



# Stanley LED Lighting

<https://stanley-ledlighting.com>

## Features of 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

Automobile lamps must be highly reliable, requiring superior light distribution technology. Stanley Electric integrates this with its technology for advanced LED devices to create light that is both new and powerful.

We will deliver light to where it could not reach until now.

## "Reliance" and solid "Technology"

Stanley Electric was founded in 1920 to manufacture and distribute automobile light bulbs. Today, it maintains a stable market share for automobile lamps.

LED has now made its way to our everyday life.

In 1976, long before LED was known to the general public, Stanley Electric was a pioneer which successfully commercialized high luminance LED. It has been leading the market since then, with its half century of research and nurtured technologies.

## Stanley's LED lighting in popular demand

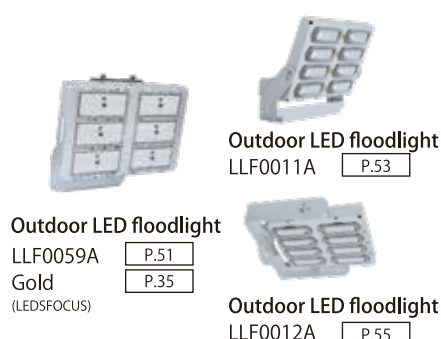
Lights that ensure safety of our towns and lifestyles; Illumination that pleases the eye or adds color to our traditions; Lights that operate in harsh conditions such as heat or heavy rain; Technologies fine-tuned by experience, and challenges to enhance quality. We will expand our exceptionally high quality products throughout the world, to deliver light to every corner of society.

## 4 Areas to Convey Light



### LEDHIGHMAST Special Outdoor Lighting

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



### LEDSFOCUS Landscape Lighting

It can illuminate from a long distance, bringing out the sharp lines of landmarks and buildings.



### LEDSROAD Road Lighting

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



### LEDHIGHBAY Indoor Maintenance-Free Lighting

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



# LEDSFOCUS

## Creating beautiful scenery and stunning effects

The LED expert "Stanley Electric"

offers high-quality landscape lighting "LEDSFOCUS,"

which shows excellent performance even in harsh

environments and has an ultra-narrow light

distribution angles that can be selected according to various lighting scenes.

Wide variety of colors, including the "Stanley Electric"

original color "Gold," is available for all purposes with a flexible and detailed lineup.

LEDSFOCUS will enhance the beauty of the scenery and produce a breathtaking view.

### LEDSFOCUS



#### Long distance light

Thin and lightweight model focused on long-distance illumination. Easy to install multiple lightings as one unit.

### LEDSFOCUS PRO

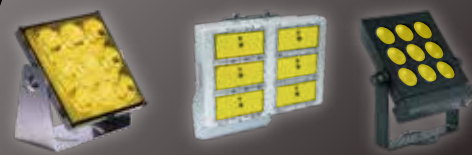


**[NEW]**

#### High performance

High-end model that can illuminate various kinds of object with top-level accuracy.

### LEDSFOCUS GOLD



These photos are for illustrative purposes.

#### Golden light

First developed by Stanley Electric, this model achieves vivid gold-colored light.

### LEDSFOCUS LINE



#### LED Linelight

Provides a clear-cut linear light with a very compact body.

3

## Projects



Niagara Falls, North America



Mitsushima, Toba City, Mie

Client: The Association for Vitalization of Obama Hotel Town in Toba City  
Planner: La PORTA



Eiffel Tower Special Light-up, Paris, France

JAPONISMES 2018 Special Light-up  
Lighting Design & Production: Motoko Ishii & Motoko Ishii Lighting Design inc(Tokyo)  
Akari Lisa Ishii & I.C.O.N(Paris)  
Stanley Illuminated the Gold area



Mitsui Garden Hotel Ginza Premier, Tokyo

Client: Mitsui Fudosan Co., Ltd.  
Design & Construction: Mitsui Fudosan Facilities Co., Ltd.

4



# Projects



**Kabukiza Theatre, Ginza, Tokyo**  
Owner: Shochiku Co., Ltd. and Kabushiki Gaisha Kabukiza  
Lighting Design: Motoko Ishii, Akari-Lisa Ishii, and Motoko Ishii Lighting Design Inc.



**Rama VIII Bridge, Bangkok, Thailand**



**The phoenix and the Amitabha statue in Byodo-in, Kyoto**



**That Luang in Vientiane, Laos**

5



**Tsuruoka City Kamo Aquarium, Yamagata**  
Design: Nihon Sekkei, Inc.



**Roppongi Hills, Tokyo**  
'Maman' by Louise Bourgeois



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



**Nihonbashi Takashimaya Mitsui Building & Nihombashi Takashimaya S.C., Tokyo**  
Design: Nihon Sekkei + Plantec Architects JV  
Lighting Design: Uchihara Creative Lighting Design Inc.



**Statue of Jeanne d'Arc in Toulouse, France**



**Patuxai in Vientiane, Laos**

6



# LEDFOCUS PRO

LED floodlight with ultra-narrow light distribution LLF0111A LLF0112A LLF0113A

High-end model with dignity

7

LEDFOCUS  
Landscape Lighting

LEDROAD  
Road Lighting

LEDHIGHMAST  
Outdoor LED floodlight

LEDHIGHBAY  
Indoor Maintenance-Free  
Lighting

8



# Features -LEDSFOCUS PRO-



- Ultra-narrow light distribution which can be tuned by 1°
- Easy modification of light distribution by replacing external lenses, even after being installed
- Abundant color temperatures and color variations
- Maximum performance even in harsh environments
- Wide range of options and selectable body colors

Produces beautiful scenery at various occasions



More far-reaching



More beautiful



More narrow

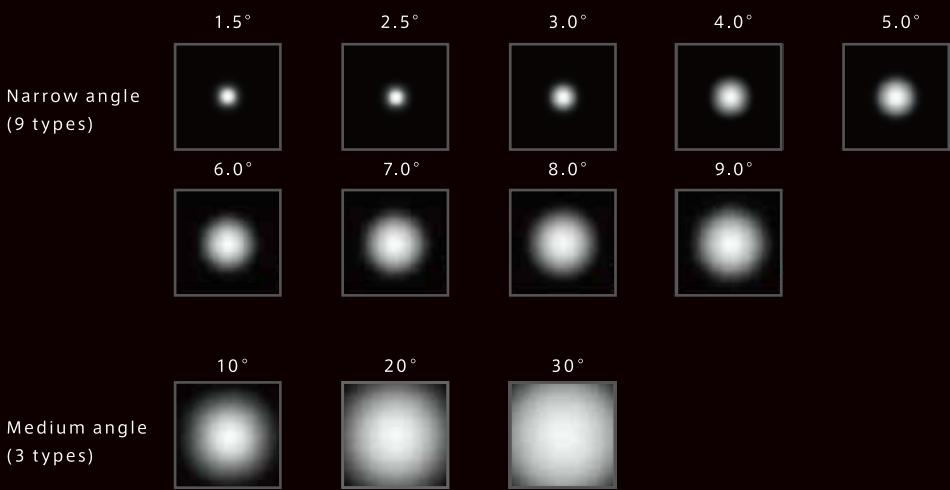
Variety of light distribution angles prepared for each application

Many varieties from adjusting the angle by 1°



1.5° 2.5° 3.0° 4.0° 5.0° 6.0° 7.0° 8.0° 9.0° 10° 20° 30°

9-lens type



LLF0111A 9-lens type light image



Increased light distribution uniformity

Increased color uniformity



LEDFOCUS PRO

LED floodlight with  
ultra-narrow light distribution    LLF0111A  
(9-lens)



pdf data

Concept

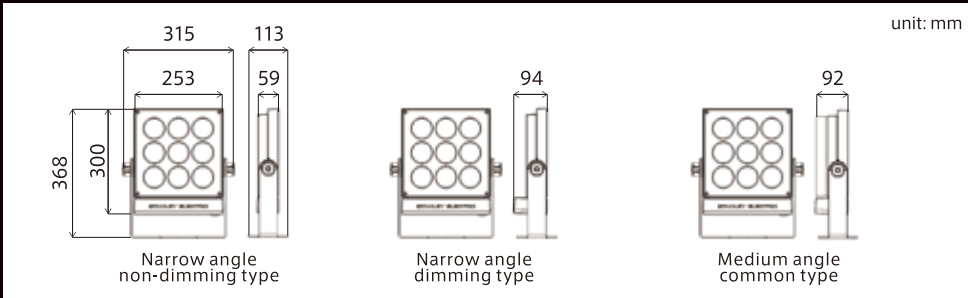
Maximizing the potential of LED lighting, we have achieved an ultra-narrow light distribution which can be used in various light-up shows. This spotlight can deliver light to where it could not reach before. Our unique optical system shows beautiful projections with control of light distribution angles by 1° and provides a wide variety of colors, to create beautiful illuminations that meet your requests. Possessing high level of resistance to water and dust, the lighting fixture can be used in any kind of environment.

Features



- 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 1 ° , from 1.5 to 10 ° , accurately casting light on objects. In addition,a high output medium angle light distribution of 10 to 30 ° is available for various applications.
- Beautiful light projection** Our unique LED / lens design technology can achieve beautiful and uniform light projection.
- Heavy duty** Waterproof and dustproof to provide maximum performance even 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 occasion.

External Dimensions



Color Variations



Projection Area

		<div>6500K5700K5000K4000K3000K2700K2200KRedGreenBlueGold</div>											
Light distribution angle	Distance (m)	1/2 illuminance Beam Φ (m)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)
1.5°	30	1.6		2,000									
	50	2.6		720									
	100	5.2		180									
	500	26		7.2									
	1000	52		1.8									
2.5°	30	2.3	1,500	1,500	1,400	1,400	1,400	960	780	290	850	140	1,100
	50	3.8	550	530	520	500	490	340	280	110	310	51	390
	100	7.7	140	130	130	130	120	86	70	26	76	13	97
	500	38	5.5	5.3	5.2	5.0	4.9	3.4	2.8	1.1	3.1	0.51	3.9
	1000	77	1.4	1.3	1.3	1.3	1.2	0.86	0.70	0.26	0.76	0.13	0.97
3.0°	30	2.6	1,000	1,000	990	950	930	650	530	200	590	98	730
	50	4.4	380	360	360	340	330	230	190	74	210	35	260
	100	8.7	94	90	89	86	84	58	47	18	53	8.8	65
	500	44	3.8	3.6	3.6	3.4	3.3	2.3	1.9	0.74	2.1	0.35	2.6
	1000	87	0.94	0.90	0.89	0.86	0.84	0.58	0.47	0.18	0.53	0.088	0.65
4.0°	30	3.9	500	480	470	460	440	340	280	110	310	51	380
	50	6.5	180	170	170	160	160	120	100	38	110	18	140
	100	13	45	43	42	41	40	31	25	9.6	28	4.6	34
	500	65	1.8	1.7	1.7	1.6	1.6	1.2	1.0	0.38	1.1	0.18	1.4
	1000	130	0.45	0.43	0.42	0.41	0.40	0.31	0.25	0.096	0.28	0.046	0.34
5.0°	30	5.7	260	250	250	240	230	190	150	59	170	28	210
	50	9.5	95	91	89	86	84	67	55	21	61	10	76
	100	19	24	23	22	22	21	17	14	5.3	15	2.5	19
	500	95	0.95	0.91	0.89	0.86	0.84	0.67	0.55	0.21	0.61	0.10	0.76
	1000	190	0.24	0.23	0.22	0.22	0.21	0.17	0.14	0.053	0.15	0.025	0.19
6.0°	30	6.7	190	180	180	180	170	140	110	44	130	21	160
	50	11	69	66	65	63	61	50	41	16	45	7.6	56
	100	22	17	17	16	16	15	12	10	3.9	11	1.9	14
	500	110	0.69	0.66	0.65	0.63	0.61	0.50	0.41	0.16	0.45	0.076	0.56
	1000	220	0.17	0.17	0.16	0.16	0.15	0.12	0.10	0.039	0.11	0.019	0.14
7.0°	30	7.9	150	140	140	130	130	110	86	33	96	16	120
	50	13	53	51	50	48	47	38	31	12	35	5.7	43
	100	26	13	13	12	12	12	9.5	7.7	3.0	8.6	1.4	11
	500	130	0.53	0.51	0.50	0.48	0.47	0.38	0.31	0.12	0.35	0.057	0.43
	1000	260	0.13	0.13	0.12	0.12	0.12	0.095	0.077	0.030	0.086	0.014	0.11
8.0°	30	9.3	110	100	100	97	95	80	65	26	75	12	90
	50	15	38	37	36	35	34	29	23	9.4	27	4.5	32
	100	31	9.6	9.2	9.0	8.7	8.5	7.2	5.8	2.3	6.8	1.1	8.1
	500	150	0.38	0.37	0.36	0.35	0.34	0.29	0.23	0.094	0.27	0.045	0.32
	1000	310	0.096	0.092	0.090	0.087	0.085	0.072	0.058	0.023	0.068	0.011	0.081
9.0°	30	9.8	90	86	85	82	80	66	54	21	61	10	74
	50	16	32	31	30	29	29	24	19	7.6	22	3.6	27
	100	33	8.1	7.8	7.6	7.4	7.2	6.0	4.8	1.9	5.5	0.91	6.7
	500	160	0.32	0.31	0.30	0.29	0.29	0.24	0.19	0.076	0.22	0.036	0.27
	1000	330	0.081	0.078	0.076	0.074	0.072	0.060	0.048	0.019	0.055	0.009	0.067
10°	30	10	200	210	200	200	180	170	140				190
	50	17	73	74	73	74	66	63	51				67
	100	33	18	19	18	18	17	16	13				17
	500	170	0.73	0.74	0.73	0.74	0.66	0.63	0.51				0.67
	1000	330	0.18	0.19	0.18	0.18	0.17	0.16	0.13				0.17
20°	30	21	53	54	54	54	48	46	38				49
	50	35	19	20	19	19	17	16	14				18
	100	71	4.8	4.9	4.8	4.8	4.4	4.1	3.4				4.4
	500	350	0.19	0.20	0.19	0.19	0.17	0.16	0.14				0.18
	1000	710	0.048	0.049	0.048	0.048	0.044	0.041	0.034				0.044
30°	30	34	26	26	26	26	23	22	18				23
	50	57	9.2	9.4	9.2	9.3	8.4	7.9	6.5				8.4
	100	110	2.3	2.3	2.3	2.3	2.1	2.0	1.6				2.1
	500	570	0.092	0.094	0.092	0.093	0.084	0.079	0.065				0.084
	1000	1,100	0.023	0.023	0.023	0.023	0.021	0.020	0.016				0.021





LEDFOCUS PRO

LED floodlight with  
ultra-narrow light distribution    LLF0112A  
(4-lens)



pdf data

Concept

Maximizing the potential of LED lighting, we have achieved an ultra-narrow light distribution which can be used in various light-up shows. This spotlight can deliver light to where it could not reach before. Our unique optical system shows beautiful projections with control of light distribution angles by 1° and provides a wide variety of colors, to create beautiful illuminations that meet your requests. Possessing high level of resistance to water and dust, the lighting fixture can be used in any kind of environment.

Features

Ultra-narrow light distribution

Light distribution control

Beautiful light projection

Heavy duty

Wide variety of customization

1/2 beam angle, ultra-narrow light distribution with a minimum of 1.5 ° enables bright illumination at distant objects.

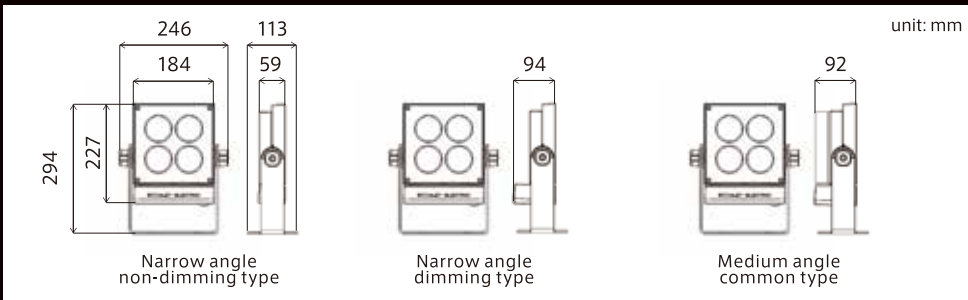
Light distribution can be fine-tuned by 1 ° , from 1.5 to 10 ° , accurately casting light on objects. In addition,a high output medium angle light distribution of 10 to 30 ° is available for various applications.

Our unique LED / lens design technology can achieve beautiful and uniform light projection.

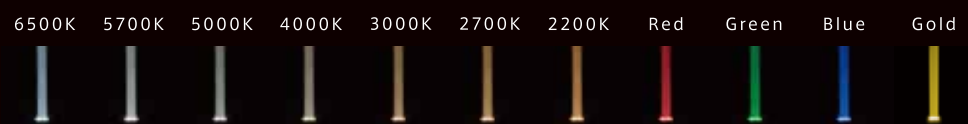
Waterproof and dustproof to provide maximum performance even in harsh environments.

Light distribution, light color, size, body color, and optional parts can be freely customized, making this product suitable for any occasion.

External Dimensions



Color Variations



Projection Area

		<div>6500K5700K5000K4000K3000K2700K2200KRedGreenBlueGold</div>												
		Distance (m)	1/2 illuminance Beam Φ (m)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	Center Beam Illuminance (lux)	
		10	0.52		7,900									
		30	1.6		880									
		50	2.6		320									
		100	5.2		79									
		250	13		13									
		10	0.77	6,100	5,900	5,800	5,600	5,400	3,800	3,100	1,200	3,400	560	4,300
		30	2.3	680	650	640	620	600	430	350	130	380	63	480
		50	3.8	250	240	230	220	220	150	120	47	140	23	170
		100	7.7	61	59	58	56	54	38	31	12	34	5.6	43
		250	19	9.8	9.4	9.2	8.9	8.7	6.1	5.0	1.9	5.4	0.90	6.9
		10	0.87	4,200	4,000	3,900	3,800	3,700	2,600	2,100	820	2,400	390	2,900
		30	2.6	470	450	440	420	410	290	230	91	260	44	320
		50	4.4	170	160	160	150	150	100	84	33	94	16	120
		100	8.7	42	40	39	38	37	26	21	8.2	24	3.9	29
		250	22	6.7	6.4	6.3	6.1	5.9	4.1	3.4	1.3	3.8	0.63	4.6
		10	1.3	2,000	1,900	1,900	1,800	1,800	1,400	1,100	430	1,200	200	1,500
		30	3.9	220	210	210	200	200	150	120	47	140	23	170
		50	6.5	80	77	76	73	71	55	44	17	49	8.2	61
		100	13	20	19	19	18	18	14	11	4.3	12	2.0	15
		250	32	3.2	3.1	3.0	2.9	2.8	2.2	1.8	0.68	2.0	0.33	2.5
		10	1.9	1,100	1,000	990	960	930	750	610	230	680	110	840
		30	5.7	120	110	110	110	100	83	68	26	75	12	93
		50	9.5	42	40	40	38	37	30	24	9.4	27	4.5	34
		100	19	11	10	9.9	9.6	9.3	7.5	6.1	2.3	6.8	1.1	8.4
		250	47	1.7	1.6	1.6	1.5	1.5	1.2	0.97	0.37	1.1	0.18	1.3
		10	2.2	770	740	720	700	680	550	450	170	510	84	620
		30	6.7	85	82	80	78	76	61	50	19	56	9.3	69
		50	11	31	29	29	28	27	22	18	7.0	20	3.4	25
		100	22	7.7	7.4	7.2	7.0	6.8	5.5	4.5	1.7	5.1	0.84	6.2
		250	56	1.2	1.2	1.2	1.1	1.1	0.89	0.72	0.28	0.81	0.13	0.99
		10	2.6	590	560	550	530	520	420	340	130	380	64	470
		30	7.9	65	62	61	59	58	47	38	15	43	7.1	53
		50	13	23	22	22	21	21	17	14	5.3	15	2.5	19
		100	26	5.9	5.6	5.5	5.3	5.2	4.2	3.4	1.3	3.8	0.64	4.7
		250	66	0.94	0.90	0.88	0.85	0.83	0.67	0.55	0.21	0.61	0.10	0.76
		10	3.1	430	410	400	390	380	320	260	100	300	50	360
		30	9.3	47	45	45	43	42	35	29	12	33	5.5	40
		50	15	17	16	16	16	15	13	10	4.2	12	2.0	14
		100	31	4.3	4.1	4.0	3.9	3.8	3.2	2.6	1.0	3.0	0.50	3.6
		250	77	0.68	0.65	0.64	0.62	0.60	0.51	0.42	0.17	0.48	0.080	0.57
		10	3.3	360	340	340	330	320	260	220	84	240	40	300
		30	9.8	40	38	38	36	35	29	24	9.4	27	4.5	33
		50	16	14	14	14	13	13	11	8.6	3.4	9.8	1.6	12
		100	33	3.6	3.4	3.4	3.3	3.2	2.6	2.2	0.84	2.4	0.40	3.0
		250	82	0.58	0.55	0.54	0.52	0.51	0.42	0.34	0.14	0.39	0.065	0.48
		10	3.3	810	830	810	820	740	700	570				740
		30	10	90	92	90	91	82	77	64				83
		50	17	32	33	33	33	29	28	23				30
		100	33	8.1	8.3	8.1	8.2	7.4	7.0	5.7				7.4
		250	84	1.3	1.3	1.3	1.3	1.2	1.1	0.91				1.2
		10	7.1	210	220	210	220	190	180	150				200
		30	21	24	24	24	24	22	20	17				22
		50	35	8.5	8.7	8.6	8.6	7.8	7.3	6.0				7.8
		100	71	2.1	2.2	2.1	2.2	1.9	1.8	1.5				2.0
		250	180	0.34	0.35	0.34	0.34	0.31	0.29	0.24				0.31
		10	11	100	100	100	100	93	88	72				94
		30	34	11	12	11	11	10	9.8	8.0				10
		50	57	4.1	4.2	4.1	4.1	3.7	3.5	2.9				3.8
		100	110	1.0	1.0	1.0	1.0	0.93	0.88	0.72				0.94
		250	280	0.16	0.17	0.16	0.17	0.15	0.14	0.12				0.15























Specifications

Part No.	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>											
	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
Beam angle 1.5° LLF0112A	Center luminous intensity (cd)	795,000										
	Luminous flux (lm)	628										
	Rated power consumption (w)	15.7										
Beam angle 2.5° LLF0112A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	614,000	588,000	578,000	559,000	543,000	383,000	312,000	117,000	339,000	56,300	431,000
	Luminous flux (lm)	808	774	761	736	716	621	505	183	528	87.6	698
	Rated power consumption (w)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	13.6	16.3	17.0	16.0
Beam angle 3.0° LLF0112A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	419,000	402,000	395,000	382,000	371,000	258,000	210,000	81,700	236,000	39,200	290,000
	Luminous flux (lm)	808	774	761	736	716	621	505	183	528	87.6	698
	Rated power consumption (w)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	13.6	16.3	17.0	16.0
Beam angle 4.0° LLF0112A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	201,000	192,000	189,000	183,000	178,000	136,000	111,000	42,700	123,000	20,500	153,000
	Luminous flux (lm)	808	774	761	736	716	621	505	183	528	87.6	698
	Rated power consumption (w)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	13.6	16.3	17.0	16.0
Beam angle 5.0° LLF0112A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	105,000	101,000	98,900	95,700	93,000	74,900	60,900	23,400	67,700	11,200	84,100
	Luminous flux (lm)	808	774	761	736	716	621	505	183	528	87.6	698
	Rated power consumption (w)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	13.6	16.3	17.0	16.0
Beam angle 6.0° LLF0112A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	76,900	73,700	72,400	70,000	68,100	55,300	45,000	17,500	50,600	8,390	62,200
	Luminous flux (lm)	808	774	761	736	716	621	505	183	528	87.6	698
	Rated power consumption (w)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	13.6	16.3	17.0	16.0
Beam angle 7.0° LLF0112A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	58,600	56,100	55,100	53,300	51,900	42,200	34,300	13,300	38,400	6,370	47,400
	Luminous flux (lm)	808	774	761	736	716	621	505	183	528	87.6	698
	Rated power consumption (w)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	13.6	16.3	17.0	16.0
Beam angle 8.0° LLF0112A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	42,700	40,900	40,200	38,900	37,800	31,900	26,000	10,400	30,000	4,980	35,900
	Luminous flux (lm)	808	774	761	736	716	621	505	183	528	87.6	698
	Rated power consumption (w)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	13.6	16.3	17.0	16.0
Beam angle 9.0° LLF0112A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	36,000	34,400	33,800	32,700	31,800	26,500	21,500	8,440	24,400	4,050	29,700
	Luminous flux (lm)	808	774	761	736	716	621	505	183	528	87.6	698
	Rated power consumption (w)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	13.6	16.3	17.0	16.0
Beam angle 10° LLF0112A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K				Gold
	Center luminous intensity (cd)	81,100	82,600	81,400	81,900	73,700	69,600	57,200				74,400
	Luminous flux (lm)	2,200	2,240	2,210	2,220	2,000	1,890	1,550				2,020
	Rated power consumption (w)	27.0	27.0	27.0	27.0	27.0	27.0	27.0				27.0
Beam angle 20° LLF0112A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K				Gold
	Center luminous intensity (cd)	21,300	21,700	21,400	21,500	19,400	18,300	15,000				19,600
	Luminous flux (lm)	2,200	2,240	2,210	2,220	2,000	1,890	1,550				2,020
	Rated power consumption (w)	27.0	27.0	27.0	27.0	27.0	27.0	27.0				27.0
Beam angle 30° LLF0112A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K				Gold
	Center luminous intensity (cd)	10,200	10,400	10,300	10,300	9,290	8,780	7,210				9,380
	Luminous flux (lm)	2,200	2,240	2,210	2,220	2,000	1,890	1,550				2,020
	Rated power consumption (w)	27.0	27.0	27.0	27.0	27.0	27.0	27.0				27.0
Material		Body : Aluminum die casting Outer cover : Polycarbonate External lens : Acrylic				Waterproof and dustproof		IP66				
						Product life		50,000 h				
Ambient temperature		-25 ~ 50℃				Weight		Narrow angle : 3.1kg		Medium angle : 3.7kg		








Specifications

Part No.												
	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
Beam angle 1.5° LLF0113A	Center luminous intensity (cd)	199,000										
	Luminous flux (lm)	157										
	Rated power consumption (w)	3.73										
Beam angle 2.5° LLF0113A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	153,000	147,000	144,000	140,000	136,000	95,800	78,000	29,400	84,800	14,100	108,000
	Luminous flux (lm)	202	194	190	184	179	155	126	45.7	132	21.9	174
	Rated power consumption (w)	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.24	3.89	4.06	3.82
Beam angle 3.0° LLF0113A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	105,000	100,000	98,600	95,400	92,800	64,600	52,600	20,400	59,100	9,800	72,600
	Luminous flux (lm)	202	194	190	184	179	155	126	45.7	132	21.9	174
	Rated power consumption (w)	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.24	3.89	4.06	3.82
Beam angle 4.0° LLF0113A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	50,100	48,000	47,200	45,700	44,400	34,100	27,700	10,700	30,900	5,120	38,300
	Luminous flux (lm)	202	194	190	184	179	155	126	45.7	132	21.9	174
	Rated power consumption (w)	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.24	3.89	4.06	3.82
Beam angle 5.0° LLF0113A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	26,300	25,200	24,700	23,900	23,300	18,700	15,200	5,860	16,900	2,810	21,000
	Luminous flux (lm)	202	194	190	184	179	155	126	45.7	132	21.9	174
	Rated power consumption (w)	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.24	3.89	4.06	3.82
Beam angle 6.0° LLF0113A	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	19,200	18,400	18,100	17,500	17,000	13,800	11,300	4,370	12,600	2,100	15,500
	Luminous flux (lm)	202	194	190	184	179	155	126	45.7	132	21.9	174
	Rated power consumption (w)	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.24	3.89	4.06	3.82
Beam angle 7.0° LLF0113A												
	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	14,600	14,000	13,800	13,300	13,000	10,500	8,580	3,320	9,600	1,590	11,800
	Luminous flux (lm)	202	194	190	184	179	155	126	45.7	132	21.9	174
Beam angle 8.0° LLF0113A	Rated power consumption (w)	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.24	3.89	4.06	3.82
	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	10,700	10,200	10,000	9,720	9,450	7,980	6,500	2,600	7,510	1,250	8,970
	Luminous flux (lm)	202	194	190	184	179	155	126	45.7	132	21.9	174
Beam angle 9.0° LLF0113A	Rated power consumption (w)	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.24	3.89	4.06	3.82
	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K	Red	Green	Blue	Gold
	Center luminous intensity (cd)	8,990	8,610	8,460	8,190	7,960	6,610	5,380	2,110	6,100	1,010	7,430
	Luminous flux (lm)	202	194	190	184	179	155	126	45.7	132	21.9	174
Beam angle 10° LLF0113A	Rated power consumption (w)	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.24	3.89	4.06	3.82
	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K				Gold
	Center luminous intensity (cd)	20,300	20,700	20,400	20,500	18,400	17,400	14,300				18,600
	Luminous flux (lm)	551	561	553	556	500	473	388				505
Beam angle 20° LLF0113A	Rated power consumption (w)	6.67	6.67	6.67	6.67	6.67	6.67	6.67				6.67
	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K				Gold
	Center luminous intensity (cd)	5,340	5,430	5,350	5,380	4,840	4,580	3,760				4,890
	Luminous flux (lm)	551	561	553	556	500	473	388				505
Beam angle 30° LLF0113A	Rated power consumption (w)	6.67	6.67	6.67	6.67	6.67	6.67	6.67				6.67
	Colors/color temp.	6500K	5700K	5000K	4000K	3000K	2700K	2200K				Gold
	Center luminous intensity (cd)	2,560	2,610	2,570	2,580	2,320	2,190	1,800				2,350
	Luminous flux (lm)	551	561	553	556	500	473	388				505
	Rated power consumption (w)	6.67	6.67	6.67	6.67	6.67	6.67	6.67				6.67
Material		Body : Aluminum die casting Outer cover : Polycarbonate External lens : Acrylic				Waterproof and dustproof		IP66				
						Product life		50,000 h				
Ambient temperature		-25 ~ 50℃				Weight		Narrow angle : 1.9kg		Medium angle : 2.1kg		



LEDSFOCUS Line up

Size	Light distribution angle	<div></div> 6500K	<div></div> 5700K	<div></div> 5000K	<div></div> 4000K	<div></div> 3000K	<div></div> 2700K	<div></div> 2200K	<div></div> Red	<div></div> Green	<div></div> Blue	<div></div> Gold
LLF0111A (9-lens) 	1.5°		<div></div>									
	2.5°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	3.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	4.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	5.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	6.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	7.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	8.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	9.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	10°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>				<div></div>
	20°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>				<div></div>
	30°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>				<div></div>
LLF0112A (4-lens) 	1.5°		<div></div>									
	2.5°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	3.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	4.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	5.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	6.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	7.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	8.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	9.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	10°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>				<div></div>
	20°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>				<div></div>
	30°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>				<div></div>
LLF0113A (1-lens) 	1.5°		<div></div>									
	2.5°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	3.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	4.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	5.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	6.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	7.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	8.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	9.0°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
	10°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>				<div></div>
	20°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>				<div></div>
	30°	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>				<div></div>

OPTIONS

Body Color



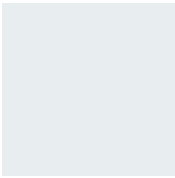
Charcoal Grey



Charcoal Grey  
(standard color)

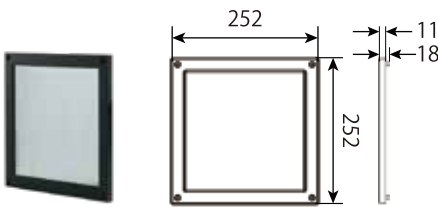


Silver



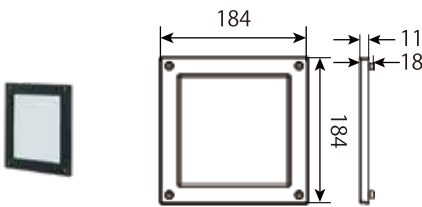
White

Optical lens



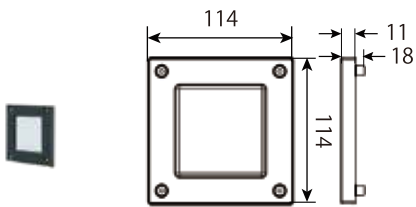
Spread Lens (9-lens)

Size (mm) 252×252×18  
Weight 280g



Spread Lens (4-lens)

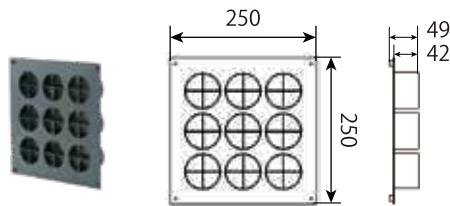
Size (mm) 184×184×18  
Weight 160g



Spread Lens (1-lens)

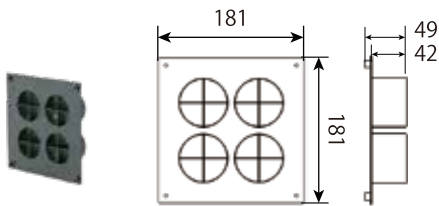
Size (mm) 114×114×18  
Weight 75g

Louver & Hood



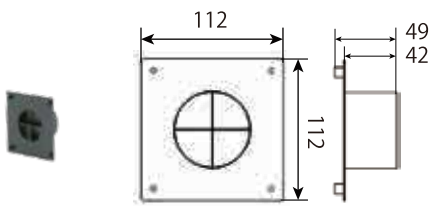
Louver (9-lens)

Size (mm) 250×250×49  
Weight 0.85kg



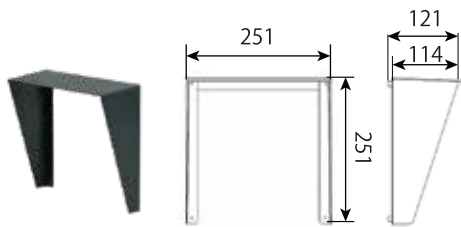
Louver (4-lens)

Size (mm) 181×181×19  
Weight 0.41kg



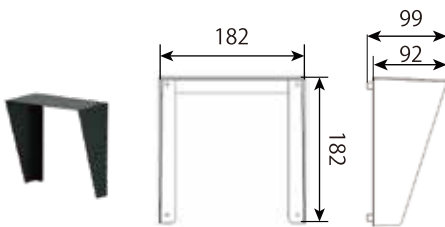
Louver (1-lens)

Size (mm) 112×112×49  
Weight 0.15kg



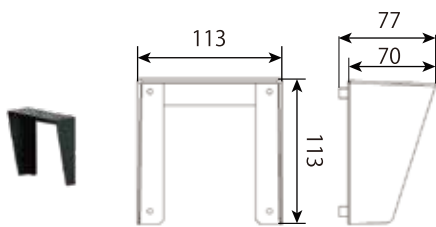
Hood (9-lens)

Size (mm) 251×251×121  
Weight 0.65kg



Hood (4-lens)

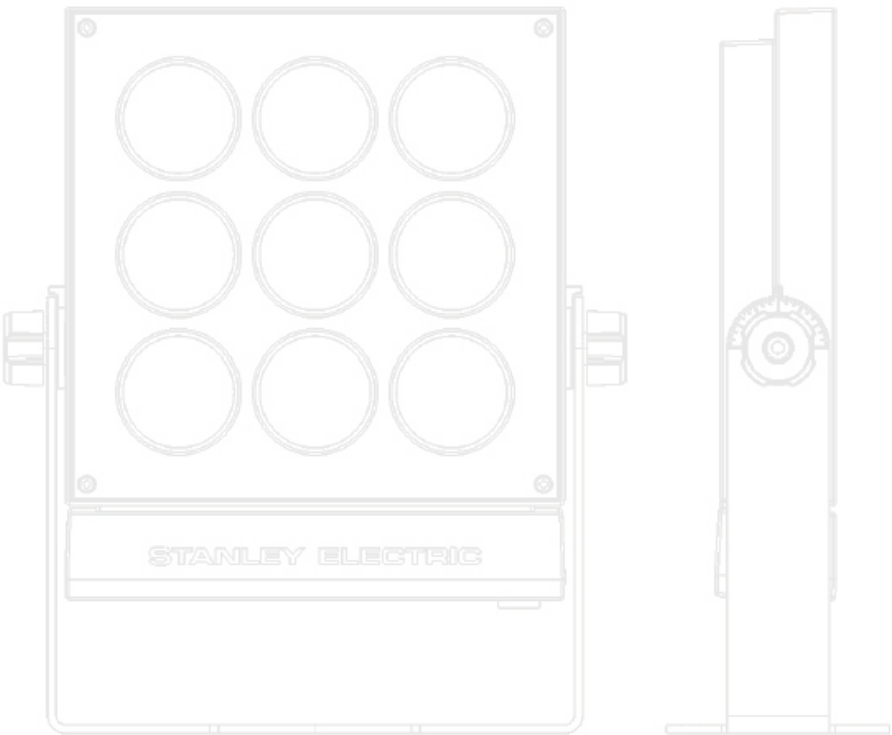
Size (mm) 182×182×99  
Weight 0.38kg



Hood (1-lens)

Size (mm) 113×113×77  
Weight 0.20kg

LED SFOCUS PRO





# LEDFOCUS

LED floodlight with ultra-narrow light distribution  
LED spotlight with ultra-narrow light distribution

LLM0545A-UZ   LLM0545A-UE   LLM0545A-UG  
LLM0854A

## Standard LED floodlight model

27

LEDFOCUS

LED floodlight with  
ultra-narrow light distribution LLM0545A



pdf data



**Concept**

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

Ultra-narrow light distribution

Achieved 3 types of narrow light distribution. 1/2 beam angle of 2.5° , 3° , or 5 ° .

Low power consumption

Operates with power as low as 25W (when using the optional power source designed for one lens type).

Thin and lightweight


With 47mm thickness (light source part) and 2.3kg weight (bracket excluded), it can be installed at any place.


Water/dust proof


Available for outdoor usage with IP65.


Variety in color


In addition to variety of white color temperatures, there are red, green, blue, and umber available.


Heat resistance

UV resistance

Vibration resistance


Noise resistance

Heavy salt resistance


High waterproof




**Product Image**




Front



Side

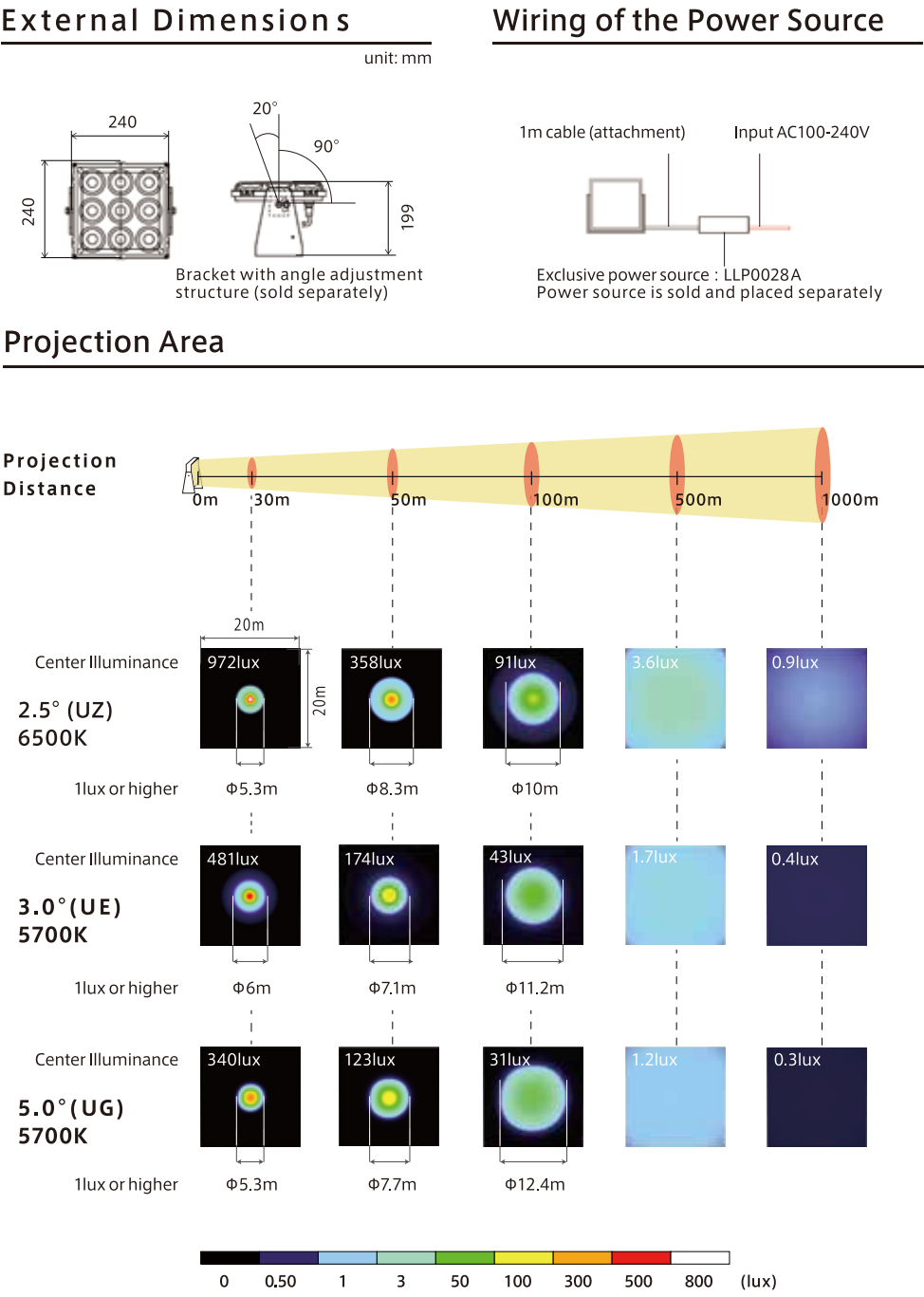


Back



Bracket with angle adjustment structure (sold separately)

Specifications												
Part No.	Color Temp./ Color Lineup											
Beam Angle 2.5° LLM0545A_UZ	Center Luminosity (cd)	918,000	768,000	736,000	-	180,000	518,000	235,000	-			
	Luminous Flux (lm)	1,720	1,440	1,380	-	680	950	410	-			
	Rated Power Consumption (excl. power source)	17.9W	17.9W	17.9W	-	14.8W	18.7W	19.3W	-			
	Maximum Power Consumption (excl. power source)	19.2W	19.2W	19.2W	-	18.6W	21.3W	21.2W	-			
Beam Angle 3.0° LLM0545A_UE	Color Temp./ Color Lineup	5700K	4000K	3000K	2200K	Red	Green	Blue	Amber			
	Center Luminosity (cd)	436,000	396,000	347,000	235,000	262,000	146,000	194,000	250,000			
	Luminous Flux (lm)	1,330	1,200	1,060	710	780	700	480	850			
	Rated Power Consumption (excl. power source)	19.2W	19.2W	19.2W	19.2W	14.7W	4.5W	19.2W	14.7W			
	Maximum Power Consumption (excl. power source)	21.0W	21.0W	21.0W	21.0W	16.7W	4.5W	21.0W	16.7W			
Beam Angle 5.0° LLM0545A_UG	Color Temp./ Color Lineup	5700K	4000K	3000K	-	-	-	-	-			
	Center Luminosity (cd)	308,000	300,000	300,000	-	-	-	-	-			
	Luminous Flux (lm)	1,400	1,260	1,260	-	-	-	-	-			
	Rated Power Consumption (excl. power source)	18.3W	18.3W	18.3W	-	-	-	-	-			
	Maximum Power Consumption (excl. power source)	21.0W	21.0W	21.0W	-	-	-	-	-			
Material:	Body: aluminum die-cast, Outer lens: polycarbonate, Bracket (sold separately): Stainless steel											
Ambient Temperature:	-30~ +50℃											
Waterproof and dustproof:	IP65											
Life of LED's Light Source:	UE/UG:40,000h UZ:42,000h (lumen maintenance factor 70%)											
Power Source:	Placed separately (sold separately)											
Weight:	2.3kg											
Optional Parts:	Power source, bracket, 10m cable											












Concept

From the effectiveness of ultra-narrow light distribution, we have achieved this low power and compact spotlight that can be used for many usages with only small amount of LEDs. Abundant color variations are available to meet the demands for a wide range of light-up effects. Possessing high level of resistance to water and dust, the lighting fixture can be used in any kind of environment.

Features





Ultra narrow light angle

Low power consumption

Compact and lightweight

Variety in color

Water/dust proof

Materialized a uniform light distribution with 2.5° of 1/2 beam angle.

Operates with power as low as 2.9W.

A very compact and light body with ϕ98mm and 260g.

In addition to white of 3000K, 4000K, and 5000K, there is red, green and blue available.

Available for outdoor usage with IP65.

Projects



Building in Zone Industrielle de Mozinor in the suburbs of Paris, France



Store of Jaeger-LeCoultre

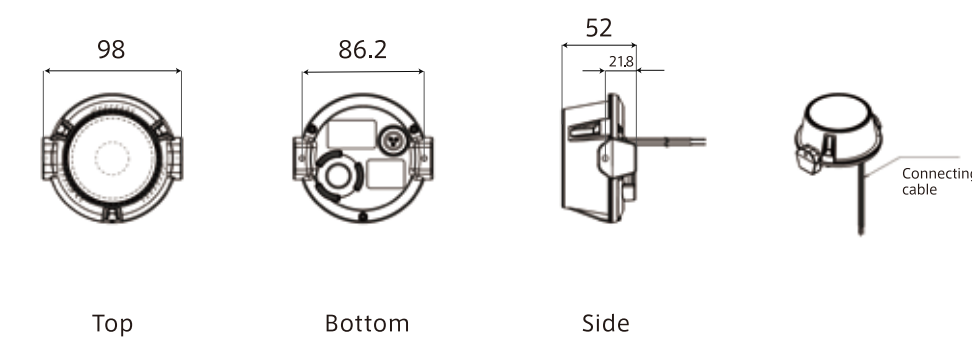


Store of Jaeger-LeCoultre

Product Image



External Dimensions



Specifications

Part No.	Color Temp. / Color Lineup	5000K	4000K	3000K	Red	Green	Blue
LLM0854A	Center Luminosity (cd)	86,000	76,000	62,350	9,290	48,280	192,000
	Luminous Flux (lm)	143	117	104	40.8	92.2	56.3
	Beam Angle	2.5°	2.5°	2.5°	2.6°	2.3°	2.3°
	Color Rendering Index (Ra)	70	80	80	-	-	-

Material:

Body: aluminum die-cast / polycarbonate  
Inner lens: acryl (transparent)

Input Voltage:

DC9 ~ 18V

Power Consumption:

2.9W (max 3.6W) <(max4.1W) for red/green/blue>

Ambient Temperature:

-30 ~ +50℃

Waterproof and dustproof:

I P65

LED light source lifetime:

40,000h (lumen maintenance factor 70%)

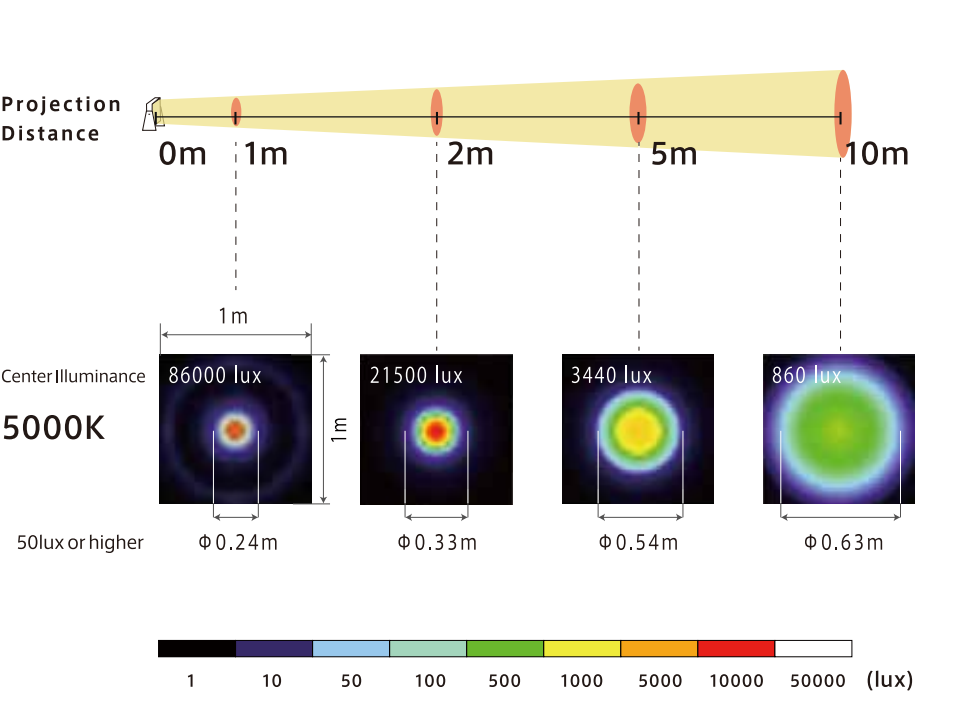
Weight:

260g

Optional Parts:

Bracket  
\*Power source is sold separately.

Projection Area





# LEDFOCUS GOLD

LED floodlight with  
ultra-narrow light distribution

LLF0111A

LLF0112A

LLF0113A

LLM0545A

Outdoor LED floodlight

LLF0059A

True Gold ; only one in the world

\*Golden light created from our unique phosphor compounding technology.

33

## JAPONISMES 2018 Special Light-up

Lighting Design & Production: Motoko Ishii & Motoko Ishii Lighting Design inc(Tokyo)

Akari Lisa Ishii & I.C.O.N(Paris)

Stanley Illuminated the Gold area

LEDFOCUS

Landscape Lighting

LEDROAD

Road Lighting

LEDHIGHMAST

Outdoor LED floodlight

LEDHIGHBAY

Indoor Maintenance-Free  
Lighting

34



LLF0111A  
LLF0112A  
LLF0113A  
LLM0545A  
LLF0059A

pdf data



## Light distribution control

Thin and lightweight

Power consumption is as low as 39.4W.

Available for outdoor usage with IP65.

Available for outdoor usage with IP65.

The higher efficiency enables energy saving and thus contributes to the reduction of greenhouse gases.

Heavy duty

## Technology of automobile headlamps

Energy saving and  
considerate of the environment

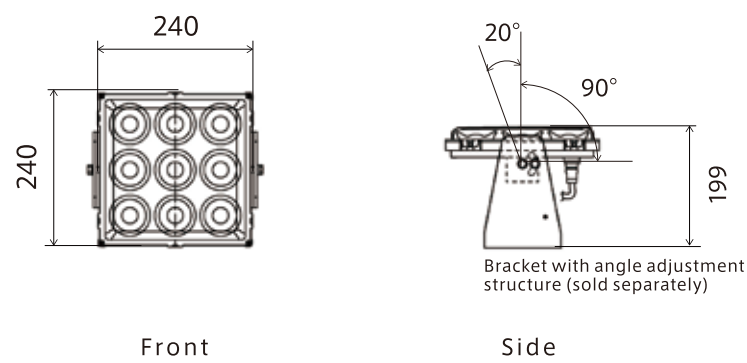
Energy saving and  
considerate of the environment

Energy saving and  
considerate of the environment

Product life	50,000 h
Weight	Narrow angle : 1.9kg Medium angle : 2.1kg

- LLM0545A -  
External Dimension

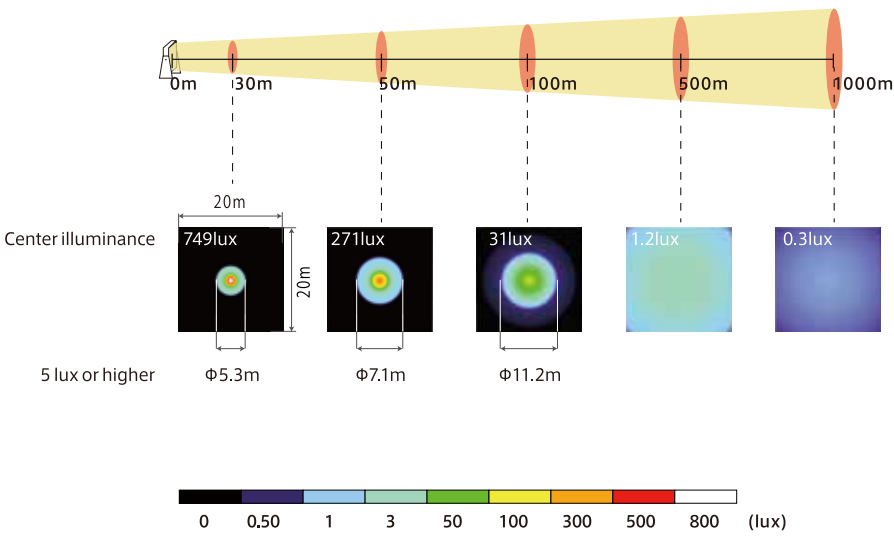
unit: mm



Accurate aiming of gold light



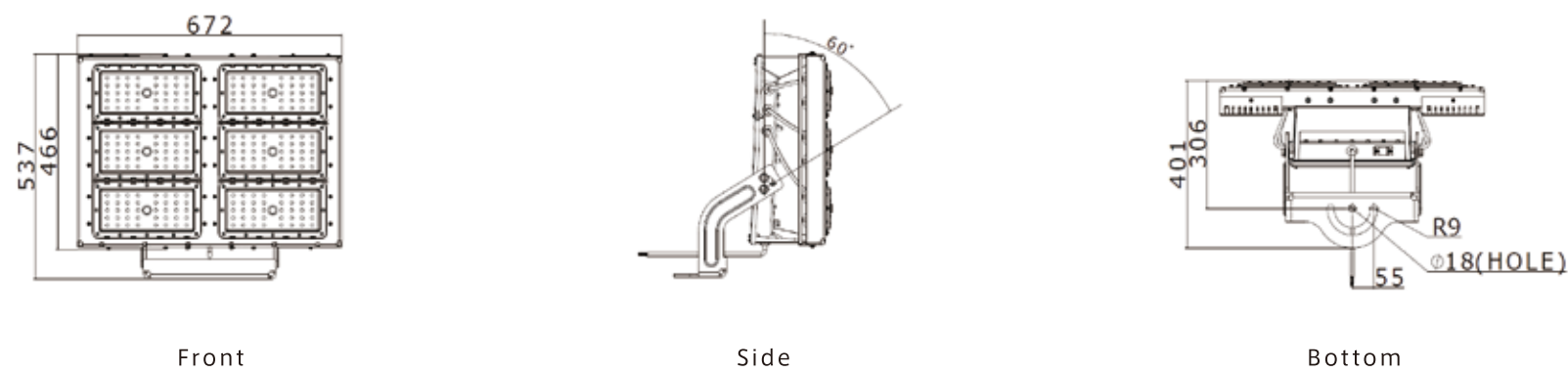
Projection Area



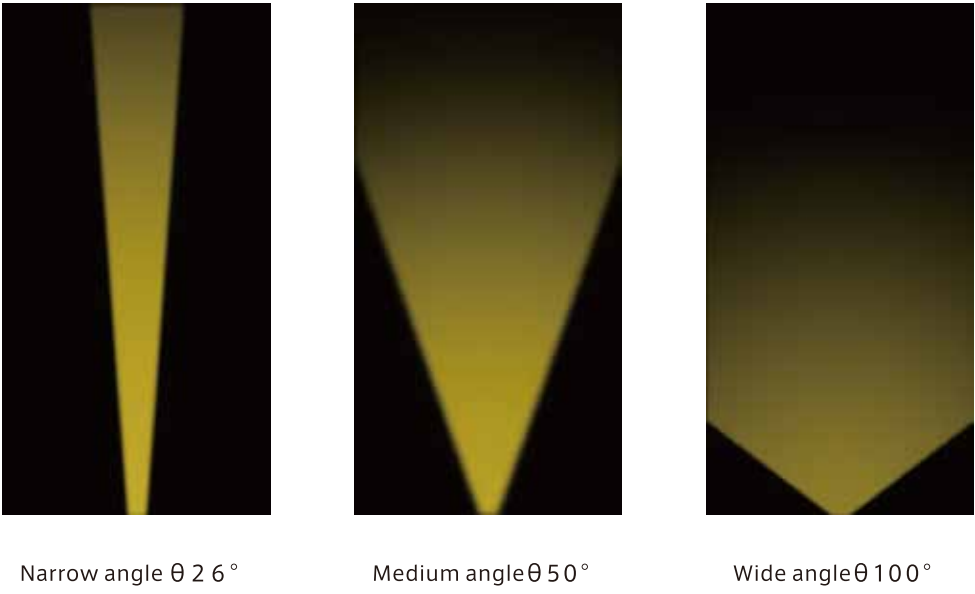
Part No.	LLM0545A-UB
Center luminosity (cd)	667,000
Luminous flux (lm)	3,300
1/2 beam angle	4° × 3°
Material	Body: aluminum die-cast Outer lens: polycarbonate Bracket(sold separately):stainless steel
Rated power consumption (excl. power source)	39.4W
Maximum power consumption (excl. power source)	45.7W
Ambient Temperature	-30 ~ +50℃
Waterproof and dustproof	I P65
LED light source lifetime	40,000h (lumen maintenance factor 70%)
Power Source	Placed separately (sold separately)
Weight	2.3kg
Optional Parts	Power source, bracket, 10m cable

- LLF0059A -  
External Dimension

unit: mm



Accurate aiming of gold light



Part No.	LLF0059A
Color	GOLD
Light source luminous flux (at 220 V)	32,940lm
Material	Body: Aluminum sheet, aluminum die casting
Power consumption	425W (at 220 V)
Input voltage	AC90 ~ 305V
Lightning surge protection	15kV (Common mode)
Light distribution angle	Narrow angle (Narrow) θ26° /Medium angle (Middle) θ50° /Wide angle (Wide) θ100°
Ambient temperature	-20 ~ +40℃
Weight	18kg
Waterproof and dustproof	IP66
LED light source lifetime	60,000h (lumen maintenance factor 70%)
Wind resistance	70m/s

# LEDFOCUS LINE

LED linear lighting LLM1389A

Express with linear light











### Concept

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. Possessing high level of resistance to water and dust, the lighting fixture can be used in any kind of environment.

### Features



Heat resistance

UV resistance

Vibration resistance

salt resistance

Noise resistance

High waterproof

Linear light distribution

Variety in color

Compact and lightweight

Low power consumption

Water/dust proof

A vivid track of light is achieved.

In addition to white of 3000K, 4000K, and 5000K, there is red, green and blue available.

A very compact and light body with  $\phi 98\text{mm}$  and 220g.

Operates with power as low as 4.9W.

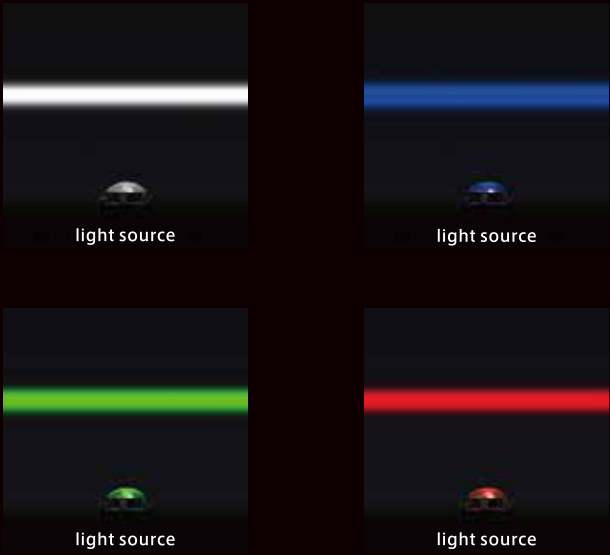
Available for outdoor usage with IP65.

### Projects



Stanley's booth at LIGHTING FAIR

### Color Variations



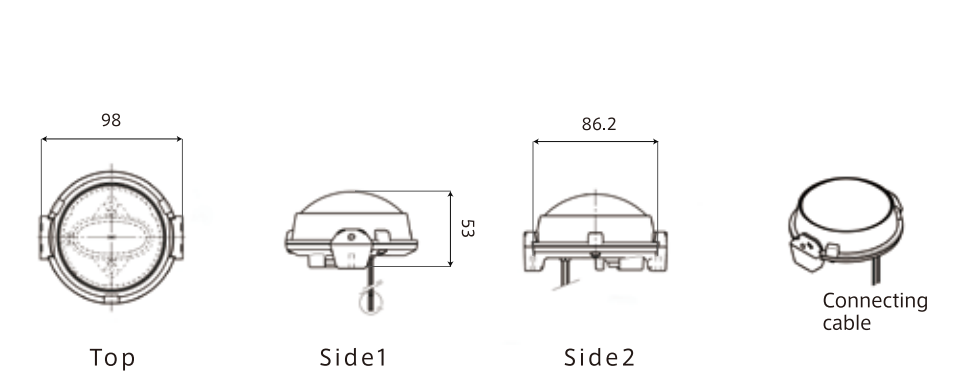
These photos are for illustrative purposes.

### Product Image



### External Dimensions

unit: mm



### Specifications

Part No. LLM1389A	1/2 Beam Angle (°) short end	2.5	2.5	2.5	2.8	2.5	2.5
	1/2 Beam Angle (°) longitudinal	70	70	70	79	74	74
	Color Temp. / Color Lineup	5000K	4000K	3000K	● Red	● Green	● Blue
	Center Luminosity (cd)	4,418	3,897	3,602	803	3,947	1,136
	Color Rendering Index (Ra)	70	80	80	-	-	-
	Input Voltage	8.5V	8.5V	8.5V	7.0V	9.5V	9.7V
	Power Consumption	6.0W	6.0W	6.0W	4.9W	6.6W	6.8W
	Material:	Body: aluminum die-cast, Lens: polycarbonate					
Input Rated Current:		0.7A					
Ambient Temperature:		-30 ~ +50℃					
Waterproof and dustproof:		IP65					
LED light source lifetime:		40,000h (lumen maintenance factor 70%)					
Weight:		220g					
Optional Parts:		Bracket					
		*Power source is sold separately.					

# LEDROAD

LED Road Lighting LLF0016A LLF0017A

Providing light to ensure safety on the road

43

LEDFOCUS  
Landscape Lighting

LEDROAD  
Road Lighting

LEDHIGHMAST  
Outdoor LED floodlight

LEDHIGHBAY  
Indoor Maintenance-Free  
Lighting

44
















### Concept

The tolerance to lightning surge is as high as 20kV, which provides security in a long term use under harsh conditions. The risk of bugs getting inside the product is very low, because it is designed with high airtightness (IP66) even on the parts other than the light source. The product can meet a variety of demands because it can provide many combinations of its output range, which is 100-200W, and its four patterns of light distribution. Construction for this lighting fixture is simple because opening/closing of the cover does not require a tool.

### Features

										
	UV	2G				Heat resistance	Vibration resistance	Noise resistance	Salt resistance	High waterproof
Design that suits urban areas	Implemented optimal control of light distribution with the 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	Ambient temperature is 50°C at the highest.									
Wide range of input voltage	Voltage for lighting can be in the range of AC90-305V; usable in regions with unstable voltage.									
Wide variety of lenses	The most suitable lens can provide the road with a uniform light distribution.									
Maintenance & upgrade	In addition to the power source part, we unitized the LED part so it can be replaced or upgraded by unit.									

### Projects



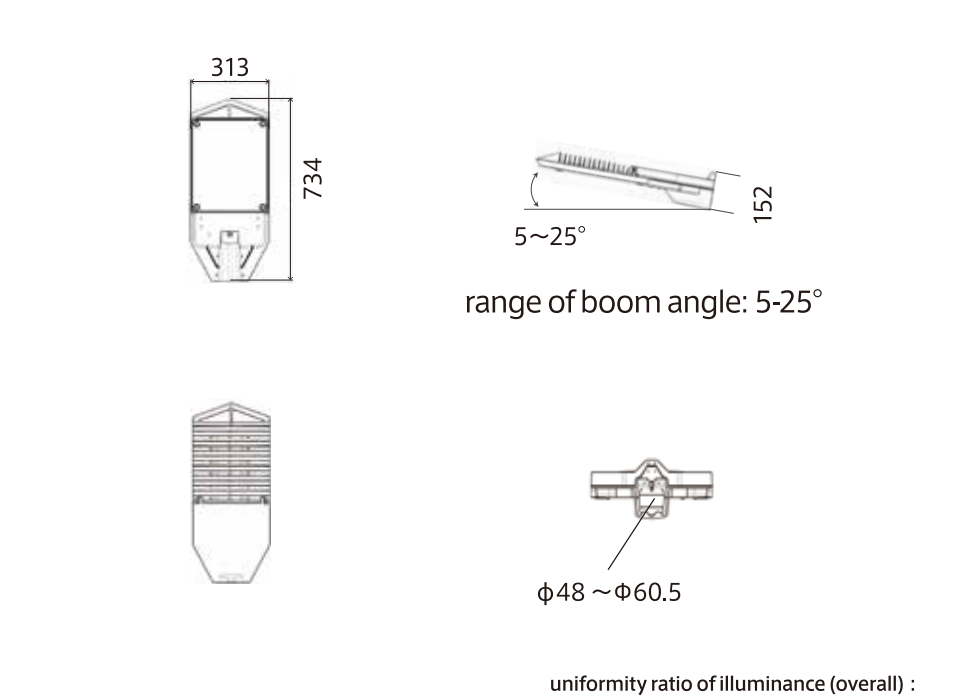
### Product Image



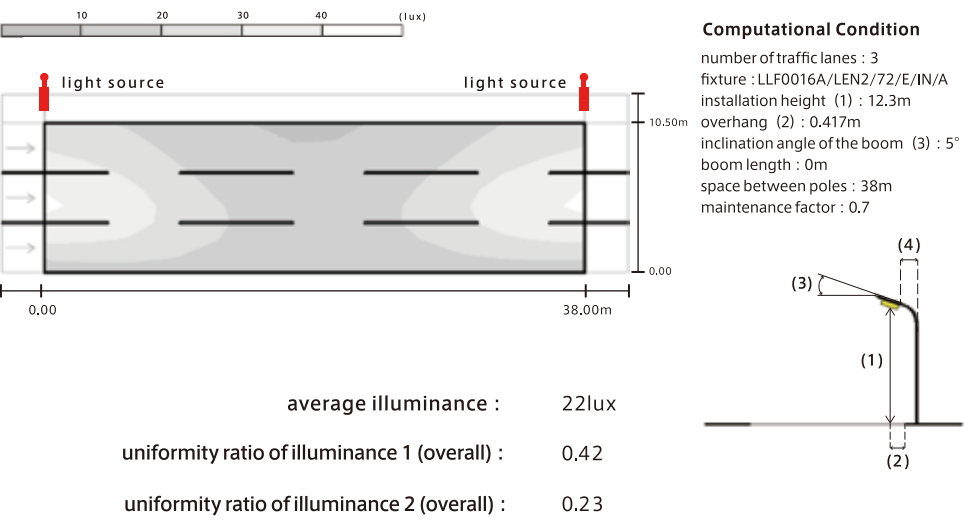
### Specifications

Part No.	Power Consumption (at 220V)					
LLF0016A		117W	134W	150W	159W	167W
	Fixture Luminous Flux	15,000lm	17,200lm	19,400lm	20,400lm	21,500lm
	Luminous Efficiency	129lm/W	129lm/W	129lm/W	129lm/W	129lm/W
	Class of the Lighting	ME3~ME6	ME2~ME6	ME1~ME6	ME1~ME6	ME1~ME6
	Type of Road	general	general	general /expressway	general /expressway	general /expressway
Material:						
Color Temperature:						
Waterproof and dustproof:						
LED light source lifetime:						
Shock Resistance:						
Vibration Resistance:						
Wind Resistance:						
Input Voltage:						
Lightning Surge Protection Pressure Resistance:						

### External Dimensions



### Simulation of Light Distribution








### Concept

We materialized this compact and lightweight body while having the power source built in the fixture. The risk of bugs getting inside the product is very low, because it is designed with high airtightness (IP66) even on the parts other than the light source. Its wide light-distribution and high utilization factor allow a minimized number of installation of fixture. Construction for this lighting fixture is simple because opening and closing of the cover does not require a tool.

### Features



Heat resistance

Vibration resistance

Noise resistance

UV resistance

salt resistance

High waterproof

Design that suits urban areas

The radiation fin is placed around the light source part and is designed with slits to avoid accumulation of dust.

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

Ambient temperature is 55℃ at the highest.

Wide range of input voltage

Voltage for lighting can be in the range of AC90-305V; usable in regions with unstable voltage.

Maintenance & upgrade

In addition to the power source part, we unitized the LED part so it can be replaced or upgraded by unit.

High brightness & efficiency

Materialized 0.94cd/㎡ with power consumption 90W, while the standard brightness value of EU roads is ≥0.75.

### Projects



Bangkok Expressway and Metro Public Company Limited, Thailand

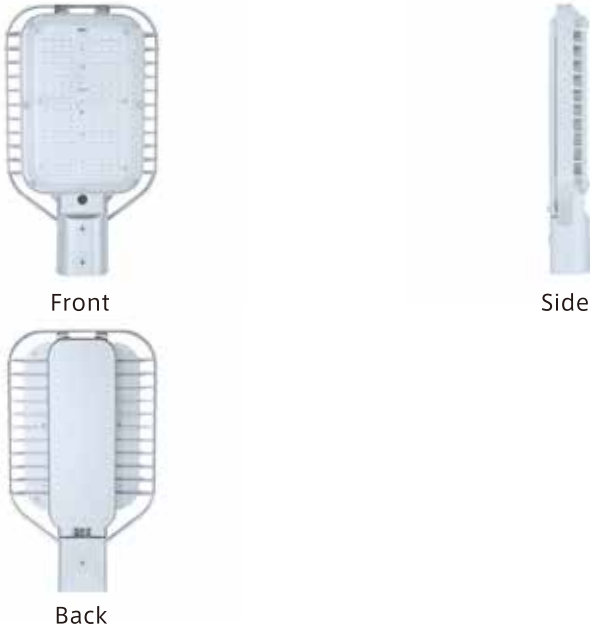


Karawang International Industrial City (KIIC), Indonesia



Asia Industrial Estate, a suburb of Bangkok, Thailand

### Product Image

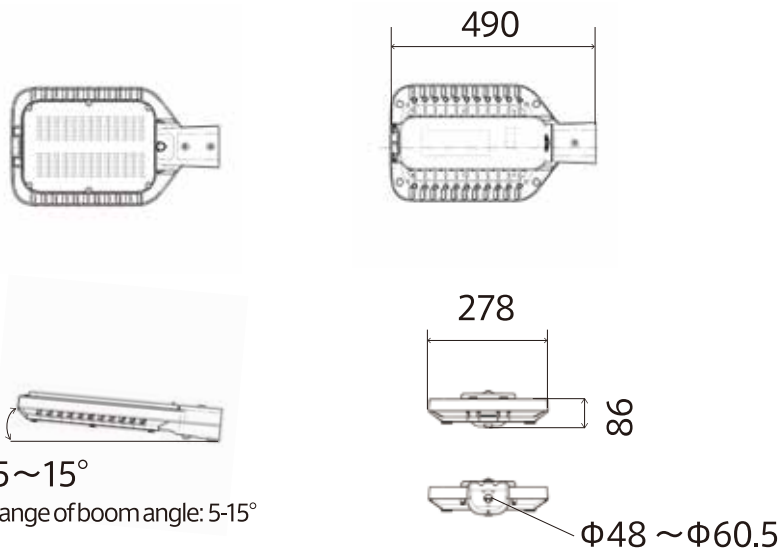


### Specifications

Part No.	Power Consumption (at 220V)			
LLF0017A		42W	70W	90W
	Fixture Luminous Flux	5300lm	8400lm	11000lm
	Luminous Efficiency	126lm/W	120lm/W	122lm/W
Material:	Body: aluminum die-cast, Outer lens: tempered glass			
Color Temperature:	4000K			
Waterproof and dustproof:	IP66			
LED light source lifetime:	60,000h (lumen maintenance factor 70%)			
Shock Resistance:	IK08			
Vibration Resistance:	2G			
Ambient Temperature:	-40 ~ +55℃			
Wind Resistance:	60m/s			
Input Voltage:	rated voltage AC100 ~ 240V (AC90 ~ 305V) <small>*42W type has rated voltage AC200~240V (AC160~305V)</small>			
Lightning Surge Protection Pressure Resistance:	10 k V (Common mode)			
Weight:	5.0 k g			
Height of Installation:	6 ~ 12m			
Compatible Pole:	Φ 60.5mm×100mm			

### External Dimensions

unit: mm





# LEDHIGHMAST

Outdoor LED Floodlight LLF0059A LLF0011A LLF0012A

Built to withstand harsh environments

49

LEDSFOCUS

Landscape Lighting

LEDSROAD

Road Lighting

LEDHIGHMAST

Outdoor LED floodlight

LEDHIGHBAY

Indoor Maintenance-free Lighting

50



Concept

On top of waterproof and dustproof, this floodlight is equipped with heavy salt tolerance which allows use in coast areas. We have conducted a test on use of this product in harbor environment. It has a sufficient quantity of light to irradiate a vast area, materialized by our own LED. We provide wide, medium and narrow light distributions to accommodate various geographical features and 3 color temperatures (white, warm white, incandescent), so the numerous combinations can be created to meet a variety of demands.

Features



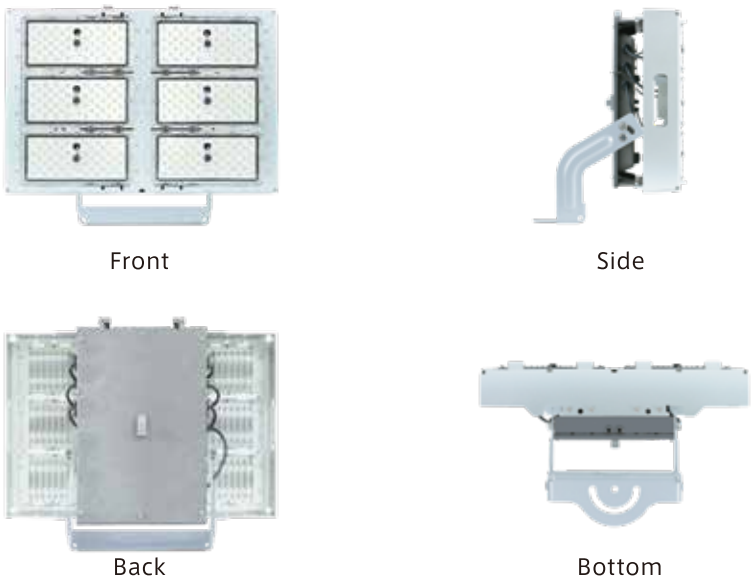
Heavy duty	We provide LED floodlights with high quality and reliability, which passed endurance tests for harsh environments.
Technology of automobile headlamps	Utilizing our technology of light distribution developed through designing automobile headlamps, we materialized a high distribution uniformity.
Energysaving and considerate of the environment	The higher efficiency enables energy saving and thus contributes to reduction of greenhouse gases.

Projects



Terminal of ICO and Nippon Yusen Kabushiki Kaisha, Zeebrugge, Belgium

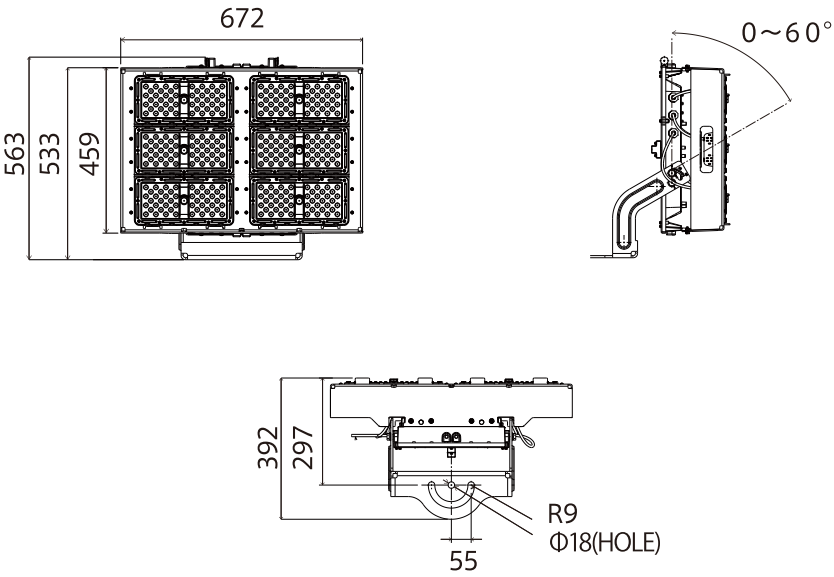
Product Image



Specifications

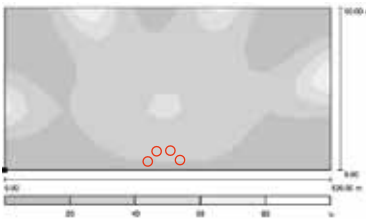
Part No. LLF0059A	Color temperature	5700K	4000K	3000K
	Light source luminous flux (at 220 V)	60,900lm	58,920lm	55,020lm
	Luminous Efficiency	132lm/W	128lm/W	119lm/W
Material:	Body: Aluminum sheet-metal Aluminum die casting			
Power Consumption:	460W (at 220V)			
Input Voltage:	AC90 ~ 305V			
Lightning Surge Protection Pressure Resistance:	15kV (Common mode)			
Light distribution angle:	Narrow angleθ26° /Medium angleθ50° / Wide angleθ100°			
Color Rendering Property:	Ra72(standard value)			
Ambient Temperature:	-20 ~ +40°C			
Weight:	18kg			
waterproof and dustproof:	IP66			
LED light source lifetime:	60,000h (lumen maintenance factor 70%)			
Wind Resistance:	70m/s			

External Dimensions



Simulation of Light Distribution

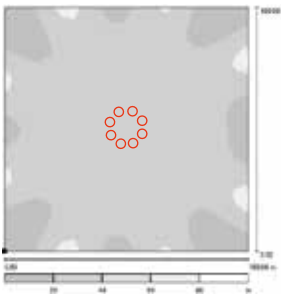
average illuminance: 25lux  
Wide/Narrow One side



Scale 1 : 715  
Position shown in the diagram in an outdoor situation:  
Selected point:  
(0,000 m, 50,000 m, 0,000 m)  
Computational Conditions  
Wide: 4units Angles : Wide50° Wide65°  
Installation height : 30m

Results  
One side25lx : Wide3units Narrow4units

average illuminance: 30lux  
Wide/Narrow Both sides



Scale 1 : 849  
Position shown in the diagram in an outdoor situation:  
Selected point:  
(0,000 m, 0,000 m, 0,000 m)  
Computational Conditions  
Wide: 4units Angles : Wide50° Wide65°  
Installation height : 30m

Results  
Both sides 30lx: Wide8units Narrow8units





### Concept

With dust and water resistance as high as IP66, this lighting can be used in coast areas, which require tolerance to heavy salt. We received NK Qualification from ClassNK for conducting a test on this product for use in harbor environment. It has a sufficient quantity of light to irradiate a vast area, and we provide wide and narrow light distributions so that they can be selected according to the geographical feature.

### Features



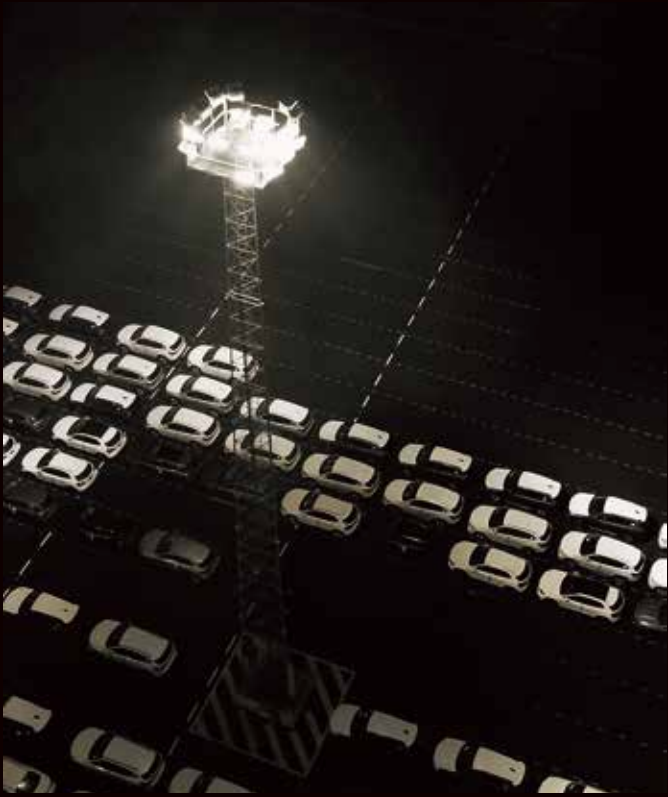
- Heavy duty
- Technology of automobile headlamps
- Conservation of energy & environment

We provide LED floodlights with high quality and reliability, which passed endurance tests for harsh environments.

Utilizing our technology of light distribution developed through designing automobile headlamps, we materialized a high distribution uniformity.

The higher efficiency enables energy saving and thus contributes to reduction of greenhouse gases.

### Projects



Terminal of ICO and Nippon Yusen Kabushiki Kaisha, Zeebrugge, Belgium



It shows outstanding durability performance under different kinds of bad conditions and environments.

### Product Image



Front



Side



Back



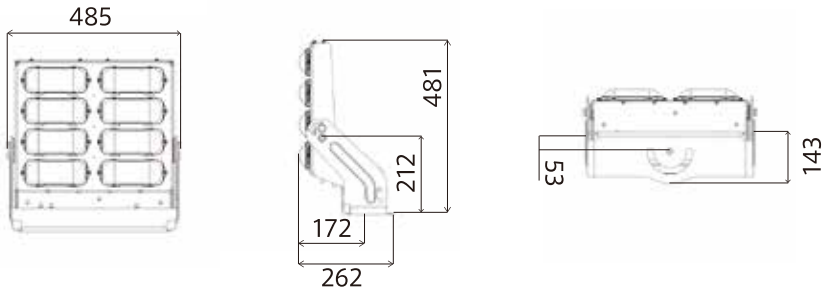
Bottom

### Specifications

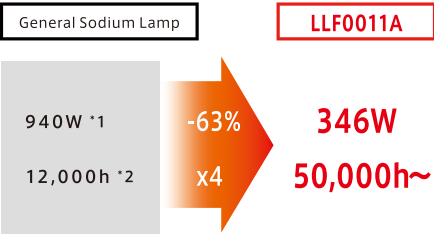
Part No. LLF0011A	Color temperature		5000K
	Light distribution angle		Narrow angleθ18°      Wide angleθ70°
	Light source luminous flux (at 220 V)		38,000lm      41,000lm
	Luminous Efficiency		115lm/W      122lm/W

Material:	Body: aluminum sheet
Color Temperature:	5000K
Power Consumption:	346.4W (at 242V)
Input Voltage:	AC100 ~ 240V
Lightning Surge Protection Pressure Resistance:	15kV (Common mode)
Color Rendering Property:	Ra70
Ambient Temperature:	-20 ~ +40℃
Weight:	13.5kg
Waterproof and dustproof:	IP66
LED light source lifetime:	60,000h (lumen maintenance factor 70%)
Wind Resistance:	60m/s

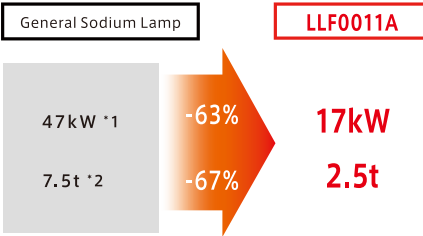
### External Dimensions



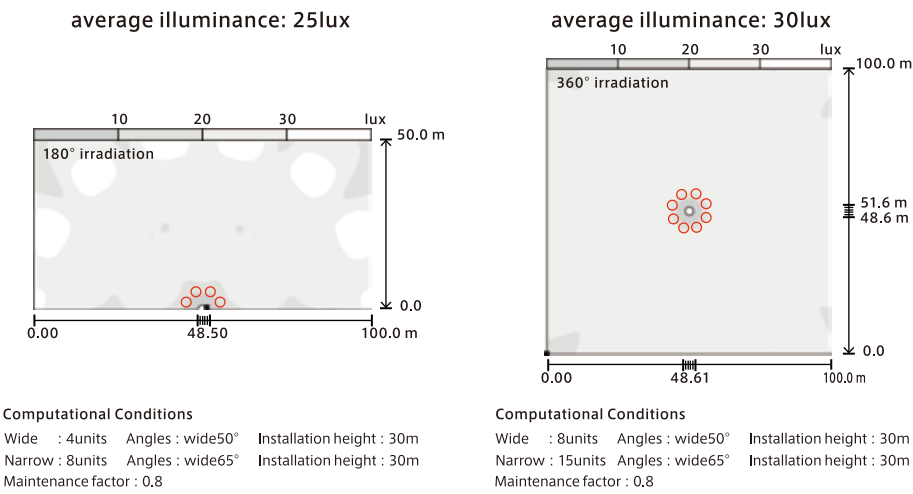
### Comparison of Energy Efficiency



### Comparison of CO2 Emissions



### Simulation of Light Distribution

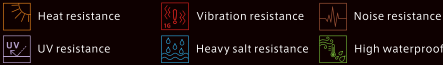




Concept

In purpose of enabling use under severe environment, we used as a base an existing lighting fixture with records of use in heavy-salted 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.

Features



Quake proofing structure

It can be used in environments with strong vibration, as it is equipped with quake-proofing.

Heavy duty

We provide high quality and reliable LED floodlights which passed harsh environment endurance tests.

Technology of automobile headlamps

Utilizing our technology of light distribution developed through designing automobile headlamps, we materialized a high distribution uniformity.

Energy saving and considerate of the environment

The higher efficiency enables energy saving and thus contributes to the reduction of greenhouse gases.

Projects

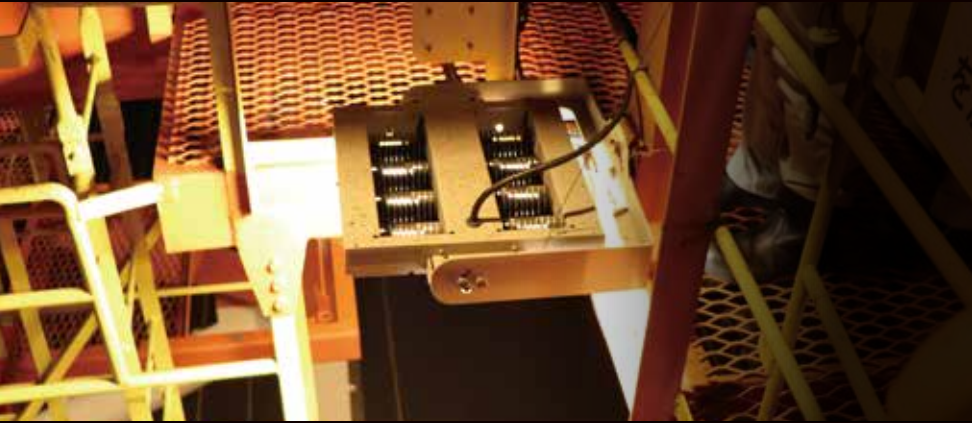
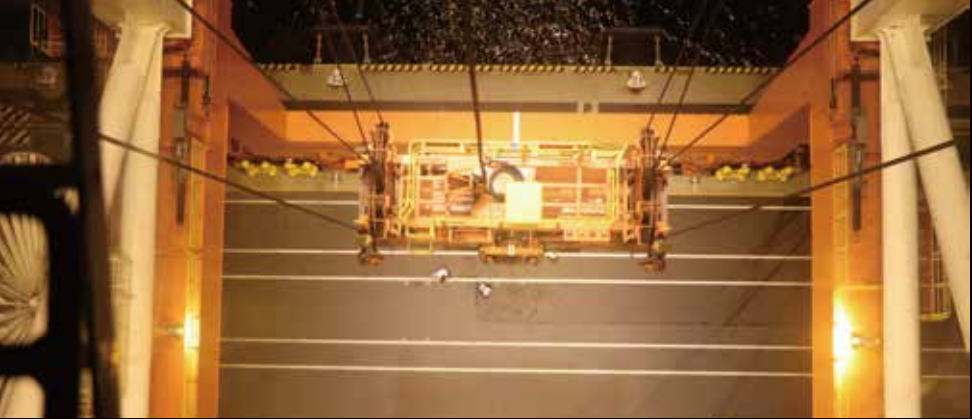


Image of installation

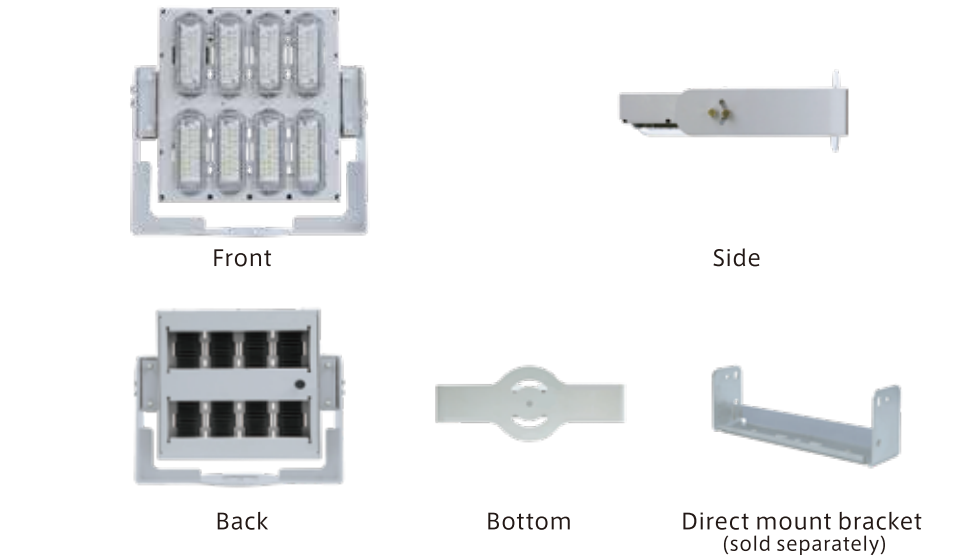


Appearance of the lighting fixture LLF0012A 3000K when installed on a trolley



It shows outstanding durability performance under different kinds of bad conditions and environments.

Product Image



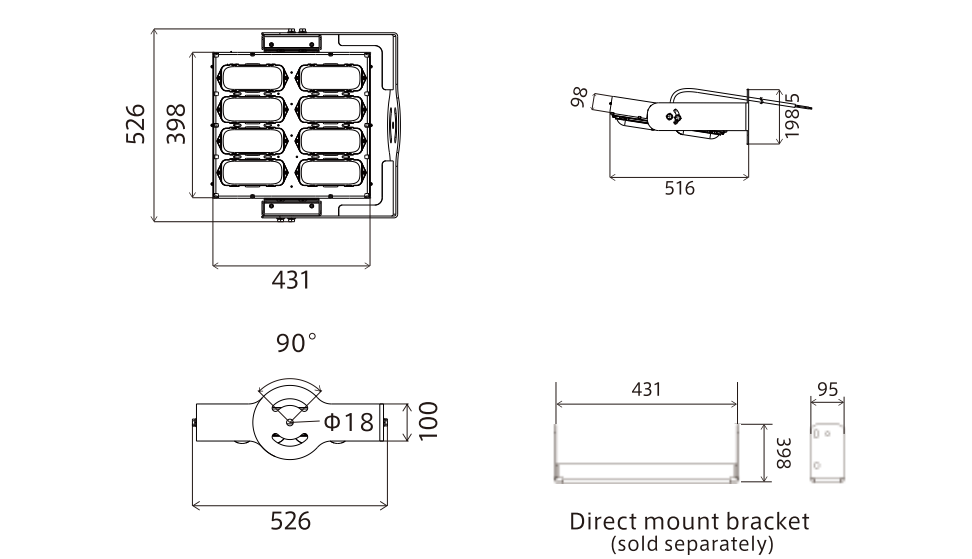
Specifications

Part No. LLF0012A	Color temperature	
	5000K	3000K
	Light distribution angle	Narrow angleθ18° /Wide angleθ70°
	Light source luminous flux (at 220 V)	Narrow 38,000lm /Wide 41,000lm
	Luminous Efficiency	Narrow 115lm/W /Wide 122lm/W
		Narrow 105lm/W /Wide 110lm/W

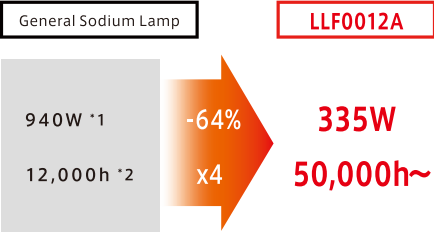
Material:	Body: aluminum sheet
Power Consumption:	335W (at 220V)
Input Voltage:	AC100 ~ 240V
Lightning Surge Protection Pressure Resistance:	15kV (Common mode)
Color Rendering Property:	Ra70
Ambient Temperature:	-20 ~ +40℃
Weight:	13.5kg
Waterproof and dustproof:	IP66
LED light source lifetime:	60,000h (lumen maintenance factor 70%)
Wind Resistance:	60m/s

External Dimensions

unit: mm

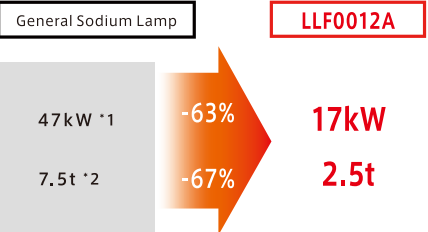


Comparison of Energy Efficiency



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

Comparison of CO2 Emissions



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



# LEDHIGHBAY

LED High Bay Lighting  
LED Lighting under the Eaves

LLF0058A  
LLF0040A

Remarkably thin and light

LED High Bay Lighting LLF0058A

Compact but powerful

LED Lighting under the Eaves LLF0040A

57

LEDSFOCUS  
Landscape Lighting

LEDSROAD  
Road Lighting

LEDHIGHMAST  
Outdoor LED floodlight

LEDHIGHBAY  
Indoor Maintenance-Free  
Lighting 58

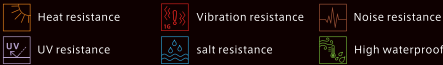




## Concept

We materialized heat diffusion without a heat radiation fin. We adopted a design that makes the light-emitting part look thin when installed. The structure of housing is designed to keep adequate strength even being made of aluminum, so the product is lightweight and the color tone can be unified.

## Features



Innovative design	The body is thinner because we made the light-emitting part thin by not using the conventional radiation fin.
Lightweight	Helps reducing the man-hour for installation.
Angle adjustment	The angle of light can easily be adjusted after installation, because the range of motion of this fixture is 35° each to right and left.
Wide range of input voltage	Voltage for lighting can be in the range of AC90-305V; usable in regions with unstable voltage.

## Projects



Sapporo Ryutsu System



Lights for the gym in Asian Stanley, Thailand



Lights inside the pit of B-Quik, Thailand

## Product Image



Front



Side



Side



Built-in power source

## Specifications

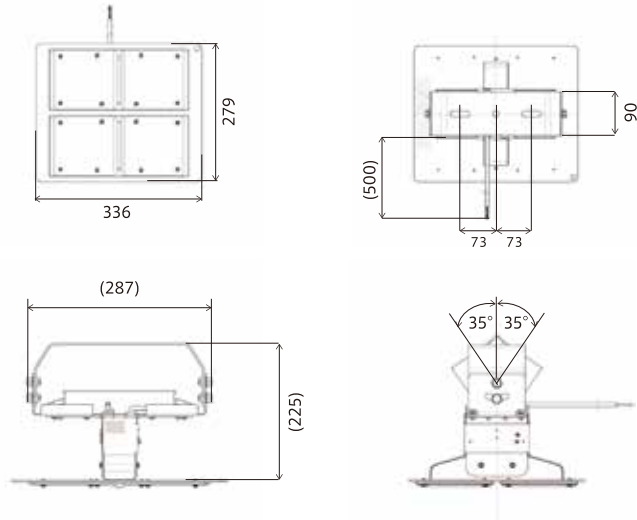
Part No.	LLF0058A							
Color Temp.	5000K	5000K	5000K	5000K	3000K	3000K	3000K	3000K
Power Consumption (at AC220V)	56W	111W	163W	215W	56W	111W	163W	215W
Fixture Luminous Flux	8420lm	16850lm	25300lm	33700lm	8000lm	16000lm	24000lm	32000lm
Luminous Efficiency (at AC220V)	150lm/W	152lm/W	155lm/W	157lm/W	143lm/W	144lm/W	147lm/W	148lm/W
Weight	2.2kg	2.9kg	4.2kg	5.7kg	2.2g	2.9kg	4.2kg	5.7kg

Material:	Body: aluminum sheet
Color Rendering Property:	Ra70
Input Voltage:	rated voltage AC100 ~ 240V (AC90 ~ AC305V)
Ambient Temperature:	-20 ~ 45℃
Waterproof and dustproof:	IP20
LED light source lifetime:	60,000h (lumen maintenance factor 70%)
1/2 Beam Angle:	120°

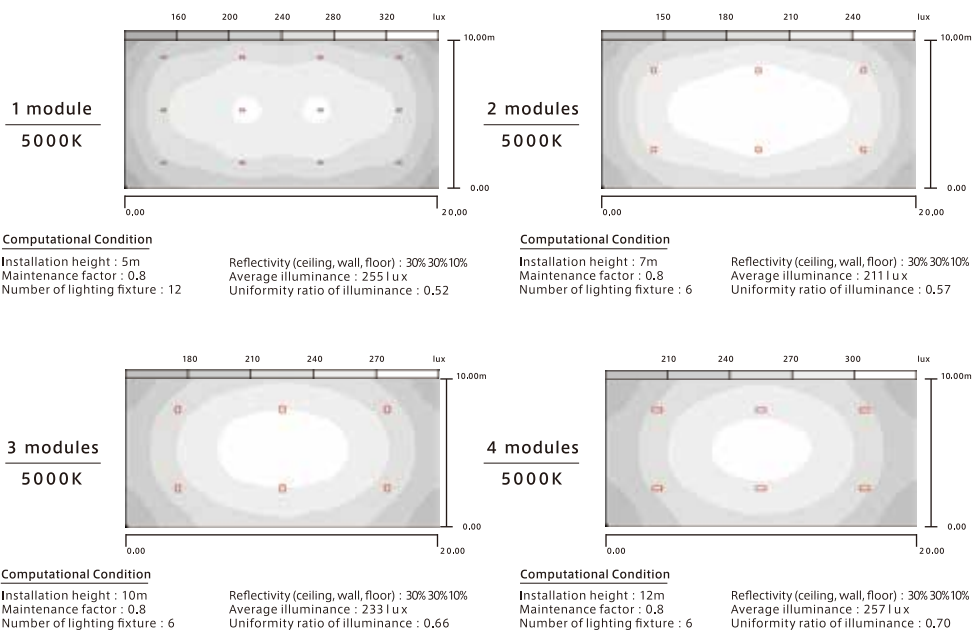
## External Dimension s

2-module type (111W)

unit: mm



## Simulation of Light Distribution

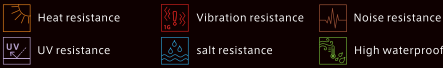




### Concept

The LED module used in this lighting is waterproof. With the light distribution control by lens, we materialized a light distribution that stretches along the long side of the product. The presence of the fixture can be hidden because the width of the product is small and thus it can be placed in the wiring duct.

### Features



Compact	Designed to be as compact as the external dimension 650 x 100 x 153mm (incl. arm).
Angle adjustment	The arm allows adjustment of the irradiation angle.
Wide variety of lenses	The optical lenses enable a wide range of lighting designs.
Moisture-proof and rainproof	It has IP23.

### Projects



Sapporo Ryutsu System



Lights inside the factory of Indonesia Stanley, Indonesia

### Product Image



Front



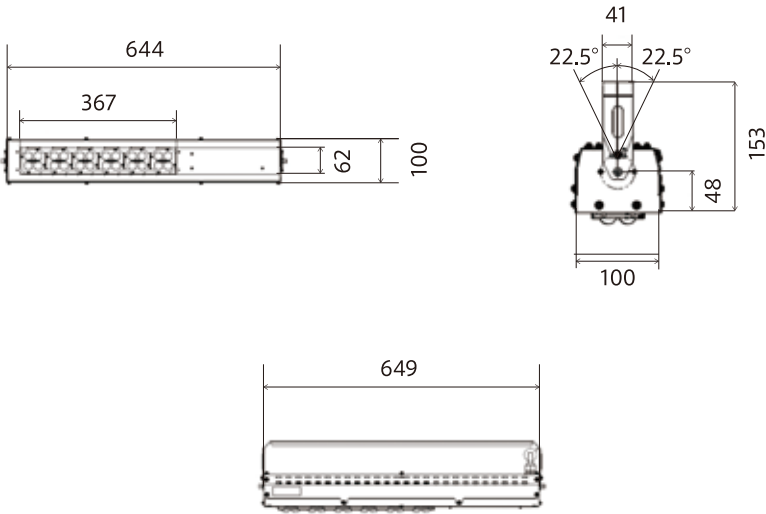
Side



Back

### External Dimensions

unit: mm



### Specifications

Part No.			
LLF0040A			
Color Temperature:	5000K	Ambient Temperature:	-20 ~ 50℃
Power Consumption:	52W (at AC 220V)	Waterproof and dustproof:	I P23
Light source luminous flux:	5,760 lm (5000K)	Variation of Lens:	narrow angle/medium angle/wide angle
Luminous Efficiency:	111 lm/W	Weight:	3.7kg
Material:	SECC	Power Source:	Built-in
Color Rendering Property:	Ra70	Lightning Surge Protection Pressure Resistance:	10kV (Common mode)
Input Voltage:	AC90 ~ 305V /rated voltage AC100 ~ 277V	LED light source lifetime:	40,000h (lumen maintenance factor 70%)



LEDSFOCUS PRO

LED floodlight with ultra-narrow light distribution



Description of part No.

LLF\*\*\*\*A / \*\*\*\*\*/\*\*/\*/\*\*/\*/\*\*/\*/\*\*/\*  
a b c d e f g h i j k

Narrow angle type	a , b : Main type	LLF0111A/LWWD035, LLF0112A/MWWD017, LLF0113A/SWWD004
	c , d : Color of light source	22/X: 2200K, 27/X: 2700K, 30/X: 3000K, 40/X: 4000K, 50/X: 5000K, 57/X: 5700K, 65/X: 6500K, RE/N: Red, GR/N: Green, BL/N: Blue,YE/N: Gold
	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: Underfloor
	g : Body color	BK: Charcoal gray, WH: White, SI: Silver (WH and SI are additional options)
	h : Control	S: On/Off control
	i : Coating	C: Heavy salt resistance
	j : Standards	CE: CE
Medium angle type	k: Version No.	1: Version 1
	a , b : Main type	LLF0111A/LWWD056, LLF0112A/MWWD028, LLF0113A/SWWD007
	c , d : Color of light source	22/X: 2200K, 27/X: 2700K, 30/X: 3000K, 40/X: 4000K, 50/X: 5000K, 57/X: 5700K, 65/X: 6500K, YE/N: Gold
	e : Light distribution angle	10: 10° , 20: 20° , 30: 30°
	f : Installation type	S: Underfloor
	g : Body color	BK: Charcoal gray, WH: White, SI: Silver (WH and SI are additional options)
	h : Control	S: On/Off control
	i : Coating	C: Heavy salt resistance
	j : Standards	CE: CE
	k: Version No.	1: Version 1

LEDSROAD

Road Lighting

Road Lighting		Power consumption (W) (at 220 V)	Luminous flux (lm)	Color temperature	UL	C E	PSE
	Part No.						
LED road lighting	LLF0016A/LEN1/56/E/IN/A	117	15,000	4000K	—	○	○
	LLF0016A/LEN2/56/E/IN/A				—	○	○
	LLF0016A/LEN3/56/E/IN/A				—	○	○
	LLF0016A/LEN4/56/E/IN/A				—	○	○
LLF0016A	LLF0016A/LEN4/64/E/IN/A	134	17,200		—	○	○
	LLF0016A/LEN1/72/E/IN/A				—	○	○
	LLF0016A/LEN2/72/E/IN/A				—	○	○
	LLF0016A/LEN3/72/E/IN/A				—	○	○
LLF0016A	LLF0016A/LEN4/72/E/IN/A	150	19,400		—	○	○
	LLF0016A/LEN1/76/E/IN/A				—	○	○
	LLF0016A/LEN2/76/E/IN/A				—	○	○
	LLF0016A/LEN3/76/E/IN/A				—	○	○
LLF0016A	LLF0016A/LEN4/76/E/IN/A	159	20,400		—	○	○
	LLF0016A/LEN1/80/E/IN/A				—	○	○
	LLF0016A/LEN2/80/E/IN/A				—	○	○
	LLF0016A/LEN3/80/E/IN/A				—	○	○
LLF0016A	LLF0016A/LEN4/80/E/IN/A	167	21,500		—	○	○
	LLF0016A/LEN1/96/E/IN/A				—	○	○
	LLF0016A/LEN2/96/E/IN/A				—	○	○
	LLF0016A/LEN3/96/E/IN/A				—	○	○
LLF0016A	LLF0016A/LEN4/96/E/IN/A	202	25,800		—	○	○
LED road lighting	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		—	○	○
LLF0017A							

LEDSFOCUS

LED floodlight with ultra-narrow light distribution

	Part No.	1/2 beam angle	Color	UL	C E	PSE
LED floodlight with ultra-narrow light distribution	LLM0545A_UZ/FLOODLIGHT23	2.5°	3000K	○	○	○
	LLM0545A_UZ/FLOODLIGHT24		4000K	○	○	○
	LLM0545A_UZ/FLOODLIGHT265		6500K	○	○	○
	LLM0545A_UZ/FLOODLIGHT26		Red	○	○	○
	LLM0545A_UZ/FLOODLIGHT27	3°	Green	○	○	○
	LLM0545A_UZ/FLOODLIGHT28		Blue	○	○	○
	LLM0545A_UE/FLOODLIGHT32		2200K	○	○	○
	LLM0545A_UE/FLOODLIGHT33		3000K	○	○	○
LLM0545A	LLM0545A_UE/FLOODLIGHT34	5°	4000K	○	○	○
	LLM0545A_UE		5700K	○	○	○
	LLM0545A_UE_FLOODLIGHT36		Red	○	○	○
	LLM0545A_UE/FLOODLIGHT37		Green	○	○	○
	LLM0545A_UE/FLOODLIGHT38	4°	Blue	○	○	○
	LLM0545A_UE/FLOODLIGHT39		Amber	○	○	○
	LLM0545A_UG/FLOODLIGHT53		3000K	○	○	○
	LLM0545A_UG/FLOODLIGHT54		4000K	○	○	○
Options	LLM0545A_UG		5700K	○	○	○
	LLM0545A_UB/FLOODLIGHT40		Gold	—	○	○
Options	LLM0545A/BRACKET2	Bracket		—	—	—
	LLP0028A/MU040A070AQ(IP67)	Power source		—	○	○
	LLM0545A-UZ/CABLE1	Cable 10m		—	—	—

LEDSFOCUS

LED spotlight with ultra-narrow light distribution

LED spotlight with ultra-narrow light distribution	LLM0854A/LIGHTING EQU30	2.5°	3000K	—	○	○
	LLM0854A/LIGHTING EQU40		4000K	—	○	○
	LLM0854A/LIGHTING EQU50		5000K	—	○	○
	LLM0854A/LIGHTING EQU60		Red	—	○	○
	LLM0854A/LIGHTING EQU70	2.5°	Green	—	○	○
	LLM0854A/LIGHTING EQU80		Blue	—	○	○
	LLM0854A/BRACKET3	Bracket	—	—	—	—
LLM0854A						

LEDSFOCUS LINE

LED linear lighting

LED linear lighting	LLM1389A/LIGHTING EQU30	2.5°	3000K	—	○	○
	LLM1389A/LIGHTING EQU40		4000K	—	○	○
	LLM1389A/LIGHTING EQU50		5000K	—	○	○
	LLM1389A/LIGHTING EQU60		Red	—	○	○
	LLM1389A/LIGHTING EQU70	2.5°	Green	—	○	○
	LLM1389A/LIGHTING EQU80		Blue	—	○	○
LLM1389A						

LEDSHIGHMAST

Special Outdoor Lighting

	Part No.	Light distribution angle	Color temperature	UL	C E	PSE
Outdoor LED floodlight	LLF0059A/1458/06/C/I/U/O	Narrow angle 26°	3000K	—	○	○
	LLF0059A/1457/06/C/I/U/O	Medium angle 50°		—	○	○
	LLF0059A/1456/06/C/I/U/O	Wide angle 100°		—	○	○
	LLF0059A/1455/06/C/I/U/O	Narrow angle 26°		—	○	○
	LLF0059A/1454/06/C/I/U/O	Medium angle 50°	4000K	—	○	○
	LLF0059A/1453/06/C/I/U/O	Wide angle 100°		—	○	○
	LLF0059A/1452/06/C/I/U/O	Narrow angle 26°		—	○	○
	LLF0059A/1451/06/C/I/U/O	Medium angle 50°		—	○	○
LLF0059A	LLF0059A/1450/06/C/I/U/O	Wide angle 100°	5700K	—	○	○
			5000K	—	○	○
Outdoor LED floodlight	LLF0011A/FLOODLIGHT 1	Wide angle 70°	5000K	—	○	○
	LLF0011A/FLOODLIGHT 3	Narrow angle 18°		—	○	○
			3000K	—	○	○
LLF0011A						
Outdoor LED floodlight	LLF0012A/FLOODLIGHT 1	Wide angle 70°	5000K	—	○	○
	LLF0012A/FLOODLIGHT 3	Narrow angle 18°		—	○	○
	LLF0012A/FLOODLIGHT 13	Wide angle 70°		—	○	○
	LLF0012A/FLOODLIGHT 33	Narrow angle 18°		—	○	○
			3000K	—	○	○
LLF0012A						

LEDSHIGHBAY

Indoor Maintenance-Free Lighting

	Part No.	Number of module(s)	Power consumption (W) (at 220 V)	Color temperature	UL	C E	PSE
LED high bay lighting	LLF0058A/1400/01/C/IN/0	1	56	3000K	—	○	○
	LLF0058A/1400/02/C/IN/0	2	111		—	○	○
	LLF0058A/1400/03/C/IN/0	3	163		—	○	○
	LLF0058A/1400/04/C/IN/0	4	215		—	○	○
	LLF0058A/1400/01/G/IN/0	1	56	5000K	—	○	○
	LLF0058A/1400/02/G/IN/0	2	111		—	○	○
	LLF0058A/1400/03/G/IN/0	3	163		—	○	○
	LLF0058A/1400/04/G/IN/0	4	215		—	○	○
LLF0058A							
LED lighting under the eaves	LLF0040A/1348/06/G/IN/0	Wide angle	52	5000K	—	—	○
	LLF0040A/1350/06/G/IN/0	Medium angle			—	—	○
	LLF0040A/1349/06/G/IN/0	Narrow angle			—	—	○
	LLF0040A/1348/06/G/IN/A	Wide angle			—	○	—
	LLF0040A/1350/06/G/IN/A	Medium angle	52	5000K	—	○	—
	LLF0040A/1349/06/G/IN/A	Narrow angle			—	○	—
LLF0040A							

Some of the ○'s in CE or PSE are still a plan.



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 cause 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 cause electric shock.
- Do not repair, dismantle or modify the product on your own. It can cause the product falling, electric shock or fire.
- The light source uses LED of high brightness. Do not look directly at the light source part.



CAUTIONS FOR ELECTRIC SHOCK

Replacement of the lighting fixture’s light source or power source can 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 cause burns.
- High temperatures shorten the product’s life.
- In case of any sign of abnormality, turn off the power immediately and contact the selling agency even if it is within the lifetime.  
If used under abnormal conditions, it may cause 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 would 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.
- Conduct an inspection by a specialist such as a construction store at least every three years.  
(When more than three years has passed, inspection needs to be done elaborately.  
If used under abnormal conditions, it may cause smoke, ignition, electric shock, or falling of the product.)
- Please note that LED elements have dispersion and thus 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 maintenance of the fixture.  
The fixture remains hot shortly after it is turned off, so please wait some time (20-30 minutes) before 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 detergent.  
It can be a cause of 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 an inundation into the fixture or damage to the fixture.

Request for Exchange

- During the warranty period, please notify the shop (construction store) of your purchase with an attachment that specifies the delivery date.
- After the warranty period, please consult with the shop (construction store) of your purchase.  
A paid exchange is available upon request.
- For inquiries regarding after-sales service or for consultation about exchange, please contact the shop (construction store) of your purchase or our assistance service below. Please be sure to specify the article name and the time of purchase.

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 does not apply if the cause of damage is any of the followings:
  - ①Lack of care in use or mishandling
  - ②Repair done by the user or modification(s)
  - ③Use under unreasonable operating environment or conditions
  - ④Natural disaster (fire, earthquake, typhoon) etc.
  - ⑤Condensation that occurred due to deviation from service temperature or storage temperature conditions described in the specifications
  - ⑥Electrical stress such as excessive voltage surge including thunder
- In case the cause of damage cannot be limited, a consultation between both companies comes into place.
- The intended use of the product is a light source for lighting.  
We do not bear any responsibility for any damage incurred from usage other than our intended use.

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 for an improvement.
- ・ Please note that, by nature of printed matter, the color of products may slightly differ from actual products.

