Stanley LED Lighting

https://Stanley-ledlighting.com

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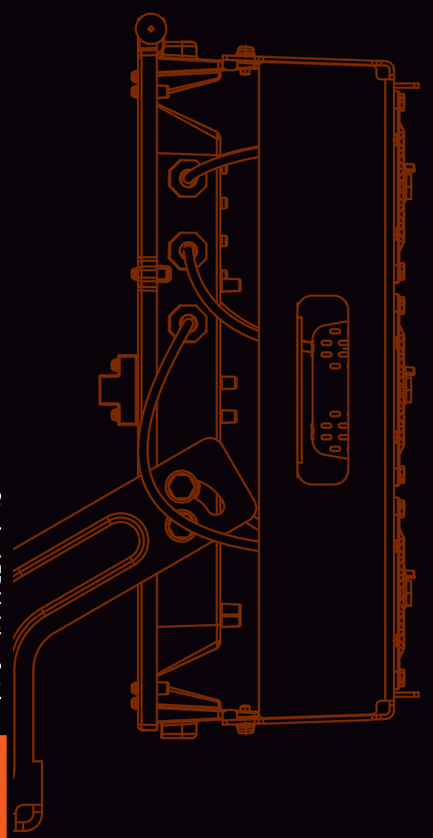
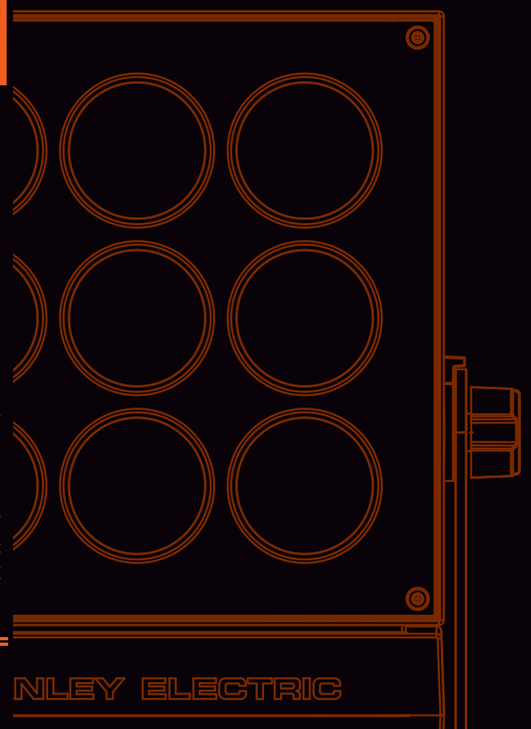
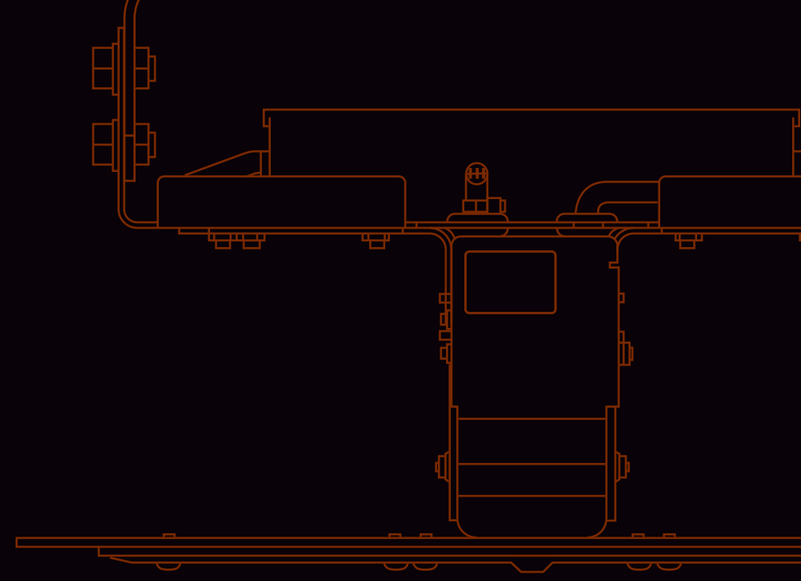
Web site

May 2025

Stanley LED Lighting Catalog
Case Studies and Products
STANLEY ELECTRIC CO., LTD.
April 2025







Stanley LED Lighting

Case Studies and Products

[LEDSFOCUS PRO]

[LEDSFOCUS]

[LEDSFOCUS GOLD]

[LEDSFOCUS LINE]

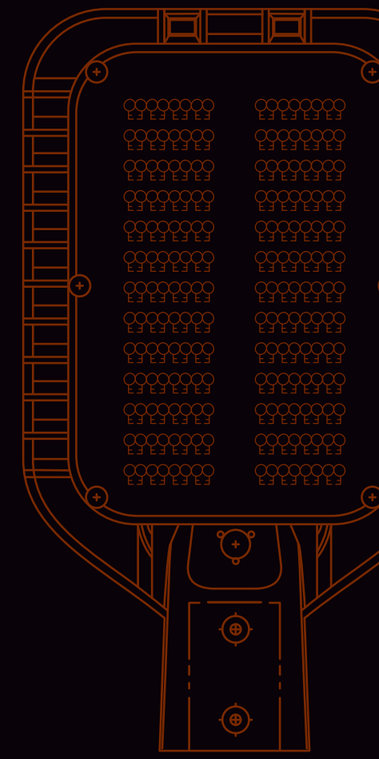
[LEDSFOCUS FLASH]

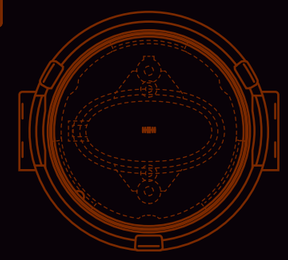
[LEDS HIGHLIGHT]

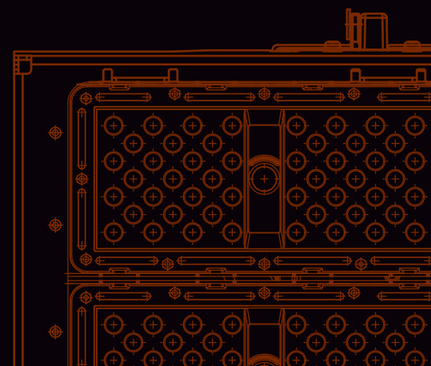
[LEDSROAD]

[LEDSHIGHMAST]

[LEDSHIGHBAY]







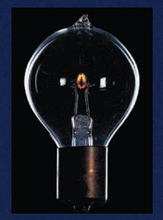
Stanley LED Lighting

Paving the way for a prosperous future through LED technology

Light the way for social development / Color life with light / Light for a brighter and safer world

Bringing color to every place. To realize this passion, Stanley Electric creates powerful new light by combining our automotive lamps, which require high reliability and excellent light distribution technology, with that of cutting-edge LED devices.

Reliability and dependable technology



Stanley Electric was founded in 1920 to manufacture and sell automotive light bulbs. Today, the company possesses an unwavering market share in the automotive lamp field. In 1976, long before LEDs were widely known to the public, we succeeded in commercializing the world's first high-luminance LEDs. Since then, we have continued to lead the market based on half a century of research and cultivated technologies.

Stanley's LED lighting in popular demand

Lights that watch over our lives and the safety of urban environments. Lights that delight people's eyes, and lights that add color to tradition. Lights that operates in harsh environments such as heat or heavy rain. Technology based on experience and an unwavering dedication to quality. We are committed to developing the highest quality products worldwide to bring light to every corner of society.

Streaming Now

CONTENTS

4 Areas to Convey Light

Adding beauty and color to urban activities, making it brighter and safer, improving work efficiency, and withstanding the harshest of environments. Stanley Electric's LED lighting lineup is divided into four areas of high quality light suitable for various situations.

4 LEDSHIGHMAST
Special Outdoor Lighting

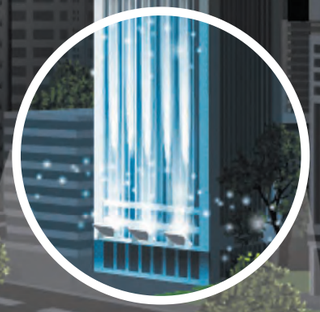
Providing long-term and powerful light to enable safe operations in wide open spaces, even in harsh conditions with seawater nearby.

Outdoor LED Floodlight
■LLF0059A P. 71–72

Outdoor LED Floodlight
■LLF0011A P. 73–74

Outdoor LED Floodlight
■LLF0012A P. 75–76

1 LEDSFOCUS
Landscape Lighting



Illuminating from long distances and emphasizing the sharp lines found in [illegible]marks and buildings.

NEW

LEDSFOCUS PRO
LED floodlight with narrow light distribution
■LLF0111A (Full color 9-lens) P. 27–28
LED floodlight with ultra-narrow light distribution
■LLF0111A (9-lens) P. 29–32
■LLF0112A (4-lens) P. 33–36
■LLF0113A (1-lens) P. 37–39

LEDSFOCUS
LED floodlight with ultra-narrow light distribution
■LLM0545A P. 43–44

LED spotlight with ultra-narrow light distribution
■LLM0854A P. 45–46

LEDSFOCUS GOLD
LED floodlight with ultra-narrow light distribution
■LLF0111A ■LLF0112A ■LLF0113A P. 49–50
■LLM0545A P. 51
Outdoor LED floodlight
■LLF0059A P. 52

LEDSFOCUS LINE
LED linear lighting
■LLM1389A P. 53–54

LEDSFOCUS FLASH
LED flash lighting
■LLM1549A P. 55–56 NEW

3 LEDSROAD
Road Lighting

Providing the right kind of light where and when needed to facilitate safe driving even under severe road conditions such as heat or heavy rain.

LED road lighting
■LLF0016A P. 61–62
■LLF0139A P. 63–64

■LLF0017A P. 65–66

NEW
■LLF0263A P. 67–68

5 LEDSHIGHBAY
Indoor Maintenance-Free Lighting

Slim, lightweight, and with even higher efficiency, making easy-to-use, maintenance-free LED lighting a reality.

LED high bay lighting
■LLF0058A P. 79–80

LED lighting for fish farming
■LLF0110A P. 81–82

2 LEDS HIGHLIGHT

We have achieved a smart guide using light with a compact body and a drawing design that adapts to various situations.

LED graphic unit
■LLM1546A P. 57–58 NEW

LEDSFOCUS series

Creating beautiful scenery and stunning effects

The LED expert Stanley Electric offers high-quality landscape lighting LEDSFOCUS, which demonstrates excellent performance even in harsh environments and has ultra-narrow light distribution angles that can be selected according to various lighting situations. A wide variety of colors, including the Stanley Electric original gold color, is available for all purposes with a flexible and detalled lineup. LEDSFOCUS will enhance the beauty of the scenery and produce a breathtaking view.

Long distance light
LEDSFOCUS

The lineup includes thin, lightweight models that specialize in long-distance illumination and can be easily integrated into multiple installations and other units, as well as spotlight models.

High performance
LEDSFOCUS PRO

Top quality models that can illuminate various kinds of objects with accuracy. (Power source is built in)

Golden light
LEDSFOCUS GOLD

Original models that uses Stanley Electric's proprietary phosphor blending technology to create vivid, unique gold-colored light.

FULL COLOR & Dimmable Type NEW

Full color type & dimmable type are new additions to the line-up. (Power source is built in)

Full Color

Dimmable

LED Linelight
LEDSFOCUS LINE

Provides clear-cut linear light with very compact body.

LED Flashlight
LEDSFOCUS FLASH

Randomly with a compact body Achieves flash emission.

NEW

– LEDSFOCUS Lighting Case Study 1 –

Niagara Falls

Location: New York, United States/Ontario, Canada
Client: Niagara Parks Commission
Lighting Agent: Salex Inc. / System Equipment: Scene Works / Installation: ECCO Electric Ltd
Design Engineering: MULVEY & BANANI INTERNATIONAL INC.

54 lx on the surface of the falls 600 meters away

In 2014, the Niagara Parks Commission put out a public tender for completely new lighting facilities to replace the aging xenon short-arc lamps that had been in use since 1997. Stanley Electric formed a project team with its Canadian lighting agent, Salex, and three other companies *1 to submit a bid. Our proposal was accepted in March 2016, and in November 2016, installation of the new system, was completed. Our achievements in automotive lighting and electrical components received high marks for meeting reliability requirements in terms of withstanding the harsh conditions of winter and safety standard requirements. The LED floodlights, created using Stanley's proprietary optical design, achieved significant electricity savings in the lighting equipment. Compared with the 4 kW xenon arc lamps used in the previous system, our LED floodlights cut power consumption by around 60%.*2 The Niagara Parks Commission estimates that the floodlights will last for more than 20 years. In terms of color expression as well, where the xenon arc lamps used four color filters to create different colors, our LED floodlights are able to create more than 16.77 million colors using a combination of four colors and dimmer controls. This has made it possible to produce new color effects.

*1. Project team comprising Salex (lighting agent), Scene Works (system equipment), ECCO Electric (installation), MULVEY & BANANI (design engineering), and Stanley Electric.
*2. Includes electricity consumption of auxiliary equipment related to the lighting system.

ADOPTED PRODUCT
LEDSFOCUS [LLM0545A] P. 43–44

Latest high-end model
LEDSFOCUS PRO
[LLF0111A] P. 29–32

– LEDSFOCUS Lighting Case Study 2 –

Mitsushima Islands

Location: Toba, Mie Prefecture, Japan
Client: Association for the Revitalization of Obama Inn Town, Toba City
Planner: LaPORTA

15 LED floodlights shine 13 lx onto islands 700 meters away

In a project to promote the appeal of Toba in Mie Prefecture, our floodlights light up the famously scenic beauty of the Mitsushima Islands off the shore of Toba at night, creating a magical view. Narrow-angle light is used to illuminate the three islands 500–700 meters from the shore. The pinpoint accuracy with which the islands are lit up enables clear, bright illumination without affecting vessels in the vicinity.

ADOPTED PRODUCT

LEDSFOCUS [LLM0545A] P. 43–44

Latest high-end model

LEDSFOCUS PRO
[LLF0111A] P. 29–32

– LEDSFOCUS Lighting Case Study 3 –

Nippon Budokan

Location: Chiyoda-ku, Tokyo
Client: Nippon Budokan Foundation
Lighting design: Motoko Ishii Lighting Design Inc.

Bringing to life the concept by world-renowned lighting designer Motoko Ishii: The sacred peak of Mount Fuji bathed in the light of the full moon

Completed in 1964, Nippon Budokan is used for prestigious Japanese budo (martial arts) tournaments and other various events. The lighting design, the work of world-renowned lighting designer Motoko Ishii brings to life the concept of "the sacred peak of Mount Fuji bathed in the light of the full moon. MOTOKO ISHII LIGHTING DESIGN consulted with us about reducing the sizes of the floodlights and about the light distribution and other factors to realize their concept, and, after repeated prototyping and on-site trials, our products were adopted. The roof is illuminated with a total of 128 floodlights using four custom-built types based on Stanley's LEDSFOCUS PRO LLF0112A, realizing the designer's image of the sacred peak of Mount Fuji basking in the light of the full moon.The entire circumference of the giboshi (sacred gem) on the roof's tip, 47 meters from the edge, is bathed in a sublime gold light with 16 LEDSFOCUS GOLD 4-bulb floodlights.

ADOPTED PRODUCT

■ Roof: LEDSFOCUS PRO LLF0112A floodlight x 128 units. Illumination distance: 2–50 m.
■ Giboshi: LEDSFOCUS GOLD LLF0112A 2.5° x 16 units. Illumination distance: 47 m.

LEDSFOCUS PRO
[LLF0112A]
P. 33–36

LEDSFOCUS GOLD
[LLF0112A]
P. 49–50

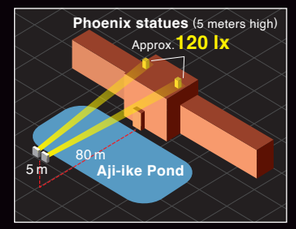
– LEDSFOCUS Lighting Case Study 4 –

The Phoenix and Amitabha Statue in Byodo-in Temple

Autumn 2018 Nighttime Special Entrance

Location: Uji, Kyoto Prefecture
Client: Byodo-in Temple

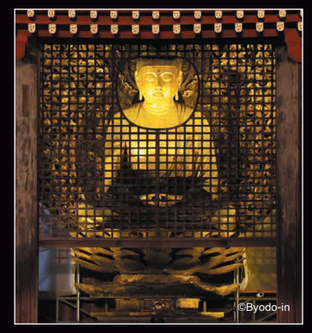
Our gold floodlights were used to light up the statue of Amitabha in the Phoenix Hall of World Heritage-listed national treasure Byodo-in Temple and the two phoenix figures on the hall's roof. The entire statue of the seated Amitabha was evenly illuminated with two types of LED spotlights with ultra-narrow light distribution trained on it from inside the hall, achieving an illuminance of 180 lx. For the phoenixes, ultra-narrow angle LED floodlights installed 80 meters away on the opposite bank of the pond allowed only the phoenix figures to be lit up with pinpoint precision, achieving a high illuminance of 120 lx.



ADOPTED PRODUCT
LEDSFOCUS GOLD
LLM0545A 4°×3° x 2 units

LEDSFOCUS GOLD
[LLM0545A] P. 51

Latest high-end model
LEDSFOCUS GOLD
[LLF0111A] P. 49–50



– LEDSFOCUS Lighting Case Study 5 –

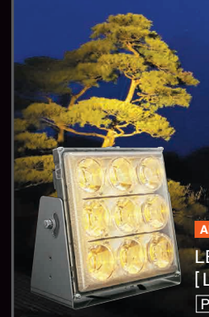
Zenkoji Temple

The 17th Nagano Tomyo Festival Special Lighting at the Main Temple Building

Location: Nagano, Nagano Prefecture
Organizer: Nagano Tomyo Lantern Festival Organizing Committee
Co-organizer: Nagano Junior Chamber of Commerce
Lighting design: Motoko Ishii Lighting Design Inc.

A new Nagano Tomyo Lantern Festival began in 2004 to commemorate the holding of the Nagano Winter Olympics in 1998.The light-up of Zenkoji Temple, the symbol of the Lantern Festival, is the work of world-renowned lighting designer Motoko Ishii.For the special light-up of Zenkoji's main worship hall at the 17th Nagano Tomyo Lantern Festival, 31 LEDSFOCUS GOLD floodlights bathed the temple in gold light, adorning the winter night sky of Nagano.

Access movie



ADOPTED PRODUCT
LEDSFOCUS GOLD
[LLM0545A]
P. 51

LEDSFOCUS GOLD
[LLF0112A]
P.49–50

Latest high-end model
LEDSFOCUS GOLD
[LLF0111A] P. 49–50

– LEDSFOCUS Lighting Case Study 6 –

Ginza Kabukiza Theater

Location: Chuo-ku, Tokyo Owner: Shochiku Co., Ltd. and Kabushiki Gaisha Kabukiza
Lighting Design: Motoko Ishii, Akari-Lisa Ishii, and Motoko Ishii Lighting Design Inc.

World-renowned lighting designers Motoko Ishii and Lisa Akari Ishii designed the light-up of Kabukiza Theater, home of Japan's traditional kabuki performing arts. Light from LEDSFOCUS floodlights, installed 130 meters away on the top floor of Kabukiza Tower behind the theater, illuminates the giant roof, giving the impression of moonlight bathing the theater. Dimmer control of the Kabukiza's custom LED lighting is used to create different effects for the different seasons.

ADOPTED PRODUCT
Custom-specification LED floodlights

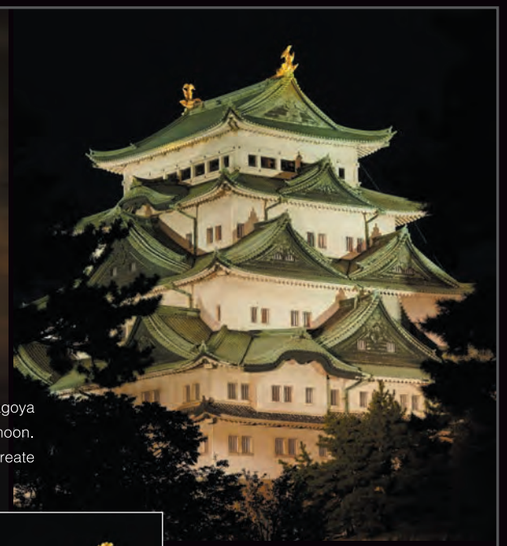
Latest high-end model
LEDSFOCUS PRO
[LLF0111A] P. 29–32

– LEDSFOCUS Lighting Case Study 7 –

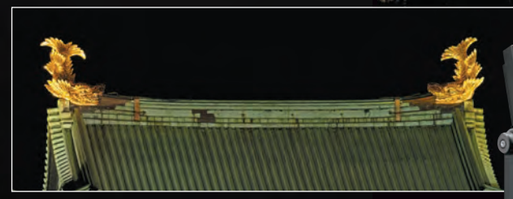
Nagoya Castle

Golden Tiger-Fish light up on the night of harvest moon

Location: Nagoya, Aichi Prefecture
Photograph: Akira Kuroda



The Golden Tiger-Fish (Kinshachi), the symbol of Nagoya Castle, are lit up only on the night of the harvest moon. The pinpoint illumination on the Golden Tiger-Fish create a wonderful collaboration with the harvest moon.



ADOPTED PRODUCT
LEDSFOCUS GOLD 2.5° x 15 units

LEDSFOCUS GOLD
[LLF0111A GOLD]
P. 49–50

– LEDSFOCUS Lighting Case Study 8 –

Shachi on the Roof of Kokura Castle

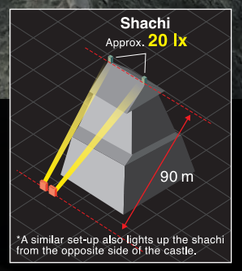
Location: Kitakyushu, Fukuoka Prefecture
Client: City of Kitakyushu
Lighting design: Miki Matsushita Lighting Design

Kokura Castle is a well-known edifice that Hosokawa Tadaoki, who fought on the side of the Eastern Army at the Battle of Sekigahara in 1600, took seven years to build, starting in 1602. The castle tower, which burned down in a fire in 1871, was rebuilt in 1959, and a new lighting scheme was implemented during renovations in 2019.The distance between the highest shachi (mythical dolphin-like creature that often adorns the roofs of Japanese castles) on the tower and the bottom of the rock wall is 47.5 meters. A total of four 3° narrow-angle LED floodlights (color temperature 5,000K) installed on poles in the open spaces in front of and behind the castle are trained on the 2.3-meter-tall male and female shachi on opposite ends of the roof, trapping them in their light from both sides.

ADOPTED PRODUCT
LEDSFOCUS LLM0545A
3° 5,000K x 4 units

LEDSFOCUS
[LLM0545A]
P. 43–44

Latest high-end model
LEDSFOCUS PRO
[LLF0111A] P. 29–32



*A similar set-up also lights up the shachi from the opposite side of the castle.

– LEDSFOCUS Lighting Case Study 9 –

Fire Safety Warning Sign on Mt. Shiroyama, Gohara Town

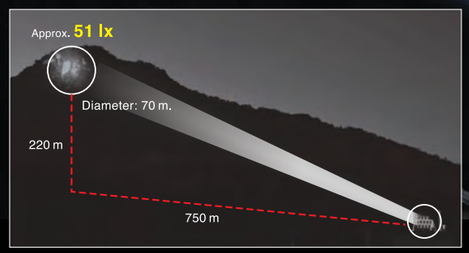
Location: Kure, Hiroshima Prefecture

Our floodlights light up characters reading "hi no yojin" -a fire safety warning- written on the rock face near the peak of the 420-meter-high Mt. Iwayama (also known as Mt. Shiroyama). During Japan's Warring States period (15th–16th centuries), a castle stood atop Mt.Shiroyama. The characters "hi no yojin" (look out for fire) were apparently written on the rock face by the local volunteer fire brigade in 1939 to raise awareness among the town's residents. The illumination of the writing was realized by the determination of a group of local volunteers. Thirteen 2.5° narrow-angle LED floodlights with a color temperature of 6,500K were installed. The distance from the light source to the rock is 752 meters, at an angle of elevation of 17°. The brightly lit characters -eighteen meters high and five meters across- continue to watch over the town today, raising awareness of fire safety.

ADOPTED PRODUCT
LEDSFOCUS
LLM0545A x 13 units

LEDSFOCUS
[LLM0545A]
P. 43–44

Latest high-end model
LEDSFOCUS PRO
[LLF0111A] P. 29–32



– LEDSFOCUS Lighting Case Study 10 –

Shiraito Falls World Heritage Site

Location: Fujinomiya, Shizuoka Prefecture
Client: City of Fujinomiya

Shiraito Falls, which form part of the UNESCO World Cultural Heritage listing for Mt. Fuji, were lit up to coincide with the season of autumn leaves. The three sides of this 20-meter-high, 150-meter-wide waterfall, known as one of Japan's most beautiful cascades, create an arch shape that presents an other-worldly image. Seven floodlights (2.5° and 3°) have been installed on the observatory on the right bank to light up the falls from a distance of 70 meters. Four 5° floodlights have also been installed in the visitor area in front of the waterfall's basin and are trained on the area of the falls that has the most water, 60 meters away. A combination of color temperatures ranging

ADOPTED PRODUCT
LEDSFOCUS PRO LLF0111A, LEDSFOCUS GOLD LLF011
LEDSFOCUS LLM0545A1A Total of 11 units

LEDSFOCUS PRO
[LLF0111A] P. 29–32

LEDSFOCUS GOLD
[LLF0111A GOLD] P. 49–50

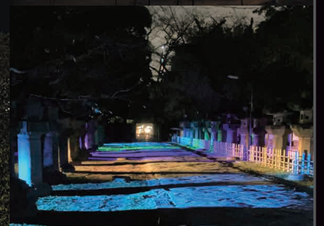
LEDSFOCUS
[LLM0545A] P. 43–44

– LEDSFOCUS Lighting Case Study 11 –

Special Ueno Toshogu Shrine Illumination

Location: Taito City, Tokyo
Lighting Design: Motoko Ishii Lighting Design Inc.

Access movie



LEDSFOCUS GOLD
[LLF0111A]
P. 49–50

LEDSFOCUS PRO
[LLF0111A]
P. 29–32

LEDSFOCUS PRO
[LLF0111A]
FULL COLOR
P. 27–28

ADOPTED PRODUCT

- Karamon Gate: LLF0111A GOLD
- Shrine Building: LLF0111A GOLD
  LLF0111A 3000K
- Approach Path: LLF0111A FULL COLOR

– LEDSFOCUS Lighting Case Study 12 –

Mikazuki Falls

Location: Kusu Town, Oita Prefecture
Client: Kusu Town Tourism Association

Kusu Town is a much talked-about sacred place for a well-known animation and a home for fairy tales. As part of the town's revitalization efforts, a lighting event was held at Mikazuki Falls in the fall of 2024, attracting visitors with constantly-changing lighting using Stanley's LEDSFOCUS PRO full color LED projection lighting with colors that change freely.

Access movie

ADOPTED PRODUCT

LEDSFOCUS PRO
LLF0111A
FULL COLOR
10° 3000K × 2 units

LEDSFOCUS PRO
[LLF0111A]
FULL COLOR
P. 27–28

– LEDSFOCUS Lighting Case Study 13 –

Lit Up Night Scene at "Fujinuta Falls" Okubo Iyashinomori Park

Location: Fuefuki City, Yamanashi Prefecture

A "Starry Sky Museum" event was held at "Fujinuta Falls" Okubo Iyashinomori Park to commemorate 100 sculptures donated by the Kitano Foundation of Lifelong Integrated Education. 101 sculptures were installed in the park, and crystal balls were combined with Stanley's lightweight "LLM0854A" that can be easily attached to branches on trees around the area to create a fantastic illumination. Our "LLF0111A" and "LLF0112A" products were also used to brighten up sculptures and trees in the forest.

Access movie

ADOPTED PRODUCT

LEDSFOCUS LLM0854A 3000K × 70 units
LEDSFOCUS PRO LLF0111A 30° 3000K × 5 units, 50° 3000K × 3 units
LEDSFOCUS PRO LLF0112A 30° 3000K × 4 units, 9° 3000K × 7 units

LEDSFOCUS
[LLM0854A]
P.45–46

LEDSFOCUS PRO
[LLF0111A]
P. 29–32

LEDSFOCUS PRO
[LLF0112A]
P. 33–36

– LEDSFOCUS Lighting Case Study 14 –

Yomiuri Land Jewellumination

Resonance of Gold and Birthstone

An annual event held from autumn to spring at Yomiuri Land, one of Japan's leading leisure facilities located in the hills of Tama in western Tokyo, Jewellumination is an event that adorns the sky with fantastical lighting and illumination. The illumination in gold and jewel tones, which can only be seen here, are produced by world-renowned lighting designer Motoko Ishii and captivate all who come to see them. For the Ferris Wheel, a combination of narrow-angle to medium-angle floodlights attached to a stand 25 meters away and to the left and right braces of the Ferris Wheel made it possible to light up the entire 58-meter diameter of the wheel evenly.The roof of the merry-go-round is illuminated in a fantastical way by floodlights installed at the park's entrance, 70 meters away. The fountain is located on the island inside the flowing pool. Floodlights installed pool-side 14 meters away turn the water of the fountain into a splendid gold.

Access movie

The scene of the 2021 light-up

Location: Inagi, Tokyo
Producer: Motoko Ishii
Lighting design: Motoko Ishii Lighting Design Inc.

ADOPTED PRODUCT

- Ferris Wheel: LEDSFOCUS GOLD 2.5° x 8 units
  LEDSFOCUS GOLD 10° x 12 units
  LEDSFOCUS GOLD 20° x 2 units
  LEDSFOCUS GOLD 30° x 4 units
  Illumination distance: 9–56 m.
- Merry-go-round: LEDSFOCUS GOLD 3° x 4 units. Illumination distance: 70 m.
- Fountain: LEDSFOCUS GOLD 10° x 3 units. Illumination distance: 14 m.

LEDSFOCUS GOLD [LLF0111A] P. 49–50

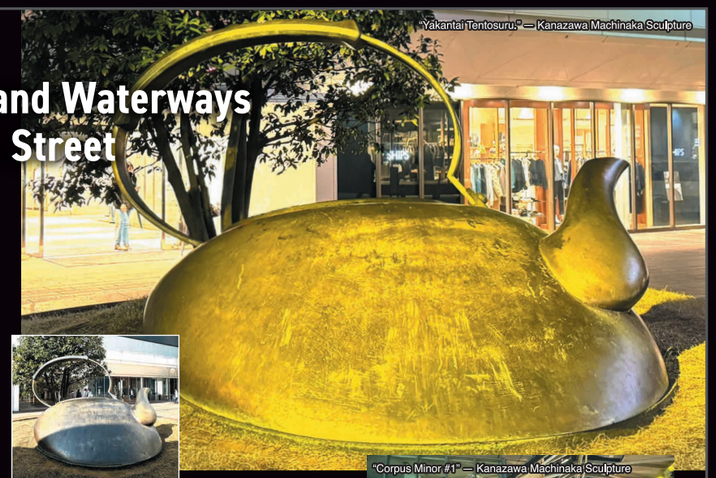
– LEDSFOCUS Lighting Case Study 15 –

Illuminated Sculptures and Waterways Along Kanazawa Station Street

Location: Kanazawa City, Ishikawa Prefecture
Client: Kanazawa City
Production collaboration: Yamada Shomei Lighting Co., Ltd.
Lighting design: Reiko Chikada Lighting Design Inc.

Kanazawa produces nearly 100% of all gold leaf in Japan, giving the city a very pervasive gold culture. As part of the promotion work for the Ishikawa Hyakumangoku Cultural Festival 2023, the sculptures and waterways along the Kanazawa Station street, beginning in front of Kanazawa Station and extending to Musashigatsuji/Omicho Market, have been illuminated in gold light. This illumination exhibition has continued even after the end of the Ishikawa Hyakumangoku Cultural Festival 2023.

Access movie


"Yakantai Tentosuru." — Kanazawa Machinaka Sculpture


Illuminated Waterways


"Corpus Minor #1" — Kanazawa Machinaka Sculpture


"BREAKFAST" — Kanazawa Machinaka Sculpture

ADOPTED PRODUCT

■ Yakantai Tentosuru.
LEDSFOCUS GOLD (with louver)
LLF0112A GOLD 10° × 1 units
LLF0112A GOLD 9° × 1 units

■ CORPUS MINOR#1
LEDSFOCUS GOLD (with louver)
LLF0112A GOLD 5° × 1 units
LLF0112A GOLD 20° × 2 units
LLF0113A GOLD 5° × 2 units
LLF0113A GOLD 10° × 1 units
LLF0113A GOLD 20° × 1 units

■ Illuminated Waterways
LEDSFOCUS GOLD
LLF0113A GOLD 5° × 37 units

■ FUGA
LEDSFOCUS GOLD (with louver)
LLF0112A GOLD 20° × 1 units
LLF0113A GOLD 5° × 2 units

■ The BREAKFAST
LEDSFOCUS GOLD (with louver)
LLF0112A GOLD 10° × 1 units
LLF0113A GOLD 2.5° × 2 units

LEDSFOCUS GOLD
[LLF0112A] P.49-50

LEDSFOCUS GOLD
[LLF0113A] P.49-50

– LEDSFOCUS Lighting Case Study 16 –

Stanley Electric Head Office

Location: Meguro-ku, Tokyo

At Stanley Electric's head office in Nakameguro, Meguro-ku, Tokyo, the head office building and surrounding trees are illuminated in colors that match the seasons and events. The photos shown here highlight our cherry blossom-themed illumination, which was enjoyed by visitors strolling around the area and along the promenade by the Meguro River.

ADOPTED PRODUCT

■ 5th floor section
LEDSFOCUS PRO LLF0112A FULL COLOR 30° x 36 units

■ 1st floor part
LEDSFOCUS PRO LLF0111A FULL COLOR 30° x 3 units, 20° x 3 units
LEDSFOCUS PRO LLF0112A 3,000K 30° x 11 units, (50° + 20°) x units ※
※ Each lighting unit is fitted with 2 types of light-distributing lenses.

LEDSFOCUS PRO
[LLF0111A]
FULL COLOR
P.27-28

LEDSFOCUS PRO
[LLF0112A]
P.33-36

– LEDSFOCUS Lighting Case Study 17 –

Notojima Seaside Park Aquarium

Location: Nanao City, Ishikawa Prefecture

The Notojima Seaside Park Aquarium reopened as one step on the road toward the reconstruction of the Noto Peninsula. Stanley's "LLF0111A" is used as lighting for a giant water tank in which whale sharks and other species swim. The combination of "LLF0111A" with different angles based on narrow-angle light distribution is used to illuminate the giant water tank, creating a performance entitled "Curtain of Light." Furthermore, a medium-angle type was added to provide overall lighting for the sardine tank, and a 10° medium-angle type and 3° narrow angle type were added for directed lighting.

Access movie

Whale shark tank

Sardine tank

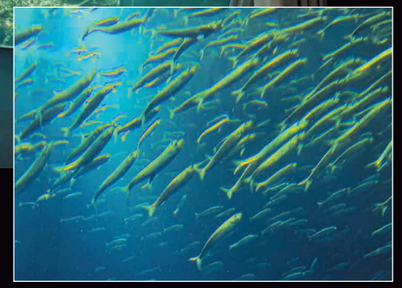
Access movie

ADOPTED PRODUCT

■ Whale shark tank
LLF0111A 6500K 2.5° x 18 units
(4 of which flash to create image of sunlight filtering through trees)
LLF0111A 6500K 3° x 4 units
LLF0111A 6500K 10° x 8 units
LEDSFOCUS PRO LLF0111A x Total of 30 units

■ Sardine tank
LLF0111A 6500K 30° x 14 units (for overall lighting)
LLF0111A 6500K 10° x 7 units (for spotlighting)
LLF0111A 6500K 3° x 6 units (for spotlighting)
Total: LEDSFOCUS PRO LLF0111A x 27 units

LEDSFOCUS PRO
[LLF0111A]
P. 29–32



– LEDSFOCUS Lighting Case Study 18 –

Yokohama Marine Tower

As the symbol of "Illumine Yokohama" (a limited-time and fantastically lit illumination exhibition displayed at Yamashita Park in Yokohama), the 106-meter-high Marine Tower was lit up in the never-before-seen color of GOLD, attracting visitors to Yokohama during the Christmas season.

Location: Naka-ku, Yokohama City
Organized by: Yamashita Park Avenue Association
Co-organized by: Creative Light Yokohama Executive Committee Planning and design:
Mikiko Ishii + Akari-Lisa Ishii
Design supervisor: Motoko Ishii Lighting Design Inc.

ADOPTED PRODUCT
LEDSFOCUS GOLD
LLM0545A 4°×3° x 28 units

LEDSFOCUS GOLD
[LLM0545A] P. 53

Latest high-end model
LEDSFOCUS GOLD
[LLF0111A] P. 51-52

– LEDSFOCUS Lighting Case Study 19 –

Nihonbashi Takashimaya Department Store

Location: Chuo-ku, Tokyo
Design: Nihon Sekkei + Plantec Architects JV
Lighting Design: Uchihara Creative Lighting Design Inc.

Coinciding with the completion of the new building, 37 narrow-angle LED floodlights were installed, together with 12 floodlights on the East building. The stylish edge of the building stands out prominently with the facade lighting.

ADOPTED PRODUCT
LEDSFOCUS
LLM0545A × 5 units

LEDSFOCUS
[LLM0545A]
P. 43–44

Latest high-end model
LEDSFOCUS PRO
[LLF0111A] P. 29–32

– LEDSFOCUS Lighting Case Study 20 –

Mitsui Garden Hotel Ginza Premier

Location: Chuo-ku, Tokyo
Client: Mitsui Fudosan Co., Ltd.
Design & Construction: Mitsui Fudosan Facilities Co., Ltd.

ADOPTED PRODUCT
LEDSFOCUS
LLM0545A × 5 units

LEDSFOCUS
[LLM0545A]
P. 43–44

Latest high-end model
LEDSFOCUS PRO
[LLF0111A] P. 29–32

– LEDSFOCUS Lighting Case Study 21 –

Mejiro Garden

Fall 2021 Autumn Leaves Illumination (Limited Time)

Location: Toshima-ku, Tokyo

The Mejiro Garden is a Japanese garden with a circular path through which visitors can enjoy the scenery of the four seasons. The garden is illuminated every year during the season of autumn leaves and is open at night for a limited period. Every year, students from a lighting design school illuminate the garden as a competition.

ADOPTED PRODUCT
LEDSFOCUS PRO LLF0113A
3000K x 2 units (+ spread lens)
LEDSFOCUS PRO LLF0113A
2.5° 3000K x 1 unit

LEDSFOCUS PRO
[LLF0113A] P. 37–41

– LEDSFOCUS Lighting Case Study 22 –

Haneda Innovation City Hotel Courtyard

Location: Ota-ku, Tokyo
Developer: Haneda Mirai Development Co., Ltd.
Overall Plan: Kajima Corporation
Design & Construction: Kajima Corporation, Daiwa House Industry Co., Ltd.
Lighting Design: Tomoru design, Meguro inc.
Provided By: Lumenjapan Photography: Yo Masunaga

ADOPTED PRODUCT
LEDSFOCUS PRO LLF0112A x 13 units

LEDSFOCUS PRO
[LLF0112A]
P. 33–36

– LEDSFOCUS Lighting Case Study 23 –

JX Advanced Metals

Location:
Implementer: JX Nippon Mining Co., Ltd.

Access movie

ADOPTED PRODUCT
LEDSFOCUS PRO LLF0111A
10° 5000K × 1 units (+ spread lens)
LEDSFOCUS PRO LLF0111A
10° 5000K × 1 units
LEDSFOCUS PRO LLF0111A
30° 5000K × 2 units

LEDSFOCUS PRO
[LLF0111A] P. 29–32

– LEDSFOCUS Lighting Case Study 24 –

MEIDOH Co.,LTD. Nishinakayama Factory

Location: Toyota, Aichi Prefecture
Client: MEIDOH Co., Ltd.

ADOPTED PRODUCT
LEDSFOCUS PRO LLF0111A
6° 5700K × 5 units
LEDSFOCUS PRO LLF0111A
2.5° 4000K × 2 units

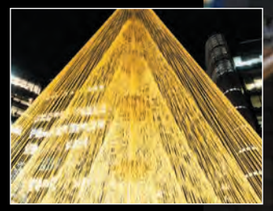
LEDSFOCUS PRO
[LLF0111A] P. 29–32

– LEDSFOCUS Lighting Case Study 25 –

Chords of Light Christmas Tree, Paddington Central

Location: London, UK
Installation: Tangent
Photography: Holly Wren

This Christmas tree at Paddington Central was designed by London-based design engineering studio Tangent. The contemporary, sculpture-like Christmas tree was installed for Christmas 2019 on the stage of the complex's amphitheater and lit up by 32 LED floodlights encircling the stage. Gold light from the floodlights was cast onto the 700 white wires strung up in five conical layers that formed the shape of the Christmas tree. The complex layering of wires and color created visual effects that looked different from different vantage points.



ADOPTED PRODUCT
LEDSFOCUS LLM0854A x 32 units
LEDSFOCUS [LLM0854A] P. 45–46

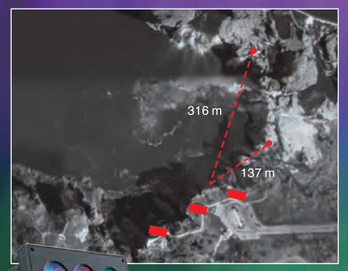
Latest high-end model
LEDSFOCUS GOLD
[LLF0113A] P. 49–50

– LEDSFOCUS Lighting Case Study 26 –

Shoshone Falls

Location: Idaho, USA
Client: Southern Idaho Tourism

Shoshone Falls on Snake River is a famous waterfall located at an altitude of nearly 1,000 meters above sea level and boasts a height difference of 65 meters and a width of 282 meters. Illumination points 137 m to 316 m away are divided into 12 points and illuminated by a total of 36 LEDSFOCUS PRO full color type units. Initially started for a limited time, we are planning to make the illumination permanent in the future.



ADOPTED PRODUCT
LEDSFOCUS PRO LLF0111A
FULL COLOR x 36 units

LEDSFOCUS PRO
[LLF0111A] FULL COLOR
P. 27–28

– LEDSFOCUS Lighting Case Study 27 –

A10 Nam Trung Yen Project

Location: Hanoi, Vietnam

ADOPTED PRODUCT
LEDSFOCUS GOLD
LLF0112A GOLD 2.5° × 120 units
LLF0113A GOLD 2.5° × 36 units

LEDSFOCUS GOLD
[LLF0112A]
P.49-50

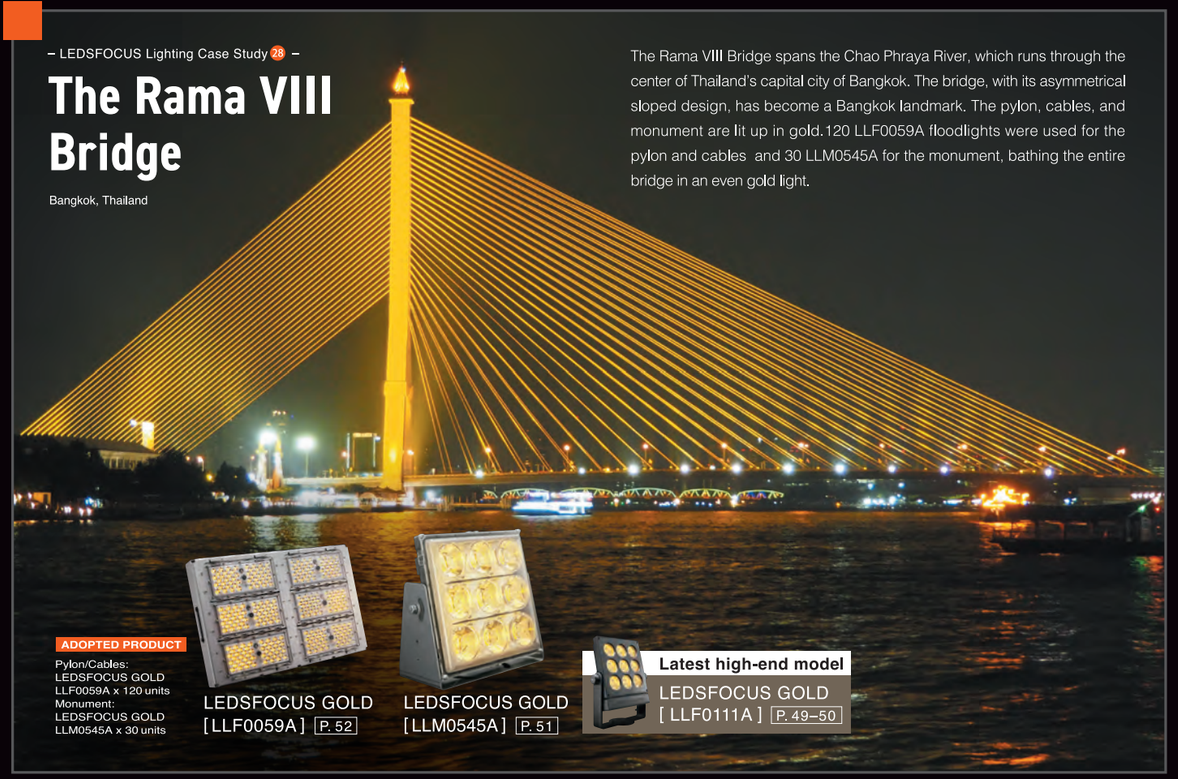
LEDSFOCUS GOLD
[LLF0113A]
P.49-50

– LEDSFOCUS Lighting Case Study 28 –

The Rama VIII Bridge

Bangkok, Thailand

The Rama VIII Bridge spans the Chao Phraya River, which runs through the center of Thailand's capital city of Bangkok. The bridge, with its asymmetrical sloped design, has become a Bangkok landmark. The pylon, cables, and monument are lit up in gold.120 LLF0059A floodlights were used for the pylon and cables and 30 LLM0545A for the monument, bathing the entire bridge in an even gold light.



ADOPTED PRODUCT

Pylon/Cables:
LEDSFOCUS GOLD
LLF0059A x 120 units
Monument:
LEDSFOCUS GOLD
LLM0545A x 30 units

LEDSFOCUS GOLD
[LLF0059A] P. 52

LEDSFOCUS GOLD
[LLM0545A] P. 51

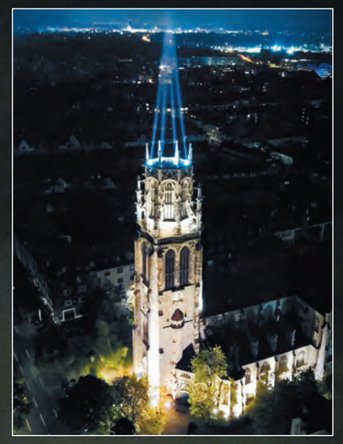
Latest high-end model
LEDSFOCUS GOLD
[LLF0111A] P. 49–50

– LEDSFOCUS Lighting Case Study 29 –

Herz Jesu Kirche

Location: Düsseldorf, Germany
Client: Herz Jesu Kirche
Lichtkuppel Herz Jesu Kirche Dusseldorf/
Germany Artist Klaus H.R.Gendrung/
mo2 Photography A.Aengevelt dus-illuminated ®

The church's spire, which was lost to the ravages of World War II, was recreated with light. Eight floodlights placed at about 8-meter intervals were focused on a single point 70 meters from the light source. The rays of 5,700K light brought splendid new life to the Düsseldorf nightscape.



ADOPTED PRODUCT
LEDSFOCUS LLM0545A
x 8 units

LEDSFOCUS
[LLM0545A]
P. 43–44

Latest high-end model
LEDSFOCUS PRO
[LLF0111A] P. 29–32

– LEDSFOCUS Lighting Case Study 30 –

Building in Zone Industrielle de Mozinor

Location: Outskirts of Paris, France

ADOPTED PRODUCT
LEDSFOCUS
[LLM0854A]
P. 45–46

Latest high-end model
LEDSFOCUS PRO
[LLF0113A] P. 37–39

– LEDSFOCUS Lighting Case Study 31 –

That Luang

Location: Vientiane, Laos

ADOPTED PRODUCT
LEDSFOCUS GOLD
[LLM0545A] P. 51

Latest high-end model
LEDSFOCUS GOLD
[LLF0111A] P. 49–50

– LEDSFOCUS Lighting Case Study 32 –

Jade Pagoda

Location: Mandalay, Myanmar

ADOPTED PRODUCT
LEDSFOCUS
[LLM0545A]
P. 43–44

Latest high-end model
LEDSFOCUS PRO
[LLF0111A] P. 29–32

– LEDSFOCUS Lighting Case Study 33 –

Patuxai

Location: Vientiane, Laos

ADOPTED PRODUCT
LEDSFOCUS
[LLM0545A]
P. 43–44

Latest high-end model
LEDSFOCUS PRO
[LLF0111A] P. 29–32

Sophisticated high-end model

LEDSFOCUS PRO

LED floodlight with ultra-narrow light distribution | LLF0111A LLF0112A LLF0113A

Lichtkuppel Herz Jesu Kirche Dusseldorf/Germany Artist Klaus H.R.Gendrung/
mo2 Photography A.Aengevelt dus-illuminated ®

LEDSFOCUS PRO

BRONZE MEMBER DX 2024

STANLEY ELECTRIC is a Bronze member of the lighting simulation software 'DIALux'.

● Full Color Type ● ON/OFF Type ● Dimmable Type

Heat resistance | Vibration resistance 1G | Noise resistance | UV resistance | Heavy salt resistance | High waterproof IP66

Access movie

The “Light Tunnel,” one of Japan's largest experimental facilities dedicated to light with a length of over 200 meters, was constructed in Hadano City, Kanagawa Prefecture, and is used to develop high quality products through repeated experiments and performance tests.

FULL COLOR & Dimmable Type NEW

Full color type (LLF0111A) & dimmable type (LLF0111A, LLF0112A) have been newly added to the line-up.

Full Color

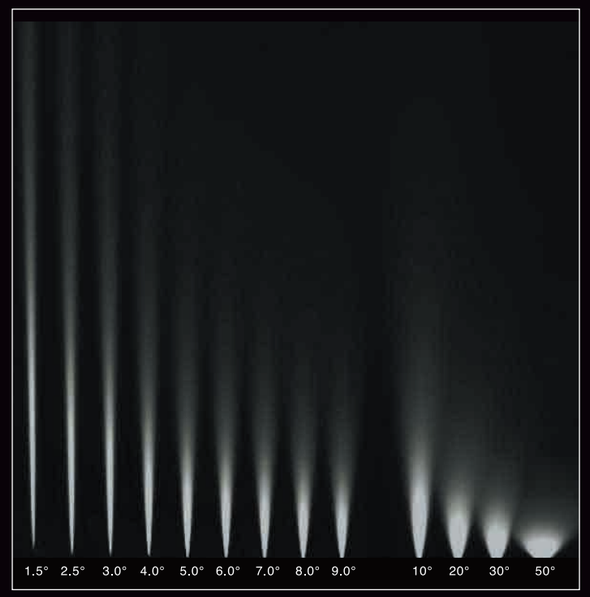
Dimmable

Wide range of variations to meet every need

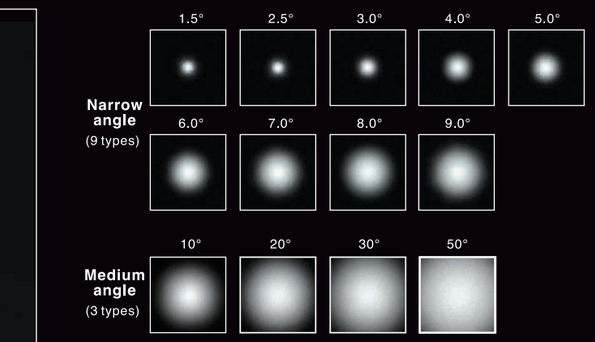
Light distribution from ultra-narrow to medium angles effectively harnesses the light from the LEDs, providing a lighting fixture that can be used for a wide range of lighting uses and light shows. The LEDSFOCUS PRO delivers light to places it has never been able to reach before. Our unique optical system delivers beautiful projections with control of light distribution angles in units of 1° and provides a wide variety of colors to create beautiful light displays that are perfect for a wide range of scenarios.

Ultra-narrow light distribution	1/2 beam angle, ultra-narrow light distribution with a minimum of 1.5° enables bright illumination at distant objects.
Light distribution control	Light distribution can be fine-tuned by units of 1°, from 1.5 to 10°, accurately casting light on objects. In addition,a high output medium angle lightdistribution of 10 to 50° is available for various applications. ※The full color type has a narrow-angle light distribution of 5° and a medium-angle light distribution of 10 to 30°.
Beautiful light projection	Our unique LED / lens design technology can achieve beautiful and uniform light projection.
Heavy duty	The waterproof and dustproof structure of IP66 as well as the excellent heavy salt resistance specifications, provide maximum performance in harsh environments.
Customizable	Light distribution, light color, size, body color, and optional parts can be freely customized, making this product suitable for any scenario.
Expressive power (Full Color Type)	Light of various colors, including pastel colors, can be expressed by using the RGBW light source.

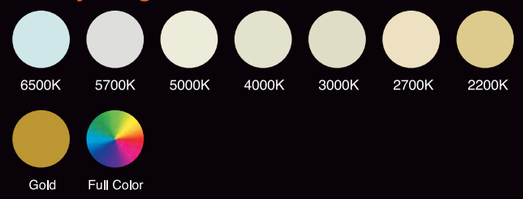
A variety of light distribution angles to meet every application (LLF0111A)



Huge variation achieved with 1° unit adjustments (LLF0111A)

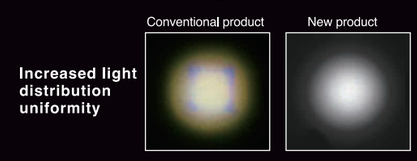


Variety of light source colors (LLF0111A)



Light distribution image when wearing a spread lens (LLF0111A 3000K)

Visualization of light (LLF0111A)



LEDSFOCUS PRO LLF0111A FULL COLOR

Heat resistance

Vibration resistance 1G

Noise resistance

UV resistance

Heavy salt resistance

High waterproof IP66

Specifiction

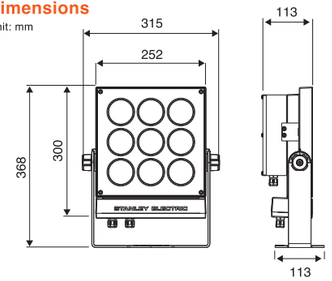
Body: Aluminum die casting
Front cover: Polycarbonate
Secondary lens: Acrylic
Rated Voltage: AC 100–240V
Ambient temperature: -25–50 °C
Waterproof and dustproof: IP66
Light source life: 50,000 hours (lumen maintenance factor 70%)
Power supply: Built in
Weight: 7.3 kg
Control: DMX

	Rated luminous flux	Power consumption
narrow angle (5°)	2,270 lm	65 W
medium angle (10~50°)	2,080 lm	65 W

Power consumption is at AC 100 V.
When all four colors are fully lit.

Dimensions

Unit: mm

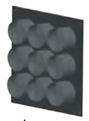


Color

Charcoal grey
(Standard color)

Option

Spread lens



Louver

LLF0111A / LWWD065 / F1X / □□ / S / BK / □ / C / □□ / 1

Product Name / Control Name / Light Source Code / Light Distribution Angle / a / b / c / d / e / f

※The Part No. in the table below only indicates the light distribution angle, a, b, c, d and e.

a : Installed type [S] = Standard installation
b : Body color [BK] = Charcoal grey
c : Control [G] = DMX dimming (Curve: Linear)
Control [T] = DMX dimming
(Curve: Linear with terminating resistor)
d : Painting specification [C] = Heavy-duty salt resistance
e : Standard [UL] = UL standard compliant
Standard [CE] = CE and PSE standards compliant
f : Ver. [1] = Version 1

Specification		UL standard		CE and PSE standards	
1/2 Beam angle 5°	Part No.	05/S/BK/G/C/UL	05/S/BK/T/C/UL	05/S/BK/G/C/CE	05/S/BK/T/C/CE
	Center luminous intensity (cd)	178,600	178,600	178,600	178,600
	Rated luminous flux (lm)	2,270	2,270	2,270	2,270
	Power consumption (W)	65	65	65	65
	Control	DMX	DMX (with terminating resistor)	DMX	DMX (with terminating resistor)
1/2 Beam angle 10°	Part No.	10/S/BK/G/C/UL	10/S/BK/T/C/UL	10/S/BK/G/C/CE	10/S/BK/T/C/CE
	Center luminous intensity (cd)	80,800	80,800	80,800	80,800
	Rated luminous flux (lm)	2,080	2,080	2,080	2,080
	Power consumption (W)	65	65	65	65
	Control	DMX	DMX (with terminating resistor)	DMX	DMX (with terminating resistor)
1/2 Beam angle 20°	Part No.	20/S/BK/G/C/UL	20/S/BK/T/C/UL	20/S/BK/G/C/CE	20/S/BK/T/C/CE
	Center luminous intensity (cd)	20,000	20,000	20,000	20,000
	Rated luminous flux (lm)	2,080	2,080	2,080	2,080
	Power consumption (W)	65	65	65	65
	Control	DMX	DMX (with terminating resistor)	DMX	DMX (with terminating resistor)
1/2 Beam angle 30°	Part No.	30/S/BK/G/C/UL	30/S/BK/T/C/UL	30/S/BK/G/C/CE	30/S/BK/T/C/CE
	Center luminous intensity (cd)	9,600	9,600	9,600	9,600
	Rated luminous flux (lm)	2,080	2,080	2,080	2,080
	Power consumption (W)	65	65	65	65
	Control	DMX	DMX (with terminating resistor)	DMX	DMX (with terminating resistor)

Power consumption is at AC 100 V
When all four colors are fully lit.
※Values in this catalog are for reference only and are not guaranteed.

Shoshone Falls
Idaho, USA

A wide range of expressiveness achievable through full color lighting

LEDSFOCUS PRO **LLF0111A**

Heat resistance

Vlbration resistance 1G

Noise resistance

UV resistance

Heavy salt resistance

High waterproof IP66

Specifiction

Body: Aluminum die casting
Front cover: Polycarbonate
Secondary lens: Acrylic
Rated Voltage: AC 100–240V
Ambient temperature: -25–50 °C
Waterproof and dustproof: IP66
Light source life: 50,000 hours
(lumen maintenance factor 70%)
Power supply: Built in
Weight: Narrow-angle type (1.5–9°) 5.4 kg
[Dimmable type 5.6 kg]
Medium-angle type (10–50°) 6.4 kg
[Dimmable type 6.5 kg]

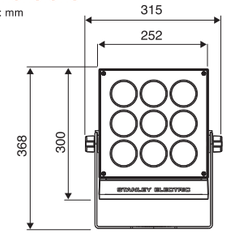
ON/OFF type	Rated luminous flux	Power consumption
Ultra narrow-angle (1.5°)	1,270 lm	32.5 W
Narrow-angle (2.5-9°)	1,220-1,700 lm	35.7 W
Medium-angle (10-50°)	3,230-4,840 lm	55.7 W

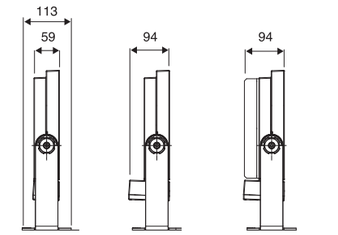
Dimmable type	Rated luminous flux	Power consumption
Narrow-angle (2.5-9°)	1,220-1,700 lm	35.9-37.1 W
Medium-angle (10-50°)	2,830-4,240 lm	47.4-48.3 W

Power consumption is at AC 100 V

Dimensions

Unit: mm





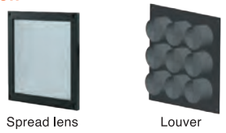
Narrow-angle (ON/OFF) | Narrow-angle (Dimmable) | Medium-angle (ON/OFF, Dimmable)

Narrow-angle (ON/OFF) | Narrow-angle (Dimmable) | Medium-angle (ON/OFF, Dimmable)

Color

Charcoal grey
(Standard color)

Option



Spread lens | Louver

Illumination range	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Gold
Beam Angle 1.5°								
D (m) / Φ (m)				Center Beam Illuminance (lx)				
30 / 0.84	—	—	1,500	—	—	—	—	—
50 / 1.4	—	—	560	—	—	—	—	—
100 / 2.8	—	—	140	—	—	—	—	—
500 / 14	—	—	5.6	—	—	—	—	—
1000 / 28	—	—	1.4	—	—	—	—	—
Beam Angle 2.5°								
D (m) / Φ (m)				Center Beam Illuminance (lx)				
30 / 1.2	1,200	1,200	1,200	1,200	1,100	940	820	900
50 / 1.9	420	420	420	420	380	340	300	320
100 / 3.8	110	110	110	110	95	85	74	81
500 / 19	4.2	4.2	4.2	4.2	3.8	3.4	3.0	3.2
1000 / 38	1.1	1.1	1.1	1.1	0.95	0.85	0.74	0.81
Beam Angle 3.0°								
D (m) / Φ (m)				Center Beam Illuminance (lx)				
30 / 1.4	860	860	860	860	770	700	620	700
50 / 2.3	310	310	310	310	280	250	220	250
100 / 4.5	77	77	77	77	69	63	55	63
500 / 23	3.1	3.1	3.1	3.1	2.8	2.5	2.2	2.5
1000 / 49	0.77	0.77	0.77	0.77	0.69	0.63	0.55	0.63
Beam Angle 4.0°								
D (m) / Φ (m)				Center Beam Illuminance (lx)				
30 / 2.0	500	500	500	500	450	390	340	410
50 / 3.3	180	180	180	180	160	140	120	150
100 / 6.6	45	45	45	45	41	35	31	37
500 / 35	1.8	1.8	1.8	1.8	1.6	1.4	1.2	1.5
1000 / 70	0.45	0.45	0.45	0.45	0.41	0.35	0.31	0.37

D (m) = Distance / Φ (m) = 1/2 Illuminance Beam

※Values in this catalog are for reference only and are not guaranteed.

Illumination range	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Gold
Beam Angle 5.0°								
D (m) / Φ (m)				Center Beam Illuminance (lx)				
30 / 2.7	290	290	290	290	260	220	200	240
50 / 4.5	100	100	100	100	94	80	70	86
100 / 9.1	26	26	26	26	23	20	18	22
500 / 45	1.0	1.0	1.0	1.0	0.94	0.80	0.70	0.86
1000 / 91	0.26	0.26	0.26	0.26	0.23	0.20	0.18	0.22
Beam Angle 6.0°								
D (m) / Φ (m)				Center Beam Illuminance (lx)				
30 / 3.2	210	210	210	210	190	160	140	180
50 / 5.4	76	76	76	76	68	59	52	63
100 / 11	19	19	19	19	17	15	13	16
500 / 54	0.76	0.76	0.76	0.76	0.68	0.59	0.52	0.63
1000 / 108	0.19	0.19	0.19	0.19	0.17	0.15	0.13	0.16
Beam Angle 7.0°								
D (m) / Φ (m)				Center Beam Illuminance (lx)				
30 / 3.8	160	160	160	160	140	120	110	140
50 / 6.3	58	58	58	58	52	45	39	49
100 / 13	15	15	15	15	13	11	9.8	12
500 / 63	0.58	0.58	0.58	0.58	0.52	0.45	0.39	0.49
1000 / 126	0.15	0.15	0.15	0.15	0.13	0.11	0.098	0.12
Beam Angle 8.0°								
D (m) / Φ (m)				Center Beam Illuminance (lx)				
30 / 4.3	120	120	120	120	110	95	83	100
50 / 7.2	44	44	44	44	40	34	30	37
100 / 14	11	11	11	11	9.9	8.6	7.5	9.3
500 / 72	0.44	0.44	0.44	0.44	0.40	0.34	0.30	0.37
1000 / 143	0.11	0.11	0.11	0.11	0.099	0.086	0.075	0.093
Beam Angle 9.0°								
D(m) / Φ (m)				Center Beam Illuminance (lx)				
30 / 4.5	100	100	100	100	92	79	69	86
50 / 7.5	37	37	37	37	33	28	25	31
100 / 15	9.2	9.2	9.2	9.2	8.3	7.1	6.2	7.7
500 / 75	0.37	0.37	0.37	0.37	0.33	0.28	0.25	0.31
1000 / 150	0.092	0.092	0.092	0.092	0.083	0.071	0.062	0.077
Beam Angle 10°								
D (m) / Φ (m)				Center Beam Illuminance (lx) [ON/OFF] / [Dimmable]				
30 / 4.6	210 / 180	210 / 180	210 / 180	210 / 180	170 / 150	170 / 150	140 / 120	190 / 170
50 / 7.7	76 / 66	76 / 66	76 / 66	76 / 66	63 / 55	63 / 55	50 / 44	69 / 61
100 / 15	19 / 17	19 / 17	19 / 17	19 / 17	16 / 14	16 / 14	13 / 11	17 / 15
500 / 77	0.76 / 0.66	0.76 / 0.66	0.76 / 0.66	0.76 / 0.66	0.63 / 0.55	0.63 / 0.55	0.50 / 0.44	0.69 / 0.61
1000 / 154	0.19 / 0.17	0.19 / 0.17	0.19 / 0.17	0.19 / 0.17	0.16 / 0.14	0.16 / 0.14	0.13 / 0.11	0.17 / 0.15
Beam Angle 20°								
D (m) / Φ (m)				Center Beam Illuminance (lx) [ON/OFF] / [Dimmable]				
30 / 9.5	76 / 67	76 / 67	76 / 67	76 / 67	64 / 56	64 / 56	51 / 45	70 / 61
50 / 16	27 / 24	27 / 24	27 / 24	27 / 24	23 / 20	23 / 20	18 / 16	25 / 22
100 / 32	6.9 / 6.0	6.9 / 6.0	6.9 / 6.0	6.9 / 6.0	5.7 / 5.0	5.7 / 5.0	4.6 / 4.0	6.3 / 5.5
500 / 158	0.27 / 0.24	0.27 / 0.24	0.27 / 0.24	0.27 / 0.24	0.23 / 0.20	0.23 / 0.20	0.18 / 0.16	0.25 / 0.22
1000 / 317	0.069 / 0.060	0.069 / 0.060	0.069 / 0.060	0.069 / 0.060	0.057 / 0.050	0.057 / 0.050	0.046 / 0.040	0.063 / 0.055
Beam Angle 30°								
D (m) / Φ (m)				Center Beam Illuminance (lx) [ON/OFF] / [Dimmable]				
30 / 15	33 / 29	33 / 29	33 / 29	33 / 29	28 / 24	28 / 24	22 / 20	31 / 27
50 / 24	12 / 11	12 / 11	12 / 11	12 / 11	10 / 8.8	10 / 8.8	8.0 / 7.0	11 / 9.7
100 / 48	3.0 / 2.6	3.0 / 2.6	3.0 / 2.6	3.0 / 2.6	2.5 / 2.2	2.5 / 2.2	2.0 / 1.8	2.8 / 2.4
500 / 242	0.12 / 0.11	0.12 / 0.11	0.12 / 0.11	0.12 / 0.11	0.10 / 0.088	0.10 / 0.088	0.080 / 0.070	0.11 / 0.097
1000 / 484	0.030 / 0.026	0.030 / 0.026	0.030 / 0.026	0.030 / 0.026	0.025 / 0.022	0.025 / 0.022	0.020 / 0.018	0.028 / 0.024
Beam Angle 50°								
D (m) / Φ (m)				Center Beam Illuminance (lx) [ON/OFF] / [Dimmable]				
30 / 31	12 / 10	12 / 10	12 / 10	12 / 10	9.9 / 8.7	9.9 / 8.7	8.0 / 7.0	11 / 9.6
50 / 51	4.3 / 3.8	4.3 / 3.8	4.3 / 3.8	4.3 / 3.8	3.6 / 3.1	3.6 / 3.1	2.9 / 2.5	3.9 / 3.5
100 / 102	1.1 / 0.94	1.1 / 0.94	1.1 / 0.94	1.1 / 0.94	0.90 / 0.79	0.90 / 0.79	0.72 / 0.63	0.99 / 0.86
500 / 512	0.043 / 0.038	0.043 / 0.038	0.043 / 0.038	0.043 / 0.038	0.036 / 0.031	0.036 / 0.031	0.029 / 0.025	0.039 / 0.035
100000 / 1023	0.011 / 0.009	0.011 / 0.009	0.011 / 0.009	0.011 / 0.009	0.009 / 0.008	0.009 / 0.008	0.007 / 0.006	0.010 / 0.009

D (m) = Distance / Φ (m) = 1/2 Illuminance Beam

※Values in this catalog are for reference only and are not guaranteed.

■**Narrow-angle type** LLF0111A / LWWD035 / □□ / □ / □□ / S / BK / S / C / CE / 1
(Product Name / Control Name / Light Source Code / Color rendering / Light Distribution Angle / a / b / c / d / e / f)

■**Medium-angle type** LLF0111A / LWWD056 / □□ / □ / □□ / S / BK / S / C / CE / 1
(Product Name / Control Name / Light Source Code / Color rendering / Light Distribution Angle / a / b / c / d / e / f)

a : Installed type [S] = Standard installation
b : Body color [BK] = Charcoal grey
c : Control [S] = ON/OFF Control
d : Painting specification [C] = Heavy-duty salt resistance
e : Standard [CE] = CE/PSE
Standard [TS] = TIS
Standard [UL] = UL/cUL
※Medium-angle type 2200K conforms only to PSE.
f : Ver. [1] = Version 1

※The Part No. in the table below only indicates the light source color, color rendering and light distribution angle.

ON/OFF type

Specification		6500K	5700K	5000K	4000K	3000K	2700K	2200K	Gold
■Narrow-angle type									
1/2 Beam angle 1.5°	Part No.	—	—	50/T/XN	—	—	—	—	—
	Center luminous intensity (cd)	—	—	1,790,000	—	—	—	—	—
	Rated luminous flux (lm)	—	—	1,270	—	—	—	—	—
	Power consumption (W)	—	—	32.5	—	—	—	—	—
1/2 Beam angle 2.5°	Part No.	65/X/VN	57/X/VN	50/X/VN	40/X/VN	30/X/VN	27/X/VN	22/X/VN	YE/N/VN
	Center luminous intensity (cd)	1,230,000	1,230,000	1,230,000	1,230,000	1,100,000	937,000	820,000	1,020,000
	Rated luminous flux (lm)	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W)	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
1/2 Beam angle 3°	Part No.	65/X/03	57/X/03	50/X/03	40/X/03	30/X/03	27/X/03	22/X/03	YE/N/03
	Center luminous intensity (cd)	870,000	870,000	870,000	870,000	783,000	664,000	581,000	726,000
	Rated luminous flux (lm)	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W)	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
1/2 Beam angle 4°	Part No.	65/X/04	57/X/04	50/X/04	40/X/04	30/X/04	27/X/04	22/X/04	YE/N/04
	Center luminous intensity (cd)	470,000	470,000	470,000	470,000	423,000	359,000	314,000	392,000
	Rated luminous flux (lm)	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W)	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
1/2 Beam angle 5°	Part No.	65/X/05	57/X/05	50/X/05	40/X/05	30/X/05	27/X/05	22/X/05	YE/N/05
	Center luminous intensity (cd)	269,000	269,000	269,000	269,000	242,000	205,000	179,000	224,000
	Rated luminous flux (lm)	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W)	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
1/2 Beam angle 6°	Part No.	65/X/06	57/X/06	50/X/06	40/X/06	30/X/06	27/X/06	22/X/06	YE/N/06
	Center luminous intensity (cd)	196,000	196,000	196,000	196,000	177,000	150,000	131,000	164,000
	Rated luminous flux (lm)	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W)	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
1/2 Beam angle 7°	Part No.	65/X/07	57/X/07	50/X/07	40/X/07	30/X/07	27/X/07	22/X/07	YE/N/07
	Center luminous intensity (cd)	149,000	149,000	149,000	149,000	134,000	114,000	99,800	125,000
	Rated luminous flux (lm)	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W)	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
1/2 Beam angle 8°	Part No.	65/X/08	57/X/08	50/X/08	40/X/08	30/X/08	27/X/08	22/X/08	YE/N/08
	Center luminous intensity (cd)	113,000	113,000	113,000	113,000	102,000	86,600	75,800	94,600
	Rated luminous flux (lm)	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W)	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
1/2 Beam angle 9°	Part No.	65/X/09	57/X/09	50/X/09	40/X/09	30/X/09	27/X/09	22/X/09	YE/N/09
	Center luminous intensity (cd)	94,200	94,200	94,200	94,200	84,800	71,900	62,900	78,500
	Rated luminous flux (lm)	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W)	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
■Medium-angle type									
1/2 Beam angle 10°	Part No.	65/X/10	57/X/10	50/X/10	40/X/10	30/X/10	27/X/10	22/X/10	YE/N/10
	Center luminous intensity (cd)	189,000	189,000	189,000	189,000	157,000	157,000	126,000	173,000
	Rated luminous flux (lm)	4,840	4,840	4,840	4,840	4,030	4,030	3,230	4,430
	Power consumption (W)	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
1/2 Beam angle 20°	Part No.	65/X/20	57/X/20	50/X/20	40/X/20	30/X/20	27/X/20	22/X/20	YE/N/20
	Center luminous intensity (cd)	68,600	68,600	68,600	68,600	57,200	57,200	45,700	62,900
	Rated luminous flux (lm)	4,840	4,840	4,840	4,840	4,030	4,030	3,230	4,430
	Power consumption (W)	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
1/2 Beam angle 30°	Part No.	65/X/30	57/X/30	50/X/30	40/X/30	30/X/30	27/X/30	22/X/30	YE/N/30
	Center luminous intensity (cd)	30,100	30,100	30,100	30,100	25,000	25,000	20,000	27,600
	Rated luminous flux (lm)	4,840	4,840	4,840	4,840	4,030	4,030	3,230	4,430
	Power consumption (W)	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
NEW 1/2 Beam angle 50°	Part No.	65/X/50	57/X/50	50/X/50	40/X/50	30/X/50	27/X/50	22/X/50	YE/N/50
	Center luminous intensity (cd)	10,700	10,700	10,700	10,700	8,950	8,950	7,160	9,850
	Rated luminous flux (lm)	4,840	4,840	4,840	4,840	4,030	4,030	3,230	4,430
	Power consumption (W)	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7

Power consumptions under condition of AC 100 V. ※Values in this catalog are for reference only and are not guaranteed.

■**Narrow-angle type** LLF0111A / LWWD035 / □□ / □ / □□ / S / BK / □ / C / CE / 1
(Product Name / Control Name / Light Source Code / Color rendering / Light Distribution Angle / a / b / c / d / e / f)

■**Medium-angle type** LLF0111A / LWWD056 / □□ / □ / □□ / S / BK / □ / C / CE / 1
(Product Name / Control Name / Light Source Code / Color rendering / Light Distribution Angle / a / b / c / d / e / f)

a : Installed type [S] = Standard installation
b : Body color [BK] = Charcoal grey
c : Control [C] = DALI dimming (Curve: Log)
Control [F] = DALI dimming (Curve: Linear)
Control [D] = DMX dimming (Curve: Log)
Control [G] = DMX dimming (Curve: Linear)
d : Painting specification [C] = Heavy-duty salt resistance
e : Standard [CE] = CE/PSE
Standard [TS] = TIS
Standard [UL] = UL/cUL (DMX only)
※Medium-angle type 2200K conforms only to PSE.
f : Ver. [1] = Version 1

※The Part No. in the table below only indicates the light source color, color rendering and light distribution angle.

Dimmable type

Specification		6500K	5700K	5000K	4000K	3000K	2700K	2200K	Gold
■Narrow-angle type									
1/2 Beam angle 2.5°	Part No.	65/X/VN	57/X/VN	50/X/VN	40/X/VN	30/X/VN	27/X/VN	22/X/VN	YE/N/VN
	Center luminous intensity (cd)	1,230,000	1,230,000	1,230,000	1,230,000	1,100,000	937,000	820,000	1,020,000
	Rated luminous flux	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W) DALI dimming	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
	Power consumption (W) DMX dimming	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
1/2 Beam angle 3°	Part No.	65/X/03	57/X/03	50/X/03	40/X/03	30/X/03	27/X/03	22/X/03	YE/N/03
	Center luminous intensity (cd)	870,000	870,000	870,000	870,000	783,000	664,000	581,000	726,000
	Rated luminous flux	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W) DALI dimming	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
	Power consumption (W) DMX dimming	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
1/2 Beam angle 4°	Part No.	65/X/04	57/X/04	50/X/04	40/X/04	30/X/04	27/X/04	22/X/04	YE/N/04
	Center luminous intensity (cd)	470,000	470,000	470,000	470,000	423,000	359,000	314,000	392,000
	Rated luminous flux	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W) DALI dimming	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
	Power consumption (W) DMX dimming	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
1/2 Beam angle 5°	Part No.	65/X/05	57/X/05	50/X/05	40/X/05	30/X/05	27/X/05	22/X/05	YE/N/05
	Center luminous intensity (cd)	269,000	269,000	269,000	269,000	242,000	205,000	179,000	224,000
	Rated luminous flux	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W) DALI dimming	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
	Power consumption (W) DMX dimming	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
1/2 Beam angle 6°	Part No.	65/X/06	57/X/06	50/X/06	40/X/06	30/X/06	27/X/06	22/X/06	YE/N/06
	Center luminous intensity (cd)	196,000	196,000	196,000	196,000	177,000	150,000	131,000	164,000
	Rated luminous flux	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W) DALI dimming	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
	Power consumption (W) DMX dimming	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
1/2 Beam angle 7°	Part No.	65/X/07	57/X/07	50/X/07	40/X/07	30/X/07	27/X/07	22/X/07	YE/N/07
	Center luminous intensity (cd)	149,000	149,000	149,000	149,000	134,000	114,000	99,800	125,000
	Rated luminous flux	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W) DALI dimming	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
	Power consumption (W) DMX dimming	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
1/2 Beam angle 8°	Part No.	65/X/08	57/X/08	50/X/08	40/X/08	30/X/08	27/X/08	22/X/08	YE/N/08
	Center luminous intensity (cd)	113,000	113,000	113,000	113,000	102,000	86,600	75,800	94,600
	Rated luminous flux	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W) DALI dimming	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
	Power consumption (W) DMX dimming	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
1/2 Beam angle 9°	Part No.	65/X/09	57/X/09	50/X/09	40/X/09	30/X/09	27/X/09	22/X/09	YE/N/09
	Center luminous intensity (cd)	94,200	94,200	94,200	94,200	84,800	71,900	62,900	78,500
	Rated luminous flux	1,700	1,700	1,700	1,700	1,530	1,400	1,220	1,600
	Power consumption (W) DALI dimming	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
	Power consumption (W) DMX dimming	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
■Medium-angle type									
1/2 Beam angle 10°	Part No.	65/X/10	57/X/10	50/X/10	40/X/10	30/X/10	27/X/10	22/X/10	YE/N/10
	Center luminous intensity (cd)	166,000	166,000	166,000	166,000	138,000	138,000	110,000	152,000
	Rated luminous flux	4,240	4,240	4,240	4,240	3,540	3,540	2,830	3,890
	Power consumption (W) DALI dimming	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
	Power consumption (W) DMX dimming	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
1/2 Beam angle 20°	Part No.	65/X/20	57/X/20	50/X/20	40/X/20	30/X/20	27/X/20	22/X/20	YE/N/20
	Center luminous intensity (cd)	60,200	60,200	60,200	60,200	50,200	50,200	40,100	55,200
	Rated luminous flux	4,240	4,240	4,240	4,240	3,540	3,540	2,830	3,890
	Power consumption (W) DALI dimming	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
	Power consumption (W) DMX dimming	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
1/2 Beam angle 30°	Part No.	65/X/30	57/X/30	50/X/30	40/X/30	30/X/30	27/X/30	22/X/30	YE/N/30
	Center luminous intensity (cd)	26,400	26,400	26,400	26,400	22,000	22,000	17,600	24,200
	Rated luminous flux	4,240	4,240	4,240	4,240	3,540	3,540	2,830	3,890
	Power consumption (W) DALI dimming	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
	Power consumption (W) DMX dimming	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
NEW 1/2 Beam angle 50°	Part No.	65/X/50	57/X/50	50/X/50	40/X/50	30/X/50	27/X/50	22/X/50	YE/N/50
	Center luminous intensity (cd)	9,420	9,420	9,420	9,420	7,850	7,850	6,280	8,640
	Rated luminous flux	4,240	4,240	4,240	4,240	3,540	3,540	2,830	3,890
	Power consumption (W) DALI dimming	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
	Power consumption (W) DMX dimming	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3

Power consumptions under condition of AC 100 V. ※Values in this catalog are for reference only and are not guaranteed.

LEDSFOCUS PRO **LLF0112A**

Heat resistance

Vibration resistance 1G

Noise resistance

UV resistance

Heavy salt resistance

High waterproof IP66

Specifiction

Body: Aluminum die casting
Front cover: Polycarbonate
Secondary lens: Acrylic
Rated Voltage: AC 100–240V
Ambient temperature:
-20–50 °C (Narrow angle ON/OFF type)
-25–50 °C (Narrow angle Dimmable type / Medium angle)
Waterproof and dustproof: IP66
Light source life: 50,000 hours
(lumen maintenance factor 70%)
Power supply: Built in
Weight: Narrow-angle type (1.5–9°) 3.5 kg
[Dimmable type 3.7 kg]
Medium-angle type (10–50°) 4.2 kg
[Dimmable type 4.3 kg]

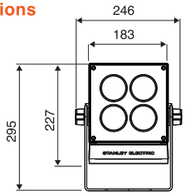
ON/OFF type	Rated luminous flux	Power consumption
Ultra narrow-angle (1.5°)	565 lm	16.0W
Narrow-angle (2.5–9°)	544–757 lm	16.9W
Medium-angle (10–50°)	1,570–2,350 lm	28.3W

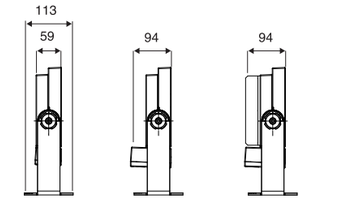
Dimmable type	Rated luminous flux	Power consumption
Narrow-angle (2.5–9°)	544–757 lm	16.9–17.8W
Medium-angle (10–50°)	1,570–2,350 lm	28.7–29.8W

Power consumption is at AC 100 V

Dimensions

Unit: mm





Narrow-angle (ON/OFF) | Narrow-angle (Dimmable) | Medium-angle (ON/OFF, Dimmable)

Narrow-angle (ON/OFF) | Narrow-angle (Dimmable) | Medium-angle (ON/OFF, Dimmable)

Color

Charcoal grey
(Standard color)

Option

Spread lens

Louver

Illumination range	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Gold
Beam Angle 1.5°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
10 / 0.28	—	—	7,300	—	—	—	—	—
30 / 0.84	—	—	810	—	—	—	—	—
50 / 1.4	—	—	290	—	—	—	—	—
100 / 2.8	—	—	73	—	—	—	—	—
250 / 7.0	—	—	12	—	—	—	—	—
Beam Angle 2.5°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
10 / 0.38	5,200	5,200	5,200	5,200	4,700	4,000	3,500	4,200
30 / 1.2	580	580	580	580	520	450	390	470
50 / 1.9	210	210	210	210	190	160	140	170
100 / 3.8	52	52	52	52	47	40	35	42
250 / 9.6	8.3	8.3	8.3	8.3	7.5	6.4	5.6	6.7
Beam Angle 3.0°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
10 / 0.45	3,600	3,600	3,600	3,600	3,200	2,800	2,500	3,000
30 / 1.4	400	400	400	400	360	310	270	330
50 / 2.3	140	140	140	140	130	110	98	120
100 / 4.5	36	36	36	36	32	28	25	30
250 / 11	5.7	5.7	5.7	5.7	5.1	4.5	3.9	4.8
Beam Angle 4.0°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
10 / 0.66	1,900	1,900	1,900	1,900	1,700	1,500	1,300	1,600
30 / 2.0	210	210	210	210	190	160	140	170
50 / 3.3	75	75	75	75	68	58	51	62
100 / 6.6	19	19	19	19	17	15	13	16
250 / 17	3.0	3.0	3.0	3.0	2.7	2.3	2.0	2.5

D (m) = Distance / Φ (m) = 1/2 Illuminance Beam

※Values in this catalog are for reference only and are not guaranteed.

Illumination range	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Gold
Beam Angle 5.0°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
10 / 0.91	1,100	1,100	1,100	1,100	970	830	720	900
30 / 2.7	120	120	120	120	110	92	80	99
50 / 4.5	43	43	43	43	39	33	29	36
100 / 9.1	11	11	11	11	9.7	8.3	7.2	9.0
250 / 23	1.7	1.7	1.7	1.7	1.5	1.3	1.2	1.4
Beam Angle 6.0°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
10 / 1.1	780	780	780	780	710	610	530	660
30 / 3.2	87	87	87	87	78	67	59	73
50 / 5.4	31	31	31	31	28	24	21	26
100 / 11	7.8	7.8	7.8	7.8	7.1	6.1	5.3	6.6
250 / 27	1.3	1.3	1.3	1.3	1.1	0.97	0.85	1.0
Beam Angle 7.0°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
10 / 1.3	600	600	600	600	540	460	400	500
30 / 3.8	66	66	66	66	60	51	45	56
50 / 6.3	24	24	24	24	21	18	16	20
100 / 13	6.0	6.0	6.0	6.0	5.4	4.6	4.0	5.0
250 / 31	0.96	0.96	0.96	0.96	0.86	0.74	0.64	0.80
Beam Angle 8.0°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
10 / 1.4	450	450	450	450	410	350	300	380
30 / 4.3	50	50	50	50	45	38	34	42
50 / 7.2	18	18	18	18	16	14	12	15
100 / 14	4.5	4.5	4.5	4.5	4.1	3.5	3.0	3.8
250 / 36	0.72	0.72	0.72	0.72	0.65	0.55	0.48	0.60
Beam Angle 9.0°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
10 / 1.5	370	370	370	370	330	290	250	310
30 / 4.5	41	41	41	41	37	32	28	35
50 / 7.5	15	15	15	15	13	11	10	13
100 / 15	3.7	3.7	3.7	3.7	3.3	2.9	2.5	3.1
250 / 38	0.59	0.59	0.59	0.59	0.53	0.46	0.40	0.50
Beam Angle 10°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
10 / 1.6	920	920	920	920	770	770	610	840
30 / 4.7	100	100	100	100	85	85	68	94
50 / 7.9	37	37	37	37	31	31	24	34
100 / 16	9.2	9.2	9.2	9.2	7.7	7.7	6.1	8.4
250 / 39	1.5	1.5	1.5	1.5	1.2	1.2	0.98	1.3
Beam Angle 20°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
10 / 3.2	340	340	340	340	280	280	230	310
30 / 9.5	37	37	37	37	31	31	25	34
50 / 16	13	13	13	13	11	11	9.0	12
100 / 32	3.4	3.4	3.4	3.4	2.8	2.8	2.3	3.1
250 / 79	0.54	0.54	0.54	0.54	0.45	0.45	0.36	0.49
Beam Angle 30°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
10 / 4.8	150	150	150	150	120	120	98	130
30 / 15	16	16	16	16	14	14	11	15
50 / 24	5.8	5.8	5.8	5.8	4.9	4.9	3.9	5.4
100 / 48	1.5	1.5	1.5	1.5	1.2	1.2	0.98	1.3
250 / 121	0.23	0.23	0.23	0.23	0.20	0.20	0.16	0.21
Beam Angle 50°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
10 / 10	53	53	53	53	44	44	35	48
30 / 31	5.8	5.8	5.8	5.8	4.9	4.9	3.9	5.4
50 / 51	2.1	2.1	2.1	2.1	1.8	1.8	1.4	1.9
100 / 102	0.53	0.53	0.53	0.53	0.44	0.44	0.35	0.48
250 / 256	0.084	0.084	0.084	0.084	0.070	0.070	0.056	0.077

D (m) = Distance / Φ (m) = 1/2 Illuminance Beam

※Values in this catalog are for reference only and are not guaranteed.

Narrow-angle type LLF0112A / MWWD017 / □□ / □ / □□ / S / BK / S / C / CE / 1
(Product Name / Control Name / Light Source Code / Color rendering / Light Distribution Angle / a / b / c / d / e / f)

Medium-angle type LLF0112A / MWWD028 / □□ / □ / □□ / S / BK / S / C / CE / 1
(Product Name / Control Name / Light Source Code / Color rendering / Light Distribution Angle / a / b / c / d / e / f)

a : Installed type [S] = Standard installation
b : Body color [BK] = Charcoal grey
c : Control [S] = ON/OFF Control
d : Painting specification [C] = Heavy-duty salt resistance
e : Standard [CE] = CE/PSE
Standard [TS] = TIS
Standard [UL] = UL/cUL
※Medium-angle type 2200K conforms only to PSE.
f : Ver. [1] = Version 1

※The Part No. in the table below only indicates the light source color, color rendering and light distribution angle.

ON/OFF type

Specification		6500K	5700K	5000K	4000K	3000K	2700K	2200K	Gold
Narrow-angle type									
1/2 Beam angle 1.5°	Part No.	—	—	50/T/XN	—	—	—	—	—
	Center luminous intensity (cd)	—	—	797,000	—	—	—	—	—
	Rated luminous flux (lm)	—	—	565	—	—	—	—	—
	Power consumption (W)	—	—	16.0	—	—	—	—	—
1/2 Beam angle 2.5°	Part No.	65/X/VN	57/X/VN	50/X/VN	40/X/VN	30/X/VN	27/X/VN	22/X/VN	YE/N/VN
	Center luminous intensity (cd)	546,000	546,000	546,000	546,000	491,000	417,000	364,000	455,000
	Rated luminous flux (lm)	757	757	757	757	681	622	544	710
	Power consumption (W)	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
1/2 Beam angle 3°	Part No.	65/X/03	57/X/03	50/X/03	40/X/03	30/X/03	27/X/03	22/X/03	YE/N/03
	Center luminous intensity (cd)	372,000	372,000	372,000	372,000	335,000	284,000	248,000	310,000
	Rated luminous flux (lm)	757	757	757	757	681	622	544	710
	Power consumption (W)	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
1/2 Beam angle 4°	Part No.	65/X/04	57/X/04	50/X/04	40/X/04	30/X/04	27/X/04	22/X/04	YE/N/04
	Center luminous intensity (cd)	193,000	193,000	193,000	193,000	174,000	147,000	129,000	161,000
	Rated luminous flux (lm)	757	757	757	757	681	622	544	710
	Power consumption (W)	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
1/2 Beam angle 5°	Part No.	65/X/05	57/X/05	50/X/05	40/X/05	30/X/05	27/X/05	22/X/05	YE/N/05
	Center luminous intensity (cd)	109,000	109,000	109,000	109,000	97,900	83,100	72,700	90,800
	Rated luminous flux (lm)	757	757	757	757	681	622	544	710
	Power consumption (W)	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
1/2 Beam angle 6°	Part No.	65/X/06	57/X/06	50/X/06	40/X/06	30/X/06	27/X/06	22/X/06	YE/N/06
	Center luminous intensity (cd)	79,600	79,600	79,600	79,600	71,600	60,700	53,200	66,400
	Rated luminous flux (lm)	757	757	757	757	681	622	544	710
	Power consumption (W)	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
1/2 Beam angle 7°	Part No.	65/X/07	57/X/07	50/X/07	40/X/07	30/X/07	27/X/07	22/X/07	YE/N/07
	Center luminous intensity (cd)	60,600	60,600	60,600	60,600	54,500	46,300	40,500	50,500
	Rated luminous flux (lm)	757	757	757	757	681	622	544	710
	Power consumption (W)	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
1/2 Beam angle 8°	Part No.	65/X/08	57/X/08	50/X/08	40/X/08	30/X/08	27/X/08	22/X/08	YE/N/08
	Center luminous intensity (cd)	45,500	45,500	45,500	45,500	40,900	34,700	30,400	37,900
	Rated luminous flux (lm)	757	757	757	757	681	622	544	710
	Power consumption (W)	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
1/2 Beam angle 9°	Part No.	65/X/09	57/X/09	50/X/09	40/X/09	30/X/09	27/X/09	22/X/09	YE/N/09
	Center luminous intensity (cd)	37,700	37,700	37,700	37,700	33,900	28,800	25,200	31,400
	Rated luminous flux (lm)	757	757	757	757	681	622	544	710
	Power consumption (W)	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
Medium-angle type									
1/2 Beam angle 10°	Part No.	65/X/10	57/X/10	50/X/10	40/X/10	30/X/10	27/X/10	22/X/10	YE/N/10
	Center luminous intensity (cd)	91,800	91,800	91,800	91,800	76,500	76,500	61,200	84,200
	Rated luminous flux (lm)	2,350	2,350	2,350	2,350	1,960	1,960	1,570	2,160
	Power consumption (W)	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
1/2 Beam angle 20°	Part No.	65/X/20	57/X/20	50/X/20	40/X/20	30/X/20	27/X/20	22/X/20	YE/N/20
	Center luminous intensity (cd)	33,700	33,700	33,700	33,700	28,100	28,100	22,500	30,900
	Rated luminous flux (lm)	2,350	2,350	2,350	2,350	1,960	1,960	1,570	2,160
	Power consumption (W)	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
1/2 Beam angle 30°	Part No.	65/X/30	57/X/30	50/X/30	40/X/30	30/X/30	27/X/30	22/X/30	YE/N/30
	Center luminous intensity (cd)	14,600	14,600	14,600	14,600	12,200	12,200	9,760	13,400
	Rated luminous flux (lm)	2,350	2,350	2,350	2,350	1,960	1,960	1,570	2,160
	Power consumption (W)	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
NEW 1/2 Beam angle 50°	Part No.	65/X/50	57/X/50	50/X/50	40/X/50	30/X/50	27/X/50	22/X/50	YE/N/50
	Center luminous intensity (cd)	5,260	5,260	5,260	5,260	4,380	4,380	3,510	4,820
	Rated luminous flux (lm)	2,350	2,350	2,350	2,350	1,960	1,960	1,570	2,160
	Power consumption (W)	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3

Power consumptions under condition of AC 100 V. ※Values in this catalog are for reference only and are not guaranteed.

Narrow-angle type LLF0112A / MWWD017 / □□ / □ / □□ / S / BK / □ / C / CE / 1
(Product Name / Control Name / Light Source Code / Color rendering / Light Distribution Angle / a / b / c / d / e / f)

Medium-angle type LLF0112A / MWWD028 / □□ / □ / □□ / S / BK / □ / C / CE / 1
(Product Name / Control Name / Light Source Code / Color rendering / Light Distribution Angle / a / b / c / d / e / f)

a : Installed type [S] = Standard installation
b : Body color [BK] = Charcoal grey
c : Control [C] = DALI dimming (Curve: Log)
Control [F] = DALI dimming (Curve: Linear)
Control [D] = DMX dimming (Curve: Log)
Control [G] = DMX dimming (Curve: Linear)
d : Painting specification [C] = Heavy-duty salt resistance
e : Standard [CE] = CE/PSE
Standard [TS] = TIS
Standard [UL] = UL/cUL (DMX only)
※Medium-angle type 2200K conforms only to PSE.
f : Ver. [1] = Version 1

※The Part No. in the table below only indicates the light source color, color rendering and light distribution angle.

Dimmable type

Specification			6500K	5700K	5000K	4000K	3000K	2700K	2200K	Gold
Narrow-angle type										
1/2 Beam angle 2.5°	Part No.		65/X/VN	57/X/VN	50/X/VN	40/X/VN	30/X/VN	27/X/VN	22/X/VN	YE/N/VN
	Center luminous intensity (cd)		546,000	546,000	546,000	546,000	491,000	417,000	364,000	455,000
	Rated luminous flux		757	757	757	757	681	622	544	710
	Power consumption (W)	DALI dimming	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
		DMX dimming	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
1/2 Beam angle 3°	Part No.		65/X/03	57/X/03	50/X/03	40/X/03	30/X/03	27/X/03	22/X/03	YE/N/03
	Center luminous intensity (cd)		372,000	372,000	372,000	372,000	335,000	284,000	248,000	310,000
	Rated luminous flux		757	757	757	757	681	622	544	710
	Power consumption (W)	DALI dimming	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
		DMX dimming	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
1/2 Beam angle 4°	Part No.		65/X/04	57/X/04	50/X/04	40/X/04	30/X/04	27/X/04	22/X/04	YE/N/04
	Center luminous intensity (cd)		193,000	193,000	193,000	193,000	174,000	147,000	129,000	161,000
	Rated luminous flux		757	757	757	757	681	622	544	710
	Power consumption (W)	DALI dimming	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
		DMX dimming	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
1/2 Beam angle 5°	Part No.		65/X/05	57/X/05	50/X/05	40/X/05	30/X/05	27/X/05	22/X/05	YE/N/05
	Center luminous intensity (cd)		109,000	109,000	109,000	109,000	97,900	83,100	72,700	90,800
	Rated luminous flux		757	757	757	757	681	622	544	710
	Power consumption (W)	DALI dimming	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
		DMX dimming	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
1/2 Beam angle 6°	Part No.		65/X/06	57/X/06	50/X/06	40/X/06	30/X/06	27/X/06	22/X/06	YE/N/06
	Center luminous intensity (cd)		79,600	79,600	79,600	79,600	71,600	60,700	53,200	66,400
	Rated luminous flux		757	757	757	757	681	622	544	710
	Power consumption (W)	DALI dimming	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
		DMX dimming	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
1/2 Beam angle 7°	Part No.		65/X/07	57/X/07	50/X/07	40/X/07	30/X/07	27/X/07	22/X/07	YE/N/07
	Center luminous intensity (cd)		60,600	60,600	60,600	60,600	54,500	46,300	40,500	50,500
	Rated luminous flux		757	757	757	757	681	622	544	710
	Power consumption (W)	DALI dimming	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
		DMX dimming	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
1/2 Beam angle 8°	Part No.		65/X/08	57/X/08	50/X/08	40/X/08	30/X/08	27/X/08	22/X/08	YE/N/08
	Center luminous intensity (cd)		45,500	45,500	45,500	45,500	40,900	34,700	30,400	37,900
	Rated luminous flux		757	757	757	757	681	622	544	710
	Power consumption (W)	DALI dimming	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
		DMX dimming	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
1/2 Beam angle 9°	Part No.		65/X/09	57/X/09	50/X/09	40/X/09	30/X/09	27/X/09	22/X/09	YE/N/09
	Center luminous intensity (cd)		37,700	37,700	37,700	37,700	33,900	28,800	25,200	31,400
	Rated luminous flux		757	757	757	757	681	622	544	710
	Power consumption (W)	DALI dimming	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
		DMX dimming	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
Medium-angle type										
1/2 Beam angle 10°	Part No.		65/X/10	57/X/10	50/X/10	40/X/10	30/X/10	27/X/10	22/X/10	YE/N/10
	Center luminous intensity (cd)		91,800	91,800	91,800	91,800	76,500	76,500	61,200	84,200
	Rated luminous flux		2,350	2,350	2,350	2,350	1,960	1,960	1,570	2,160
	Power consumption (W)	DALI dimming	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
		DMX dimming	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
1/2 Beam angle 20°	Part No.		65/X/20	57/X/20	50/X/20	40/X/20	30/X/20	27/X/20	22/X/20	YE/N/20
	Center luminous intensity (cd)		33,700	33,700	33,700	33,700	28,100	28,100	22,500	30,900
	Rated luminous flux		2,350	2,350	2,350	2,350	1,960	1,960	1,570	2,160
	Power consumption (W)	DALI dimming	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
		DMX dimming	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
1/2 Beam angle 30°	Part No.		65/X/30	57/X/30	50/X/30	40/X/30	30/X/30	27/X/30	22/X/30	YE/N/30
	Center luminous intensity (cd)		14,600	14,600	14,600	14,600	12,200	12,200	9,760	13,400
	Rated luminous flux		2,350	2,350	2,350	2,350	1,960	1,960	1,570	2,160
	Power consumption (W)	DALI dimming	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
		DMX dimming	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
NEW 1/2 Beam angle 50°	Part No.		65/X/50	57/X/50	50/X/50	40/X/50	30/X/50	27/X/50	22/X/50	YE/N/50
	Center luminous intensity (cd)		5,260	5,260	5,260	5,260	4,380	4,380	3,510	4,820
	Rated luminous flux		2,350	2,350	2,350	2,350	1,960	1,960	1,570	2,160
	Power consumption (W)	DALI dimming	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
		DMX dimming	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8

Power consumptions under condition of AC 100 V. ※Values in this catalog are for reference only and are not guaranteed.

LEDSFOCUS PRO **LLF0113A**

Heat resistance

VIbration resistance 1G

Noise resistance

UV resistance

Heavy salt resistance

High waterproof IP66

Specifiction

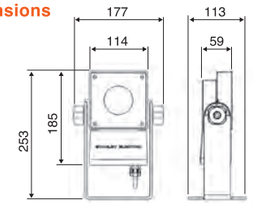
Body: Aluminum die casting
Front cover: Polycarbonate
Secondary lens: Acrylic
Rated Voltage: AC 100–240V
Ambient temperature: -25–50 °C
Waterproof and dustproof: IP66
Light source life: 50,000 hours (lumen maintenance factor 70%)
Power supply: Built in
Weight: 2.5 kg

ON/OFF type	Rated luminous flux	Power consumption
Ultra narrow-angle (1.5°)	139 lm	6.60 W
Narrow-angle (2.5–9°)	106–158 lm	7.10 W
Medium-angle (10–50°)	349–524 lm	10.0 W

Power consumption is at AC 100 V

Dimensions

Unit: mm

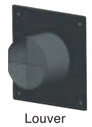


Color

Charcoal grey (Standard color)

Option

Spread lens



Louver

Illumination range	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Gold
Beam Angle 1.5°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
5 / 0.14	—	—	7,800	—	—	—	—	—
10 / 0.28	—	—	2,000	—	—	—	—	—
30 / 0.84	—	—	220	—	—	—	—	—
50 / 1.4	—	—	78	—	—	—	—	—
100 / 2.8	—	—	20	—	—	—	—	—
Beam Angle 2.5°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
5 / 0.19	4,400	4,400	4,400	4,400	4,000	3,100	2,700	3,200
10 / 0.38	1,100	1,100	1,100	1,100	990	790	690	790
30 / 1.2	120	120	120	120	110	87	76	88
50 / 1.9	44	44	44	44	40	31	27	32
100 / 3.8	11	11	11	11	9.9	7.9	6.9	7.9
Beam Angle 3.0°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
5 / 0.23	3,000	3,000	3,000	3,000	2,700	2,100	1,800	2,100
10 / 0.45	740	740	740	740	670	530	460	530
30 / 1.4	82	82	82	82	74	59	51	59
50 / 2.3	30	30	30	30	27	21	18	21
100 / 4.5	7.4	7.4	7.4	7.4	6.7	5.3	4.6	5.3
Beam Angle 4.0°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
5 / 0.33	1,500	1,500	1,500	1,500	1,400	1,100	940	1,100
10 / 0.66	380	380	380	380	340	270	240	270
30 / 2.0	42	42	42	42	38	30	26	30
50 / 3.3	15	15	15	15	14	11	9.4	11
100 / 6.6	3.8	3.8	3.8	3.8	3.4	2.7	2.4	2.7

D (m) = Distance / Φ (m) = 1/2 Illuminance Beam

※Values in this catalog are for reference only and are not guaranteed.

Illumination range	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Gold
Beam Angle 5.0°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
5 / 0.45	850	850	850	850	760	600	530	610
10 / 0.91	210	210	210	210	190	150	130	150
30 / 2.7	24	24	24	24	21	17	15	17
50 / 4.5	8.5	8.5	8.5	8.5	7.6	6.0	5.3	6.1
100 / 9.1	2.1	2.1	2.1	2.1	1.9	1.5	1.3	1.5
Beam Angle 6.0°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
5 / 0.54	620	620	620	620	560	440	380	440
10 / 1.1	150	150	150	150	140	110	96	110
30 / 3.2	17	17	17	17	15	12	11	12
50 / 5.4	6.2	6.2	6.2	6.2	5.6	4.4	3.8	4.4
100 / 11	1.5	1.5	1.5	1.5	1.4	1.1	0.96	1.1
Beam Angle 7.0°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
5 / 0.63	470	470	470	470	420	330	290	340
10 / 1.3	120	120	120	120	110	84	73	84
30 / 3.8	13	13	13	13	12	9.3	8.1	9.4
50 / 6.3	4.7	4.7	4.7	4.7	4.2	3.3	2.9	3.4
100 / 13	1.2	1.2	1.2	1.2	1.1	0.84	0.73	0.84
Beam Angle 8.0°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
5 / 0.72	350	350	350	350	310	250	220	250
10 / 1.4	87	87	87	87	78	62	54	62
30 / 4.3	9.6	9.6	9.6	9.6	8.7	6.8	6.0	6.9
50 / 7.2	3.5	3.5	3.5	3.5	3.1	2.5	2.2	2.5
100 / 14	0.87	0.87	0.87	0.87	0.78	0.62	0.54	0.62
Beam Angle 9.0°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
5 / 0.75	300	300	300	300	270	210	180	210
10 / 1.5	74	74	74	74	67	53	46	53
30 / 4.5	8.2	8.2	8.2	8.2	7.4	5.9	5.1	5.9
50 / 7.5	3.0	3.0	3.0	3.0	2.7	2.1	1.8	2.1
100 / 15	0.74	0.74	0.74	0.74	0.67	0.53	0.46	0.53
Beam Angle 10°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
5 / 0.79	760	760	760	760	630	630	500	690
10 / 1.6	190	190	190	190	160	160	130	170
30 / 4.7	21	21	21	21	17	17	14	19
50 / 7.9	7.6	7.6	7.6	7.6	6.3	6.3	5.0	6.9
100 / 16	1.9	1.9	1.9	1.9	1.6	1.6	1.3	1.7
Beam Angle 20°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
5 / 1.6	270	270	270	270	230	230	180	250
10 / 3.2	68	68	68	68	57	57	45	62
30 / 9.5	7.5	7.5	7.5	7.5	6.3	6.3	5.0	6.9
50 / 16	2.7	2.7	2.7	2.7	2.3	2.3	1.8	2.5
100 / 32	0.68	0.68	0.68	0.68	0.57	0.57	0.45	0.62
Beam Angle 30°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
5 / 2.4	120	120	120	120	99	99	79	110
10 / 4.8	30	30	30	30	25	25	20	27
30 / 15	3.3	3.3	3.3	3.3	2.7	2.7	2.2	3.0
50 / 24	1.2	1.2	1.2	1.2	0.99	0.99	0.79	1.1
100 / 48	0.30	0.30	0.30	0.30	0.25	0.25	0.20	0.27
Beam Angle 50°								
D (m) / Φ (m)	Center Beam Illuminance (lx)							
5 / 5.1	42	42	42	42	35	35	28	39
10 / 10	11	11	11	11	8.8	8.8	7.0	9.6
30 / 31	1.2	1.2	1.2	1.2	0.97	0.97	0.78	1.1
50 / 51	0.42	0.42	0.42	0.42	0.35	0.35	0.28	0.39
100 / 102	0.11	0.11	0.11	0.11	0.088	0.088	0.070	0.096

D (m) = Distance / Φ (m) = 1/2 Illuminance Beam

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LEDSFOCUS PRO **LLF0113A**

■**Narrow-angle type** LLF0113A / SWWD007 / □□/□/□□ / S / BK / S / C / CE / 1
Product Name / Control Name / Light Source Code / Color rendering / Light Distribution Angle / a / b / c / d / e / f

■**Medium-angle type** LLF0113A / SWWD010 / □□/□/□□ / S / BK / S / C / CE / 1
Product Name / Control Name / Light Source Code / Color rendering / Light Distribution Angle / a / b / c / d / e / f

a : Installed type [S] = Standard installation
b : Body color [BK] = Charcoal grey
c : Control [S] = ON/OFF Control
d : Painting specification [C] = Heavy-duty salt resistance
e : Standard [CE] = CE/PSE
Standard [TS] = TIS
※Medium-angle type 2200K conforms only to PSE.
f : Ver. [1] = Version 1

※The Part No. in the table below only indicates the light source color, color rendering and light distribution angle.

ON/OFF type

Specification		6500K	5700K	5000K	4000K	3000K	2700K	2200K	Gold
■Narrow-angle type									
1/2 Beam angle 1.5°	Part No.	—	—	50/T/XN	—	—	—	—	—
	Center luminous intensity (cd)	—	—	195,000	—	—	—	—	—
	Rated luminous flux (lm)	—	—	139	—	—	—	—	—
	Power consumption (W)	—	—	6.60	—	—	—	—	—
1/2 Beam angle 2.5°	Part No.	65/X/VN	57/X/VN	50/X/VN	40/X/VN	30/X/VN	27/X/VN	22/X/VN	YE/N/VN
	Center luminous intensity (cd)	110,000	110,000	110,000	110,000	99,300	78,600	68,700	79,300
	Rated luminous flux (lm)	158	158	158	158	142	121	106	129
	Power consumption (W)	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10
1/2 Beam angle 3°	Part No.	65/X/03	57/X/03	50/X/03	40/X/03	30/X/03	27/X/03	22/X/03	YE/N/03
	Center luminous intensity (cd)	74,200	74,200	74,200	74,200	66,800	52,800	46,200	53,300
	Rated luminous flux (lm)	158	158	158	158	142	121	106	129
	Power consumption (W)	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10
1/2 Beam angle 4°	Part No.	65/X/04	57/X/04	50/X/04	40/X/04	30/X/04	27/X/04	22/X/04	YE/N/04
	Center luminous intensity (cd)	37,800	37,800	37,800	37,800	34,000	26,900	23,500	27,100
	Rated luminous flux (lm)	158	158	158	158	142	121	106	129
	Power consumption (W)	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10
1/2 Beam angle 5°	Part No.	65/X/05	57/X/05	50/X/05	40/X/05	30/X/05	27/X/05	22/X/05	YE/N/05
	Center luminous intensity (cd)	21,200	21,200	21,200	21,200	19,100	15,100	13,200	15,200
	Rated luminous flux (lm)	158	158	158	158	142	121	106	129
	Power consumption (W)	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10
1/2 Beam angle 6°	Part No.	65/X/06	57/X/06	50/X/06	40/X/06	30/X/06	27/X/06	22/X/06	YE/N/06
	Center luminous intensity (cd)	15,400	15,400	15,400	15,400	13,900	11,000	9,590	11,100
	Rated luminous flux (lm)	158	158	158	158	142	121	106	129
	Power consumption (W)	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10
1/2 Beam angle 7°	Part No.	65/X/07	57/X/07	50/X/07	40/X/07	30/X/07	27/X/07	22/X/07	YE/N/07
	Center luminous intensity (cd)	11,800	11,800	11,800	11,800	10,600	8,370	7,320	8,440
	Rated luminous flux (lm)	158	158	158	158	142	121	106	129
	Power consumption (W)	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10
1/2 Beam angle 8°	Part No.	65/X/08	57/X/08	50/X/08	40/X/08	30/X/08	27/X/08	22/X/08	YE/N/08
	Center luminous intensity (cd)	8,660	8,660	8,660	8,660	7,790	6,160	5,390	6,220
	Rated luminous flux (lm)	158	158	158	158	142	121	106	129
	Power consumption (W)	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10
1/2 Beam angle 9°	Part No.	65/X/09	57/X/09	50/X/09	40/X/09	30/X/09	27/X/09	22/X/09	YE/N/09
	Center luminous intensity (cd)	7,400	7,400	7,400	7,400	6,660	5,270	4,610	5,310
	Rated luminous flux (lm)	158	158	158	158	142	121	106	129
	Power consumption (W)	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10
■Medium-angle type									
1/2 Beam angle 10°	Part No.	65/X/10	57/X/10	50/X/10	40/X/10	30/X/10	27/X/10	22/X/10	YE/N/10
	Center luminous intensity (cd)	18,900	18,900	18,900	18,900	15,700	15,700	12,600	17,300
	Rated luminous flux (lm)	524	524	524	524	437	437	349	480
	Power consumption (W)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
1/2 Beam angle 20°	Part No.	65/X/20	57/X/20	50/X/20	40/X/20	30/X/20	27/X/20	22/X/20	YE/N/20
	Center luminous intensity (cd)	6,790	6,790	6,790	6,790	5,660	5,660	4,530	6,230
	Rated luminous flux (lm)	524	524	524	524	437	437	349	480
	Power consumption (W)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
1/2 Beam angle 30°	Part No.	65/X/30	57/X/30	50/X/30	40/X/30	30/X/30	27/X/30	22/X/30	YE/N/30
	Center luminous intensity (cd)	2,960	2,960	2,960	2,960	2,470	2,470	1,970	2,710
	Rated luminous flux (lm)	524	524	524	524	437	437	349	480
	Power consumption (W)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
NEW 1/2 Beam angle 50°	Part No.	65/X/50	57/X/50	50/X/50	40/X/50	30/X/50	27/X/30	22/X/50	YE/N/50
	Center luminous intensity (cd)	1,050	1,050	1,050	1,050	876	876	701	964
	Rated luminous flux (lm)	524	524	524	524	437	437	349	480
	Power consumption (W)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Power consumptions under condition of AC 100 V. ※Values in this catalog are for reference only and are not guaranteed.

Standard LED floodlight model

LEDSFOCUS

LED floodlight with ultra-narrow light distribution | LLM0545A

LED spotlight with ultra-narrow light distribution | LLM0854A

Nihonbashi Takashimaya Department Store
(Location: Chuo-ku, Tokyo
Design: Nihon Sekkei + Plantec Architects JV
Lighting Design: Uchihara Creative Lighting Design Inc.)

Expression through linear light

LEDSFOCUS LINE

LED linear lighting | LLM1389A

WANO AKARI x HYAKUDAN KAIDAN 2021 - Light of Nippon, Light for the Future -
(Location: Hyakudan Kaidan, Tokyo Metropolitan Area designated tangible cultural property inside Hotel Gajoen Tokyo in Meguro, Tokyo)

Random flash emission

LEDSFOCUS FLASH

LED flash lighting | LLM1549A

CG image

That Luang
(Location: Vientiane, Laos)

That Luang
(Location: Vientiane, Laos)

Global exclusive Gold

LEDSFOCUS GOLD

LED floodlight with ultra-narrow light distribution | LLF0111A LLF0112A LLF0113A LLM0545A

Outdoor LED floodlight | LLF0059A

Heat resistance

Vlbration resistance 1G

Noise resistance

UV resistance

High waterproof IP65

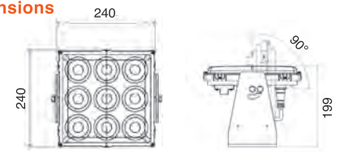
Specifiction

Body: Aluminum die casting
Outer lens: Polycarbonate
Bracket (sold separately): Stainless steel
Rated input constant current: 0.7A
Ambient temperature: -30–50 °C
Waterproof and dustproof: IP65
Light source life: UE/UG=40,000 hours / UZ=42,000 hours (lumen maintenance factor 70%)
Power supply: Placed separately (sold separately)
Weight: 2.3 kg
Optional parts: Power source, bracket,10 m cable

	Rated luminous flux	Power consumption
2.5°	410–1,720 lm	14.8–19.3 W
3.0°	480–1,330 lm	4.5–19.2 W
5.0°	1.260–1,400 lm	18.3 W

Dimensions

Unit: mm



Front　Side

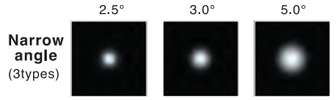
Bracket with angle adjustment structure (sold separately)

An extensive range of color variations is also available.

6500K　5700K　4000K　3000K　2200K

Red　Green　Blue　Amber

Narrow angle variations



Model which makes a wide range of new lighting effects possible

Maximizing the potential of LED lighting, we have achieved an ultra-narrow light distribution which can be used in various lighting scenarios and light shows. This spotlight can deliver light to where it could not reach before. Abundant color variations are available to meet the demands of a wide range of lighting effects. Possessing a high level of resistance to water and dust, the lighting fixture can be used in any kind of environment.

Ultra-narrow light distribution / Narrow angle light distribution with a 1/2 beam angle of 2.5° has been achieved.

Low power consumption / Operates with power as low as 25W (When using the optional power supply).

Thin and lightweight / Just 47 mm thick (light source) and weighing only 2.3 kg (bracket excluded), it can be installed anywhere.

Water/dust proof / Available for outdoor usage (IP65).

Variety in color / In addition to variety of white color temperatures, there are red, green, blue, and amber colors available.

Illumination range

Beam Angle 2.0° [LLM0545A_UZ:6500K]

D (m)	Φ (m)※	Center Beam Illuminance (lx)
30	5.3	972
50	8.3	358
100	10	91
500	—	3.6
1000	—	0.9

Illumination range

Beam Angle 3.0° [LLM0545A_UE:5700K]

D (m)	Φ (m)※	Center Beam Illuminance (lx)
30	6	481
50	7.1	174
100	11.2	43
500	—	1.7
1000	—	0.4

Illumination range

Beam Angle 5.0° [LLM0545A_UG:5700K]

D (m)	Φ (m)※	Center Beam Illuminance (lx)
30	5.3	340
50	7.7	123
100	12.4	31
500	—	1.2
1000	—	0.3

※ 1lx or higher

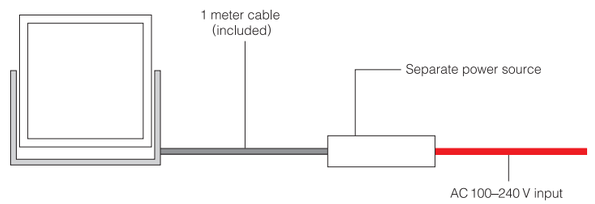
Specification	6500K	5700K	4000K	3000K	2200K	Red	Green	Blue	Amber
LLM0545A_UZ / □□□□□									
1/2 Beam angle **2.5°** Part No.	FLOODLIGHT 265	—	FLOODLIGHT 24	FLOODLIGHT 23	—	FLOODLIGHT 26	FLOODLIGHT 27	FLOODLIGHT 28	—
Center luminous intensity (cd)	918,000	—	768,000	736,000	—	180,000	518,000	235,000	—
Rated luminous flux (lm)	1,720	—	1,440	1,380	—	680	950	410	—
Power consumption (W)※	17.9 W	—	17.9 W	17.9 W	—	14.8 W	18.7 W	19.3 W	—
LLM0545A_UE / □□□□□									
1/2 Beam angle **3.0°** Part No.	—	—	FLOODLIGHT 34	FLOODLIGHT 33	FLOODLIGHT 32	FLOODLIGHT 36	FLOODLIGHT 37★	FLOODLIGHT 38	FLOODLIGHT 39
Center luminous intensity (cd)	—	436,000	396,000	347,000	235,000	262,000	146,000	194,000	250,000
Rated luminous flux (lm)	—	1,330	1,200	1,060	710	780	500	480	850
Power consumption (W)※	—	19.2 W	19.2 W	19.2 W	19.2 W	14.7 W	4.5 W	19.2 W	14.7 W
LLM0545A_UG / □□□□□									
1/2 Beam angle **5.0°** Part No.	—	—	FLOODLIGHT 54	FLOODLIGHT 53	—	—	—	—	—
Center luminous intensity (cd)	—	308,000	300,000	300,000	—	—	—	—	—
Rated luminous flux (lm)	—	1,400	1,260	1,260	—	—	—	—	—
Power consumption (W)※	—	18.3 W	18.3 W	18.3 W	—	—	—	—	—

★Input current value differs from other color variations.

※ Without power supply

Kamo Aquarium, Tsuruoka
(Location: Tsuruoka, Yamagata Prefecture Design: Nihon Sekkei, Inc.)

Wiring of the Power Source



Heat resistance

VIbration resistance 1G

Noise resistance

UV resistance

High waterproof IP65

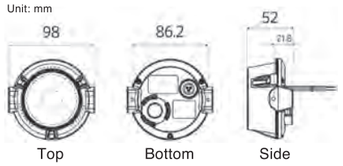
Specifiction

Body: Aluminum die casting
Front cover: Polycarbonate
Inner lens: Acryl (transparent)
Rated input constant voltage: DC 12 V
Power consumption: 2.9 W (max 3.6 W)
(max4.1 W) for red / green / blue
Ambient temperature: -35–50 °C
Waterproof and dustproof: IP65
Light source life: 40,000 hours
(lumen maintenance factor 70%)
Weight: 260 g
Optional parts: Bracket
※ Power source is sold separately.
PWM: Dimmer-compatible

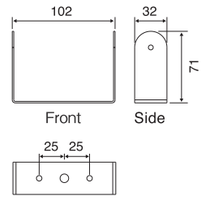
	Rated luminous flux	Power consumption
2.5°	40.8-143 lm	2.9-4.1W

Dimensions

Unit: mm



Bracket (sold separately)



Connection cable

An extensive range of color variations is also available.

Beam angle 2.5°

Spotlight with a single chip LED to realize low power consumption and miniaturization

By efficiently harnessing the LED light to create a narrow beam, a single LED chip can be used to produce various effects, achieving spot lighting in a compact unit at low cost.
Abundant color variations are available to meet the demands for a wide range of lighting effects.
Possessing a high level of resistance to water and dust, the lighting fixture can be used in any kind of environment.

Ultra-narrow light distribution	Narrow angle light distribution with a 1/2 beam angle of 2.5° has been achieved.
Low power consumption	Operates with power as low as 2.9 W.
Compact & lightweight	A very compact and light body at ϕ98 mm and 260 g.
Water/dust proof	Waterproof module that meets IP65.
Variety in color	Available in 5000K, 4000K, 3000K, red, green, and blue.

Illumination range

Beam Angle 2.5° [LLM0854A/LIGHTING EQU50:5000K]

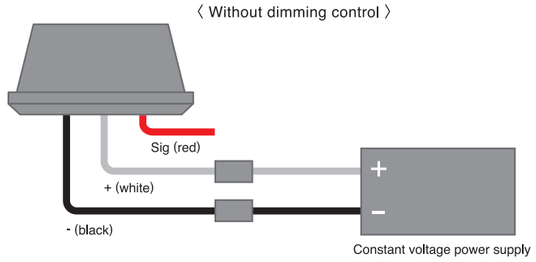
D(m)	Φ(m)※	Center Beam Illuminance (lx)
1	0.24	86,000
2	0.33	21,500
5	0.54	3,440
10	0.63	860

※ 50 lux or higher

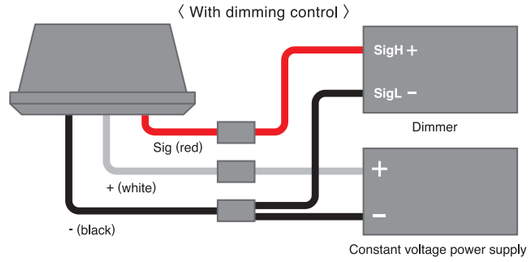
Specification	5000K	4000K	3000K	Red	Green	Blue
LLM0854A / □□□□□						
Part No.	LIGHTING EQU50	LIGHTING EQU40	LIGHTING EQU30	LIGHTING EQU60	LIGHTING EQU70	LIGHTING EQU80
1/2 Beam angle 2.3° ~ 2.6°						
Center luminous intensity (cd)	86,000	76,000	62,350	9,290	48,280	19,200
Rated luminous flux (lm)	143	117	104	40.8	92.2	56.3
1/2 Beam angle	2.5°	2.5°	2.5°	2.6°	2.3°	2.3°
Color rendering index (Ra)	70	80	80	—	—	—
Power consumption (W)	2.9	2.9	2.9	2.9	2.9	2.9

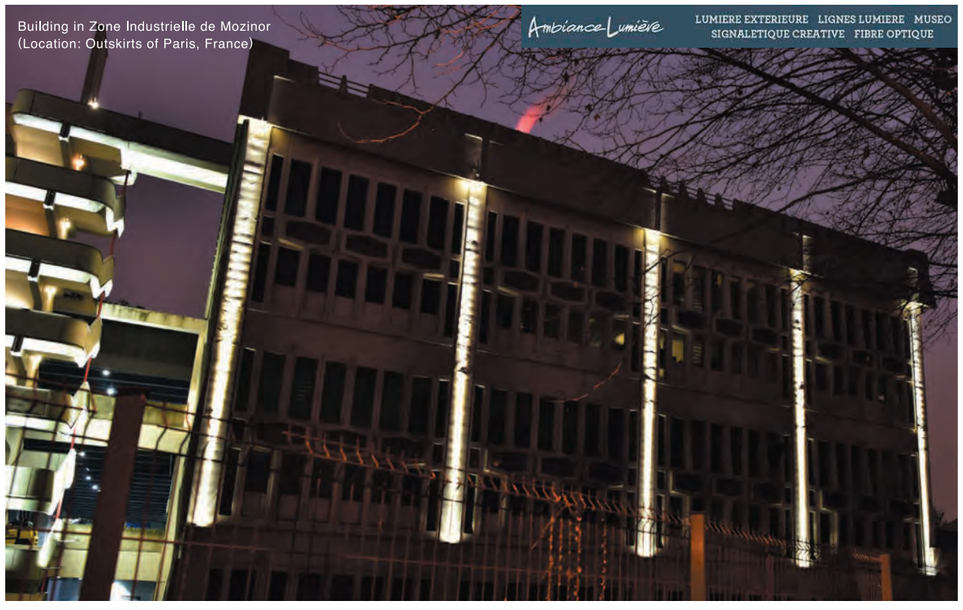
Wiring of the Power Source

〈 Without dimming control 〉



〈 With dimming control 〉





LEDSFOCUS GOLD

BRONZE MEMBER DX 2024

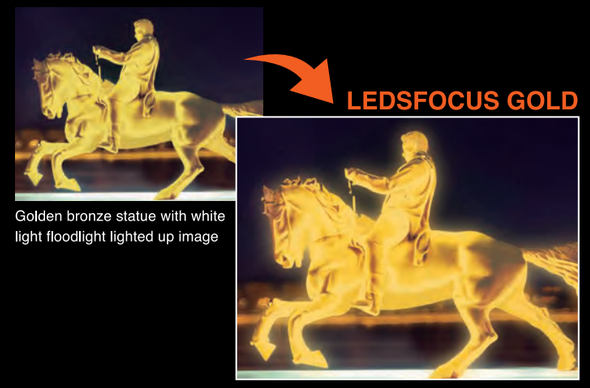
STANLEY ELECTRIC is a Bronze member of the lighting simulation software 'DIALux'.

Achieving luminescent colors that highlight gold color

LEDSFOCUS GOLD, created based on Stanley Electric's proprietary phosphor blending technology, create vivid, unique gold-colored light. Compared to white floodlight, illuminating golden surfaces such as temples and Buddha statues with gold light can bring out the beautiful color even more. Furthermore, non-golden objects can be dyed gold with this floodlight.

Image of white light floodlight

Image of LEDSFOCUS GOLD



Golden bronze statue with white light floodlight lighted up image

Golden statue With LEDSFOCUS GOLD to make it stand out more lighted up image

LED floodlight with ultra-narrow light distribution ■LLF0111A ■LLF0112A ■LLF0113A

Ultra-narrow light distribution 1/2 beam angle	Ultra-narrow light distribution at a minimum of 2.5° enables bright illumination of distant objects.
Light distribution control	Light distribution can be controlled in 1° increments between 2.5° and 10° for accurate illumination of the subject. In addition, a high output medium angle light distribution of 10 to 50° is available for various applications.
Beautiful light projection	Our unique LED / lens design technology can achieve beautiful and uniform projection lighting.
Heavy duty	The waterproof and dustproof structure of IP66 as well as the excellent heavy salt resistance specifications, provide maximum performance in harsh environments.
Wide variety of customization	Light distribution, light color, size, body color, and optional parts can be freely customized, making this product suitable for any scenario..

Heat resistance | Vibration resistance 1G | Noise resistance | UV resistance | Heavy salt resistance | High waterproof IP65

※ These photos are for illustrative purposes.

※ Photos are for illustrative purposes.

LED floodlight with ultra-narrow light distribution ■LLM0545A

Ultra-narrow light distribution	Achieved a narrow-angle and oval light distributionwhose 1/2 beam angle is 4° x 3°.
Thin and lightweight	Just 47 mm thick (light source) and weighing only 2.3 kg (bracket excluded), it can be installed anywhere.
Low power consumption	Power consumption is as low as 39.4 W.
Waterproof/dustproof	Available for outdoor usage (IP65).

Heat resistance | Vibration resistance 1G | Noise resistance | UV resistance | High waterproof IP65

※ These photos are for illustrative purposes.

Outdoor LED floodlight ■LLF0059A

Heavy duty	We provide high quality and reliable LED floodlights which have passed harsh environmental endurance tests.
Energy efficient and eco-friendly	The higher efficiency enables energy savings and thus contributes to the reduction of greenhouse gases.

Vibration resistance 2G | Noise resistance | Heavy salt resistance | High waterproof IP66

LLF0111A / LLF0112A / LLF0113A

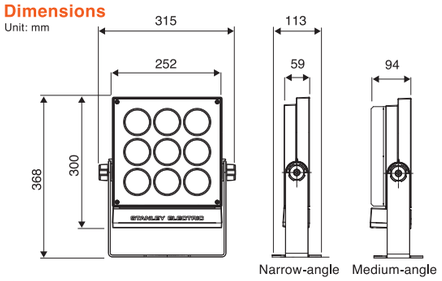
LLF0111A

Specifiction

Body: Aluminum die casting / Front cover: Polycarbonate / Secondary lens: Acrylic / Rated Voltage: AC 100–240V /
Ambient temperature: -25–50 °C / Waterproof and dustproof: IP66 / Light source life: 50,000 hours (lumen maintenance factor 70%) /
Power supply: Built in / Weight: Narrow-angle type (2.5–9°) 5.4 kg, Medium-angle type (10–50°) 6.4 kg

Dimensions

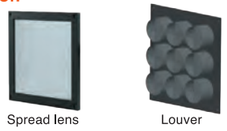
Unit: mm



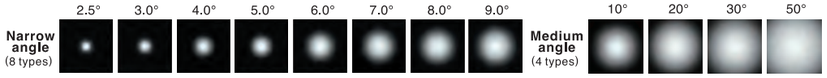
Color

Charcoal grey
(Standard color)

Option



Beam angle



■Narrow-angle type LLF0111A / LWWD035 / □□ / □ / □□
■Medium-angle type LLF0111A / LWWD056 / □□ / □ / □□

Part No.	1/2 Beam angle	Center luminous intensity (cd)	Rated luminous flux (lm)	Power consumption (W)
YE/N/VN	2.5°	1,020,000	1,600	35.7
YE/N/03	3.0°	726,000	1,600	35.7
YE/N/04	4.0°	392,000	1,600	35.7
YE/N/05	5.0°	224,000	1,600	35.7
YE/N/06	6.0°	164,000	1,600	35.7
YE/N/07	7.0°	125,000	1,600	35.7
YE/N/08	8.0°	94,600	1,600	35.7
YE/N/09	9.0°	78,500	1,600	35.7
YE/N/10	10°	173,000	4,430	55.7
YE/N/20	20°	62,900	4,430	55.7
YE/N/30	30°	27,600	4,430	55.7
YE/N/50	50°	9,850	4,430	55.7

Please refer to the table on p. 30 for the dimming type. ※Values in this catalog are for reference only and are not guaranteed.

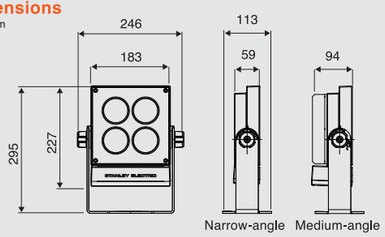
LLF0112A

Specifiction

Body: Aluminum die casting / Front cover: Polycarbonate / Secondary lens: Acrylic / Rated Voltage: AC 100–240V /
Ambient temperature range of use: -20–50 °C (narrow angle), -25–50 °C (medium angle) / Waterproof and dustproof: IP66 /
Light source life: 50,000 hours (lumen maintenance factor 70%) / Power supply: Built in /
Weight: Narrow-angle type (2.5–9) 3.5 kg, Medium-angle type (10–30) 4.2 kg

Dimensions

Unit: mm

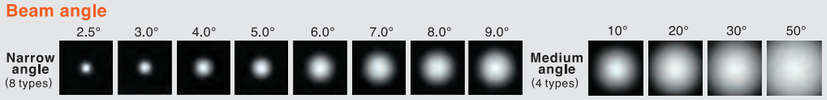


Color

Charcoal grey
(Standard color)

Option

Beam angle



■Narrow-angle type LLF0112A / LWWD017 / □□ / □ / □□
■Medium-angle type LLF0112A / LWWD028 / □□ / □ / □□

Part No.	1/2 Beam angle	Center luminous intensity (cd)	Rated luminous flux (lm)	Power consumption (W)
YE/N/VN	2.5°	455,000	710	16.9
YE/N/03	3.0°	310,000	710	16.9
YE/N/04	4.0°	161,000	710	16.9
YE/N/05	5.0°	90,800	710	16.9
YE/N/06	6.0°	66,400	710	16.9
YE/N/07	7.0°	50,500	710	16.9
YE/N/08	8.0°	37,900	710	16.9
YE/N/09	9.0°	31,400	710	16.9
YE/N/10	10°	84,200	2,160	28.3
YE/N/20	20°	30,900	2,160	28.3
YE/N/30	30°	13,400	2,160	28.3
YE/N/50	50°	4,820	2,160	28.3

Please refer to the table on p. 34 for the dimming type. ※Values in this catalog are for reference only and are not guaranteed.

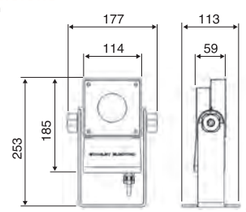
LLF0113A

Specifiction

Body: Aluminum die casting / Front cover: Polycarbonate / Secondary lens: Acrylic / Rated Voltage: AC 100–240V /
Ambient temperature: -25–50 °C / Waterproof and dustproof: IP66 /
Light source life: 50,000 hours (lumen maintenance factor 70%) / Weight: 2.5 kg

Dimensions

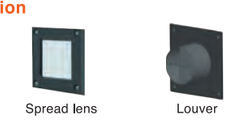
Unit: mm



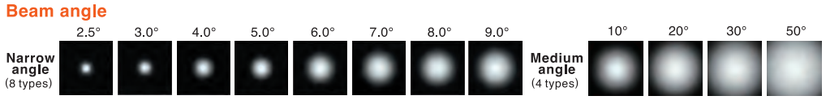
Color

Charcoal grey
(Standard color)

Option



Beam angle



■Narrow-angle type LLF0113A / LWWD007 / □□ / □ / □□
■Medium-angle type LLF0113A / LWWD010 / □□ / □ / □□

Part No.	1/2 Beam angle	Center luminous intensity (cd)	Rated luminous flux (lm)	Power consumption (W)
YE/N/VN	2.5°	79,300	129	7.10
YE/N/03	3.0°	53,300	129	7.10
YE/N/04	4.0°	27,100	129	7.10
YE/N/05	5.0°	15,200	129	7.10
YE/N/06	6.0°	11,100	129	7.10
YE/N/07	7.0°	8,440	129	7.10
YE/N/08	8.0°	6,220	129	7.10
YE/N/09	9.0°	5,310	129	7.10
YE/N/10	10°	17,300	480	10.0
YE/N/20	20°	6,230	480	10.0
YE/N/30	30°	2,710	480	10.0
YE/N/50	50°	964	480	10.0

※Values in this catalog are for reference only and are not guaranteed.

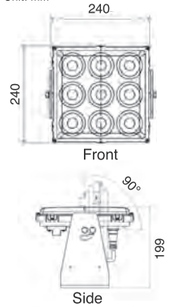
LEDSFOCUS GOLD **LLM0545A**

Specifiction

Center luminous intensity: 667,000 cd
Luminous flux: 3,300 lm
1/2 beam angle: 4×3°
Body: Aluminum die casting
Outer lens: Polycarbonate
Bracket (sold separately): stainless steel
Rated input constant current: 0.7A
Power consumption (exd. power source): 39.4 W
Ambient temperature: -30–50 °C
Waterproof and dustproof: IP65
light source lifetime: 42,000 hours (lumen maintenance factor 70%)
Power supply: Placed separately (sold separately)
Weight: 2.3 kg
Optional parts: Power source, bracket,10 m cable

Dimensions

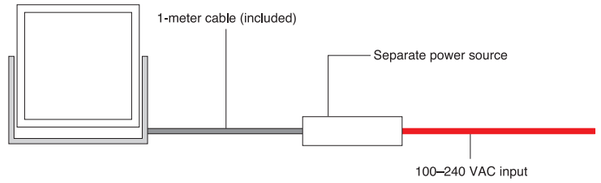
Unit: mm



Bracket with angle adjustment structure (sold separately)

Beam angle 4×3°

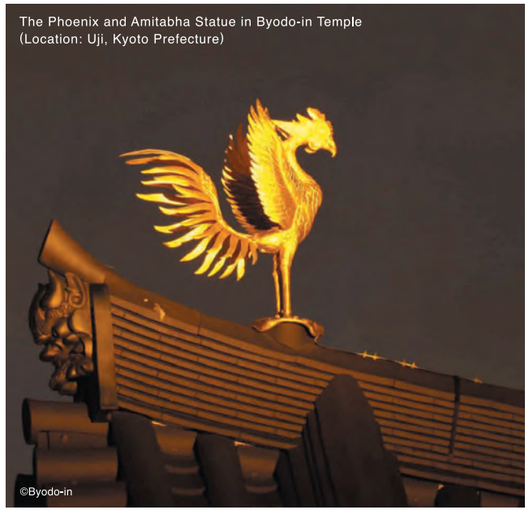
Wiring of the Power Source



Illumination range

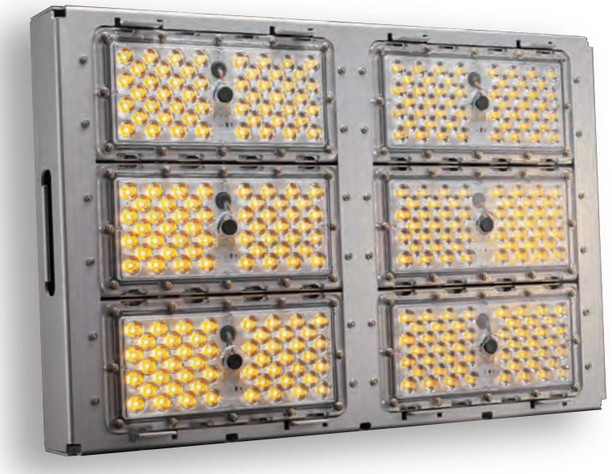
Beam Angle 4×3° [LLM0545A_UB: Gold]

D (m)	Φ (m)	Center Beam Illuminance (lx)
30	6	717
50	7.1	262
100	11.2	66
500	—	2.5
1000	—	0.6


The Phoenix and Amitabha Statue in Byodo-in Temple
(Location: Uji, Kyoto Prefecture)
©Byodo-in


That Luang (Location: Vientiane, Laos)

LEDSFOCUS GOLD **LLF0059A**



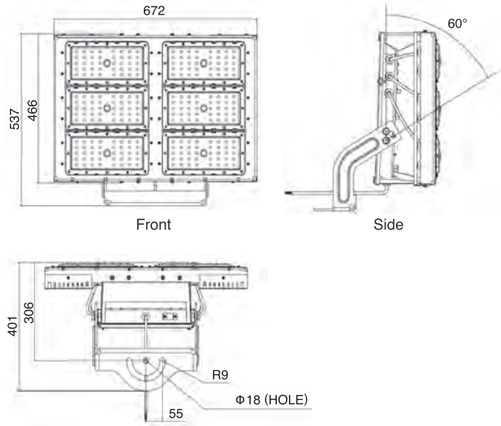
Specifiction

Rated luminous flux (at 220 V): 32,940 lm
Body: Aluminum sheet, Aluminum die casting
Power consumption: 425W (at 220 V)
Rated Voltage: AC 100–240 V
Lightning surge protection: 15 kV (Common mode)
Light distribution angle: 1/10 Beam angle
Narrow angle 26° / Medium angle 50° / Wide angle 100°
Ambient temperature: -20–40 °C
Weight: 18.8 kg
Waterproof and dustproof: IP66
light source lifetime: 60,000 hours (lumen maintenance factor 70%)
Wind resistance: 70 m/s

Narrow angle variations

Dimensions

Unit: mm




Rama VIII Bridge (Bangkok, Thailand)

An extensive range of color variations is also available.

5000K 4000K 3000K Red Green Blue Amber

Heat resistance

VIbration resistance 1G

Noise resistance

UV resistance

High waterproof IP65

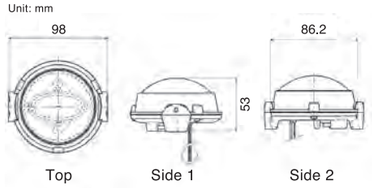
Specifiction

Body: Aluminum die casting
Lens: Polycarbonate
Rated input constant current: 0.7 A
Ambient temperature: -30–50 °C
Waterproof and dustproof: IP65
Light source lifetime: 40,000 hours
(lumen maintenance factor 70%)
Weight: 230 g
Optional Parts: Bracket
※ Power source is not sold by our company.

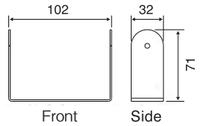
	Luminous flux	Rated power consumption
2.5 · 2.8°	980–4,120 cd	4.9–6.8W

Dimensions

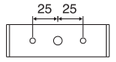
Unit: mm



Bracket (sold separately)

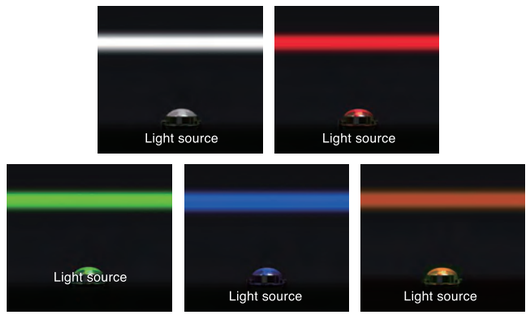


Connection cable



Low power linear lighting with efficiently focused narrow light, housed in a compact body

We designed a lens that uses ultra-narrow light distribution technology instead of a light-shielding method.
By efficiently squeezing the LED light to create a narrow ray of light, we have realized a low-power and small-sized linear distribution lighting that can be used for various productions with just a few LEDs.
Abundant color variations are available to meet the demands for a wide range of light-up effects.



※ Photos are for illustrative purposes.

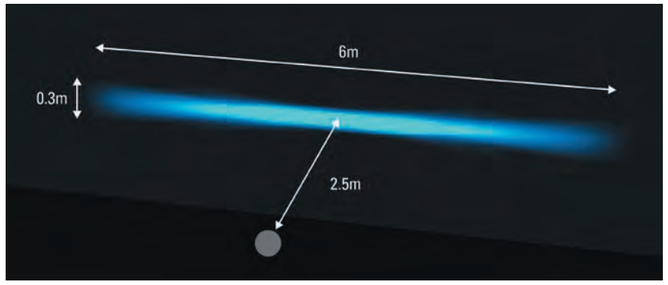
Linear light distribution / A vivid track of light is achieved.

Compact and lightweight / Avery compact and light body with ϕ98 mm and 230 g.

Low power consumption / Operates with power as low as 4.9–6.8 W.

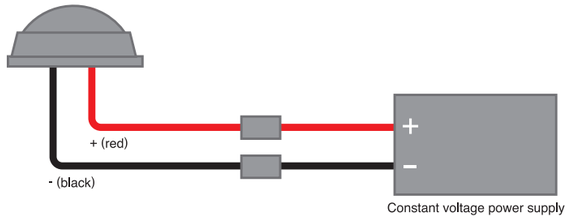
Waterproof/dustproof / Waterproof module that meets IP65.

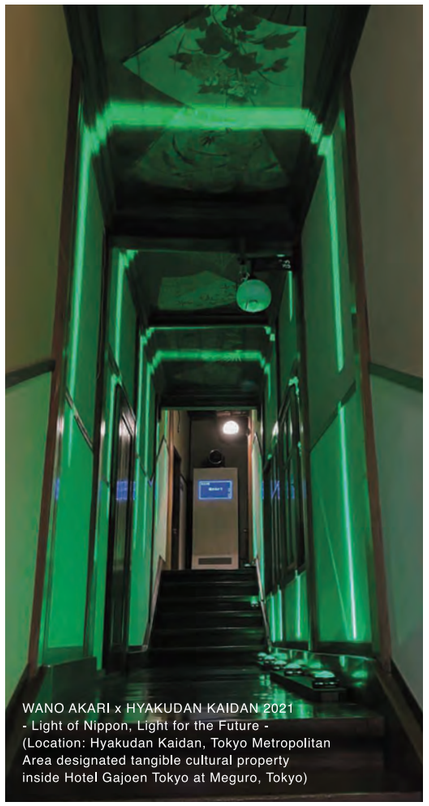
Color variations / Available in 5000K, 4000K, 3000K, red, green, blue, and amber.



Specification	5000K	4000K	3000K	Red	Green	Blue	Amber
LLM1389A / □□□□□							
Part No.	LIGHTING EQU50	LIGHTING EQU40	LIGHTING EQU30	LIGHTING EQU60	LIGHTING EQU70	LIGHTING EQU80	LIGHTING EQU90
1/2 Beam angle 2.5° 2.8° — 1/2 Beam angle (°) short end	2.5	2.5	2.5	2.8	2.5	2.5	2.8
1/2 Beam angle (°) longitudinal	70	70	70	78	76	76	70
Color temp./Color lineup	5000K	4000K	3000K	Red	Green	Blue	Amber
Center luminous intensity (cd)	4,120	3,620	3,460	980	2,780	1,190	2,840
Color rendering index (Ra)	70	80	80	—	—	—	—
Input voltage	8.5 V	8.5 V	8.5 V	7.0 V	9.5 V	9.7 V	8.9V
Power consumption	6.0 W	6.0 W	6.0 W	4.9 W	6.6 W	6.8 W	6.2W

Wiring of the Power Source





WANO AKARI x HYAKUDAN KAIDAN 2021
- Light of Nippon, Light for the Future -
(Location: Hyakudan Kaidan, Tokyo Metropolitan Area designated tangible cultural property inside Hotel Gajoen Tokyo at Meguro, Tokyo)

Blue green (LLM1549A/LIGHTING EQU)

Heat resistance

Vlbration resistance 1G

Noise resistance

UV resistance

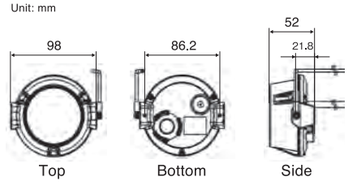
High waterproof IP65

Specifiction

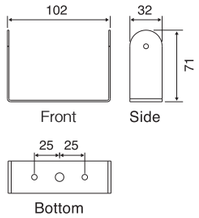
Body: Aluminum die-cast
Front Cover: Polycarbonate
Rated Constant Input Voltage: DC 24 V
Power Consumption: 8.0 W (8.0 W is the instantaneous power consumption during pulse lighting; the average power consumption is about 0.15 W assuming a single flash every 2.25 s)
Emission interval: Random emission between 1.5–3.0 s
Light source color: Blue green (blue: 464–476 nm + green: 513–543 nm)
Operating ambient temperature: -10–40 °C
Light source life: 40,000 hours (luminous flux maintenance factor: 70%)
Weight: 440 g
Optional Accessory (sold separately): Bracket
※ Power source is not sold by our company.

Dimensions

Unit: mm

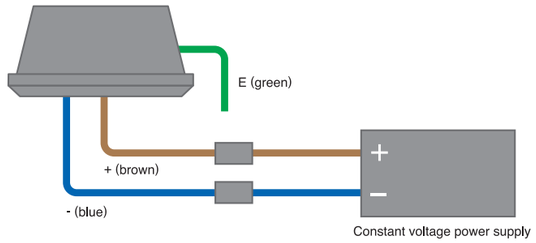


Bracket (sold separately)



Connection cable

Wiring of the Power Source



Randomly-emitting LED flash lighting

Random flash illumination is achieved with only a compact module. Light can be produced without synchronizing light emission even when multiple units are installed. High dustproof and waterproof performance allows for use in any location.

Flash emission	Achieved flash duration time of 40 ms.
Random emission	Light is emitted randomly at 1.5 to 3.0 s intervals. This prevents the synchronization of luminescence even when multiple units are installed.
Low power consumption	Low power consumption ensures energy savings.
Ultra-compact	A very compact and light body at ϕ98 mm and 440 g.
Water / dustp roof	Waterproof module that meets IP65.


Image


Image


Image

LED Graphic Unit

Specifiction

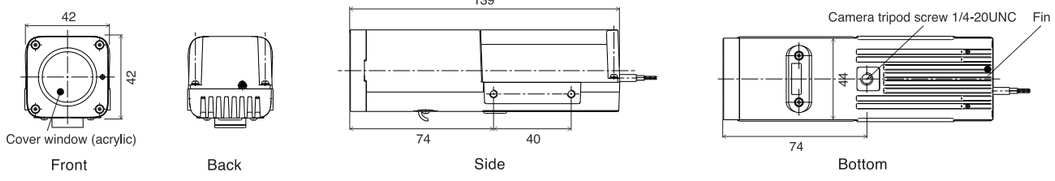
External Dimensions: 42 mm (H) x 42 mm (W) x 139 mm (L)

Luminous color	Green	White	Blue	Amber	Red
Power consumption	6.3 W (typ)				5.0 W (typ)
Illuminance (When irradiated at 1 m in front)	1500 lx	980 lx	85 lx	570 lx	390 lx

Rated Constant Input Voltage: DC 24 V
Please consult separately for DC 12 V.
Operating temperature range: -20～50°C
Weight: approx. 350 g
Flashing: 0.9sec、0.6sec、0.3sec
※ Power source is not sold by our company.
• Dimming and color adjustment functions are not available.
• Outdoor use is not supported when used alone (indoor use only).

Dimensions

Unit: mm



Compact LED Graphic Unit that can smartly illuminate letters and designs with light

This product realizes smart alerts and indicates points of emphasis with optical drawings.
Low power consumption and a compact design means it can be incorporated.
Multiple drawing designs available to accommodate a variety of situations.

High visibility drawing with compact body — High light use efficiency enables bright, highly visible images despite its compact size. Low power consumption enables integration into a variety of devices.

Focus-free — No need to adjust the focus.

Selectable drawing designs — Drawing designs can be selected from multiple options.

Displayed designs

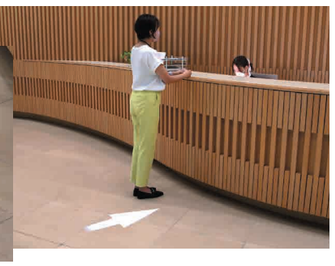
Standard product	Custom products (available upon request)
	

Usage ideas

■ Emphasize accessibility indications

■ Indicate transport vehicles' direction of travel for safety purposes in factory or warehouse

■ Saving person-hours for information guidance, etc.

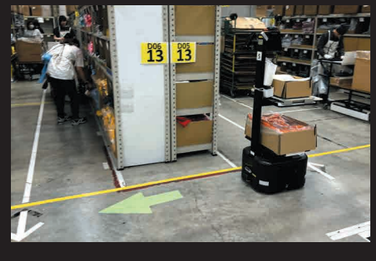


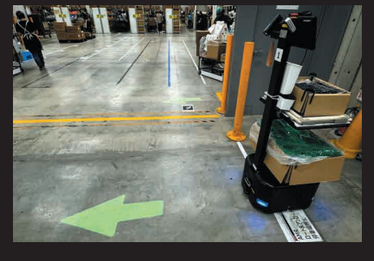
Safer Autonomous Mobile Robots (AMRs) Helping to Save Labor at Logistics Centers!

Logistics companies that support the logistics operations of major car manufacturers and many other companies manage their clients' cargo from storage and sorting, to shipping. Autonomous Mobile Robots (AMR) are indispensable for manpower saving at such sites. AMRs are equipped with Stanley's "LLM1546A" to ensure safety at sites where workers and AMRs cross paths.

Access movie

ADOPTED PRODUCT
LEDSHIGHLIGHT
LLM1546A x 20 units





Karawang International Industrial City
(Location: near Jakarta, Indonesia)

Providing light to ensure safety on the road

LEDSROAD

LED road lighting | LLF0016A LLF0139A LLF0017A LLF0263A

Visualization of when light is turned on

Heat resistance

Vlbration resistance 2G

UV resistance

High waterproof IP66

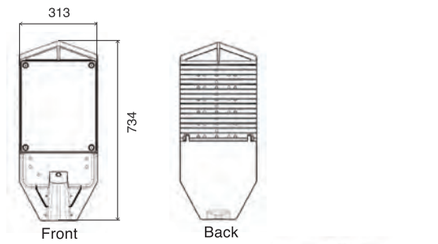
Surge resistance

Specifiction

Body: aluminum die cast, Outer cover: Tempered glass
Color temperature: 4000K
Waterproof and dustproof: IP66
Light source lifetime: 60,000 hours
(lumen maintenance factor 70%)
Shock resistance: IK08
Vibration resistance: 2G
Ambient temperature: -20–50 °C
Wind resistance: 60 m/s
Input voltage: AC 100–240 V
Lightning surge protection pressure resistance:
20 kV (Common mode)
Weight: 10 kg

Dimensions

Unit: mm



Range of boom angle: 5–25°

Applicable pole diameter: Φ 48–60.5

Thin body to match the surroundingsLED road lighting that can withstand harsh environments

With a lightning surge tolerance as high as 20 kV, this product delivers peace of mind with its long service life under harsh conditions. The risk of insects getting inside the product is very low, because it is designed with high airtightness (IP66), including parts other than the light source. Combination of 6 output types and 3 light distribution patterns meets various needs. Installation for this lighting fixture is simple because opening / closing of the cover does not require a tool.

Design that suits urban areas — Implemented optimal control of light distribution with a slim body that matches a variety of scenes.

High tolerance to UV — Tempered glass is used for the outer lens of the light-emitting part, and the optical lenses are made of acryl.

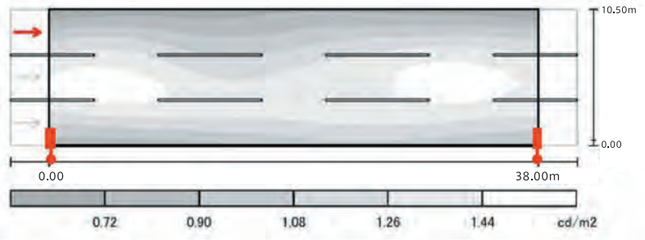
High tolerance to heat — Tolerates ambient temperatures up to 50 °C.

Wide range of input voltage — With an allowable input voltage range of AC 90–305 V, it can operate even in areas with unstable voltage.
※ Performance in the voltage range outside the rated voltage is not guaranteed.

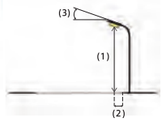
Wide variety of lenses — Uniform light distribution on road surfaces is provided by selecting the appropriate lens from 3 different options.

Maintenance & upgrading — In addition to the power source part, we unitized the LED part so it can be replaced or upgraded as a unit.

Simulation of Light Distribution



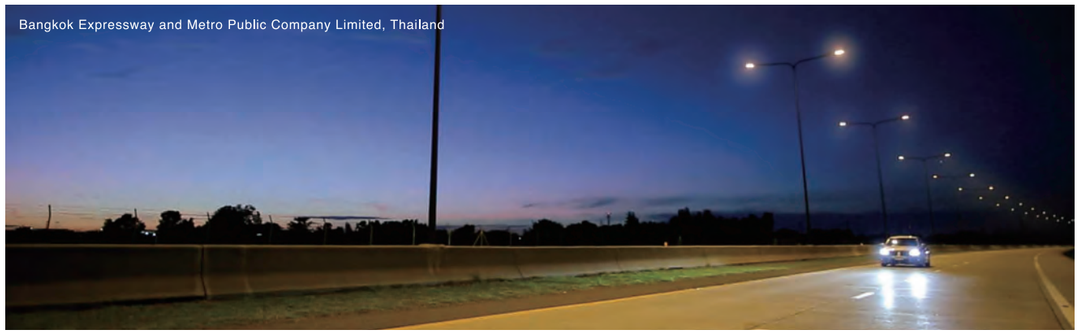
Computational Condition
Number of traffic lanes: 3
Fixture: LLF0016A/LEN2/72/E/IN/A
Installation height (1): 12.3 m
Overhang (2): 0.417 m
Inclination angle of the boom (3): 5°
Space between poles: 38 m
Maintenance factor: 0.7



Average brightness: 1.08 cd/m²
Uniformity ratio of illuminance 0.57
Uniformity ratio of illuminance: 0.71
Relative threshold increase: 5%

Part No.	LLF0016A/LEN✳/56/E/IN/A	LLF0016A/LEN✳/64/E/IN/A	LLF0016A/LEN✳/72/E/IN/A	LLF0016A/LEN✳/76/E/IN/A	LLF0016A/LEN✳/80/E/IN/A	LLF0016A/LEN✳/96/E/IN/A
Power Consumption (at 220 V)	117 W	134 W	150 W	159 W	167 W	202 W
Rated luminous flux	15,000 lm	17,200 lm	19,400 lm	20,400 lm	21,500 lm	25,800 lm
Energy Consumption	129 lm/W	129 lm/W	129 lm/W	129 lm/W	129 lm/W	129 lm/W
Type of Road	General	General	General / Expressway	General / Expressway	General / expressway	Expressway

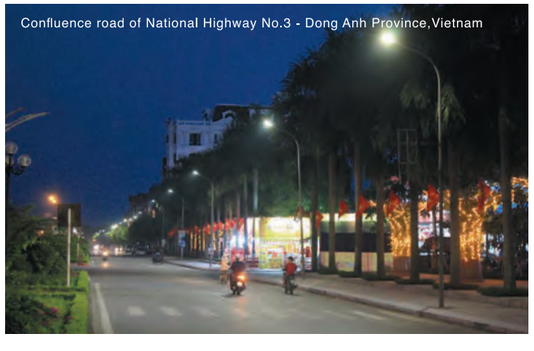
Adoption example


Bangkok Expressway and Metro Public Company Limited, Thailand


Karawang International Industrial City (KIIC), Indonesia


Asia Industrial Estate, a suburb of Bangkok,Thailand


Cao Lo Street - Dong Anh Province,Vietnam


Confluence road of National Highway No.3 - Dong Anh Province,Vietnam

Heat resistance

Vlbration resistance 2G

UV resistance

High waterproof IP66

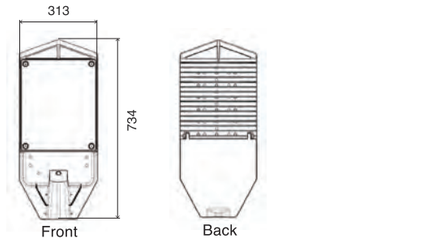
The light on

Specifiction

Body: Aluminum die cast, Outer cover: Tempered glass
Color temperature: 4000K
Waterproof and dustproof: IP66
Light source lifetime: 60,000 hours
(lumen maintenance factor 70%)
Shock resistance: IK08
Vibration resistance: 2 G
Ambient temperature: -20–50 °C
Wind resistance: 60m/s
Input voltage: AC 100–240 V
Lightning surge protection pressure resistance:
20 kV (Common mode)
Weight: 10 kg

Dimensions

Unit: mm



LED road lighting that maintains stable and long-term operation in all kinds of environment

The parts other than the light source are also airtight (IP66), so there is no need to worry about insects or other intruders.
Three output types are available in the line-up.
Tool-less opening and closing of the cover simplifies installation.

Design that suits urban areas — Implemented optimal control of light distribution with a slim body that matches a variety of scenes.

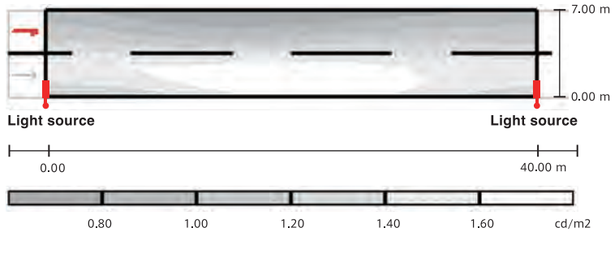
High tolerance to UV — Tempered glass is used for the outer lens of the light-emitting part, and the optical lenses are made of acrylic.

High tolerance to heat — Ambient temperature is +50°C at the highest.

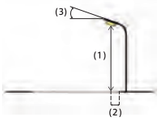
Wide range of input voltage — With an allowable input voltage range of AC 90–305 V, it can operate even in areas with unstable voltage.
※ Performance in the voltage range outside the rated voltage is not guaranteed.

Maintenance & upgrading — In addition to the power source part, we unitized the LED part so it can be replaced or upgraded as a unit.

Simulation of Light Distribution



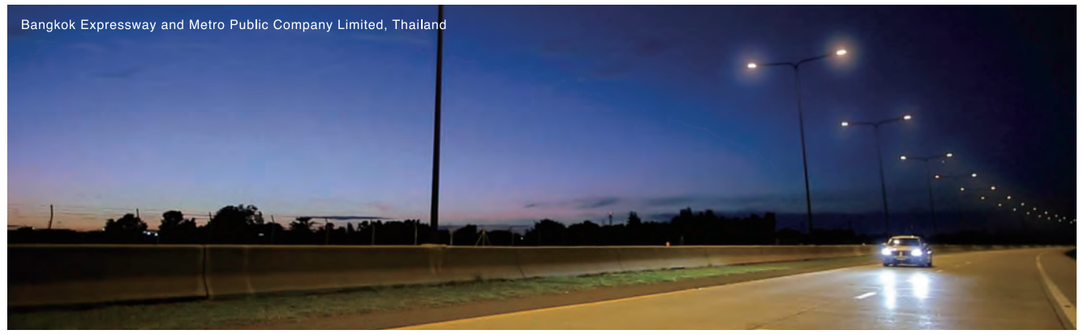
Computational Condition
Number of traffic lanes: 2
Fixture: LLF0139A/LEN1/120/E/IN/A
Installation height (1): 10 m
Overhang (2): 0 m
Inclination angle of the boom (3): 5°
Space between poles: 40 m
Maintenance factor: 0.7



Average brightness: 1.19 cd/m²
Uniformity ratio of illuminance 0.51
Uniformity ratio of illuminance: 0.78
Relative threshold increase: 11%

Part No.	LLF0139A/LEN1/120/E/IN/A	LLF0139A/LEN1/144/E/IN/A	LLF0139A/LEN1/168/E/IN/A
Power Consumption (at 220V)	121W	140W	167W
Rated luminous flux	14,000 lm	16,700 lm	19,700 lm
Energy Consumption	116 lm/W	119 lm/W	118 lm/W
Type of Road	general	general	general

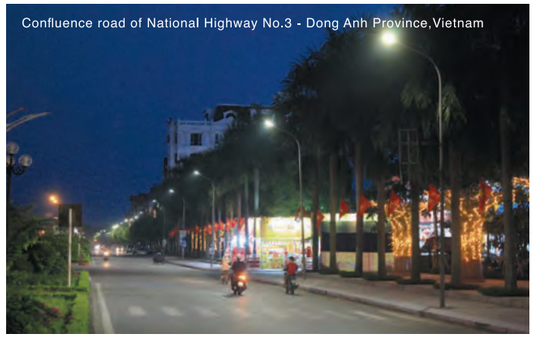
Adoption example


Bangkok Expressway and Metro Public Company Limited, Thailand

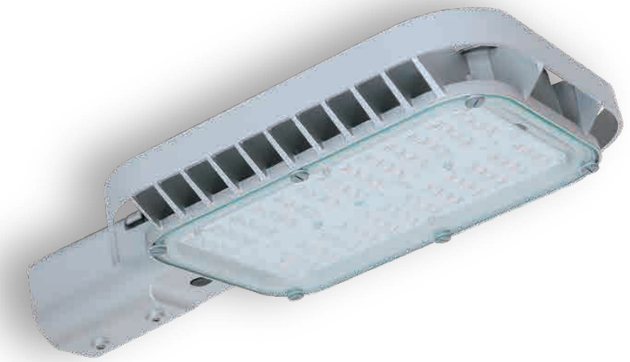

Karawang International Industrial City (KIIC), Indonesia

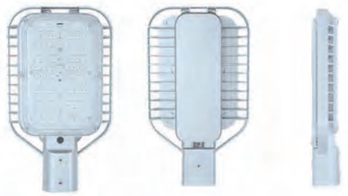

Asia Industrial Estate, a suburb of Bangkok,Thailand


Cao Lo Street - Dong Anh Province,Vietnam


Confluence road of National Highway No.3 - Dong Anh Province,Vietnam

LEDSROAD **LLF0017A**





Heat resistance

Vlbration resistance 2G

UV resistance

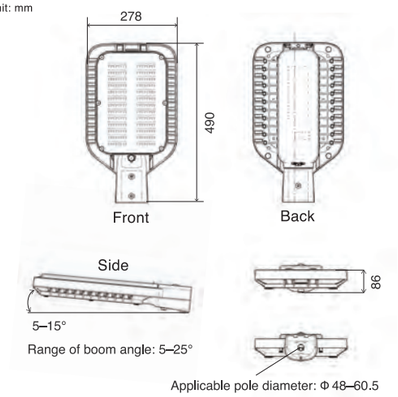
High waterproof IP66

Specifiction

Body: Aluminum die cast, Outer cover: Tempered glass
Color temperature: 4000K
Waterproof and dustproof: IP66
Light source lifetime: 60,000 hours
(lumen maintenance factor 70%)
Shock resistance: IK08
Vibration resistance: 2 G
Ambient temperature: -40–55 °C
Wind resistance: 60 m/s
Input voltage: AC 100–240 V
※42 W type has rated voltage AC 200–240 V
Lightning surge protection pressure resistance:
10 kV (Common mode)
Weight: 5.0 kg

Dimensions

Unit: mm



Sophisticated, compact, and lightweight body for a variety of situations

We created this compact and lightweight body which includes an inbuilt power source.
The risk of insects getting inside the product is very low, because it is designed with high airtightness (IP66), including parts other than the light source.
Its wide light-distribution and high utilization factor allow a minimum number of fixtures needed to be installed.
Installation of this lighting fixture is simple because opening and closing of the cover does not require a tool.

Design that suits urban areas — Implemented optimal control of light distribution with a slim body that matches a variety of scenarios.

High tolerance to UV — Tempered glass is used for the outer lens of the light-emitting part, and the optical lenses are made of acrylic.

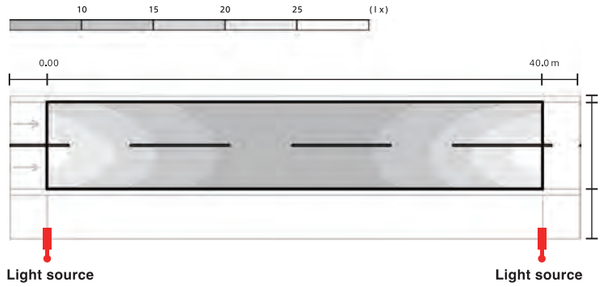
High tolerance to heat — Tolerates ambient temperatures up to 55 °C.

Wide range of input voltage — With an allowable input voltage range of AC 90–305 V, it can operate even in areas with unstable voltage.
※ The input Supports voltages in the range of the 42 W type is AC 160–305 V.
※ Performance in the voltage range outside the rated voltage is not guaranteed.

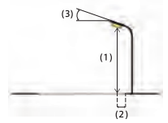
Maintenance & upgrading — In addition to the power source part, we unitized the LED part so it can be replaced or upgraded as a unit.

High brightness & efficiency — Realized an average road surface brightness of 0.95cd/㎡ with power consumption of 90W, while the standard brightness value is EN13201-2 lighting grade ME4a (L≥0.75cd/㎡)
※ For computational conditions, please refer to Simulation of Light Distribution on the upper right corner of the next page.

Simulation of Light Distribution



Computational Condition
Number of traffic lanes: 2
Fixture: LLFO017A/LEN1/104/E/IN/A
Installation height (1): 10.05 m
Overhang (2): 0.7 m
Inclination angle of the boom (3): 5°
Space between poles: 40 m
Maintenance factor: 0.7

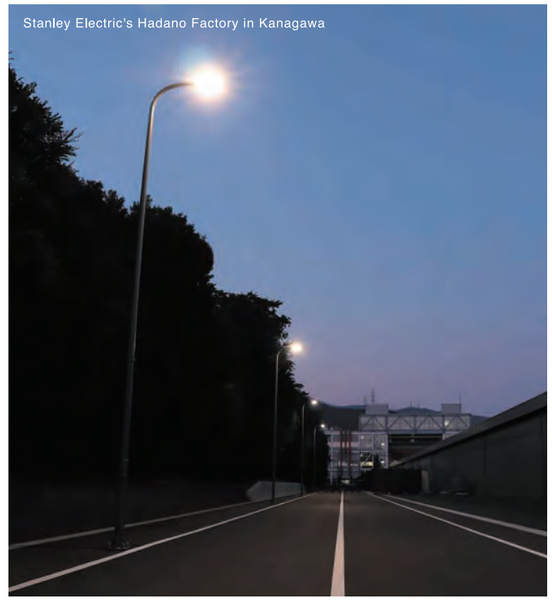


Average brightness: 0.95 cd/m²
Uniformity ratio of illuminance (overall): 0.51
Uniformity ratio of illuminance (longitudinal): 0.75
Relative threshold increase: 13%
Lighting classification: ME4a

Part No.	LLF0017A/LEN1/72/E/IN/A	LLF0017A/LEN1/80/E/IN/A	LLF0017A/LEN1/104/E/IN/A
Power Consumption (at 220 V)	42 W	70 W	90 W
Rated luminous flux	5,300 lm	8,400 lm	11,000 lm
Energy Consumption	126 lm/W	120 lm/W	122 lm/W
Type of Road	General	General	General

Adoption example


Bangkok Expressway and Metro Public Company Limited, Thailand


Stanley Electric's Hadano Factory in Kanagawa


Karawang International Industrial City (KIIC), Indonesia


Asia Industrial Estate, a suburb of Bangkok,Thailand

Heat resistance

Vlbration resistance 2G

Noise resistance

Waterproof IP66 & IP44

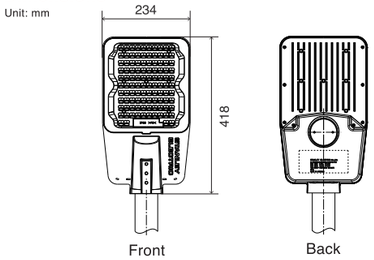
The light on

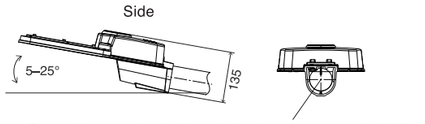
Specifiction

Body: Aluminum die-cast / Lens: Polycarbonate
Color temperature: 4000K
Waterproof and dustproof performance: Cover lens IP66, Back cover IP44
Light source lifespan: 60,000 hours (Luminous flux maintenance rate: 70%)
Impact resistance: IK08
Vibration resistance: 2G
Operating temperature: -10 to 55°C
Wind speed resistance: 60m/s
Rated voltage: AC100-240V
Surge protection voltage: 10kV (Common mode)
Weight: 3kg

Dimensions

Unit: mm





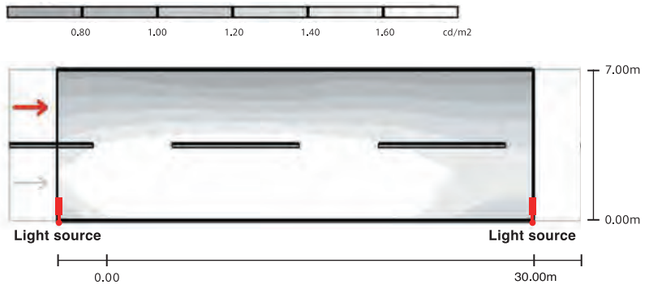
Range of boom angle: 5–15° Applicable pole diameter: Φ 48–60.5

A sleek and compact lightweight body, an LED streetlight that seamlessly blends with urban landscapes.

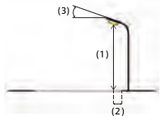
The fixture achieves a compact and lightweight body while incorporating a built-in power supply.
For the waterproof structure of the light source, we adopted hot melt technology, proven in automotive lamps.
With a high-seal design (IP66), there is no concern about the intrusion of insects or other elements.

Design that suits urban areas	Implemented optimal control of light distribution with a slim body that matches a variety of scenarios.
Lightweight design	The unprecedented lightweight design reduces the load on the pole (40% lighter compared to our previous models).
High tolerance to heat	Tolerates ambient temperatures up to 55 °C.
Wide range of input voltage	With an allowable input voltage range of AC 90–305 V, it can operate even in areas with unstable voltage. ※ The input Supports voltages in the range of the 42 W type is AC 160–305 V. ※ Performance in the voltage range outside the rated voltage is not guaranteed.
NEMA compatible as an option	Since NEMA compatibility is available as an option, remote control is possible.
Achieving high efficiency	The 90W type achieves an average road surface brightness of 1.44 cd/㎡, meeting the EN13201-2 lighting standard ME4a (L≥0.75cd/㎡) ※ For computational conditions, please refer to Simulation of Light Distribution on the upper right corner of the next page.

Simulation of Light Distribution



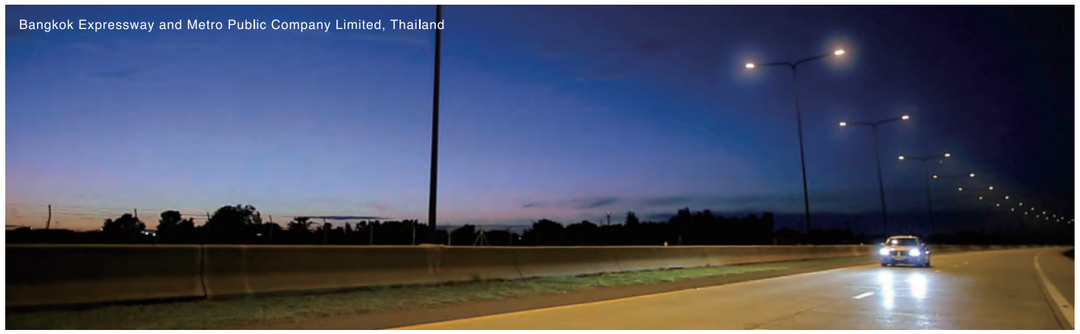
Computational Condition
Number of traffic lanes: 2
Specification of equipment: LLF0263A/LEN1/104/E/IN/A/VN1
Installation height (1): 10 m
Overhang (2): 0 m
Boom tilt angle (3): 9°
Pole spacing: 30 m
Maintenance factor: 0.7



Average brightness: 1.44 cd/m²
Uniformity ratio of illuminance: 0.46
Uniformity ratio of illuminance: 0.63
Relative threshold increase: 6%

Part No.	LLF0263A/LEN1/80/E/IN/A/VN1	LLF0263A/LEN1/104/E/IN/A/VN1
Power Consumption (at 220 V)	70W	90W
Rated luminous flux	9,200lm	12,100lm
Energy Consumption	131lm/W	134lm/W
Type of Road	General	General

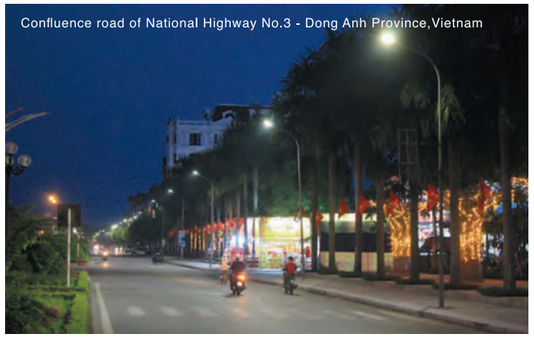
Adoption example


Bangkok Expressway and Metro Public Company Limited, Thailand


Karawang International Industrial City (KIIC), Indonesia


Asia Industrial Estate, a suburb of Bangkok,Thailand


Cao Lo Street - Dong Anh Province,Vietnam

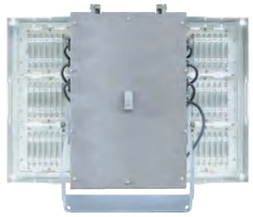

Confluence road of National Highway No.3 - Dong Anh Province,Vietnam

Nippon Yusen ICO Terminal
(Location: Zeebrugge, Belgium)

Buit to withstand harsh environments

LEDSHIGHMAST

Outdoor LED floodlight | LLF0059A LLF0011A LLF0012A



VIbration resistance 2G

Noise resistance

Heavy salt resistance

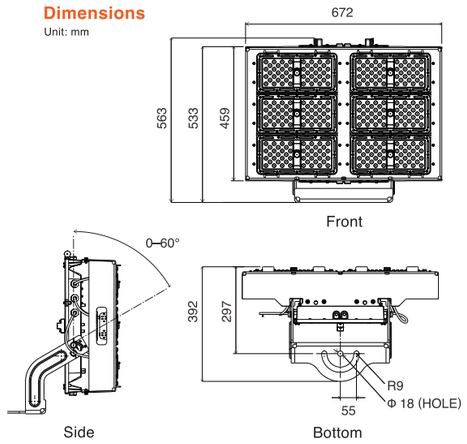
High waterproof IP66

Specifiction

Body: Aluminum sheet metal
Outer cover: Polycarbonate
Power consumption: Consumption: 460 W (at 220 V)
Rated Voltage: AC 100–240 V
Lightning surge protection pressure resistance: 15kV (Common mode)
Color rendering property: Ra72
Ambient temperature: -20–40 °C
Weight: 18.8 kg
Waterproof and dustproof: IP66
Light source lifetime: 60,000 hours (lumen maintenance factor 70%)
Wind resistance: 70 m/s
Power supply: Built in

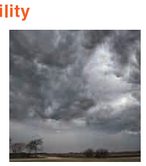
Dimensions

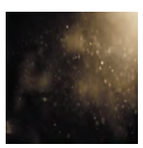
Unit: mm



Excellent durability


UV


Severe weather


Dust


Vibration


Salt damage


Extreme temperature

High luminous flux LED floodlight that meets strict environmental standards at ports and harbors

With dust and water resistance that meets IP66 rating standards, this lighting can be used in coastal areas, which require tolerance to heavy salt.
This product delivers a sufficient quantity of light to irradiate a vast area, and we provide wide and narrow light distributions.

Built to withstand harsh environments — We provide LED floodlights with high quality and reliability, that have passed endurance tests for harsh environments.

Energy efficient & eco-friendly — The higher efficiency enables energy saving and thus contributes to a reduction in greenhouse gases.

Comparison of Energy Efficiency

General Sodium Lamp

Power consumption per unit **940 W**※1 → -51% → **LLF0059A 460 W**

Light source life **12,000 h**※2 → 5 times → **LLF0059A 60,000 h+**

※1 Power consumption per lighting fixture
※2 Lifetime of the light source

Comparison of CO2 Emissions

General Sodium Lamp

Power consumption per 50 units **47 kW**※1 → -51% → **LLF0059A 23 kW**

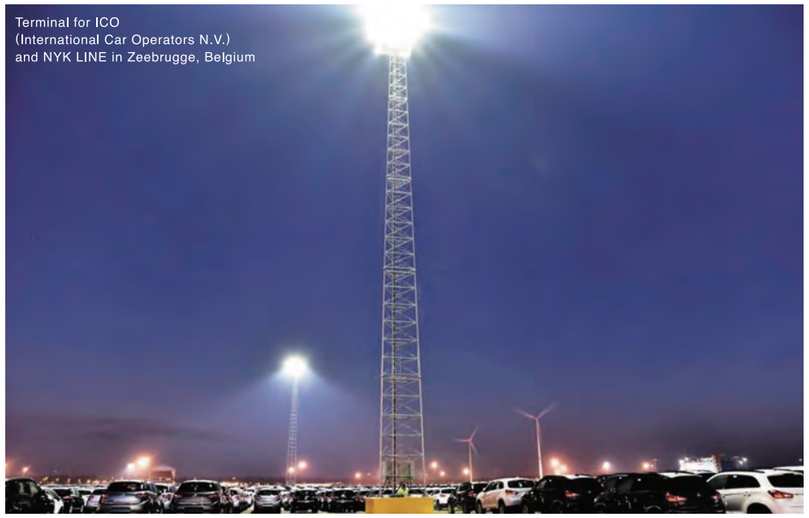
Greenhouse gas emissions (CO2) per 300 days **7.5 t**※2 → -60% → **LLF0059A 3 t**

※1 Power consumption per 50 lighting fixtures
※2 Amount of greenhouse gas (CO2) emission (per 300 days)

Part No.	LLF0059A/145✻/06/J/I/D/N			LLF0059A/145✻/06/E/I/D/N			LLF0059A/145✻/06/C/I/D/N		
Color Temperature	5700K (White)			4000K (Warm white)			3000K (Lamp color)		
Light Distribution Angle	Narrow angle ✻=2	Middle angle ✻=1	Wide angle ✻=0	Narrow angle ✻=5	Middle angle ✻=4	Wide angle ✻=3	Narrow angle ✻=8	Middle angle ✻=7	Wide angle ✻=6
Light Distribution Angle (1/2 beam angle)	15°	32°	46°	15°	32°	46°	15°	32°	46°
Light Distribution Angle (1/10 beam angle)	26°	50°	100°	26°	50°	100°	26°	50°	100°
Rated luminous flux (at 220 V)	63,746 lm			62,130 lm			59,147 lm		
Energy Consumption	139 lm/W			135 lm/W			129 lm/W		

✻=2

Adoption example


Terminal for ICO
(International Car Operators N.V.)
and NYK LINE in Zeebrugge, Belgium

Vlbration resistance 2G

Noise resistance

Heavy salt resistance

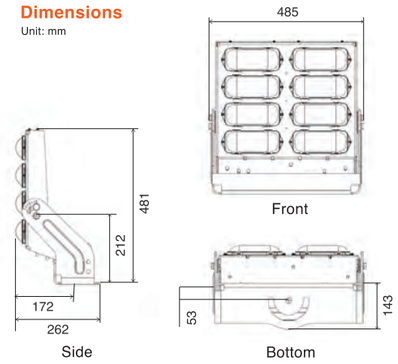
High waterproof IP66

Specifiction

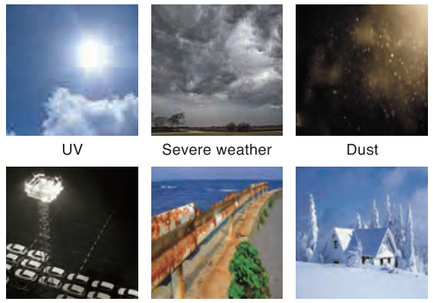
Body: aluminum sheet-metal
Outer cover: Polycarbonate
Color temperature: 5000K
Power Consumption: 340 W(at 220 V)
Rated Voltage: AC 100–240 V
Lightning surge protection pressure resistance: 15kV (Common mode)
Color rendering property: Ra70
Ambient temperature: -20–40 °C
Weight: 13.5 kg
Waterproof and dustproof: IP66
Light source lifetime: 60,000 hours (lumen maintenance factor 70%)
Wind resistance: 60 m/s
Power supply: Built in

Dimensions

Unit: mm



Excellent durability



Excellent durability and high luminous flux even under various unfavorable conditions and in poor environments

With dust and water resistance that meets IP66 rating standards, this lighting can be used in coastal areas, which require tolerance to heavy salt.
This product delivers a sufficient quantity of light to irradiate a vast area, and we provide wide and narrow light distributions.

Built to withstand harsh environments — We provide LED floodlights with high quality and reliability, that have passed endurance tests for harsh environments.

Energy efficient & eco-friendly — The higher efficiency enables energy saving and thus contributes to a reduction in greenhouse gases.

Comparison of Energy Efficiency

General Sodium Lamp

Power consumption per unit 940 W※1 → -64% → LLF0011A 340 W

Light source life 12,000 h※2 → 5 times → LLF0011A 60,000 h+

※1 Power consumption per lighting fixture
※2 Lifetime of the light source

Comparison of CO2 Emissions

General Sodium Lamp

Power consumption per 50 units 47 kW※1 → -65% → LLF0011A 16.5 kW

Greenhouse gas emissions (CO2) per 300 days 7.5 t※2 → -67% → LLF0011A 2.5 t

※1 Power consumption per 50 lighting fixtures
※2 Amount of greenhouse gas (CO2) emission (per 300 days)

Part No.	LLF0011A/FLOODLIGHT 3	LLF0011A/FLOODLIGHT 1
Color Temperature	5000K (White)	5000K (White)
Light Distribution Angle	(Narrow angle)	(Wide angle)
Light Distribution Angle (1/2 beam angle)	19°	72°
Light Distribution Angle (1/10 beam angle)	35°	102°
Rated luminous flux (at 220 V)	38,400 lm	40,800 lm
Energy Consumption	113 lm/W	120 lm/W

Adoption example

Vibration resistance 5G

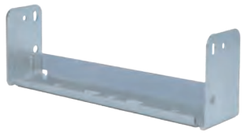
Noise resistance

Heavy salt resistance

High waterproof IP66

Horizontal bracket
(Bottom)

Direct mount bracket

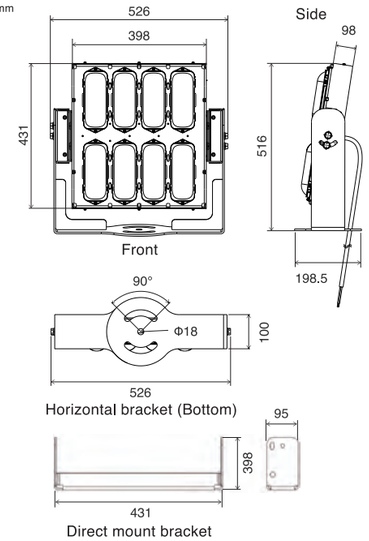


Specifiction

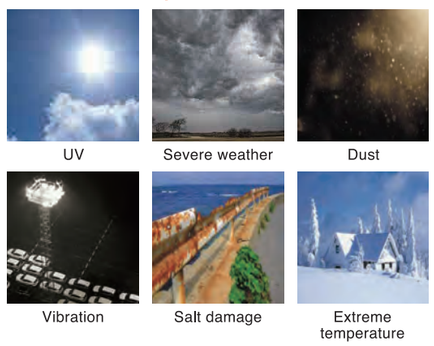
Body: Aluminum sheet metal
Outer cover: Polycarbonate
Power consumption: Consumption: 335 W (at 220 V)
Rated Voltage: AC 100–240 V
Lightning surge protection pressure resistance:
15kV (Common mode)
Ambient temperature: -30–50 °C
Weight: 12.5 kg
Waterproof and dustproof: IP66
Light source lifetime: 60,000 hours
(lumen maintenance factor 70%)
Wind resistance: 60 m/s
Power source: dedicated power source (sold separately)
Attachment arm: Horizontal bracket type
and direct mount bracket type (Product name-2)

Dimensions

Unit: mm



Excellent durability



UV | Severe weather | Dust

Vibration | Salt damage | Extreme temperature

Excellent vibration resistance, ideal for installation in port facilities

In order to enable its use in harsh environments,
we used as a base an existing lighting fixture with a track record
of use in extremely salty areas.
We also analyzed what part of the fixture would be most affected by shocks
when used on a crane, and developed the arm with special quake-proof performance.

Quake-proof structure — The mounting arm features vibration-damping rubber, making it suitable for use in environments subject to vibration and impact, such as gantry cranes.

Heavy duty — We provide high quality and reliable LED floodlights which have passed harsh environment endurance tests.

Energy efficient & eco-friendly — The higher efficiency enables energy saving and thus contributes to a reduction in greenhouse gases.

Comparison of Energy Efficiency

General Sodium Lamp

Power consumption per unit 940 W※1 → -62% → **LLF0012A 355 W**

Light source life 12,000 h※2 → 5 times → **LLF0012A 60,000 h+**

※1 Power consumption per lighting fixture
※2 Lifetime of the light source

Comparison of CO2 Emissions

General Sodium Lamp

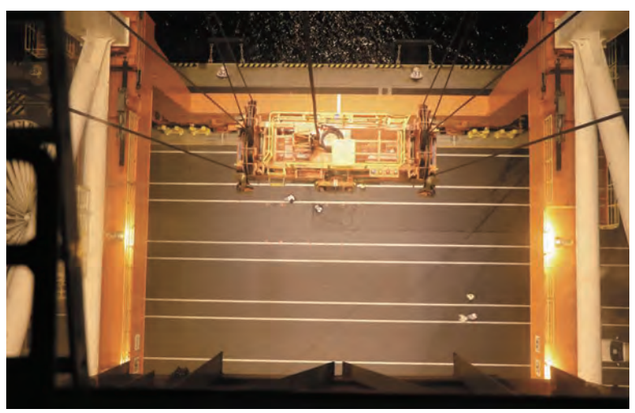
Power consumption per 50 units 47 kW※1 → -64% → **LLF0012A 17 kW**

Greenhouse gas emissions (CO2) per 300 days 7.5 t → -67% → **LLF0012A 2.5 t**

※1 Power consumption per 50 lighting fixtures
※2 Amount of greenhouse gas (CO2) emission (per 300 days)

Part No.	LLF0012A/ FLOODLIGHT 3	LLF0012A/ FLOODLIGHT 2	LLF0012A/ FLOODLIGHT 1	LLF0012A/ FLOODLIGHT 33	LLF0012A/ FLOODLIGHT 23	LLF0012A/ FLOODLIGHT 13
Color Temperature		5000K (White)			3000K (Lamp color)	
Light Distribution Angle	Narrow angle	Meddle angle	Wide angle	Narrow angle	Meddle angle	Wide angle
Light Distribution Angle (1/2 beam angle)	19°	22°	73°	19°	22°	73°
Light Distribution Angle (1/10 beam angle)	35°	58°	98°	35°	58°	98°
Rated luminous flux (at 220 V)	38,400 lm	39,600 lm	40,800 lm	35,200 lm	36,000 lm	36,800 lm
Energy Consumption	115 lm/W	118 lm/W	122 lm/W	105 lm/W	107 lm/W	110 lm/W

Adoption example



Sapporo Ryutsu System Co., Ltd. (Location: Hokkaido)

Remarkably thin and light

LLF0058A

Light that encourages fish growth

LLF0110A

LEDSHIGHBAY

LED indoor Lighting | LLF0058A

LED lighting for fish farming | LLF0110A

Vlbration resistance 1G

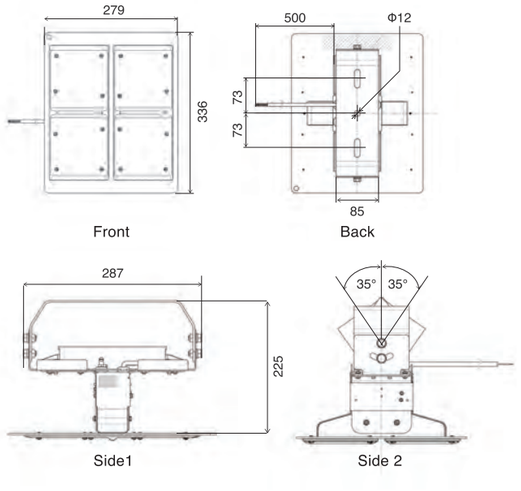
Noise resistance

Specifiction

Body: Aluminum sheet metal
Rated Voltage: AC 100–240 V
Ambient temperature: -20–45 °C
Waterproof and dustproof: IP20
Light source lifetime: 60,000 hours
(lumen maintenance factor 70%)
1/2 beam angle: 120°

Dimensions 2-module type (111 W)

Unit: mm



Built-in power supply

Excellent vibration resistance and a lightweight, thin body, making it ideal for ensuring brightness in factories, warehouses, etc.

The housing structure uses aluminum yet is strong,
making the product lightweight and giving it a unified color.

Innovative maintenance-free design / The body is thinner because we made the light-emitting part thin by not using the conventional radiation fin.

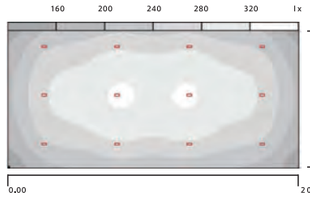
Lightweight / Helps reducing the person-hours needed for installation.

Angle adjustment / The angle of light can easily be adjusted after installation, because the range of motion of this fixture is 35° in both the right and left directions.

Wide range of input voltage / Supports voltages in the range of AC 90–305 V; usable in regions with unstable voltage.

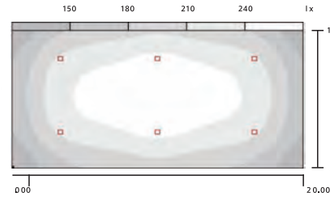
Simulation of Light Distribution

1 module 5000K



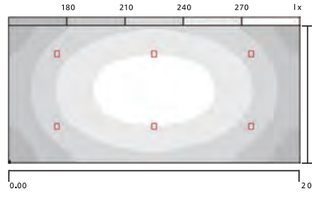
Computational Conditions
Installation height: 5 m
Reflectivity (ceiling, wall, floor): 30% 30% 10%
Maintenance factor: 0.8
Average illuminance: 255 lx
Number of lighting fixture: 12
Uniformity ratio of illuminance: 0.52

2 module 5000K



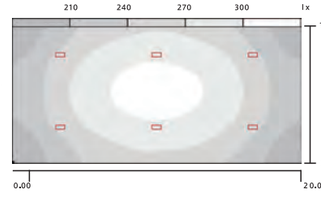
Computational Conditions
Installation height: 7 m
Reflectivity (ceiling, wall, floor): 30% 30% 10%
Maintenance factor: 0.8
Average illuminance: 211 lx
Number of lighting fixture: 6
Uniformity ratio of illuminance: 0.57

3 module 5000K



Computational Conditions
Installation height: 10 m
Reflectivity (ceiling, wall, floor): 30% 30% 10%
Maintenance factor: 0.8
Average illuminance: 233 lx
Number of lighting fixture: 6
Uniformity ratio of illuminance: 0.66

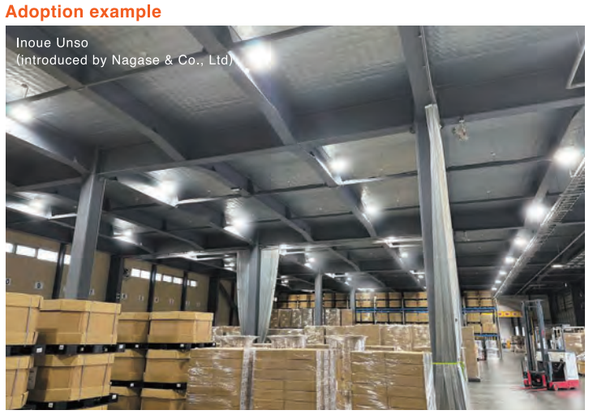
4 module 5000K



Computational Conditions
Installation height: 12 m
Reflectivity (ceiling, wall, floor): 30% 30% 10%
Maintenance factor: 0.8
Average illuminance: 257 lx
Number of lighting fixture: 6
Uniformity ratio of illuminance: 0.70

Part No.	LLF0058A/ 1400/01/G/IN/A	LLF0058A/ 1400/02/G/IN/A	LLF0058A/ 1400/03/G/IN/A	LLF0058A/ 1400/04/G/IN/A	LLF0058A/ 1400/01/C/IN/A	LLF0058A/ 1400/02/C/IN/A	LLF0058A/ 1400/03/C/IN/A	LLF0058A/ 1400/04/C/IN/A
Color Temp.	5000K				3000K			
Module Type	1	2	3	4	1	2	3	4
Power Consumption (at 220 V)	56 W	111 W	163 W	215 W	56 W	111 W	163 W	215 W
Rated luminous flux	8,420 lm	16,850 lm	25,300lm	33,700 lm	8,000 lm	16,000 lm	24,000 lm	32,000 lm
Intrinsic Energy Consumption Efficiency (at 220V)	150 lm/W	152 lm/W	155 lm/W	157 lm/W	143 lm/W	144 lm/W	147 lm/W	148 lm/W
Weight	2.2 kg	2.8 kg	4.2 kg	5.7 kg	2.2 kg	2.9 kg	4.2 kg	5.7 kg

Adoption example


Inoue Unso
(introduced by Nagase & Co., Ltd.)


Lights insid;the pit of B-Quik, Thailand


Sapporo Ryutsu System Co., Ltd. (Location: Hokkaido)

Noise resistance

Heavy salt resistance

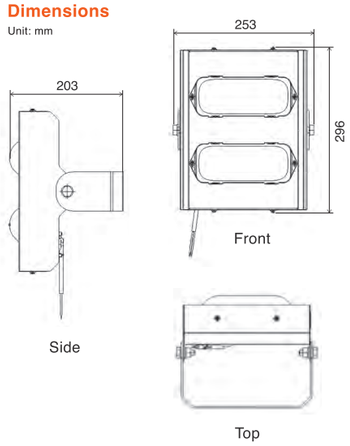
High waterproof IP65

Specifiction

Body: Aluminum sheet metal
Luminous color: Green, Red
Power consumption: 43 W (at Green AC 100 V)
Rated Voltage: AC 100–240 V
Rated luminous flux: 4,300 lm (Green)
Intrinsic energy consumption efficiency: 100 lm/W (Green)
Ambient temperature: -10–35 °C
Weight: 3 kg
Waterproof and dustproof: IP65
Light source lifetime: 40,000 hours
(lumen maintenance factor 70%)
Power supply: Separate (Includes dedicated power supply)

Dimensions

Unit: mm

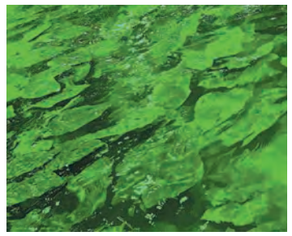


Color variations

Green (LLF0110A/LIGHTING EQU2)

Red (LLF0110A/LIGHTING EQU1)

Adoption example

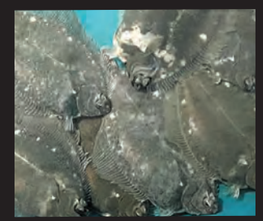


Light that can accelerate fish growth

The use of this lighting in fish farming can shorten the time from the start of farming to shipping.
This lighting has been proven effective by universities and fishery research institutes.

Acceleration of fish growth	The use of this lighting in fish farming allows fish to eat more food than usual and thus grow faster.
Color variations	The main color is green, which has a proven track record of promoting growth in flounder species. Red is also available, allowing you to choose the lighting color according to the species you wish to grow.
Waterproof and dustproof structure	IP65 for environments exposed to water.

Contributing to a Sustainable Food Supply Through the Power of Light



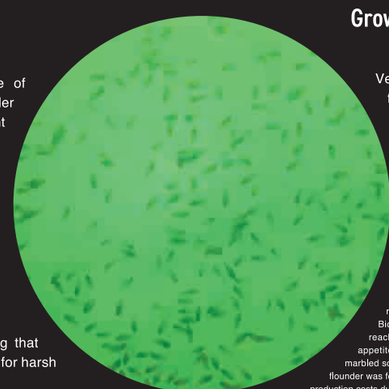
We all love seeing delicious fish lining our dining tables. In order to preserve the limited fishery resources for the future, efforts and research are currently being advanced in Japan in the fish farming industry. Stanley has been offering its proprietary technologies with the aim of "contributing to a sustainable food supply through the power of light." Amid the efforts of various companies, the "optical aquaculture technology using LEDs," in which Stanley has participated, has been attracting attention in recent years. In experiments conducted by irradiating fish with green LED projection lighting jointly developed with Kitasato University and the Kanagawa Prefectural Fisheries Technology Center, it was found that the LEDs promoted the growth of marbled sole. As a result, this technology is already being put to practical use.

What kind of lighting can promote the growth of fish?

"Optical aquaculture" increases the growth rate of cultured flatfish such as flounder and pacific flounder by exposing them to green LEDs and other light sources. Stanley Electric participated as a joint researcher in this optical aquaculture project and developed a specially designed indoor floodlight "LLF0110A." The growth of farmed fish was promoted by irradiating them with green LEDs, as opposed to filter-type fluorescent lamps.

Specially designed projection lighting for harsh environments

This is specially designed LED projection lighting that meets the demand for a maintenance-free solution for harsh indoor environments that utilize seawater.
It provides uniform luminescence using non-filter type green and red LEDs. It is IP65 rated for environments exposed to water.



Growth rate of flounder and sole 1.6 times faster!!

Verification of the growth acceleration effect conducted at a flounder farm in Oita Prefecture demonstrated that irradiating flounder with Stanley's fish-farm lighting had the effect of accelerating growth by approximately 1.6 times the average weight of the fish compared to normal rearing. This results in a turnaround time for shipments that is three months earlier than usual. The shortened shipping time also contributes to significant cost reductions. As for the taste, the flounder raised in fish-farm lighting seem to be well received, and are described as being "just as tasty as normal flounder."

Why is flounder activity stimulated by green light? Although it can be inferred from the research results, Professor Akiyoshi Takahashi of Kitasato University's School of Marine Biosciences suggested that "It is likely that the green light is similar to the green light that reaches flounder in their natural habitat on the seafloor, and this increases their activity and appetite." The effectiveness of this technology was confirmed in flounder, spotted halibut, and marbled sole, and over a one-year and one-month rearing test, the average weight of LED-irradiated flounder was found to be approximately 1.6 times greater than that of normally-reared flounder. Estimated production costs during the breeding period showed that while normal breeding costs 1,435 yen per 1 kg of fish, the area with the LEDs cost only 1,254 yen per 1 kg of fish, a decrease of 181 yen (about 13%).※1

※1 According to [Agriculture, Forestry and Fisheries Research Center, Research Now] vol. 87

1 LEDSFOCUS Landscape Lighting

■LEDSFOCUS PRO ■LED foodlight (ultra narrow angle–medium angle light distribution) ■LLF0111A/LWWD065 ■LLF0111A ■LLF0112A ■LLF0113A

NEW

LLF0111A / LWWD065
FULL COLOR & Dimmable Type

LLF0111A

LLF0112A

LLF0113A

Description of part No. LLF0111A / LWWD065 / F1X / □□ / S / BK / □ / C / □□ / 1
(a / b / c / d)

● Full color type

a	Light distribution angle	05 : 5°, 10 : 10° , 20 : 20° , 30 : 30°
b	Body color	BK: Charcoal gray
c	Control	G: DMX dimmable (Curve Linear), T: DMX dimmable (Curve Linear, with termination resistance)
d	Standards	UL: UL/cUL, CE: CE/PSE

Description of part No. LLF□□□□A / □□□□□□□ / □□ / □ / □□ / □ / BK / □ / □ / □□ / □
(a / b / c / d / e / f / g / h / i / j / k)

● Narrow angle type

a , b	Main type	LLF0111A / LWWD035, LLF0112A / MWWD017, LLF0113A / SWWD007
c	Color of light source	22: 2200K, 27: 2700K, 30: 3000K, 40: 4000K, 50: 5000K, 57: 5700K, 65: 6500K, YE: Gold
d	Color rendering	X: ≥Ra70, T: ≥Ra60, N: None
e	Light distribution angle	XN: Extra Narrow 1.5°, VN: Very Narrow 2.5°, 03 : 3°, 04 : 4°, 05 : 5°, 06 : 6°, 07 : 7°, 08 : 8°, 09 : 9°
f	Installation type	S: Standard installation
g	Body color	BK: Charcoal gray
h	Control	S: On/Off control, C: DALI dimmable [Curve: Log], F: DALI dimmable [Curve: Linear], D: DMX dimmable [Curve: Log], G: DMX dimmable [Curve: Linear] (LLF0113A On/Off only)
i	Coating	C: Heavy salt resistance
j	Standards	CE: CE/PSE, TS: TIS, UL: UL/cUL (LLF0113A and DALI control are not compatible)
k	Version No.	1: Version 1

● Medium angle type

a , b	Main type	LLF0111A / LWWD056, LLF0112A / MWWD028, LLF0113A / SWWD010
c	Color of light source	22: 2200K, 27: 2700K, 30: 3000K, 40: 4000K, 50: 5000K, 57: 5700K, 65: 6500K, YE: Gold
d	Color rendering	X: ≥Ra70, T: ≥Ra60, N: None
e	Light distribution angle	10 : 10° , 20 : 20° , 30 : 30° , 50 : 50°
f	Installation type	S: Standard installation
g	Body color	BK: Charcoal gray
h	Control	S: On/Off control, C: DALI dimmable [Curve: Log], F: DALI dimmable [Curve: Linear], D: DMX dimmable [Curve: Log], G: DMX dimmable [Curve: Linear] (LLF0113A On/Off only)
i	Coating	C: Heavy salt resistance
j	Standards	CE: CE/PSE (2200K conform only PSE standard.), TS: TIS, UL: UL/cUL (LLF0113A and DALI control are not compatible)
k	Version No.	1: Version 1

■LEDSFOCUS ■LED floodlight with ultra-narrow light distribution ■LLM0545A

LLM0545A

Part No.	1/2 beam angle	Color	UL	CE	PSE
LLM0545A_UZ / FLOODLIGHT23	2.5°	3000K	○	○	—
LLM0545A_UZ / FLOODLIGHT24		4000K	○	○	—
LLM0545A_UZ / FLOODLIGHT265		6500K	○	○	—
LLM0545A_UZ / FLOODLIGHT26		Red	○	○	—
LLM0545A_UZ / FLOODLIGHT27		Green	○	○	—
LLM0545A_UZ / FLOODLIGHT28		Blue	○	○	—
LLM0545A_UE / FLOODLIGHT32	3°	2200K	○	○	—
LLM0545A_UE / FLOODLIGHT33		3000K	○	○	—
LLM0545A_UE / FLOODLIGHT34		4000K	○	○	—
LLM0545A_UE		5700K	○	○	—
LLM0545A_UE / FLOODLIGHT36		Red	○	○	—
LLM0545A_UE / FLOODLIGHT37		Green	○	○	—
LLM0545A_UE / FLOODLIGHT38		Blue	○	○	—
LLM0545A_UE / FLOODLIGHT39		Amber	○	○	—
LLM0545A_UG / FLOODLIGHT53	5°	3000K	○	○	—
LLM0545A_UG / FLOODLIGHT54		4000K	○	○	—
LLM0545A_UG		5700K	○	○	—
LLM0545A / BRACKET2 Bracket		—	—	—	—
LLP0028A / MU040A070AQ (IP67) Power supply		—	—	—	—
LLM0545A-UZ / CABLE1 Cable 10 m		—	—	—	—

● Option

■LEDSFOCUS ■LED spotlight with ultra-narrow light distribution ■LLM0854A

LLM0854A

Part No.	1/2 beam angle	Color	UL	CE	PSE
LLM0854A / LIGHTING EQU30	2.5°	3000K	—	○	—
LLM0854A / LIGHTING EQU40		4000K	—	○	—
LLM0854A / LIGHTING EQU50		5000K	—	○	—
LLM0854A / LIGHTING EQU60		Red	—	○	—
LLM0854A / LIGHTING EQU70		Green	—	○	—
LLM0854A / LIGHTING EQU80		Blue	—	○	—
LLM0854A / BRACKET3 Bracket		—	—	—	—

● Option

•UL, CE, PSE, TIS: We update the evaluation contents of our products as necessary in accordance with revisions to compatible standards and technical standards. Depending on the situation, evaluations may not have been completed in accordance with the latest compatible standards or technical standards.

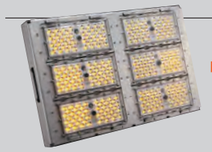
■LEDSFOCUS GOLD ■LED floodlight with ultra-narrow light distribution ■LLM0545A

LLM0545A

Part No.	1/2 beam angle	Color	UL	CE	PSE
LLM0545A_UB / FLOODLIGHT40	4×3° (ellipse)	Gold	—	○	—
LLM0545A / BRACKET2 Bracket	—	—	—	—	—
LLM0545A-UZ / CABLE1 Cable 10 m	—	—	—	—	—

● Option

■LEDSFOCUS GOLD ■Outdoor LED floodlight ■LLF0059A



LLF0059A

Part No.	1/10 beam angle	Color	UL	CE	PSE
LLF0059A / 1492 / 06 / O / I / U / O	Wide angle 100°	Gold	—	○	○
LLF0059A / 1493 / 06 / O / I / U / O	Medium angle 50°	Gold	—	○	○
LLF0059A / 1494 / 06 / O / I / U / O	Narrow angle 26°	Gold	—	○	○

■LEDSFOCUS LINE ■LED linear lighting ■LLM1389A

LLM1389A

Part No.	1/2 beam angle	Color	UL	CE	PSE
LLM1389A / LIGHTING EQU30	2.5°	3000K	—	○	—
LLM1389A / LIGHTING EQU40		4000K	—	○	—
LLM1389A / LIGHTING EQU50		5000K	—	○	—
LLM1389A / LIGHTING EQU60	2.8°	Red	—	○	—
LLM1389A / LIGHTING EQU70	2.5°	Green	—	○	—
LLM1389A / LIGHTING EQU80		Blue	—	○	—
LLM1389A / LIGHTING EQU90	2.8°	Amber	—	○	—
LLM0854A / BRACKET3 Bracket		—	—	—	—

● Option

■LEDSFOCUS ■LED spotlight with ultra-narrow light distribution ■LLM1549A

LLM1549A

Part No.	Color	UL	CE	PSE
LLM1549A / LIGHTING EQU10 (Power line / Earth line, each 1000 mm)	Blue green	—	—	—
LLM1549A / LIGHTING EQU15 (Power line / Earth line, each 1500 mm)	Blue green	—	○	—
LLM0854A / BRACKET3 Bracket				

● Option

2 LEDS HIGHLIGHT LED Graphic Unit

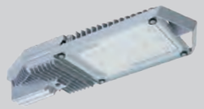
■LEDS HIGHLIGHT ■LED graphic unit ■LLF0110A

LLM1546A

Part No.	Light source color	Flashing interval (sec)	UL	CE	PSE
LLM1546A/LIGHTING EQU1	Green	0.9	—	—	—
LLM1546A/LIGHTING EQU2		0.6	—	—	—
LLM1546A/LIGHTING EQU3		0.3	—	—	—
LLM1546A/LIGHTING EQU4	White	0.9	—	—	—
LLM1546A/LIGHTING EQU5		0.6	—	—	—
LLM1546A/LIGHTING EQU6		0.3	—	—	—
LLM1546A/LIGHTING EQU7	Blue	0.9	—	—	—
LLM1546A/LIGHTING EQU8		0.6	—	—	—
LLM1546A/LIGHTING EQU9		0.3	—	—	—
LLM1546A/LIGHTING EQU10	Amber	0.9	—	—	—
LLM1546A/LIGHTING EQU11		0.6	—	—	—
LLM1546A/LIGHTING EQU12		0.3	—	—	—
LLM1546A/LIGHTING EQU13	Red	0.9	—	—	—
LLM1546A/LIGHTING EQU14		0.6	—	—	—
LLM1546A/LIGHTING EQU15		0.3	—	—	—

3 LEDSROAD Road Lighting

■LEDSROAD ■LED road lighting ■LLF0016A



LLF0016A

Part No.	Power consumption (W) at 220 V	Light source luminous flux (lm)	Color temperature	TIS	CE	PSE
LLF0016A/LEN1/56/E/IN/A	117	15,000	4000K	○	—	—
LLF0016A/LEN2/56/E/IN/A				○	—	—
LLF0016A/LEN3/56/E/IN/A				○	—	—
LLF0016A/LEN1/64/E/IN/A	134	17,200		○	—	—
LLF0016A/LEN2/64/E/IN/A				○	—	—
LLF0016A/LEN3/64/E/IN/A				○	—	—
LLF0016A/LEN1/72/E/IN/A	150	19,400		○	—	—
LLF0016A/LEN2/72/E/IN/A				○	—	—
LLF0016A/LEN3/72/E/IN/A				○	—	—
LLF0016A/LEN1/76/E/IN/A	159	20,400		○	—	—
LLF0016A/LEN2/76/E/IN/A				○	—	—
LLF0016A/LEN3/76/E/IN/A				○	—	—
LLF0016A/LEN1/80/E/IN/A	167	21,500		○	—	—
LLF0016A/LEN2/80/E/IN/A				○	—	—
LLF0016A/LEN3/80/E/IN/A				○	—	—
LLF0016A/LEN1/96/E/IN/A	202	25,800		○	—	—
LLF0016A/LEN2/96/E/IN/A				○	—	—
LLF0016A/LEN3/96/E/IN/A				○	—	—

•UL, CE, PSE, TIS: We update the evaluation contents of our products as necessary in accordance with revisions to compatible standards and technical standards. Depending on the situation, evaluations may not have been completed in accordance with the latest compatible standards or technical standards.

■LEDSROAD ■LED road lighting ■LLF0139A

LLF0139A

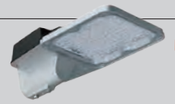
Part No.	Power consumption (W) at 220 V	Light source luminous flux (lm)	Color temperature	TIS	CE	PSE
LLF0139A/LEN1/120/E/IN/A	121	14,000	4000K	○	—	—
LLF0139A/LEN1/144/E/IN/A	140	16,700		○	—	—
LLF0139A/LEN1/168/E/IN/A	167	19,700		○	—	—

■LEDSROAD ■LED road lighting ■LLF0017A

LLF0017A

Part No.	Power consumption (W) at 220 V	Light source luminous flux (lm)	Color temperature	TIS	CE	PSE
LLF0017A/LEN1/72/E/IN/A	42	5,300	4000K	○	—	—
LLF0017A/LEN1/80/E/IN/A	70	8,400		○	—	—
LLF0017A/LEN1/104/E/IN/A	90	11,000		○	—	—

■LEDSROAD ■LED road lighting ■LLF0263A



LLF0263A

Part No.	Power consumption (W) at 220 V	Light source luminous flux (lm)	Color temperature	TCVN	CE	PSE
LLF0263A/LEN1/80/E/IN/A/VN1	70	9,200	4000K	○	—	—
LLF0263A/LEN1/104/E/IN/A/VN1	90	12,100		○	—	—

4 LEDSHIGHMAST Special Outdoor Lighting

■LEDSHIGHMAST ■Outdoor LED floodlight ■LLF0059A

LLF0059A

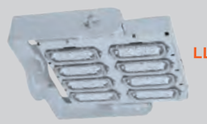
Part No.	1/10 beam angle	Color	TIS	CE	PSE
LLF0059A/1450/06/J/1/D/N	Wide angle 100°	5700K	○	○	○
LLF0059A/1451/06/1/1/D/N	Medium angle 50°		○	○	○
LLF0059A/1452/06/J/1/D/N	Narrow angle 26°		○	○	○
LLF0059A/1453/06/E/1/D/N	Wide angle 100°	4000K	○	○	○
LLF0059A/1454/06/E/1/D/N	Medium angle 50°		○	○	○
LLF0059A/1455/06/E/1/D/N	Narrow angle 26°		○	○	○
LLF0059A/1456/06/C/1/D/N	Wide angle 100°	3000K	○	○	○
LLF0059A/1457/06/C/1/D/N	Medium angle 50°		○	○	○
LLF0059A/1458/06/C/1/D/N	Narrow angle 26°		○	○	○

■LEDSHIGHMAST ■Outdoor LED floodlight ■LLF0011A

LLF0011A

Part No.	1/2 beam angle	Color temperature	UL	CE	PSE
LLF0011A/FLOODLIGHT 1	Wide angle 72°	5000K	—	○	○
LLF0011A/FLOODLIGHT 3	Narrow angle 19°		—	○	○

■LEDSHIGHMAST ■Outdoor LED floodlight ■LLF0012A



LLF0012A

Part No.	1/2 beam angle	Color temperature	UL	CE	PSE
LLF0012A/FLOODLIGHT 1 (horizontal)	Wide angle 73°	5000K	—	○	○
LLF0012A/FLOODLIGHT 2 (horizontal)	Medium angle 22°		—	○	○
LLF0012A/FLOODLIGHT 3 (horizontal)	Narrow angle 19°		—	○	○
LLF0012A/FLOODLIGHT 13 (horizontal)	Wide angle 73°	3000K	—	○	○
LLF0012A/FLOODLIGHT 23 (horizontal)	Medium angle 22°		—	○	○
LLF0012A/FLOODLIGHT 33 (horizontal)	Narrow angle 19°		—	○	○

※Direct mounting bracket type is product name-2. ●Option LLP0060A/EUD-480S140 DV (CE/PSE)

5 LEDSHIGHBAY Indoor Maintenance-Free Lighting

■LEDSHIGHBAY ■LED indoor Lighting ■LLF0058A

LLF0058A

Part No.	Modules	Power Consumption (W) at 220 V	Color temperature	TIS	CE	PSE
LLF0058A/1400/01/C/IN/A	1	56	3000K	○	○	○
LLF0058A/1400/02/C/IN/A	2	111		○	○	○
LLF0058A/1400/03/C/IN/A	3	163		○	○	○
LLF0058A/1400/04/C/IN/A	4	215		○	○	○
LLF0058A/1400/01/G/IN/A	1	56	5000K	○	○	○
LLF0058A/1400/02/G/IN/A	2	111		○	○	○
LLF0058A/1400/03/G/IN/A	3	163		○	○	○
LLF0058A/1400/04/G/IN/A	4	215		○	○	○

■LEDSHIGHBAY ■LED lighting for fish farming ■LLF0110A

LLF0110A

Part No.	Power consumption (W) at 100 V	Color	UL	CE	PSE
LLF0110A/LIGHTING EQU1	34	Red	—	—	○
LLF0110A/LIGHTING EQU2	43	Green	—	—	○

●UL, CE, PSE, TIS: We update the evaluation contents of our products as necessary in accordance with revisions to compatible standards and technical standards. Depending on the situation, evaluations may not have been completed in accordance with the latest compatible standards or technical standards.

※Some of the circles (○'s) in CE and PSE show on-going plans.

Precautions for Use

WARNING

Failure to observe the instructions can result in death or serious injury.

- When conducting maintenance of the product, follow the instruction manual. Failure to do so can result in the product falling, electric shock, or fire.
- When conducting maintenance of the product, be sure to turn off the power. Failure to do so can result in electric shock.
- Do not repair, dismantle, or modify the product on your own. Doing so can result in the product falling, electric shock, or fire.
- The light source uses LED of high brightness. Do not look directly at the light source part.

CAUTION: ELECTRIC SHOCK

Replacement of the lighting fixture's light source or power source should be conducted only by the manufacturer, agent(s) on behalf of the manufacturer, or personnel with equivalent qualification.

CAUTION

Failure to observe the instructions can result in risk of injury.

- Lighting fixtures work only within a certain lifetime.
- When conducting maintenance of the product, be sure to turn off the power and to wait until it cools down enough. Failure to do so can result in burns.
- High temperatures shorten the product's life.
- In case of any sign of abnormality, turn off the power immediately and contact the distributor even if it is within the lifetime.
  Use under abnormal conditions may result in fire or electric shock.
- Do not turn on the light during the daytime, unless it is a temporary lighting check during installation (outdoor use).
  Exposure to direct sunlight causes the lighting fixture to heat up, therefore turning it on will increase its inner temperature.
- In case of use in snowy areas, remove snow so that the lighting fixture does not get buried in snow (outdoor use).
- Cleaning the lenses once per year is recommended because the light may loose intensity when they are dirty.
  Brightness will be regained if stains are wiped off.
- For safety reasons, conduct a self check at least once a year.
- Have the product inspected at least every three years by a specialist such as an electrician or installer etc.
  (When more than three years has passed, inspection needs to be done thoroughly.
  Use under abnormal conditions may result in smoke, ignition, electric shock, or the product falling)
- Please note that LED dies have a natural tolerance in specification, therefore light color or brightness may vary even within lighting equipment of the same model number.

Maintenance

- Be sure to turn off the power switch before conducting maintenance of the fixture.
  The fixture remains hot shortly after it is turned off, so please wait some time (20-30 minutes) before conducting maintenance.
- When cleaning the outer surface of the fixture or the cover, wipe with a soft cloth that has been soaked in water or neutral soap suds and wrung well.
- Do not wipe with volatile products such as thinner or benzene or with acidic or alkaline solutions. Doing so may cause discoloration or deformation.
- Do not pour water over the fixture directly, for example, with a hose. Do not use a mop or deck brush for cleaning. It may cause inundation into the fixture or damage to the fixture.

Warranty

Please conduct an incoming inspection at your company promptly after delivery and make a quality judgement.
In case there is no issue brought up, it will be considered that a quality check has been conducted and the product has passed the incoming inspection.

- Please refer to the warranty card for the product's warranty period.
  The warranty covers solely the product delivery. Please do not claim other costs such as work wages for replacement operation or damage compensation.

- The warranty is not valid if the cause of damage is any of the following:

① Lack of care in use or mishandling.
② Repair done by the user or modification(s).
③ Use under unreasonable operating environment or conditions.
④ Natural disaster (fire, earthquake, typhoon) etc.
⑤ Condensation that occurred due to deviation from service temperature or storage temperature conditions described in the specifications.
⑥ Electrical stress such as excessive voltage surge including lightning strikes.

- In case the cause of damage cannot be determined, a consultation between both companies will be held.

- The intended use of the product s as a light source for lighting.
  We do not bear any responsibility for any damage incurred from usage other than the intended use.

Request for Exchange

- During the warranty period, please notify the distributor (construction store) of your purchase with an attachment that specifies the delivery date.

- After the warranty period, please consult with the distributor (construction store) of your purchase. A paid exchange is available upon request.

- For inquiries regarding after-sales service or for consultation about an exchange, please contact the shop (construction store) of your purchase or our assistance service below.
  Please be sure to specify the fixture name and the time of purchase.

Assistance Service

- For inquiries, please confirm the type of fixture indicated on the fixture's nameplate and contact us.
- Our contact information such as phone number is subject to change. Please confirm them on our website.

・Please note that appearance and specifications may be changed as part of improvements.
・Please note that, by nature of printed matter, the color of products shown here may differ slightly from the actual products.

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