height 123mm / Weight 3.2kg
- Acrylic Cover (Milky White)
- Silver Ring with Clear Blue Decoration
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Wall Switch Control (Max-Normal)
- Remote Control Adjustments: Dimming <100% - 5%>, Color Tunable <Cool Daylight - Warm White>
- Power Consumption Rate: 76.1lm/W (3500lm/46W)

Cool Daylight 6500K / Ra85

Warm White 3000K / Ra85



Includes Remote Controller

**HH-LAZ301713** (AC220-240V, 50/60Hz)

- Power Consumption 46W, Input Current 0.22A
- Built-In LED / Built-In Power Supply Unit
- ø640mm / Height 123mm / Weight 3.2kg
- Acrylic Cover (Milky White)
- Clear Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Wall Switch Control (Max-Normal)
- Remote Control Adjustments: Dimming <100% - 5%>, Color Tunable <Cool Daylight - Warm White>
- Power Consumption Rate: 76.1lm/W (3500lm/46W)

Cool Daylight 6500K / Ra85

Warm White 3000K / Ra85



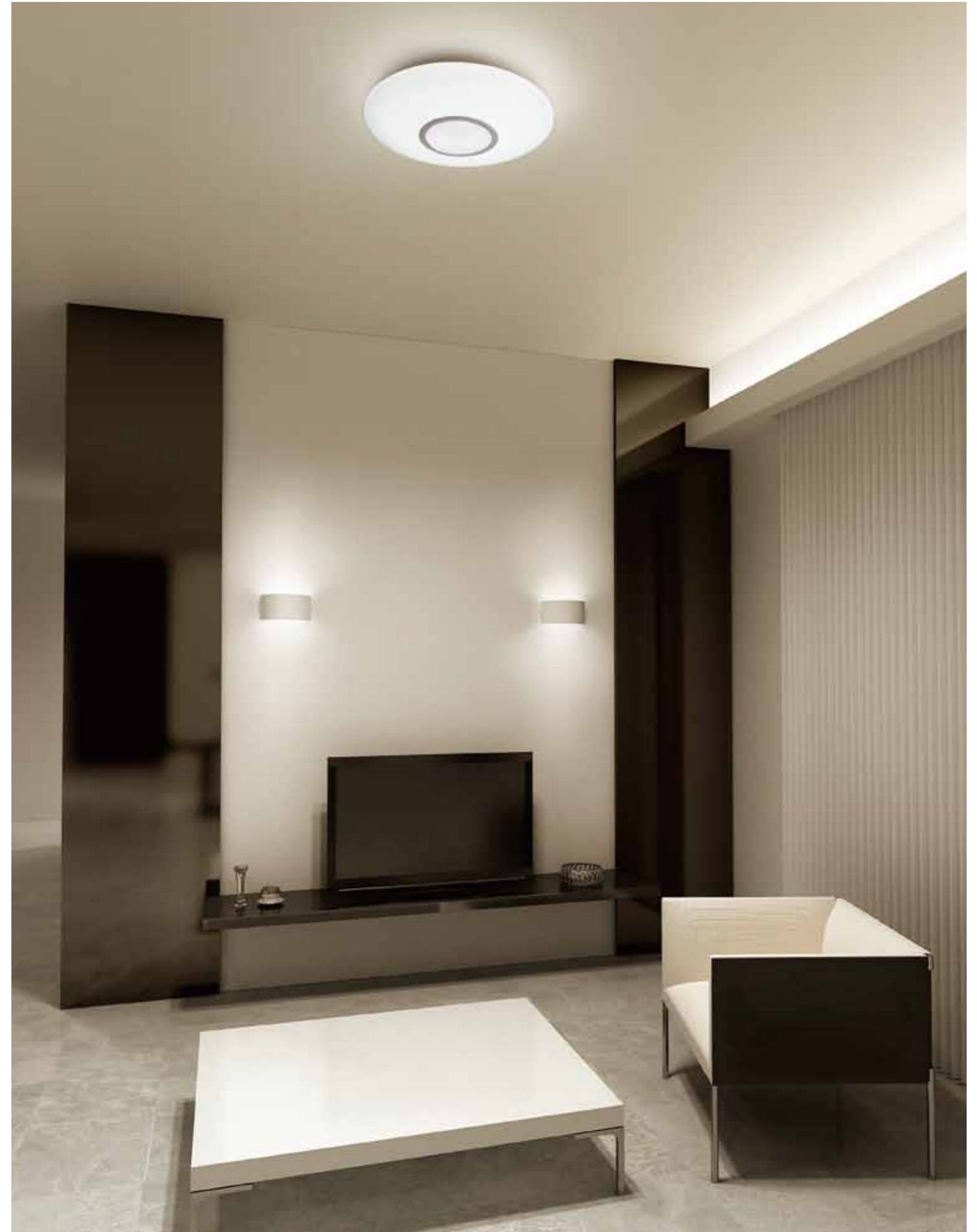
Includes Remote Controller

**HH-LAZ301813** (AC220-240V, 50/60Hz)

- Power Consumption 46W, Input Current 0.22A
- Built-In LED / Built-In Power Supply Unit
- ø640mm / Height 123mm / Weight 3.2kg
- Acrylic Cover (Milky White)
- Brown Smoke Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Wall Switch Control (Max-Normal)
- Remote Control Adjustments: Dimming <100% - 5%>, Color Tunable <Cool Daylight - Warm White>
- Power Consumption Rate: 76.1lm/W (3500lm/46W)

Cool Daylight 6500K / Ra85

Warm White 3000K / Ra85



# LED Small Ceiling Lights



**HH-LA150713** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø420mm / Height 96mm / Weight 0.95kg
- Acrylic Cover (Milky White)
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 72.6lm/W (1380lm/19W)

Warm White 2700K / Ra85



**HH-LA150913** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø420mm / Height 96mm / Weight 0.95kg
- Acrylic Cover (Milky White)
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 84.2lm/W (1600lm/19W)

Cool Daylight 6500K / Ra85



**HH-LA152313** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø500mm / Height 96mm / Weight 1.25kg
- Acrylic Cover (Milky White)
- Smoke Frame Chrome Garnish
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 72.6lm/W (1380lm/19W)

Warm White 2700K / Ra85



**HH-LA152513** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø500mm / Height 96mm / Weight 1.25kg
- Acrylic Cover (Milky White)
- Smoke Frame Chrome Garnish
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 84.2lm/W (1600lm/19W)

Cool Daylight 6500K / Ra85



**HH-LA151013** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø426mm / Height 96mm / Weight 1.05kg
- Acrylic Cover (Milky White)
- Chrome trim
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 72.6lm/W (1380lm/19W)

Warm White 2700K / Ra85



**HH-LA151213** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø426mm / Height 96mm / Weight 1.05kg
- Acrylic Cover (Milky White)
- Chrome trim
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 84.2lm/W (1600lm/19W)

Cool Daylight 6500K / Ra85



**HH-LA152613** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø500mm / Height 96mm / Weight 1.25kg
- Acrylic Cover (Milky White)
- Silver Frame Chrome Garnish
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 72.6lm/W (1380lm/19W)

Warm White 2700K / Ra85



**HH-LA152813** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø500mm / Height 96mm / Weight 1.25kg
- Acrylic Cover (Milky White)
- Silver Frame Chrome Garnish
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 84.2lm/W (1600lm/19W)

Cool Daylight 6500K / Ra85



**HH-LA151313** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø426mm / Height 96mm / Weight 1.05kg
- Acrylic Cover (Milky White)
- Gold trim
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 72.6lm/W (1380lm/19W)

Warm White 2700K / Ra85



**HH-LA151513** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø426mm / Height 96mm / Weight 1.05kg
- Acrylic Cover (Milky White)
- Gold trim
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 84.2lm/W (1600lm/19W)

Cool Daylight 6500K / Ra85



**HH-LA152913** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø470mm / Height 96mm / Weight 1.35kg
- Acrylic Cover (Milky White)
- Silver Frame with Glass Color Decoration
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 72.6lm/W (1380lm/19W)

Warm White 2700K / Ra85



**HH-LA153113** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø470mm / Height 96mm / Weight 1.35kg
- Acrylic Cover (Milky White)
- Silver Frame with Glass Color Decoration
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 84.2lm/W (1600lm/19W)

Cool Daylight 6500K / Ra85





**HH-LA100713** (AC220-240V) Cool Daylight 6500K / Ra80

- Power Consumption: 15W Input Current: 0.15A
- Built-In LED/Built-In Power Supply Unit
- ø434mm / Height 80mm / Weight 0.75kg
- Acrylic Cover (Milky White)
- Clear Blue Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 100W Incandescent Lamp / 25W CFL
- Intrinsic Power Consumption Rate: 56.6lm/W (850lm/15W)



**HH-LA101013** (AC220-240V) Cool Daylight 6500K / Ra80

- Power Consumption: 15W Input Current: 0.15A
- Built-In LED/Built-In Power Supply Unit
- Width 416mm / Height 80mm / Weight 0.75kg
- Acrylic Cover (Milky White)
- Light Blue Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 100W Incandescent Lamp / 25W CFL
- Intrinsic Power Consumption Rate: 56.6lm/W (850lm/15W)



**HH-LA101113** (AC220-240V) Cool Daylight 6500K / Ra80

- Power Consumption: 15W Input Current: 0.15A
- Built-In LED/Built-In Power Supply Unit
- Width 416mm / Height 80mm / Weight 0.75kg
- Acrylic Cover (Milky White)
- Pink Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 100W Incandescent Lamp / 25W CFL
- Intrinsic Power Consumption Rate: 56.6lm/W (850lm/15W)



**HH-LA101213** (AC220-240V) Cool Daylight 6500K / Ra80

- Power Consumption: 15W Input Current: 0.15A
- Built-In LED/Built-In Power Supply Unit
- Width 416mm / Height 80mm / Weight 0.75kg
- Acrylic Cover (Milky White)
- Yellow Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 100W Incandescent Lamp / 25W CFL
- Intrinsic Power Consumption Rate: 56.6lm/W (850lm/15W)



**HH-LA100113** (AC220-240V) Cool Daylight 6500K / Ra80

- Power Consumption: 15W Input Current: 0.15A
- Built-In LED/Built-In Power Supply Unit
- ø350mm / Height 80mm / Weight 0.75kg
- Acrylic Cover (Milky White)
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 100W Incandescent Lamp / 25W CFL
- Intrinsic Power Consumption Rate: 66.7lm/W (1000lm/15W)



**HH-LA100213** (AC220-240V) Cool Daylight 6500K / Ra80

- Power Consumption: 15W Input Current: 0.15A
- Built-In LED/Built-In Power Supply Unit
- ø357mm / Height 80mm / Weight 0.75kg
- Acrylic Cover (Milky White)
- Chrome Trim
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 100W Incandescent Lamp / 25W CFL
- Intrinsic Power Consumption Rate: 66.7lm/W (1000lm/15W)



**HH-LA100313** (AC220-240V) Cool Daylight 6500K / Ra80

- Power Consumption: 15W Input Current: 0.15A
- Built-In LED/Built-In Power Supply Unit
- ø357mm / Height 80mm / Weight 0.75kg
- Acrylic Cover (Milky White)
- Gold Trim
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 100W Incandescent Lamp / 25W CFL
- Intrinsic Power Consumption Rate: 66.7lm/W (1000lm/15W)



**HH-LA100413** (AC220-240V) Warm White 2700K / Ra80

- Power Consumption: 15W Input Current: 0.15A
- Built-In LED/Built-In Power Supply Unit
- ø350mm / Height 80mm / Weight 0.75kg
- Acrylic Cover (Milky White)
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 100W Incandescent Lamp / 25W CFL
- Intrinsic Power Consumption Rate: 56.6lm/W (850lm/15W)



**HH-LA100513** (AC220-240V) Warm White 2700K / Ra80

- Power Consumption: 15W Input Current: 0.15A
- Built-In LED/Built-In Power Supply Unit
- ø357mm / Height 80mm / Weight 0.75kg
- Acrylic Cover (Milky White)
- Chrome Trim
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 100W Incandescent Lamp / 25W CFL
- Intrinsic Power Consumption Rate: 56.6lm/W (850lm/15W)



**HH-LA100613** (AC220-240V) Warm White 2700K / Ra80

- Power Consumption: 15W Input Current: 0.15A
- Built-In LED/Built-In Power Supply Unit
- ø357mm / Height 80mm / Weight 0.75kg
- Acrylic Cover (Milky White)
- Gold Trim
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 100W Incandescent Lamp / 25W CFL
- Intrinsic Power Consumption Rate: 56.6lm/W (850lm/15W)

## LED Small Ceiling Lights



**HH-LA153813** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø400mm / Height 85mm / Weight 0.95kg
- Acrylic Cover (Milky White)
- Center Decoration (Blue)
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 72.6lm/W (1380lm/19W)

Warm White 2700K / Ra85



**HH-LA154013** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø400mm / Height 85mm / Weight 0.95kg
- Acrylic Cover (Milky White)
- Center Decoration (Blue)
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 84.2lm/W (1600lm/19W)

Cool Daylight 6500K / Ra85



**HH-LA154113** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø400mm / Height 85mm / Weight 0.95kg
- Acrylic Cover (Milky White)
- Center Decoration (Pink)
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 72.6lm/W (1380lm/19W)

Warm White 2700K / Ra85



**HH-LA154313** (AC220-240V, 50/60Hz)

- Power Consumption 19W, Input Current 0.17A
- Built-In LED/Built-In Power Supply Unit
- ø400mm / Height 85mm / Weight 0.95kg
- Acrylic Cover (Milky White)
- Center Decoration (Pink)
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Power Consumption Rate: 84.2lm/W (1600lm/19W)

Cool Daylight 6500K / Ra85

## LED Waterproof Ceiling Lights IP44 Splash proof type



**HH-LA102588** (AC220-240V, 50/60Hz)

- Power Consumption 14.4W, Input Current 0.15A
- Built-In LED/Built-In Power Supply Unit
- ø265mm / Height 114mm / Weight 1.0kg
- Acrylic Cover (Milky White)
- White frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Power Consumption Rate: 46.0lm/W (664lm/14.4W)

Warm White 2700K / Ra85



**HH-LA102788** (AC220-240V, 50/60Hz)

- Power Consumption 14.4W, Input Current 0.15A
- Built-In LED/Built-In Power Supply Unit
- ø265mm / Height 114mm / Weight 1.0kg
- Acrylic Cover (Milky White)
- White frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Power Consumption Rate: 57.7lm/W (831lm/14.4W)

Cool Daylight 6500K / Ra85



**HH-LA102888** (AC220-240V, 50/60Hz)

- Power Consumption 14.4W, Input Current 0.15A
- Built-In LED/Built-In Power Supply Unit
- ø265mm / Height 114mm / Weight 1.0kg
- Acrylic Cover (Milky White)
- Black frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Power Consumption Rate: 41.3lm/W (595lm/14.4W)

Warm White 2700K / Ra85



**HH-LA103088** (AC220-240V, 50/60Hz)

- Power Consumption 14.4W, Input Current 0.15A
- Built-In LED/Built-In Power Supply Unit
- ø265mm / Height 114mm / Weight 1.0kg
- Acrylic Cover (Milky White)
- Black frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Power Consumption Rate: 51.0lm/W (735lm/14.4W)

Cool Daylight 6500K / Ra85



# LED Chandelings

Make Your Home Sparkle with Crystal Splendor



Change the Light Color with the Press of a Button



**Color Tuning Button**

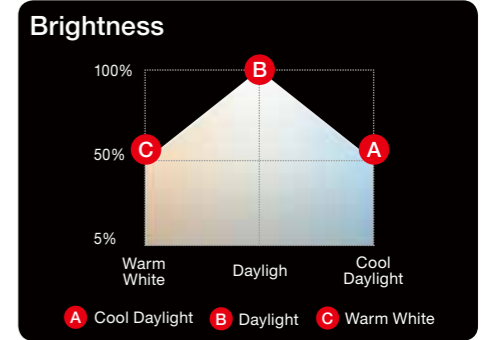
Change the light color from cool to warm and back.

**Scene Change Button**

Quickly change the color and brightness of the room.

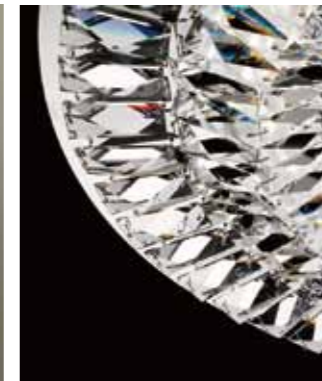
**[Bright] [Dim] Button**

Change the room brightness.



**HH-LAZ300213** (AC220-240V)

- Power Consumption 47.2W Input Current 0.22A
- Built-In LED / Built-In Power Supply Unit
- ø600mm / Height 93mm / Weight 7.0kg
- Chrome Body with Decorative Cut Glass
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Wall Switch Changer (Max-Normal-Night Light)
- Remote Control Adjustments: Dimming <100% - 5%>, Color Tuning <Cool Daylight - Warm White> / Includes Specialized Remote Control Transmitter
- Intrinsic Power Consumption Rate: 74.2lm/W (3500lm/47.2W)



Cool Daylight 6500K / Ra80



Warm White 3000K / Ra80



**HH-LAZ300313** (AC220-240V)

- Power Consumption 47.2W Input Current 0.22A
- Built-In LED / Built-In Power Supply Unit
- ø600mm / Height 200mm / Weight 8.7kg
- Chrome Body with Decorative Cut Glass
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Wall Switch Changer (Max-Normal-Night Light)
- Remote Control Adjustments: Dimming <100% - 5%>, Color Tuning <Cool Daylight - Warm White> / Includes Specialized Remote Control Transmitter
- Intrinsic Power Consumption Rate: 74.2lm/W (3500lm/47.2W)



Cool Daylight 6500K / Ra80



Warm White 3000K / Ra80



## LED Downlights

Experience the Natural-Looking Light and Shadows of One Core LED

### The Benefits of a One Core LED\*1

One Core LED eliminates uneven light and scattered shadows to produce aesthetically pleasing light with natural-looking shadows. \*1 Chip on Board



One Core LED

(The light has been positioned close to the wall to make the shadow easier to see.)



Conventional LED

Life of Light Source

Approx. **40,000**<sup>\*2</sup> Hours

Light Source Comparison

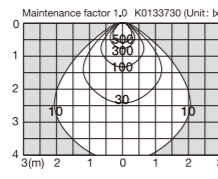


\*2 Lamp lumen maintenance factor: 70% of original brightness.

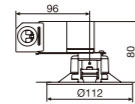


HH-LD2050113 (AC220-240V, 50/60Hz)

- Power Consumption 5.5W, Input Current 0.05A
- Built-In LED / Built-In Power Supply Unit
- Required Diameter 100mm / Required Depth 80mm
- Aluminum frame (press processing) White finish
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 60W Incandescent Lamp / 14W CFL
- Not Compatible with Angled Ceilings
- Minimum Proximity 10cm
- Power Consumption Rate: 66.1lm/W (364lm/5.5W)

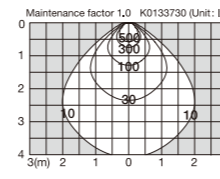


Cool Daylight 6500K / Ra80

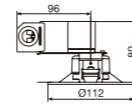


HH-LD4050113 (AC220-240V, 50/60Hz)

- Power Consumption 5.5W, Input Current 0.05A
- Built-In LED / Built-In Power Supply Unit
- Required Diameter 100mm / Required Depth 80mm
- Aluminum frame (press processing) White finish
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 60W Incandescent Lamp / 14W CFL
- Not Compatible with Angled Ceilings
- Minimum Proximity 10cm
- Power Consumption Rate: 62.7lm/W (345lm/5.5W)

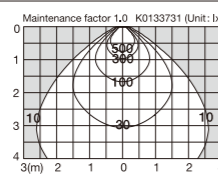


Warm White 2700K / Ra80

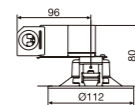


HH-LD2070113 (AC220-240V, 50/60Hz)

- Power Consumption 8.6W, Input Current 0.07A
- Built-In LED / Built-In Power Supply Unit
- Required Diameter 100mm / Required Depth 80mm
- Aluminum frame (press processing) White finish
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Not Compatible with Angled Ceilings
- Minimum Proximity 10cm
- Power Consumption Rate: 68lm/W (585lm/8.4W)

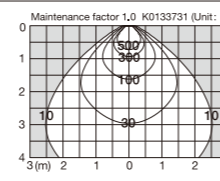


Cool Daylight 6500K / Ra80

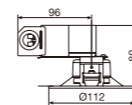


HH-LD4070113 (AC220-240V, 50/60Hz)

- Power Consumption 8.6W, Input Current 0.07A
- Built-In LED / Built-In Power Supply Unit
- Required Diameter 100mm / Required Depth 80mm
- Aluminum frame (press processing) White finish
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 100W Incandescent Lamp / 25W CFL
- Not Compatible with Angled Ceilings
- Minimum Proximity 10cm
- Power Consumption Rate: 64.0lm/W (550lm/8.4W)



Warm White 2700K / Ra80



## LED Dining Pendant Lights



HH-LB1030188 (AC220-240V, 50/60Hz)

- Power Consumption 5.5W, Input Current 0.05A
- Built-In LED / Built-In Power Supply Unit
- ø162mm / Height 176mm / Weight 0.8kg
- Maximum length 1503mm
- Silver finish body (plastic) Glass color panel (acrylics)
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 60W Incandescent Lamp / 14W CFL
- Power Consumption Rate: 47.4lm/W (261lm/5.5W)

Warm White 2700K / Ra80



HH-LB1030288 (AC220-240V, 50/60Hz)

- Power Consumption 5.5W, Input Current 0.05A
- Built-In LED / Built-In Power Supply Unit
- ø120mm / Height 350mm / Weight 1.0kg
- Maximum length 1665mm
- Chrome finish body (plastic) Cut glass decoration
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 60W Incandescent Lamp / 14W CFL
- Power Consumption Rate: 47.4lm/W (261lm/5.5W)

Warm White 2700K / Ra80



HH-LB1030688 (AC220-240V, 50/60Hz)

- Power Consumption 5.5W, Input Current 0.05A
- Built-In LED / Built-In Power Supply Unit
- ø110mm / Height 180mm / Weight 0.8kg
- Maximum length 1500mm
- White body (plastic) Milky glass shade
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 60W Incandescent Lamp / 14W CFL
- Power Consumption Rate: 47.4lm/W (261lm/5.5W)

Warm White 2700K / Ra80



HH-LB1030788 (AC220-240V, 50/60Hz)

- Power Consumption 5.5W, Input Current 0.05A
- Built-In LED / Built-In Power Supply Unit
- ø110mm / Height 180mm / Weight 0.8kg
- Maximum length 1500mm
- Silver finish body (plastic) Milky glass shade
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Equivalent to 60W Incandescent Lamp / 14W CFL
- Power Consumption Rate: 47.4lm/W (261lm/5.5W)

Warm White 2700K / Ra80



# LED Brackets

Highlight a Wall with Beautiful Indirect Lighting

Mountable on Both Walls and Ceilings



A Diverse Lineup of Shapes and Frames



Evenly-Distributed Light on Walls and Ceilings



**HH-LW6010013** (AC220-240V) Cool Daylight 6500K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 140mm / Height 140mm / Depth 95mm / Weight 0.5kg
- Acrylic Cover (Milky White)
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 58.4lm/W (292lm / 5W)



**HH-LW6020013** (AC220-240V) Warm White 2700K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 140mm / Height 140mm / Depth 95mm / Weight 0.5kg
- Acrylic Cover (Milky White)
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 54.0lm/W (270lm / 5W)



**HH-LW6010113** (AC220-240V) Cool Daylight 6500K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 178mm / Height 178mm / Depth 96mm / Weight 0.6kg
- Acrylic Cover (Milky White)
- Smoke Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 54.0lm/W (270lm / 5W)



**HH-LW6020113** (AC220-240V) Warm White 2700K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 178mm / Height 178mm / Depth 96mm / Weight 0.6kg
- Acrylic Cover (Milky White)
- Smoke Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 54.0lm/W (270lm / 5W)



**HH-LW6010213** (AC220-240V) Cool Daylight 6500K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 178mm / Height 178mm / Depth 96mm / Weight 0.6kg
- Acrylic Cover (Milky White)
- Clear Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 58.4lm/W (292lm / 5W)



**HH-LW6020213** (AC220-240V) Warm White 2700K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 178mm / Height 178mm / Depth 96mm / Weight 0.6kg
- Acrylic Cover (Milky White)
- Clear Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 54.0lm/W (270lm / 5W)



**HH-LW6010313** (220-240V) Cool Daylight 6500K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 178mm / Height 178mm / Depth 96mm / Weight 0.6kg
- Acrylic Cover (Milky White)
- White Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 54.0lm/W (270lm / 5W)



**HH-LW6020313** (220-240V) Warm White 2700K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 178mm / Height 178mm / Depth 96mm / Weight 0.6kg
- Acrylic Cover (Milky White)
- White Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 54.0lm/W (270lm / 5W)

# LED Brackets



**HH-LW6010413** (AC220-240V) Cool Daylight 6500K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 130mm / Height 130mm / Depth 95mm / Weight 0.5kg
- Acrylic Cover (Milky White)
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 54.0lm/W (270lm / 5W)



**HH-LW6020413** (AC220-240V) Warm White 2700K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 130mm / Height 130mm / Depth 95mm / Weight 0.5kg
- Acrylic Cover (Milky White)
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 54.0lm/W (270lm / 5W)



**HH-LW6010513** (AC220-240V) Cool Daylight 6500K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 168mm / Height 168mm / Depth 96mm / Weight 0.6kg
- Acrylic Cover (Milky White)
- Smoke Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 54.0lm/W (270lm / 5W)



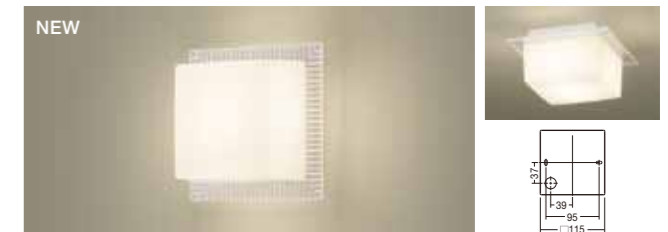
**HH-LW6020513** (AC220-240V) Warm White 2700K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 168mm / Height 168mm / Depth 96mm / Weight 0.6kg
- Acrylic Cover (Milky White)
- Smoke Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 54.0lm/W (270lm / 5W)



**HH-LW6010613** (AC220-240V) Cool Daylight 6500K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 168mm / Height 168mm / Depth 96mm / Weight 0.6kg
- Acrylic Cover (Milky White)
- Clear Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 54.0lm/W (270lm / 5W)



**HH-LW6020613** (AC220-240V) Warm White 2700K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 168mm / Height 168mm / Depth 96mm / Weight 0.6kg
- Acrylic Cover (Milky White)
- Clear Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 54.0lm/W (270lm / 5W)



**HH-LW6010713** (AC220-240V) Cool Daylight 6500K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 168mm / Height 168mm / Depth 96mm / Weight 0.6kg
- Acrylic Cover (Milky White)
- White Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 54.0lm/W (270lm / 5W)



**HH-LW6020713** (AC220-240V) Warm White 2700K / Ra80

- Power Consumption: 5.5W Input Current: 0.05A
- 1 Built-In LED / Built-In Power Supply Unit
- Width 168mm / Height 168mm / Depth 96mm / Weight 0.6kg
- Acrylic Cover (Milky White)
- White Frame
- Life of Light Source 40,000 Hours (LLMF: 70%)
- Brightness Equivalent to 60W Incandescent Lamp / 14W CFL
- Airtight / Mountable on Walls and Ceilings
- Intrinsic Power Consumption Rate: 54.0lm/W (270lm / 5W)