

Panasonic

LIGHTING FIXTURES FOR PROFESSIONALS

PROJECT CATALOG 2020





Panasonic strives to pursue a better life
for each individual customer with its various partners
in various spaces and fields, such as the home,
the community, in business, in travel, and in the car.
We aim to realize a better world globally.

Lighting the way to a better world

Light does not only illuminate objects. It also dramatically enhances the atmosphere of living spaces as well as allows for the occupants to feel more relaxed and at ease. LED lighting, in particular, offers greater energy savings along with higher color rendering properties, opening up a new realm of possibilities.

For over 60 years, Panasonic has continued to advance lighting in terms of technology, quality, and design methods for spaces. Panasonic now enjoys a proven track record as a trusted, first-choice brand of lighting products in Japan.*

“Panasonic LED” will continue to achieve greater energy savings while enriching various living spaces and urban environments around the world.

Experience for yourself how our LED lighting products add value to any application.

*Panasonic survey in December 2017

Panasonic LED

Index

Introduction

Lighting the way to a better world

P. 1-2

Index

P. 3-4

Lighting Solutions for Professionals

P. 5-6

Solution Image

P. 7-8

Job References

P. 9-14

Explanation of Marks

P. 15

Lighting Catagory

P. 16-19

Indoor

General Down Light

P. 20-27

I-Series & E-Series
Glare Cut 30° Type
Q-Series

Special Down Light

P. 28-36

Down Light J-Series
System Light
Glareless Family
Down Light Outdoor
Down Light Waterproof

General Base Light

P. 37-42

LED G13 Reflector
LED G13 Batten
LED G13 Recessed
Panel Type Retangular
Panel Type Square

Special Base Light

P. 43-58

iD Series
HACCP & Clean Food Series
System Ceiling
LED Extrusion

High Bay

P. 59-63

High Bay UFO
High Bay Japan
Tri-Proof
High Bay Temperature and Vibration

Contour and Cove

P. 64-67

Strip Light
LED Batten Slim Type

Appendix

Product Number Index

P. 80-83

Note

P. 84-85

Precautions on Using LED Base Lighting

P. 86

Outdoor

Street Light

P. 68-71

Street Light EVO
Street Light S3
Street Light NEO

Flood Light

P. 72-75

Flood Light Stadium
Flood Light Anti Chlorine
Flood Light

Decorative Light

P. 77-79

RGB Light

Panasonic's UNIQUE PROFESSIONAL ASSISTANCE

Panasonic Professional Lighting offers 3 core values;
Beauty, Comfort, and Reliability.

In addition to the 3 core values, we also provide professional assistance
through our light engineering support, technical tools and
Panasonic unique technologies.

We provide solutions that balance our customer's business success and
environmental & social sustainability.

Light Engineering Support

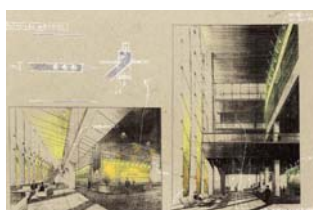
Panasonic provides professional lighting using its unique technical know-how.

01.

Planning and
Basic design



Creating the lighting concept



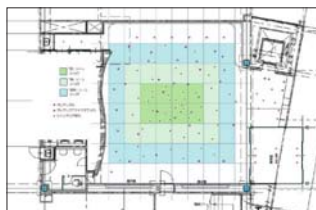
Sketched image of the proposal



Collaboration with designers
and architects

02.

Design and
implementation



Light distribution plan



Considering the human sense
of brightness through "Feu"



Verification by "Real CG"

03.

Testing and
on-site validation



Use various lamps to test
contrast effects



Experimentation
through a mock-up



Examination of the appearance
of the light distribution and color

04.

Validation after
completion



Confirmation and adjustment
on site at time of delivery



Validation of illumination and
"Feu" after delivery



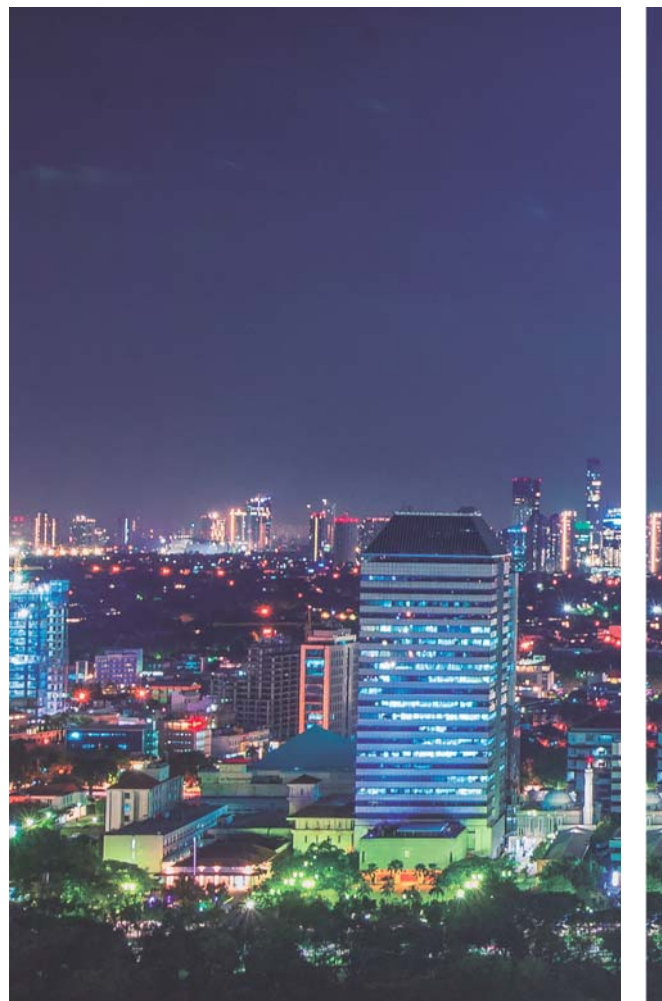
Accumulation of know-how

Solution	Image
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Panasonic LED Lighting Solutions

LIGHTING SOLUTIONS

FOR A BETTER LIFE IN OUR COMMUNITIES



Introducing a wide range of advanced lighting fixtures matching with the needs of our nowadays communities.

We at Panasonic, are proud to provide you various advanced and energy efficient choices based on your need to build tomorrow's future.

From urban infrastructure design, to work space innovations along with retail facilities and factories, Panasonic has the lighting solution you require to take your business to the next level.

Panasonic LED, light up the way to a better world.

Infrastructure
Safety & Reliability



Road Lighting



Sports Facility Lighting



Industrial

Rationality & Productivity



Warehouse Lighting

Commercial

Vitality & Promotion



Office Lighting

Hospitality

Comfort & Relaxation



Hotel & Residence Lighting



Factory Lighting



Retail shop Lighting

Job References

Implementing All LED Field Illumination

GELORA BUNG KARNO FOOT BALL STADIUM

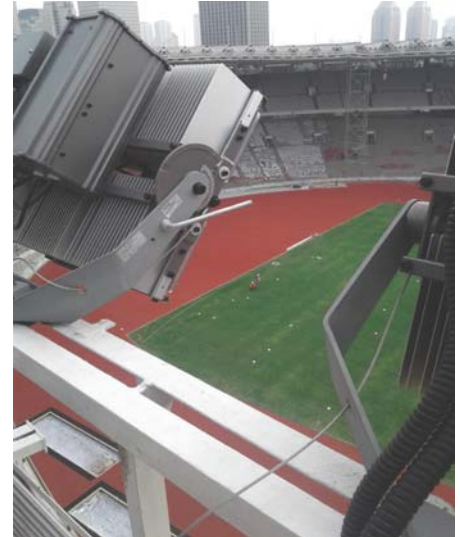
-INDONESIA-

The First newly-built domestic stadium
to adopt a full LED Flood light system

1500lx illumination is maintained on the whole pitch, fulfilling the Japanese Soccer Association's standards. By combining three types of floodlights to light the field, it is possible to configure the lighting to meet required luminance. Through the combination of LED and new narrow-angle light distribution lenses, we have developed a lighting module to prevent the overlapping of light, which causes glare. In addition, CRI 80 LEDs provide support for high-color rendering on live television broadcasts, reproducing bright colors.

In case of emergency, the lights can assume functions for the area's primary refuge point or disaster countermeasure department.





Property Information
 Completion : January 2018
 Owner : Mandala Putra Pratma
 (MPP is the main constituent of this private organization)
 Design Lighting : Panasonic
 Electrical Work : MPP Corporation

Space Lighting Layout

Software technology to powerfully and equally illuminate the field.

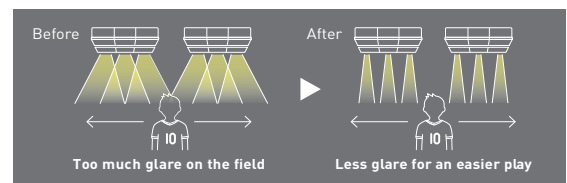
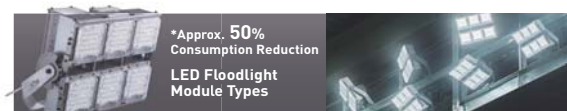
By controlling the angle, number and position of devices with over 610 lights. This creates an easily playable environment for the athletes.



Light Distribution Layout

The system uses LED hardware technology to reduce glare on the athletes.

By using Panasonic's proprietary design technology, we have been able to achieve a narrow-angle light distribution. By reducing the overlap of light that causes glare, it is reduced both horizontally on the field and even when looking up at the lights.



Job References

Hindu Temple in the Ancient City of Yogyakarta
Registered as a World Heritage Site in 1991

PRAMBANAN TEMPLE COMPOUNDS



Vividly illuminating the Prambanan, a Hindu temple compound that is a World Heritage Site which was built in the 9th-century. It was registered as a World Heritage Site in 1991. The LED illumination project was implemented to attract tourists and to promote the local economy. The color temperature varies in accordance with the time of night giving the temples a unique appearance and brightly illuminating the temple surfaces.

▼ For more information



Indonesia Website Prambanan
<http://panasonic.net/ts/id/prambanan/>

Property Information
Completion: December 2014
Location: Indonesia/Jakarta
Owner: PT Taman Wisata Candi Borobudur,
Prambanan, and Ratu Boko
Lighting Design: PT. Panasonic Gobel Life Solutions
Sales Indonesia

Platinum Scene (4000k)



Silver Scene (5000k)



Gold Scene (3000K)



Appearance with previous light source



Appearance with LEDs



Lippo Group's large scale shopping mall within a composite facility Lippo Mall Puri, St. Moritz

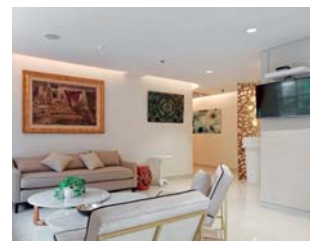


Property Information
Completion: August 2015
Location: Indonesia/Jakarta
Owner: PT Lippo Karawaci Tbk.
Lighting design: LITAC

Energy saving and easy maintenance design for a high grade shopping mall

Low glare LED downlights and LED strip lights are utilized for indirect lighting and energy savings that require minimal maintenance for one of the biggest shopping malls in Jakarta.

Luxury anti-aging clinic AnHo Premier (AnHo Bio Prima)-Integrative Medicine Center

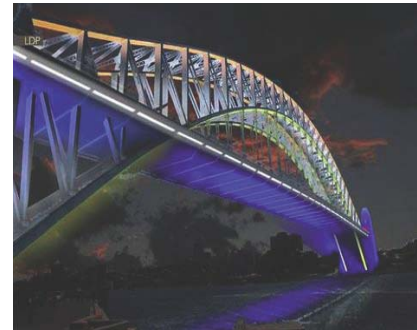


Property Information
Completion: October 2015
Location: Indonesia/Jakarta
Owner: PT Anho Biogenesis Prima Indonesia

Harmonized with a high grade interior design and a relaxing atmosphere

A completely all LED lighting design for clinics. Glareless downlights and indirect lighting are utilized in order to avoid uncomfortable glare. This lighting design is also considered to aid in a patients treatment.

Tenggarong Bridge, Kalimantan, Indonesia



Gelora Bung Karno, Jakarta, Indonesia



Explanation of Marks

ONE CORE

The ONE CORE LED is a great way to prevent excessive glare or unnatural shadows from occurring because its design uses an integrated single-package LED to deliver natural, clearly defined light and shadows.

Conventional Multi packaged LED



Multiple shadows can be seen



ONE CORE



A single shadow can be seen

High CRI

Light at a color rendering index of CRI 95 makes the colors of irradiated objects appear in their natural colors.

Vivid Light

LED light draws out the vivid colors of plantings: flowers and greenery.

Dimmable

Fixture is dimmable.

Non-dimmable

Fixture is non-dimmable.



A wide range of beam angles to meet your unique needs.

Note: The numerical value of "000 lm Type" written in this catalog on each page is only there as a reference for easier organization of our products. For the exact lumen output please refer to the specs written for each individual model number written in the catalog.

Help industrial save energy and increase productivity

Production Line / Stock Room

High Bay Ensures brightness even with high ceilings, and realizes significant energy saving



High Bay UFO



LED G13 Batten



LED G13 Recessed

Parking

iD Series

High efficiency, significant energy use reduction



iD Series Rain Proof

Street Light

Long life span of 50000Hours, reducing maintenance work



Street Light S3

Flood Light

Flood Light can be used in various environments



Flood Light

Special Environment

High Bay Designed to work even with a hoist crane



High Temperature Type



Vibration Type



Down Light Waterproof

Clean Room Designed to be resistant against salt damage



HACCP & Clean Food Series

Help office save energy and increase productivity

Office Room

Panel Light Slim design and wide spreading light can fit to various kind of office



Panel Retangular Type



Panel Square Type

Base Light Lighting fixtures with a wide range of variations



iD Series Batten Type



iD Series V-Shape Type



iD Series Reflector Type



iD Series Recessed Type

Down Light Lighting with downlights creates a beautiful space



Down Light I-Series



Down Light J-Series



Down Light Glare Cut 30°

Outdoor Lighting

iD Series

High efficiency, significant energy use reduction



iD Series Rain Proof

Street Light

Long life span of 50000Hours, reducing maintenace work



Street Light S3

Flood Light

Flood Light can be used in various environments



Flood Light

Decorative Lighting Designed to be RGB Product



Spot Light



Wall Washer



Outline Type

Help infrastructure save energy and increase lighting

Street Light



Street Light

Flood Light

Lighting fixtures can use pools and stadium



High Lumen Anti Chlorine



High Lumen Stadium

Help commercial save energy and increase beauty space

Shop

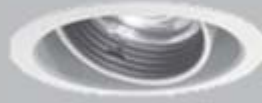
Down Light Lighting with downlights creates a beautiful space



Down Light I-Series



Down Light J-Series



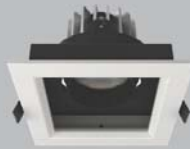
Down Light Tolso Adjustable



Down Light a Series



System Light Tolso



System Light

Corner



Glareless Down Light



Down Light Glare Cut 30°



Down Light Soft Edge

Outdoor Lighting

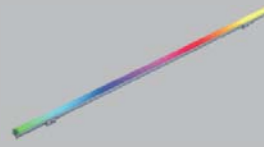
Decorative Lighting Designed to be RGB Product



Spot Light



Wall Washer



Outline Type



General Down Light

Down Light I-Series



Specification

Life Time	: 40.000hr
Input Voltage	: AC220-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 80
Glare Cut	: 15°

Silver Specular Finish

Body : Painted Aluminum Die-cast Cool White

Reflector : Anodized Aluminum Specular

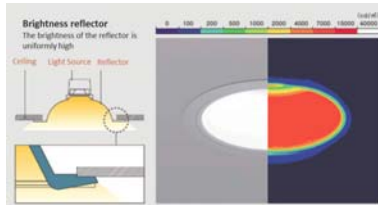
Frame : Painted Aluminum Die-cast Cool White

Cool White Finish

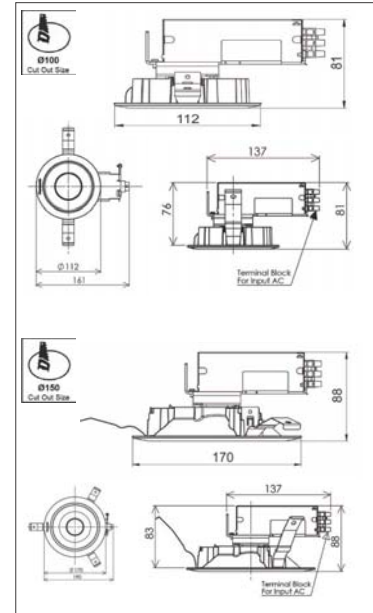
Body : Painted Aluminum Die-cast Cool White

Reflector : Painted Aluminum Die-cast Cool White

Frame : Painted Aluminum Die-cast Cool White



Dimension

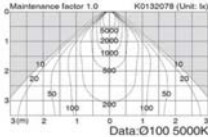
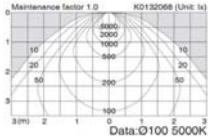
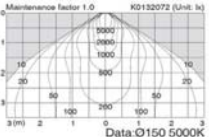
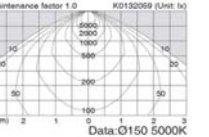


1000lm type

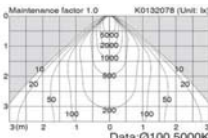
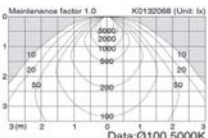
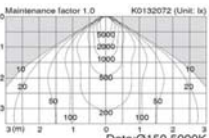
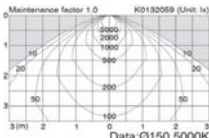
Cut Out	100		150	
Beam Angle				
Wattage	10W	10W	10W	10W
5000K	NNP72245 1045lm-104lm/W	NNP72237 1060lm-106lm/W	NNP72430 1070lm-107lm/W	NNP72434 1050lm-104lm/W
4000K	NNP72234 1035lm-103lm/W	NNP72238 1055lm-105lm/W	NNP72431 1060lm-106lm/W	NNP72435 1040lm-104lm/W
3500K	NNP72235 1010lm-101lm/W	NNP72239 1030lm-103lm/W	NNP72432 1040lm-104lm/W	NNP72436 1015lm-101lm/W
3000K	NNP72236 985lm-98lm/W	NNP72240 1000lm-100lm/W	NNP72442 1010lm-101lm/W	NNP72437 985lm-98lm/W

Down Light I-Series

1500lm type

Cut Out	100		150	
Beam Angle				
Wattage	15W	15W	15W	15W
5000K 	NNP73226 1565lm-104lm/W	NNP73230 1570lm-104lm/W	NNP73425 1645lm-109lm/W	NNP73429 1585lm-105lm/W
4000K 	NNP73227 1550lm-103lm/W	NNP73231 1559lm-103lm/W	NNP73426 1630lm-108lm/W	NNP73442 1570lm-104lm/W
3500K 	NNP73228 1525lm-101lm/W	NNP73232 1530lm-102lm/W	NNP73427 1600lm-106lm/W	NNP73438 1540lm-102lm/W
3000K 	NNP73229 1415lm-94lm/W	NNP73238 1475lm-98lm/W	NNP73428 1540lm-102lm/W	NNP73439 1485lm-99lm/W
				

2000lm type

Cut Out	100		150	
Beam Angle				
Wattage	20.5W	20.5W	20.5W	20.5W
5000K 	NNP74225 2085lm-101lm/W	NNP74229 2085lm-101lm/W	NNP74426 2195lm-107lm/W	NNP74430 2110lm-102lm/W
4000K 	NNP74226 2060lm-100lm/W	NNP74230 2060lm-100lm/W	NNP74427 2170lm-105lm/W	NNP74431 2085lm-101lm/W
3500K 	NNP74227 2020lm-98lm/W	NNP74231 2020lm-98lm/W	NNP74428 2125lm-103lm/W	NNP74432 2045lm-99lm/W
3000K 	NNP74228 1965lm-95lm/W	NNP74232 960lm-95lm/W	NNP74429 2060lm-100lm/W	NNP74433 1985lm-96lm/W
				

Down Light α Series



Specification

Life Time	: 40.000hr
Input Voltage	: AC220-242V
Frequency	: 50/60Hz
Power Factor	: 0.85
CRI	: 80

Silver Specular Finish

Body : Galvanized Steel

Reflector : Painted Steel Cool White

Frame : Anodized Aluminum Specular

Cool White Finish

Body : Galvanized Steel

Reflector : Painted Steel Cool White

Frame : Anodized Aluminum Cool White

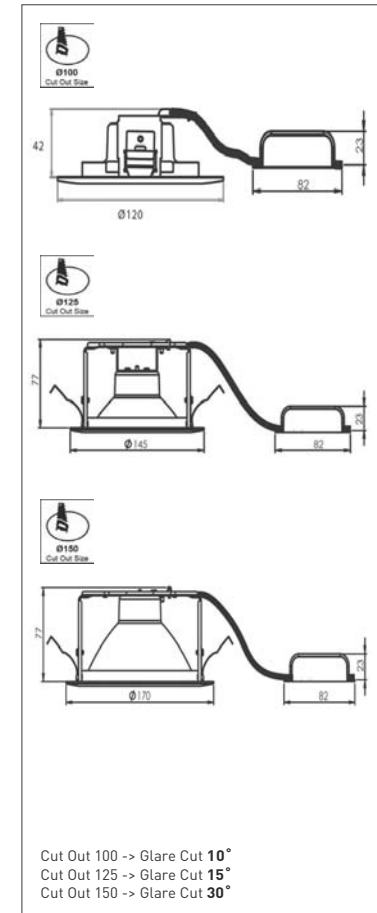
Silver Specular Finish



Cool White Finish



Dimension

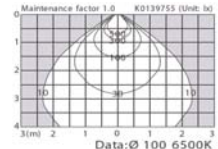
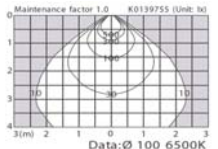
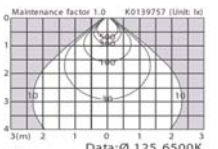
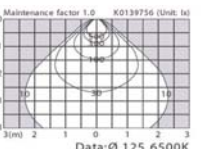


Application

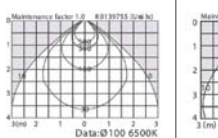
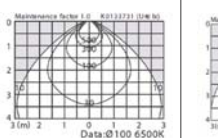
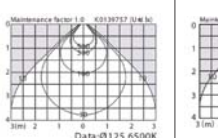
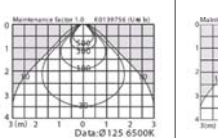
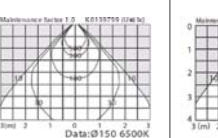
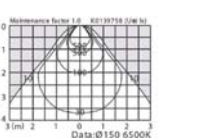


Down Light α Series

500lm type

Cut Out	100		150	
Beam Angle				
Wattage	5.5W	5.5W	5.5W	5.5W
6500K 	NNP71235 435lm-79lm/W	NNP71247 435lm-79lm/W	NNP71335 425lm-77lm/W	NNP71336 425lm-77lm/W
5000K 	-	NNP71246 435lm-79lm/W	-	NNP71333 425lm-77lm/W
4000K 	-	NNP71245 435lm-79lm/W	-	NNP71332 425lm-77lm/W
2700K 	NNP71230 415lm-75lm/W	NNP71244 415lm-75lm/W	NNP71330 405lm-73lm/W	NNP71331 405lm-73lm/W
				

700lm type

Cut Out	100		125		150	
Beam Angle						
Wattage	8.6W	8.6W	8.6W	8.6W	8.6W	8.6W
6500K 	NNP72285 735lm-85lm/W	NNP72286 735lm-85lm/W	NNP72385 735lm-85lm/W	NNP72386 735lm-85lm/W	NNP72485 735lm-85lm/W	NNP72486 735lm-85lm/W
5000K 	-	NNP72253 735lm-85lm/W	-	NNP72353 735lm-85lm/W	-	NNP72453 735lm-85lm/W
4000K 	-	NNP72243 735lm-85lm/W	-	NNP72343 735lm-85lm/W	-	NNP72443 735lm-85lm/W
2700K 	NNP72280 705lm-82lm/W	NNP72281 700lm-81lm/W	NNP72380 705lm-82lm/W	NNP72381 700lm-81lm/W	NNP72480 705lm-82lm/W	NNP72481 700lm-81lm/W
						

Down Light E-series

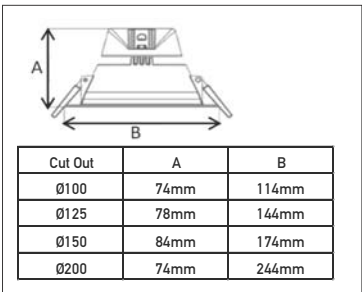


Specification

Life Time	: 30.000hr
Input Voltage	: AC220-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 80
Body : Injection PBT Snow White	
Frame : Injection PBT Snow White	

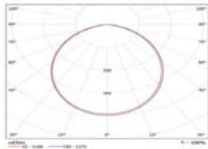
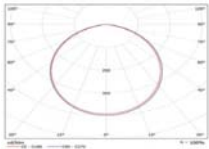
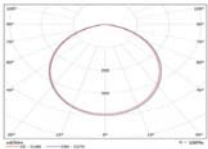
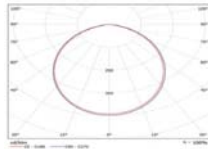


Dimension



Application



Cut Out	100	125	150	200
Wattage	7.5W	9W	15W	19W
6500K ●	NNP71214 750lm-100lm/W	NNP72270 900lm-100lm/W	NNP73470 1350lm-90lm/W	NNP74545 1900lm-100lm/W
5000K ●	NNP71213 750lm-100lm/W	NNP72268 900lm-100lm/W	NNP73468 1350lm-90lm/W	NNP74544 1900lm-100lm/W
4000K ○	NNP71212 750lm-100lm/W	NNP72267 900lm-100lm/W	NNP73467 1350lm-90lm/W	NNP74543 1900lm-100lm/W
3000K ●	NNP71211 750lm-100lm/W	NNP72266 900lm-100lm/W	NNP73466 1350lm-90lm/W	NNP74542 1900lm-100lm/W
				

Down Light Soft Edge Series



Specification

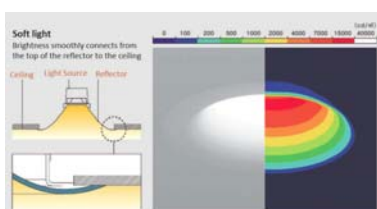
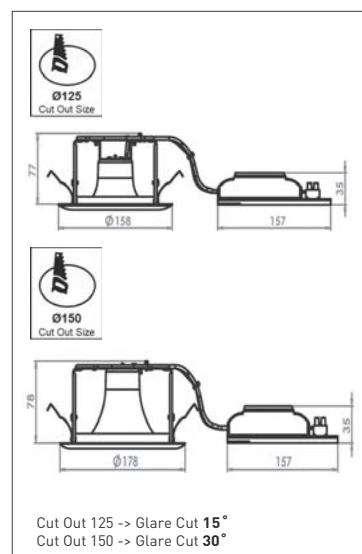
Life Time	: 40.000hr (L70)
Input Voltage	: AC220-242V
Frequency	: 50/60Hz
Power Factor	: 0.85
CRI	: 80

Body : Galvanized Steel

Frame : Painted Aluminum Cool White



Dimension



Application



Cut Out	125	150	125	150
Wattage	8.6W	8.6W	14.4W	14.4W
5000K ●	NNP72375 580lm-70lm/W	NNP72475 580lm-70lm/W	NNP73375 860lm-59lm/W	NNP73475 860lm-59lm/W
4000K ○	NNP72374 570lm-66lm/W	NNP72474 570lm-66lm/W	NNP73374 850lm-59lm/W	NNP73474 850lm-59lm/W
3000K ●	NNP72373 560lm-65lm/W	NNP72473 560lm-65lm/W	NNP73373 840lm-58lm/W	NNP73473 840lm-58lm/W
Photometric Distribution				

Down Light Glare Cut 30°



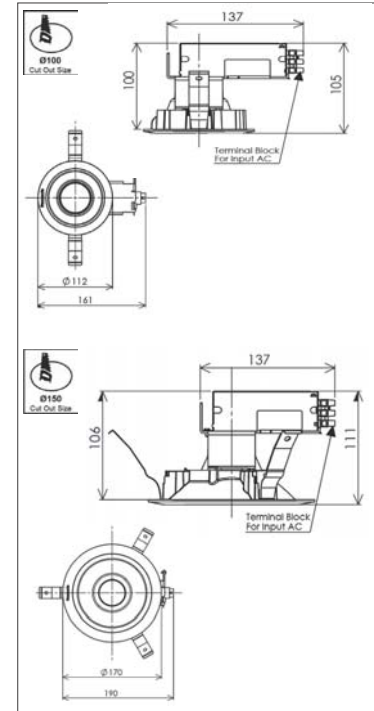
Specification

Life Time	: 40.000hr (L70)
Input Voltage	: AC220-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 80

Body : Aluminum Die-cast
Reflector : Anodized Aluminum Specular
Frame : Painted Aluminum Die-cast



Dimension



Application



Cut Out	100			150		
Beam Angle						
Wattage	20.5W	15W	10W	20.5W	15W	10W
5000K	NNP74233 2040lm-99lm/W	NNP73234 1645lm-109lm/W	NNP72241 925lm-92lm/W	NNP74434 2005lm-97lm/W	NNP73440 1490lm-99lm/W	NNP72438 1000lm-100lm/W
4000K	NNP74234 2015lm-98lm/W	NNP73235 1630lm-108lm/W	NNP72242 920lm-91lm/W	NNP74435 1985lm-96lm/W	NNP73434 1475lm-98lm/W	NNP72439 990lm-99lm/W
3500K	NNP74235 1975lm-96lm/W	NNP73236 1600lm-106lm/W	NNP72246 895lm-89lm/W	NNP74436 1945lm-94lm/W	NNP73441 1450lm-96lm/W	NNP72440 970lm-97lm/W
3000K	NNP74236 1915lm-93lm/W	NNP73237 1540lm-102lm/W	NNP72244 875lm-87lm/W	NNP74437 1855lm-95lm/W	NNP73443 1400lm-93lm/W	NNP72441 940lm-94lm/W



Special Down Light

Down Light J-Series



Specification

Life Time	: 60.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.85
CRI	: 85

Body : Aluminum
Diffuse : Polycarbonate
Driver : Included
Dimming : PWM Dimming



HID ► LED

We recommend that the existing HID Downlights used for many years be renewed to LED Downlights!

HID Down Light



LED Down Light

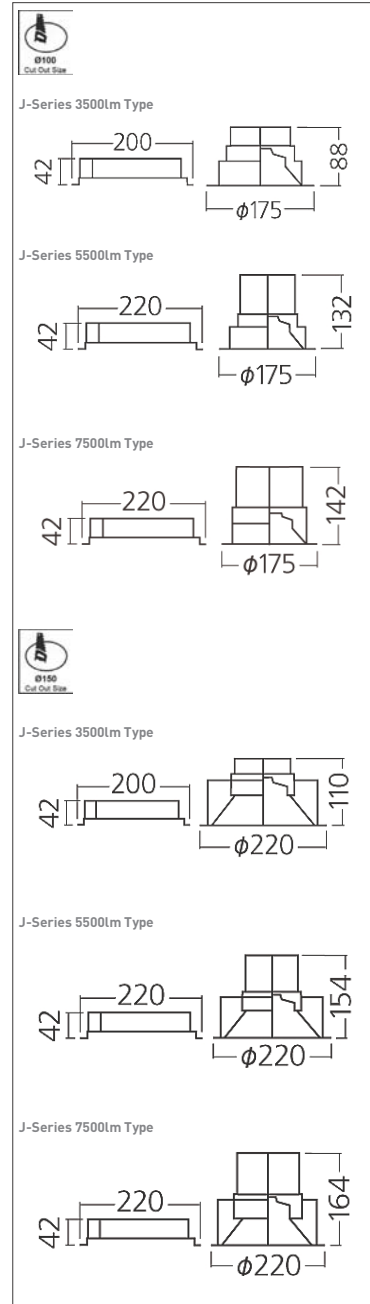


- Compared with conventional HID appliances, energy saving is approximately 65%.
- Maintenance-free Long life 60,000 hours with no need for auto lifter, reducing maintenance
- Instantaneous lighting and re-lighting are possible.
- Dimming function installed Adjustable brightness to the required level for further energy savings
- Excellent color reproducibility High color rendering performance with an average color rendering index of Ra85
- Abundant line-up Appropriate lighting is possible according to the location and purpose of use.

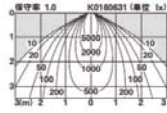
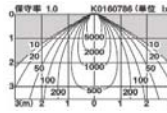
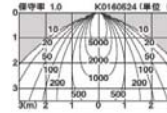
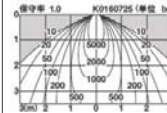
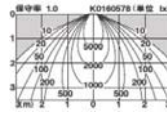
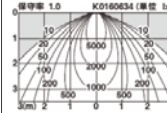
Application



Dimension



Down Light J-Series

Type	J-series 3500lm		J-series 5500lm		J-series 7500lm	
Cut Out	150	200	150	200	150	200
Beam Angle						
Wattage	30.7W	30.7W	42.4W	42.4W	59.1W	59.1W
5000K 	XND3560SNLZ9031 3990lm-129.9lm/W	XND3580SNLZ9031 3985lm-129.8lm/W	XND5560SNLZ9031 5690lm-134.2lm/W	XND5580SNLZ9031 5665lm-133.6lm/W	XND7560SNLZ9031 7940lm-134.4lm/W	XND7580SNLZ9031 7820lm-132.3lm/W
4000K 	XND3560SWLZ9031 3955lm-128.8lm/W	XND3580SWLZ9031 3950lm-128.7lm/W	XND5560SWLZ9031 5640lm-133.0lm/W	XND5580SWLZ9031 5620lm-132.6lm/W	XND7560SWLZ9031 7875lm-133.3lm/W	XND7580SWLZ9031 7755lm-131.2lm/W
3500K 	XND3560SVLZ9031 3925lm-127.9lm/W	XND3580SVLZ9031 3920lm-127.7lm/W	XND5560SVLZ9031 5595lm-131.9lm/W	XND5580SVLZ9031 5575lm-131.5lm/W	XND7560SVLZ9031 7815lm-132.2lm/W	XND7580SVLZ9031 7695lm-130.2lm/W
3000K 	XND3560SLLZ9031 3755lm-122.3lm/W	XND3580SLLZ9031 3750lm-122.2lm/W	XND5560SLLZ9031 5350lm-126.2lm/W	XND5580SLLZ9031 5330lm-125.7lm/W	XND7560SLLZ9031 7470lm-126.4lm/W	XND7580SLLZ9031 7355lm-124.5lm/W
						

System Light Tolso



Specification

Life Time	: 40.000hr
Input Voltage	: AC100-240V
Frequency	: 50/60Hz
Power Factor	: 0.85
CRI	: 85

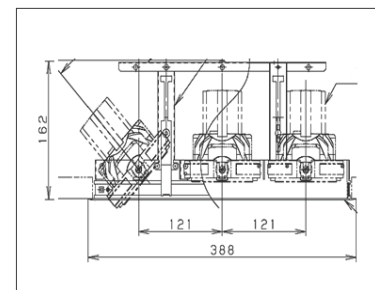
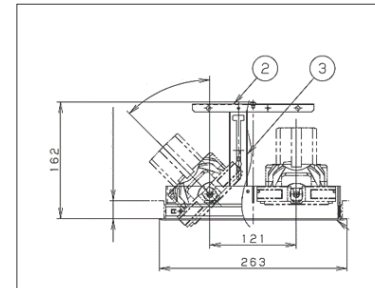
Body : ADC
Diffuse : Polycarbonate
Driver : Included
Dimming : PWM Dim

Multiple lamps are put together in a box to create a clean ceiling surface. The compact size and reduced glare suppress the presence of equipment and produce a calm space.

Directly combined with lamps. In combination with various lamps, it is possible to produce freely according to the space and scene.



Dimension

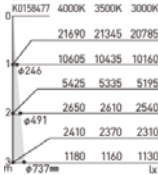
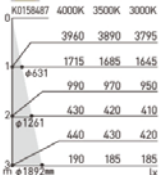
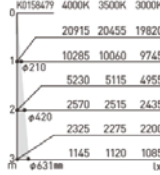
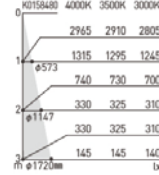


Application

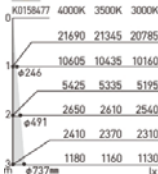
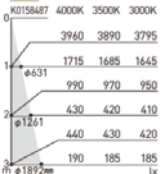
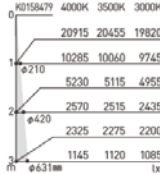
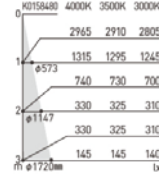


System Light Tolso

2 Lamps

Type	2 x 1700lm	2 x 1700lm	2 x 1100lm	2 x 1100lm
Beam Angle				
Wattage	37.8W	37.8W	30.8W	30.8W
4000K 	XNTS52461DLZ9031 3110lm-82.3lm/W	XNTS52481DLZ9031 3380lm-89.4lm/W	XNTS51411DLZ9031 2290lm-74.4lm/W	XNTS51431DLZ9031 2250lm-73.1lm/W
3500K 	XNTS52462DLZ9031 3060lm-80.9lm/W	XNTS52482DLZ9031 3320lm-87.8lm/W	XNTS51412DLZ9031 2240lm-72.7lm/W	XNTS51432DLZ9031 2210lm-71.8lm/W
3000K 	XNTS52463DLZ9031 2980lm-78.8lm/W	XNTS52483DLZ9031 3240lm-85.7lm/W	XNTS51413DLZ9031 2170lm-70.5lm/W	XNTS51433DLZ9031 2130lm-69.2lm/W
				

3 Lamps

Type	3 x 1700lm	3 x 1700lm	3 x 1100lm	3 x 1100lm
Beam Angle				
Wattage	56.7W	56.7W	46.2W	46.2W
4000K 	XNTS52461TLZ9031 4665lm-82.3lm/W	XNTS52481TLZ9031 5070lm-89.4lm/W	XNTS51411TLZ9031 3435lm-74.4lm/W	XNTS51431TLZ9031 3375lm-73.1lm/W
3500K 	XNTS52462TLZ9031 4590lm-80.9lm/W	XNTS52482TLZ9031 4980lm-87.8lm/W	XNTS51412TLZ9031 3360lm-72.7lm/W	XNTS51432TLZ9031 3315lm-71.8lm/W
3000K 	XNTS52463TLZ9031 4470lm-78.8lm/W	XNTS52483TLZ9031 4860lm-85.7lm/W	XNTS51413TLZ9031 3255lm-70.5lm/W	XNTS51433TLZ9031 3195lm-69.2lm/W
				

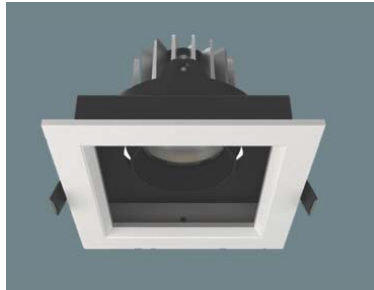
System Light



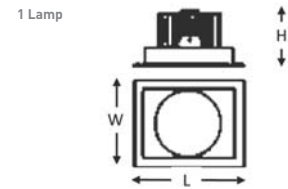
Specification

Life Time	: 30.000hr
Input Voltage	: AC110-240V
Frequency	: 50/60Hz
Power Factor	: 0.85
CRI	: 85

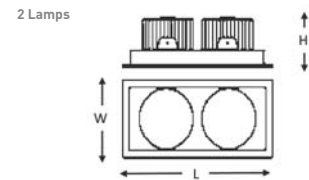
Body : ADC
Diffuse : Polycarbonate
Driver : Included



Dimension



Type	W	L	H
800lm	113mm	113mm	80mm
1200lm	140mm	140mm	97mm



Type	W	L	H
2x800lm	113mm	216mm	80mm
2x1200lm	140mm	275mm	97mm

Type	
800lm	
1200lm	

Application



Type	System Light 1 Lamp		System Light 2 Lamps	
	1200lm	800lm	2x1200lm	2x800lm
Wattage	18W	12W	36W	24W
4000K ○	NNP24922031 1150lm-63.9lm/W	NNP22922031 790lm-65.8lm/W	NNP24932031 2300lm-63.9lm/W	NNP22942031 1580lm-65.8lm/W
3500K ●	NNP24912031 1150lm-63.9lm/W	NNP22912031 790lm-65.8lm/W	NNP24942031 2300lm-63.9lm/W	NNP22932031 1580lm-65.8lm/W

Glareless Family



Specification

Life Time	: 30.000hr
Input Voltage	: AC110-240V
Frequency	: 50/60Hz
Power Factor	: 0.85
CRI	: 90

Body : ADC
Diffuse : Polycarbonate
Driver : Included
Dimming : Phase Cut Dim

LED Glareless optical design provides smooth and beautiful light and light distribution angles for applications.
A thin reflector frame that sticks to the thickness of the ceiling surface will look beautiful from the bottom.

Application



Fixed Glareless Down Light



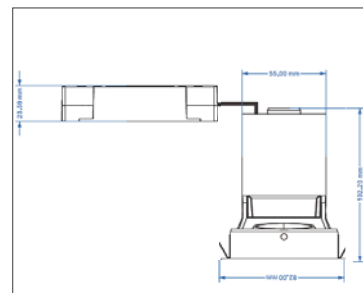
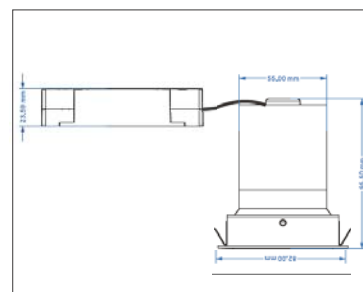
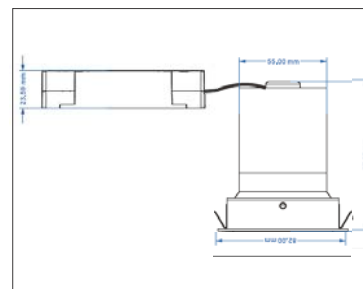
Fixed Pinhole Down Light



Adjustable Glareless Down Light



Dimension



Type	Fixed Glareless		Fixed Pinhole		Adjustable Glareless	
Beam Angle						
Wattage	9W	9W	9W	9W	9W	9W
4000K ○	NNP73292K031 600lm-66.67lm/W	NNP73294K031 600lm-66.67lm/W	NNP23292K031 490lm-54.45lm/W	NNP23294K031 490lm-54.45lm/W	NNP73296K031 380lm-42.23lm/W	NNP73298K031 380lm-42.23lm/W
3000K ●	NNP73291K031 600lm-66.67lm/W	NNP73293K031 600lm-66.67lm/W	NNP23291K031 490lm-54.45lm/W	NNP23293K031 490lm-54.45lm/W	NNP73295K031 380lm-42.23lm/W	NNP73297K031 380lm-42.23lm/W
2700K ●	-	NNP73290K031 600lm-66.67lm/W	NNP23290K031 490lm-54.45lm/W	-	-	-

Down Light outdoor



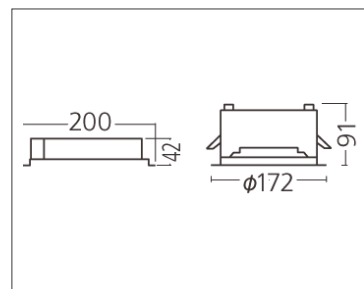
Specification

Life Time	: 60.000hr
Input Voltage	: AC110-240V
Frequency	: 50/60Hz
Power Factor	: 0.85
CRI	: 85

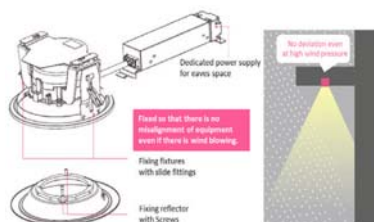
Body : ADC
Diffuse : Polycarbonate
Driver : Integrated



Dimension



LED downlight for eaves Equipped with excellent environmental resistance for eaves, creating a high-quality light space. Dedicated quality for eaves uses a dedicated power supply that supports the space under the eaves where condensation may occur due to temperature differences from the outside air. In addition, it is designed so that there is no misalignment of the instrument even if there is blowing due to wind and rain, by fixing the instrument with slide fittings and fixing the reflector with screws.



Application



Type	1700lm	1400lm	800lm
Beam Angle			
Wattage	15.9W	13W	7.7W
5000K 	NDW26610LE9031 1780lm-111.9lm/W	NDW17610LE9031 1425lm-109.6lm/W	NDW16610LE9031 890lm-115.6lm/W
4000K 	NDW26611LE9031 1770lm-111.3lm/W	NDW17611LE9031 1420lm-109.2lm/W	NDW16611LE9031 890lm-115.6lm/W
3500K 	NDW26612LE9031 1740lm-109.4lm/W	NDW17612LE9031 1390lm-106.9lm/W	NDW16612LE9031 870lm-112.9lm/W
3000K 	NDW26613LE9031 1710lm-107.6lm/W	NDW17613LE9031 1370lm-105.4lm/W	NDW16613LE9031 855lm-111.0lm/W

Down Light Waterproof



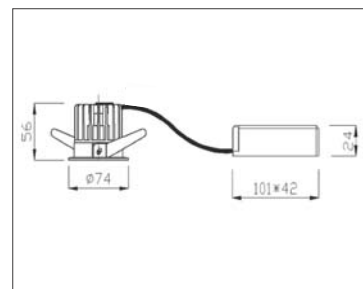
Specification

Life Time	: 30.000hr
Input Voltage	: AC110-240V
Frequency	: 50/60Hz
Power Factor	: 0.85
CRI	: 80

Body : ADC
Diffuse : Polycarbonate
Driver : Included



Dimension



Application



Beam Angle		
Wattage	12W	12W
4000K ○	NNP73184031 635lm-52.9lm/W	NNP73186031 635lm-52.9lm/W
3000K ●	NNP73183031 635lm-52.9lm/W	NNP73185031 635lm-52.9lm/W
2700K ●	-	NNP73187031 635lm-52.9lm/W



General Base Light

LED G13 Reflector Type W1200mm

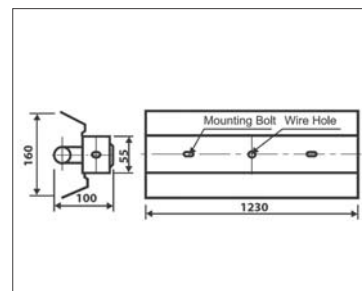


Specification

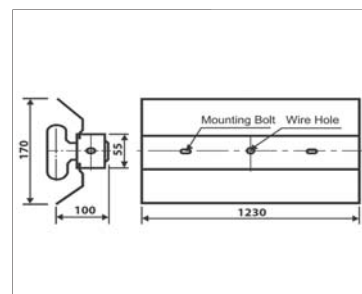
Life Time	: 50.000hr (L70)
Input Voltage	: AC220-240V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 80

Body : Painted Steel White

Dimension



Application



Type	1 Lamp		2 Lamps	
Wattage	16W	12W	16W	12W
6500K ●	XNP84940 1x2100lm-131lm/W	XNP84941 1x1600lm-130lm/W	XNP84942 2x2100lm-131lm/W	XNP84943 2x1600lm-130lm/W
4000K ○	XNP84920 1x2100lm-131lm/W	XNP84921 1x1600lm-130lm/W	XNP84922 2x2100lm-131lm/W	XNP84923 2x1600lm-130lm/W

LED G13 Batten Type W1200mm

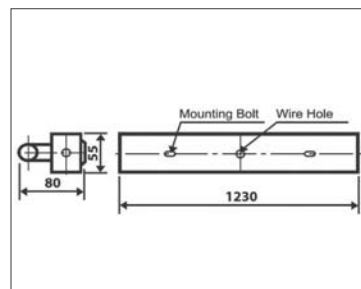


Specification

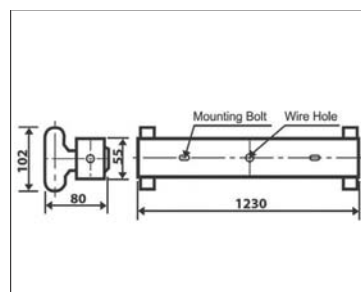
Life Time	: 50.000hr (L70)
Input Voltage	: AC220-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 80

Body : Painted Steel White

Dimension



Application



Type	1 Lamp		2 Lamps	
Wattage	16W	12W	16W	12W
6500K ●	XNP84944 1x2100lm-131lm/W	XNP84945 1x1600lm-130lm/W	XNP84946 2x2100lm-131lm/W	XNP84947 2x1600lm-130lm/W
4000K ○	XNP84924 1x2100lm-131lm/W	XNP84925 1x1600lm-130lm/W	XNP84926 2x2100lm-131lm/W	XNP84927 2x1600lm-130lm/W

LED G13 Recessed Type W1200mm



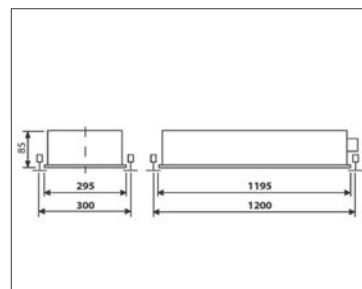
Specification

Life Time	: 50.000hr (L70)
Input Voltage	: AC220-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 80

Body : Painted Steel White



Dimension



Application



Type	2Lamps LED G13	
Wattage	16W	12W
6500K ●	XNP84948 2x2100lm-131lm/W	XNP84949 2x1600lm-130lm/W
4000K ○	XNP84928 2x2100lm-131lm/W	XNP84929 2x1600lm-130lm/W

Panel Rectangular Type

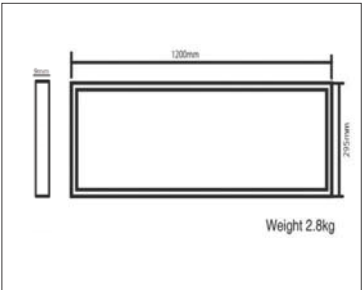


Specification

Life Time	: 30.000hr (L70)
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 80
Body : Painted Polycarbonate White	
Frame : Painted Aluminum Extruded White	
Installation : Fit Into T-Bar 300 x 1200mm	

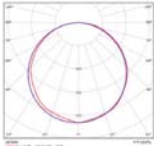
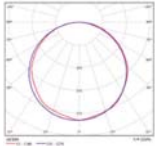


Dimension



Application



Wattage	32W	40W
6500K ●	NNP86740 3840lm-120lm/W	NNP86750 3200lm-800lm/W
4000K ○	NNP86720 3840lm-120lm/W	NNP86730 3200lm-800lm/W
		

Panel Square Type



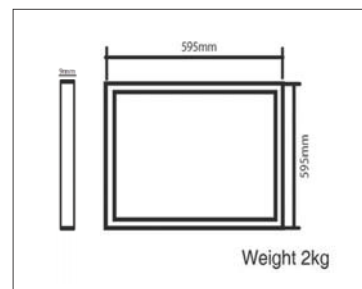
Specification

Life Time : 30.000hr (L70)
 Input Voltage : AC100-242V
 Frequency : 50/60Hz
 Power Factor : 0.90
 CRI : 80

Body : Painted Polycarbonate White
 Frame : Painted Aluminum Extruded White
 Installation : Fit Into T-Bar 300 x 300mm

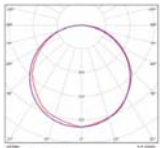
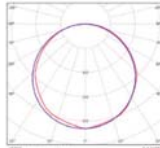


Dimension



Application



Wattage	32W	40W
6500K ●	NNP86140 3840lm-120lm/W	NNP86150 3200lm-800lm/W
4000K ○	NNP86120 3840lm-120lm/W	NNP86130 3200lm-800lm/W
		



Special Base Light

iD series

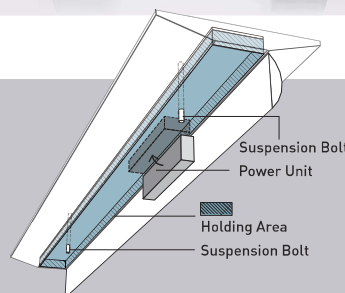
Special Base Light

A unique design made to achieve a beautiful and even light.

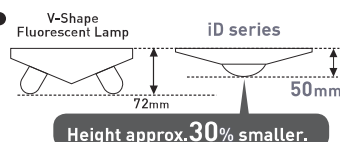


Holding area for suspension

- Created a space within the body of the fixture so that the fixture can be suspended without interfering with the power unit.



- Compared to the conventional V-shape lamp, it is approximately 30% smaller. *i-style, D-style

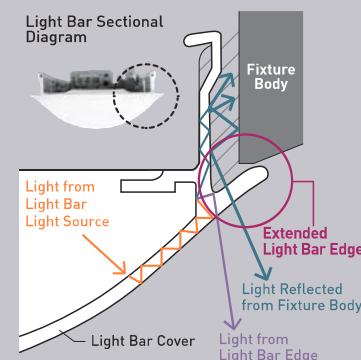


Sleek and stylish design.

- Sleek and stylish design due to there being no screws and latches on the fixture's surface.

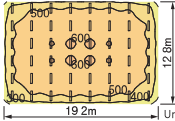
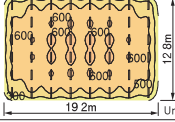
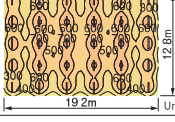


- Continuous light emission from the light bar to the fixture body is achieved by the cover edge of the light bar which covers the gap between the light bar and the fixture body.
- Specialized internal coating reduces the amount of light loss with special white coating inside the body of the fixture which redirects the light emitted inside the fixture outwards.



*The sectional diagram is an image only.

Comparison of 'FL36W x 2 lamps' and 'iD series'

	Power consumption	System efficacy	lluminance distribution chart
2xFL36W V shape	● 80 0w ●	50 lm/W	 Average illuminance: 520 lx Total power consumption: 80 0W x 48Units=3,840W
D style, 4000 lm, 5000K	✓ 25 0w Approx 68% energy saving	160 lm/W	 Average illuminance: 520 lx Total power consumption: 25 0W x 48 Units=1,200W
D style, 6900 lm, 5000K	43 1w ✓ Approx 46% energy saving	160 lm/W	 Average illuminance: 548 lx Total power consumption: 43 1W x 30 Units=1,293W

iD Series 2ft



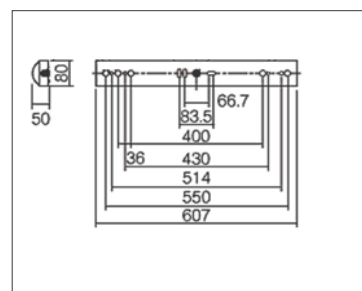
Specification

Life Time	: 40.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 83

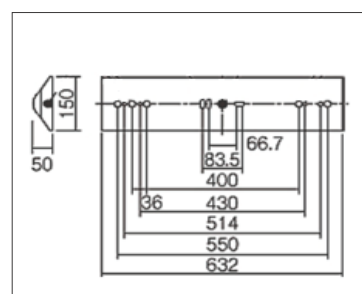
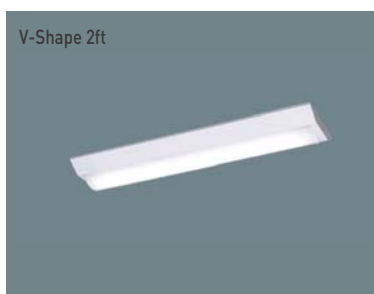
Fixture Body : Steel
 Diffuse : Polycarbonate
 Driver : Integrated
 Dimming : PMW Dim



Dimension



Application



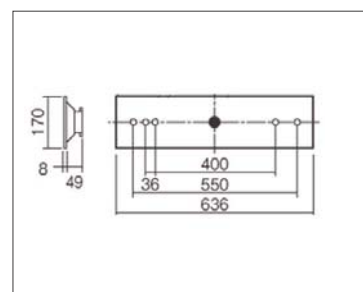
Type	Batten 2ft	V-Shape 2ft
Beam Angle		
Wattage	12.1W	12.1W
Dim	Non Dimmable	Non Dimmable
6500K 	XLX210NEDLE9031 1530lm-126.5lm/W	XLX210AEDLE9031 1530lm-126.5lm/W
5000K 	XLX210NENLE9031 1600lm-132.3lm/W	XLX210AENLE9031 1600lm-132.2lm/W
4000K 	XLX210NEWLE9031 1460lm-120.7lm/W	XLX210AEWLE9031 1460lm-120.7lm/W

iD Series 2ft

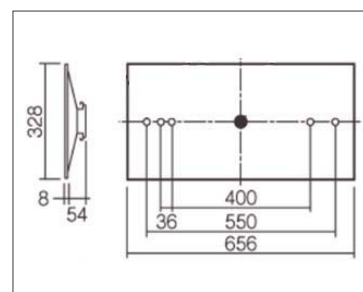


Life Time : 40.000hr
 Input Voltage : AC100-242V
 Frequency : 50/60Hz
 Power Factor : 0.90
 CRI : 83

Fixture Body : Steel
 Diffuse : Polycarbonate
 Driver : Integrated
 Dimming : PMW Dim



Application



Type	Recessed Open W150		Recessed Open W300	
Beam Angle				
Wattage	12.1W	12.1W	12.1W	12.1W
Dim	Non Dimmable	Dimmable	Non Dimmable	Dimmable
6500K 	XLX210PEDLE9031 1490lm-123.2lm/W	XLX210PEDLA9031 1490lm-123.2lm/W	XLX210VEDLE9031 380lm-42.23lm/W	XLX210VEDLA9031 380lm-42.23lm/W
5000K 	XLX210PENLE9031 1550lm-128.1lm/W	XLX210PENLA9031 1550lm-128.1lm/W	XLX210VENLE9031 380lm-42.23lm/W	XLX210VENLA9031 380lm-42.23lm/W
4000K 	XLX210PEWLE9031 1420lm-117.4lm/W	XLX210PEWLA9031 1420lm-117.4lm/W	XLX210VEWLE9031 1420lm-117.4lm/W	XLX210VEWLA9031 1420lm-117.4lm/W

iD Series Batten 4ft



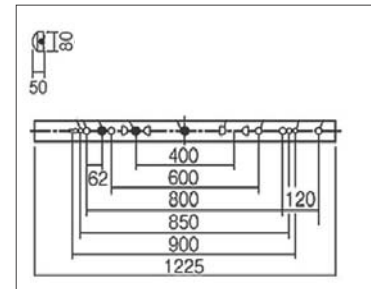
Specification

Life Time	: 40.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 83

Fixture Body : Steel
Diffuse : Polycarbonate
Driver : Integrated



Dimension



Type	Batten 4ft			
	6900lm	5200lm	4000lm	2500lm
Beam Angle				
Wattage	43.1W	32.5W	25W	16.3W
Dim	Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
6500K 	XLX460NEDZLE9031 6650lm-154.3lm/W	XLX450NEDZLE9031 5010lm-154.2lm/W	XLX440NEDTLE9031 3850lm-154lm/W	XLX420NEDZLE9031 2440lm-149.7lm/W
5000K 	XLX460NENZLE9031 6900lm-160.1lm/W	XLX450NENZLE9031 5200lm-160lm/W	XLX440NENTLE9031 4000lm-160lm/W	XLX420NENZLE9031 2500lm-153.4lm/W
4000K 	XLX460NEWZLE9031 6530lm-151.5lm/W	XLX450NEWZLE9031 4920lm-151.4lm/W	XLX440NEWTLE9031 3780lm-151.2lm/W	XLX420NEWZLE9031 2380lm-146lm/W

iD Series V-Shape 4ft

IP20



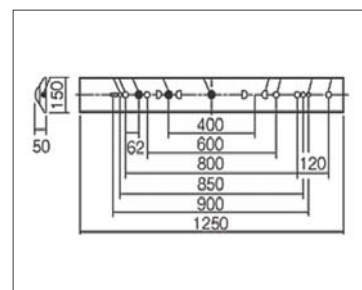
Specification

Life Time : 40.000hr
 Input Voltage : AC100-242V
 Frequency : 50/60Hz
 Power Factor : 0.90
 CRI : 83

Fixture Body : Steel
 Diffuse : Polycarbonate
 Driver : Integrated



Dimension



Type	V-Shape 4ft			
	6900lm	5200lm	4000lm	2500lm
Beam Angle				
Wattage	43.1W	32.5W	25W	16.3W
Dim	Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
6500K 	XLX460AEDZLE9031 6650lm-154.3lm/W	XLX450AEDZLE9031 5010lm-154.2lm/W	XLX440AEDTLE9031 3850lm-154lm/W	XLX420AEDZLE9031 2440lm-149.7lm/W
5000K 	XLX460AENZLE9031 6900lm-160.1lm/W	XLX450AENZLE9031 5200lm-160lm/W	XLX440AENTLE9031 4000lm-160lm/W	XLX420AENZLE9031 2500lm-153.4lm/W
4000K 	XLX460AEWZLE9031 6530lm-151.5lm/W	XLX450AEWZLE9031 4920lm-151.4lm/W	XLX440AEWTLE9031 3780lm-151.2lm/W	XLX420AEWZLE9031 2380lm-146lm/W

iD Series Blackboard 4ft



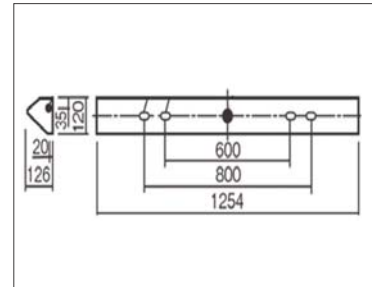
Specification

Life Time	: 40.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 83

Fixture Body : Steel
Diffuse : Polycarbonate
Driver : Integrated



Dimension



Type	Blackboard			
	6900lm	5200lm	4000lm	2500lm
Beam Angle				
Wattage	43.1W	43.1W	-	-
Dim	Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
6500K 	-	-	-	-
5000K 	XLX460BSWZLE9031 6200lm-143.9lm/W	XLX450BSWZLE9031 5870lm-136.2lm/W	-	-
4000K 	-	-	-	-

iD Series Reflector 4ft



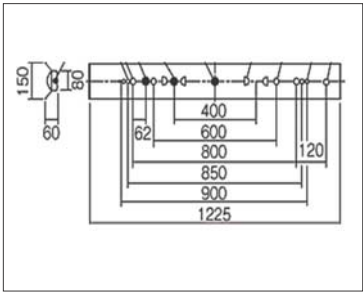
Specification

Life Time	: 40.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 83

Fixture Body : Steel
Diffuse : Polycarbonate
Driver : Integrated



Dimension



Type	Reflector			
	6900lm	5200lm	4000lm	2500lm
Beam Angle				
Wattage	43.1W	32.5W	25W	16W
Dim	Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
6500K 	XLX460KEDZLE9031 6520lm-151.3lm/W	XLX450KEDZLE9031 4910lm-151.1lm/W	XLX440KEDTLE9031 3770lm-150.8lm/W	XLX420KEDZLE9031 2390lm-146.6lm/W
5000K 	XLX460KENZLE9031 6770lm-157.1lm/W	XLX450KENZLE9031 5100lm-156.9lm/W	XLX440KENTLE9031 3920lm-156.8lm/W	XLX420KENZLE9031 2450lm-150.3lm/W
4000K 	XLX460KEWZLE9031 6410lm-148.7lm/W	XLX450KEWZLE9031 4830lm-148.6lm/W	XLX440KEWTLE9031 3710lm-148.4lm/W	XLX420KEWZLE9031 2330lm-142.9lm/W

iD Series Recessed Panel W220 4ft



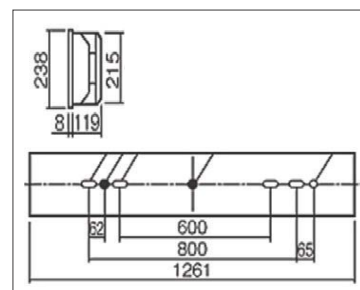
Specification

Life Time	: 40.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 83

Fixture Body : Steel
 Diffuse : Polycarbonate
 Driver : Integrated
 Dimming : PWM Dim



Dimension



Type	Recessed Panel W220			
	6900lm	5200lm	4000lm	2500lm
Beam Angle				
Wattage	43.1W	32.5W	25W	16.3W
Dim	Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
6500K 	XLX466EEDZLE9031 4470lm-103.7lm/W	XLX456EEDZLE9031 3360lm-103.4lm/W	XLX446EEDTLE9031 2580lm-103.2lm/W	XLX426EEDZLE9031 1640lm-100.6lm/W
5000K 	XLX466EENZLE9031 4640lm-107.7lm/W	XLX456EENZLE9031 3300lm-101.5lm/W	XLX446EENTLE9031 2680lm-107.2lm/W	XLX426EENZLE9031 1680lm-103.1lm/W
4000K 	XLX466EEWZLE9031 4390lm-101.9lm/W	XLX456EEWZLE9031 3300lm-101.5lm/W	XLX446EEWTLE9031 2530lm-101.2lm/W	XLX426EEWZLE9031 1600lm-98.2lm/W

Type	Recessed Panel W220			
	6900lm	5200lm	4000lm	2500lm
Beam Angle				
Wattage	43.1W	32.5W	25W	16W
Dim	Dimmable	Dimmable	Dimmable	Dimmable
6500K 	XLX466EEDZLR9031 4470lm-103.7lm/W	XLX456EEDZLR9031 3360lm-103.4lm/W	XLX446EEDTLA9031 2580lm-103.2lm/W	XLX426EEDZLA9031 1640lm-100.6lm/W
5000K 	XLX466EENZLR9031 4640lm-107.7lm/W	XLX456EENZLR9031 3490lm-107.4lm/W	XLX446EENTLA9031 2680lm-107.2lm/W	XLX426EENZLA9031 1680lm-103.1lm/W
4000K 	XLX466EEWZLR9031 4390lm-101.9lm/W	XLX456EEWZLR9031 3300lm-101.5lm/W	XLX446EEWTLA9031 2530lm-101.2lm/W	XLX426EEWZLA9031 1600lm-98.2lm/W

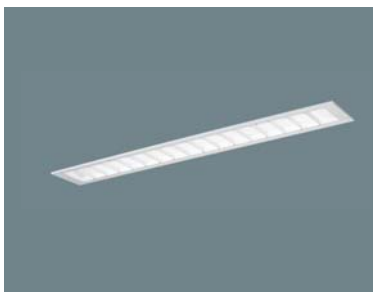
iD Series Recessed Louver W150 4ft



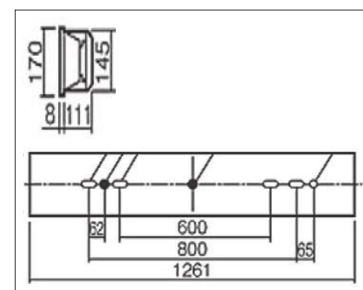
Specification

Life Time	: 40.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 83

Fixture Body : Steel
Diffuse : Polycarbonate
Driver : Integrated
Dimming : PWM Dim



Dimension



Type	Recessed Louver W150			
	6900lm	5200lm	4000lm	2500lm
Beam Angle				
Wattage	43.1W	32.5W	25W	16.3W
Dim	Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
6500K ●	XLX465FEDZLE9031 5480lm-127.2lm/W	XLX455FEDZLE9031 4130lm-127.1lm/W	XLX445FEDTLE9031 3180lm-127.2lm/W	XLX425FEDZLE9031 2010lm-123.32lm/W
5000K ●	XLX465FENZLE9031 5690lm-132.0lm/W	XLX455FENZLE9031 4290lm-132lm/W	XLX445FENTLE9031 3300lm-132lm/W	XLX425FENZLE9031 2060lm-126.4lm/W
4000K ○	XLX465FEWZLE9031 5390lm-125.1lm/W	XLX455FEWZLE9031 4060lm-124.9lm/W	XLX445FEWTLLE9031 3120lm-124.8lm/W	XLX425FEWZLE9031 1960lm-120.3lm/W

Type	Recessed Louver W150			
	6900lm	5200lm	4000lm	2500lm
Beam Angle				
Wattage	43.1W	32.5W	25W	16W
Dim	Dimmable	Dimmable	Dimmable	Dimmable
6500K ●	XLX465FEDZLR9031 5480lm-103.7lm/W	XLX455FEDZLR9031 4130lm-127.1lm/W	XLX445FEDTLA9031 3180lm-127.2lm/W	XLX425FEDZLA9031 2010lm-123.3lm/W
5000K ●	XLX465FENZLR9031 5690lm-107.7lm/W	XLX455FENZLR9031 4290lm-132lm/W	XLX445FENTLA9031 3300lm-132lm/W	XLX425FENZLA9031 2060lm-126.9lm/W
4000K ○	XLX465FEWZLR9031 5390lm-125.1lm/W	XLX455FEWZLR9031 4060lm-124.9lm/W	XLX445FEWTLA9031 3120lm-124.8lm/W	XLX425FEWZLA9031 1960lm-120.3lm/W

iD Series Recessed Open W150 4ft



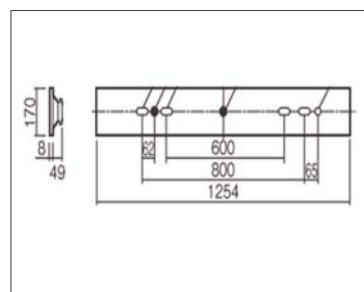
Specification

Life Time	: 40.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 83

Fixture Body : Steel
 Diffuse : Polycarbonate
 Driver : Integrated
 Dimming : PWM Dim



Dimension



Type	Recessed Open W150			
	6900lm	5200lm	4000lm	2500lm
Beam Angle				
Wattage	43.1W	32.5W	25W	16.3W
Dim	Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
6500K 	XLX460PEDZLE9031 6430lm-149.2lm/W	XLX450PEDZLE9031 4850lm-149.2lm/W	XLX440PEDTLE9031 3740lm-149.6lm/W	XLX420PEDZLE9031 2360lm-144.8lm/W
5000K 	XLX460PENZLE9031 6680lm-154.9lm/W	XLX450PENZLE9031 5040lm-155.1lm/W	XLX440PENTLE9031 3880lm-155.2lm/W	XLX420PENZLE9031 2420lm-148.5lm/W
4000K 	XLX460PEWZLE9031 6320lm-146.7lm/W	XLX450PEWZLE9031 4770lm-146.7lm/W	XLX440PEWTLE9031 3670lm-146.8lm/W	XLX420PEWZLE9031 2300lm-141.1lm/W

Type	Recessed Open W150			
	6900lm	5200lm	4000lm	2500lm
Beam Angle				
Wattage	43.1W	32.5W	25W	16W
Dim	Dimmable	Dimmable	Dimmable	Dimmable
6500K 	XLX460PEDZLR9031 6430lm-149.2lm/W	XLX450PEDZLR9031 4850lm-149.2lm/W	XLX440PEDTLA9031 3740lm-149.6lm/W	XLX420PEDZLA9031 2360lm-144.8lm/W
5000K 	XLX460PENZLR9031 6680lm-154.9lm/W	XLX450PENZLR9031 5040lm-155.1lm/W	XLX440PENTLA9031 3880lm-155.2lm/W	XLX420PENZLA9031 2420lm-148.5lm/W
4000K 	XLX460PEWZLR9031 6320lm-146.7lm/W	XLX450PEWZLR9031 4770lm-146.7lm/W	XLX440PEWTLA9031 3670lm-146.8lm/W	XLX420PEWZLA9031 2300lm-141.1lm/W

iD Series Recessed Open W330 4ft



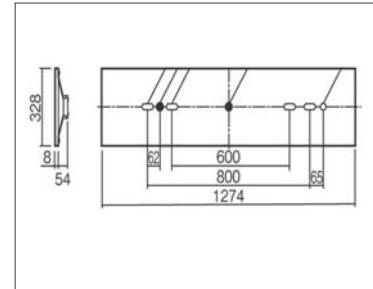
Specification

Life Time	: 40.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 83

Fixture Body : Steel
 Diffuse : Polycarbonate
 Driver : Integrated
 Dimming : PWM Dim



Dimension



Type	Recessed Open W300			
	6900lm	5200lm	4000lm	2500lm
Beam Angle				
Wattage	43.1W	32.5W	25W	16.3W
Dim	Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
6500K 	XLX460VEDZLE9031 6430lm-149.2lm/W	XLX450VEDZLE9031 4850lm-149.2lm/W	XLX440VEDTLE9031 3740lm-149.6lm/W	XLX420VEDZLE9031 2360lm-144.8lm/W
5000K 	XLX460VENZLE9031 6680lm-154.9lm/W	XLX450VENZLE9031 5040lm-155.1lm/W	XLX440VENTLE9031 3880lm-155.2lm/W	XLX420VENZLE9031 2420lm-148.5lm/W
4000K 	XLX460VEWZLE9031 6320lm-146.6lm/W	XLX450VEWZLE9031 4770lm-146.7lm/W	XLX440VEWTLE9031 3670lm-146.8lm/W	XLX420VEWZLE9031 2300lm-141.1lm/W

Type	Recessed Open W300			
	6900lm	5200lm	4000lm	2500lm
Beam Angle				
Wattage	43.1W	32.5W	25W	16W
Dim	Dimmable	Dimmable	Dimmable	Dimmable
6500K 	XLX460VEDZLR9031 6430lm-149.2lm/W	XLX450VEDZLR9031 4850lm-149.2lm/W	XLX440VEDTLA9031 3740lm-149.6lm/W	XLX420VEDZLA9031 2360lm-144.8lm/W
5000K 	XLX460VENZLR9031 6680lm-154.9lm/W	XLX450VENZLR9031 5040lm-155.1lm/W	XLX440VENTLA9031 3880lm-155.2lm/W	XLX420VENZLA9031 2420lm-148.5lm/W
4000K 	XLX460VEWZLR9031 6320lm-146.6lm/W	XLX450VEWZLR9031 4770lm-146.8lm/W	XLX440VEWTLA9031 3670lm-146.8lm/W	XLX420VEWZLA9031 2300lm-141.1lm/W

iD Series Rainproof



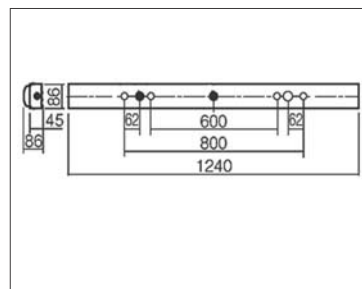
Specification

Life Time	: 40,000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 83

Fixture Body : Steel
Diffuse : Polycarbonate
Driver : Included



Dimension



The operating temperature of rainproof ID Series range has been extended to -10 degrees celcius to 35 degrees celcius (The conventional lower limit 5 degrees celcius). It can also be used in low temperature environments up to 10 degrees celcius (like refrigerated warehouses).

Application



Type	6900lm	4000lm	2000lm
Beam Angle			
Wattage	43.1W	26.7W	13.1W
5000K 	XLW462NENZLE9031 6560lm-152.2lm/W	XLW442NENZLE9031 3830lm-143.5lm/W	XLW412NENZLE9031 1910lm-145.8lm/W

HACCP & Clean Food Series

IP20

SNI

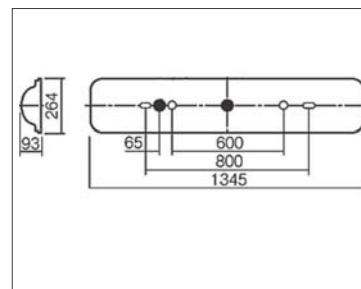
Specification

Life Time	: 40.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 83

Fixture Body : Steel
Diffuse : Polycarbonate
Driver : Integrated



Dimension



Industrial Lighting Fixtures for HACCP Requirement

- Clean design that prevents dust from sticking to the fixture. While also making it easier to wipe
- Designed to prevent dust from entering fixture
- Designed with plastic anti-scattering cover
- Less maintenance
- Built in LED. Built in driver
- Non Dimmable
- Body Steel plate, high reflecting white powder coating
- Cover Acrylic, transparent, antistatic treatment
- Light bar (cover) Polycarbonate, milky white
- When it used with an UV Lamp. Please ensure UV Rays do not hit the acrylic panel. UV Rays may shorten lifetime of panel
- Product with the same model number may have different luminous colors or brightness because LED have some variations.

Industrial Lighting Fixtures for HACCP Requirement

iD series

Suitable for a clean environment required by HACCP such as food factories, schools kitchens.



Type	6900lm	4000lm	2000lm
Beam Angle			
Wattage	43.1W	26.7W	13.1W
5000K 	XLW461ZENZLE9031 6260lm-145.3lm/W	XLW441ZENZLE9031 3650lm-136.7lm/W	XLW411ZENZLE9031 1820lm-138.9lm/W

System Ceiling



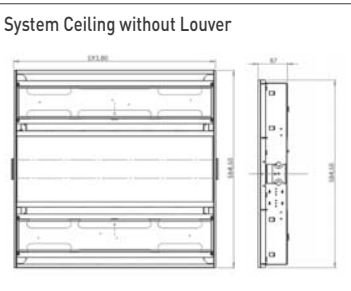
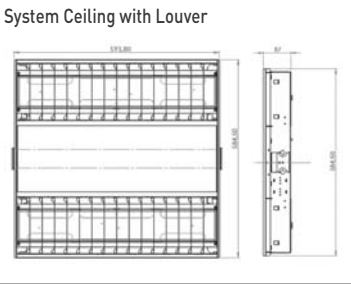
Specification

Life Time	: 40.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 80

Body : White Paint Steel
Cover : Milky



Dimension



Type	With Louver		Without Louver
Dim	Dimmable	Dimmable	Non Dimmable
Feature	-	Emergency	-
Wattage	43W	46W	31.6W
4000K ○	NNPAM85002H 4630lm-107.7lm/W	NNPAM85002HBT 4630lm-100.7lm/W	NNPAM85102A 4080lm-129.1lm/W

LED Extrusion



Specification

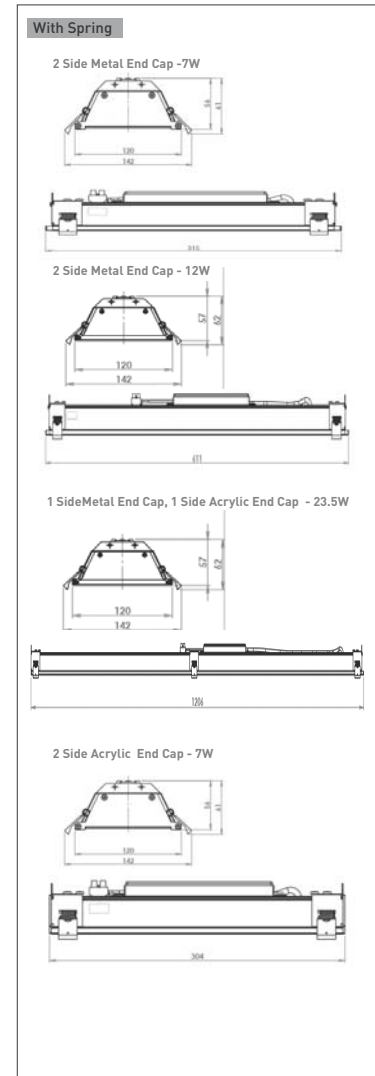
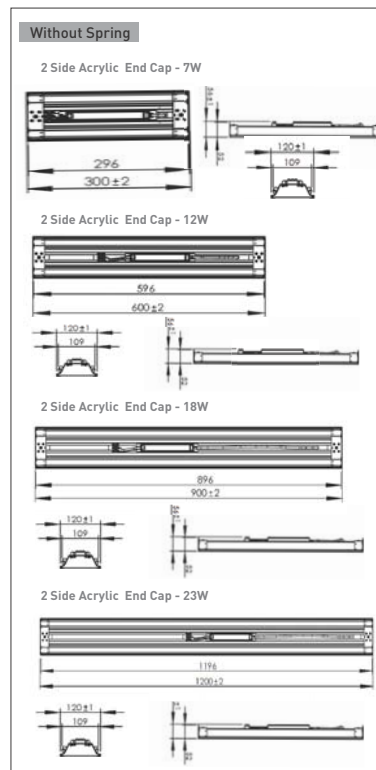
Life Time	: 40.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 80

Body : Anodize

Cover : Milky



Dimension

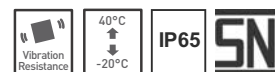


Type	Without Spring			
	2 Side Acrylic End Cap			
Wattage	7W	12W	18W	23.5W
6500K ●	NNCL81550031 500lm-71.4lm/W	NNCL82650031 1000lm-83.3lm/W	NNCL83750031 1500lm-83.3lm/W	NNCL84950031 2000lm-85.1lm/W
Type	With Spring			
	2 Side Metal End Cap	1 Side Metal End Cap, 1 Side Acrylic End Cap	2 Side Acrylic End Cap	7W
Wattage	7W	12W	23.5W	7W
3000K ●	NNCL81536031 450lm-64.3lm/W	NNCL82626031 900lm-75lm/W	NNCL84956031 1800lm-76.6lm/W	NNCL81556031 450lm-64.3lm/W



Industrial Lighting

High Bay Japan



Specification

Life Time	: 60.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 70

Body : ADC
Diffuse : Polycarbonate
Driver : Included

Light source life of 60000 hours

The design releasing the LED heat efficiently ensures brightness from installation to the end of product life time

Vibration resistance: 1.5G

Impact resistance: 30G

Vibration resistance type is recommended for vibrated environment such as factory using a hoist crane

It can be installed for guarder of hoist crane



Moisture, rain and dust proof for various environments such as factories, soffits prone to harsh conditions.

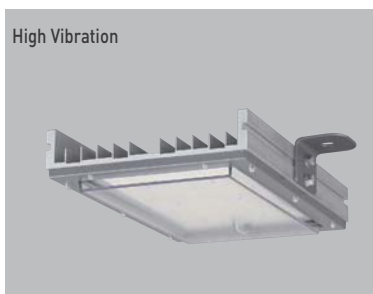
Dustproof and Protection against water jet is available for use under the eaves



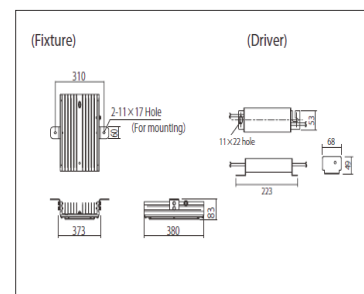
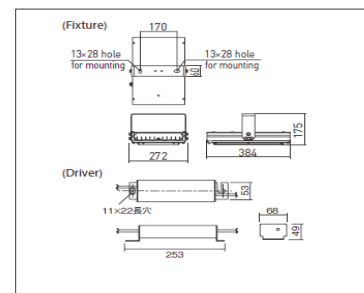
High Temperature



High Vibration



Dimension



Type	High Temperature 		
	30000lm	20000lm	15000lm
Wattage	199W	134W	104W
5000K 	XYM2013LE2031 32000lm-160.8lm/W	XYM2012LE9031 21000lm-156.7lm/W	XYM2011LE9031 16000lm-153.9lm/W

Type	High Vibration 		
	30000lm	20000lm	15000lm
Wattage	199W	134W	104W
5000K 	XYM2023LE2031 32000lm-160.8lm/W	XYM2022LE9031 21000lm-156.7lm/W	XYM2021LE9031 16000lm-153.9lm/W

High Bay UFO



Specification

Life Time	: 50.000hr (L70)
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 80

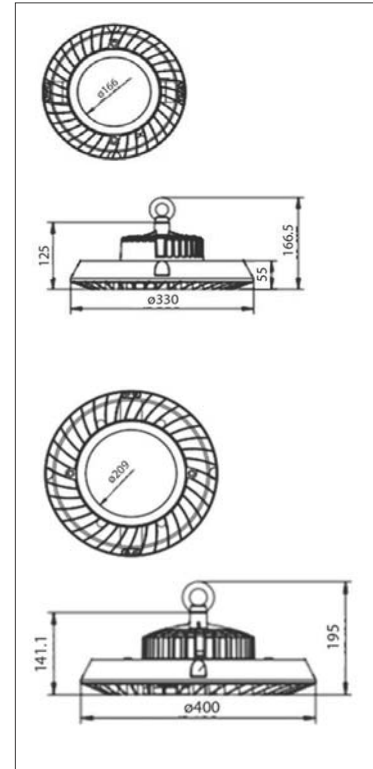
Body : Aluminum Die-Cast Black Finish

Hook : Stainless Steel

Panel : Glass and Polycarbonate



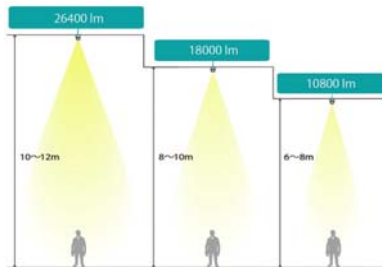
Dimension



Light source life of 50000 hours

The design releasing the LED heat efficiently ensures brightness from installation to the end of product life time

Water proof Highbay light (IP65) for factory, warehouse, and other high ceiling places



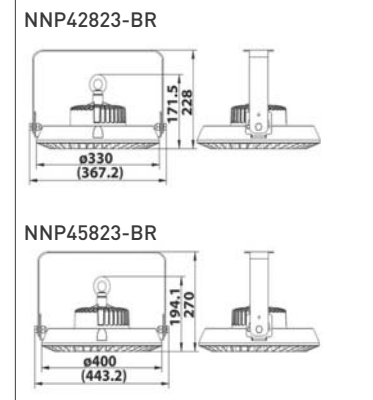
Application



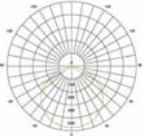
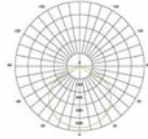
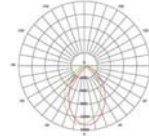
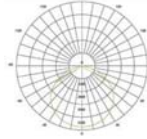
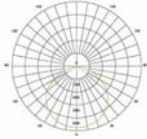
Warehouse, super market, factories, larger stores, gas station, freezer rooms.

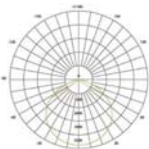
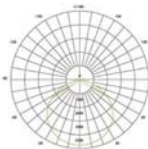
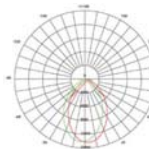
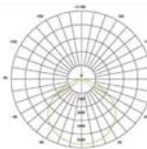


Bracket High Bay :
NNP42823-BR
NNP45823-BR



High Bay UFO

Cut Out	330				
Beam Angle					
Wattage	90W	120W	150W	150W	150W
5700K 	NNP42823031 10800lm-120lm/W	NNP43823031 14400lm-120lm/W	NNP43810031 18000lm-120lm/W	NNP44822031 18000lm-120lm/W	NNP44823031 18000lm-120lm/W
					

Cut Out	400				
Beam Angle					
Wattage	180W	240W	240W	240W	240W
5700K 	NNP45823031 21600lm-120lm/W	NNP47823031 26400lm-110lm/W	NNP45810031 26400lm-120lm/W	NNP47822031 26400lm-120lm/W	NNP47824031 28800lm-120lm/W
					

LED Tri-Proof Batten



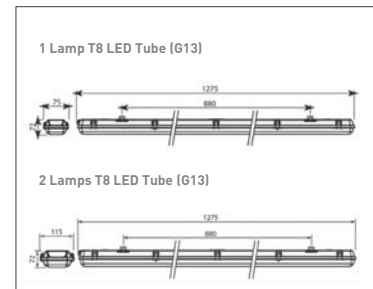
Specification

Life Time	: 40.000hr (L70)
Input Voltage	: AC220-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 80
Ambient temperature	: 0-40C

Body : Injection PBT Grey
Cover : Injection PC Clear



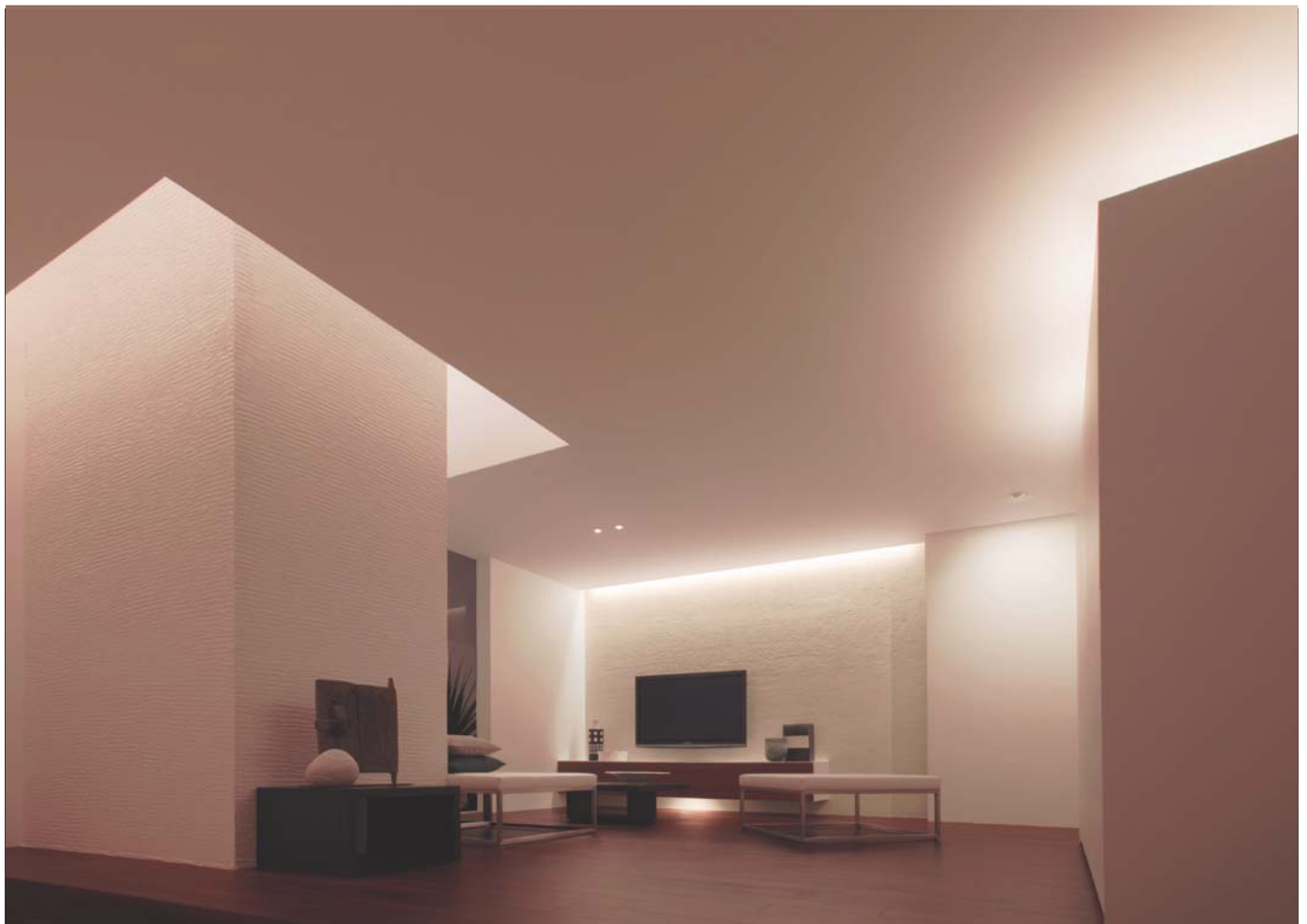
Dimension



Three Proff Batten Combination :

1. Water Proff : Protection against low pressure water from any direction
2. Dush Proff : Protection against contact (dust tight)
3. Rush Proff : Protection against corrosion

Fixture Type	JNP85953		JNP86955	
Type	1 Lamp		2 Lamps	
Wattage	12W	16W	12W	16W
6500K ●	ZNP84941	ZNP84940	ZNP84943	ZNP84942
4000K ○	ZNP84921	ZNP84920	ZNP84923	ZNP84922



Cove & Contour Lighting

LED Strip Light

Specification

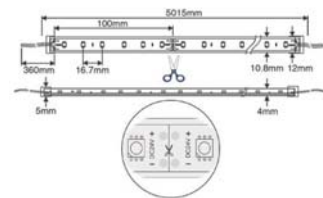
Life Time	: 50.000hr (L70)
Input Voltage	: DC24V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 80
Length	: 5000mm

Tube : Silicon
End Cap : Silicon

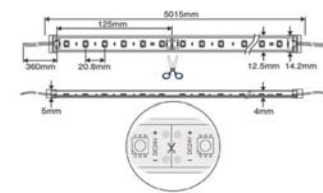


Dimension

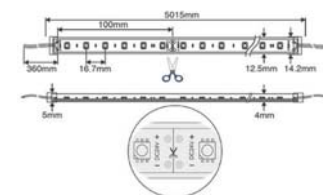
LED Strip 400lm/m



LED Strip 950lm/m

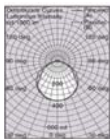
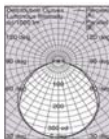
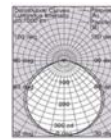


LED Strip 1200lm/m



Application



Type	400lm /m	950lm /m	1200lm /m
4000K ○	NNP91020 2000lm/5m-83.3lm/W	NNP92020 4750lm/5m-82.6lm/W	NNP93020 6000lm/5m-83.3lm/W
3000K ●	NNP91010 2000lm/5m-83.3lm/W	NNP92010 4750lm/5m-82.6lm/W	NNP93010 6000lm/5m-83.3lm/W
2700K ●	NNP91010S1 2000lm/5m-83.3lm/W	NNP92010S1 4750lm/5m-82.6lm/W	NNP93010S1 6000lm/5m-83.3lm/W
			

Strip Light Driver



Specification

Input Voltage : AC100-242V
Output Voltage : DC24V
Frequency : 50/60Hz

Phase Cut Dimming

IP20

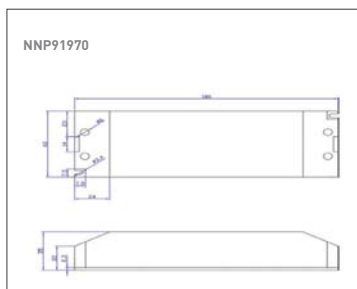


IP66

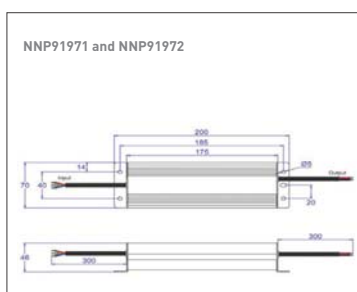


Dimension

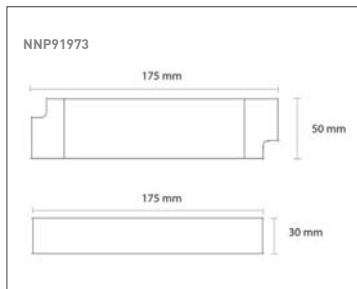
NNP91970



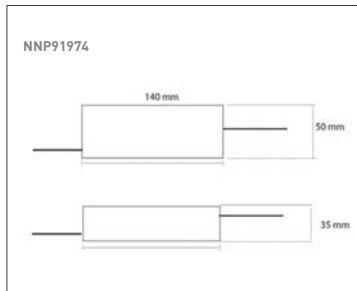
NNP91971 and NNP91972



NNP91973



NNP91974



Dim	Dimmable	Non Dimmable	
Wattage	30W	40W	100W
IP20	NNP91970	NNP91973	NNP91974

Dim	Dimmable	
Wattage	60W	80W
IP66	NNP91971	NNP91972

LED Batten Slim



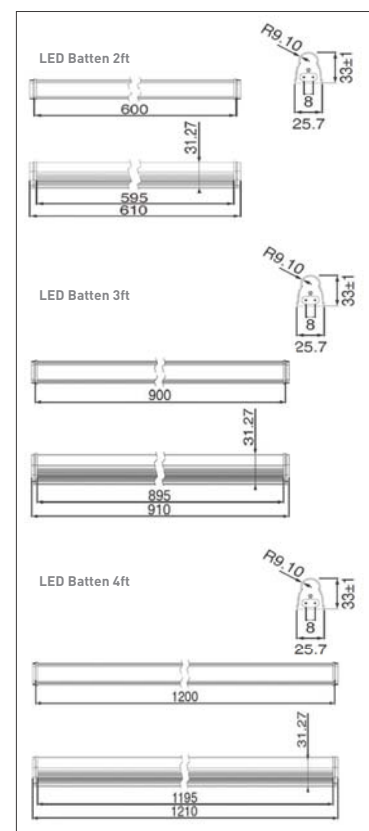
Specification

Life Time	: 40.000hr (L70)
Input Voltage	: AC220-242V
Frequency	: 50/60Hz
Power Factor	: 0.90
CRI	: 80

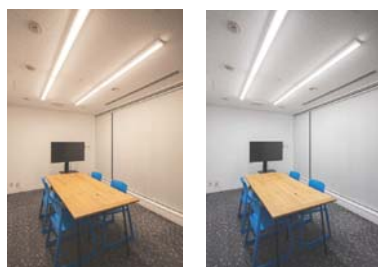
Body : Aluminum
 Cover : Polycarbonate (Milky White)
 Incl. Accessories : Metal clamp, bracket, power cable, end cover, joint connector



Dimension



Application



Type	2ft	3ft		4ft	
Wattage	9W	12W	15W	18W	23W
6500K ●	NNP82950 900lm-100lm/W	NNP83950 1200lm-100lm/W	NNP83951 1700lm-113lm/W	NNP84950 1800lm-100lm/W	NNP85951 2600lm-113lm/W
3000K ●	NNP82910 810lm-90lm/W	NNP83910 1080lm-90lm/W	NNP83911 1530lm-102lm/W	NNP84910 1620lm-90lm/W	NNP85911 2340lm-102lm/W



Street Lighting

Street Light Evo

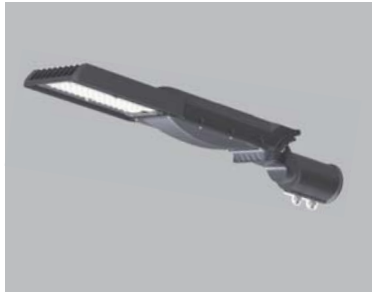


Specification

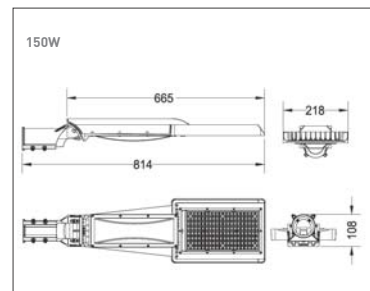
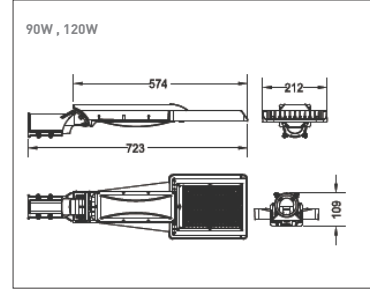
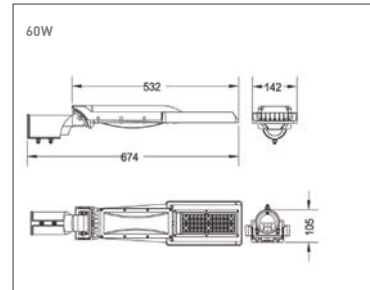
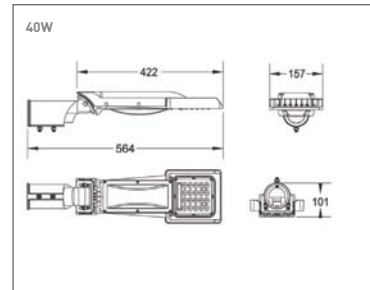
Life Time	: 50.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
CRI	: 70

Fixture Body : ADC
Diffuse : Polycarbonate
Driver : Included

Application



Dimension



Wattage	40W	60W	90W	120W	150W
5000K ●	NNP11740 5200lm-130lm/W	NNP11742 7800lm-130lm/W	NNP11743 11700lm-130lm/W	NNP12744 15600lm-130lm/W	NNP14745 19500lm-130lm/W

Street Light s3

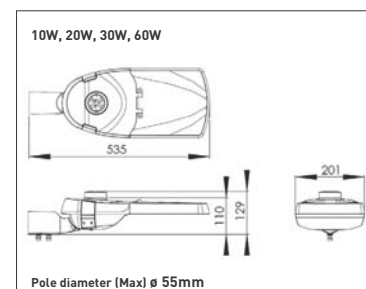


Specification

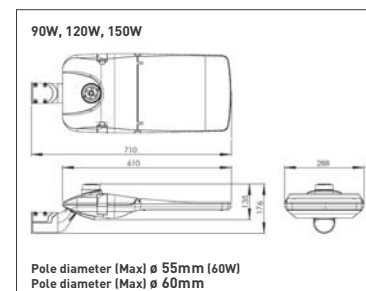
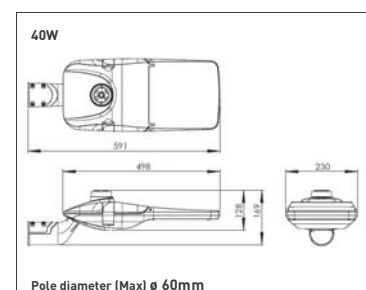
Life Time	: 50.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
CRI	: 70

Fixture Body : ADC
Diffuse : Polycarbonate
Driver : Included

Dimension



Application



Wattage		10W	20W	30W	40W
5000K	Auto Dimming	NNP10940 1400lm-140lm/W	NNP10941 2800lm-140lm/W	NNP10942 4200lm-140lm/W	NNP10950 6000lm-150lm/W
	Ready for Smart	NNP109407P 1400lm-140lm/W	NNP109417P 2800lm-140lm/W	NNP109427P 4200lm-140lm/W	NNP109507P 6000lm-150lm/W

Wattage		60W	90W	120W	150W
5000K	Auto Dimming	NNP11940 8400lm-140lm/W	NNP11941 12600lm-140lm/W	NNP13950 18000lm-150lm/W	NNP14950 22500lm-150lm/W
	Ready for Smart	NNP119407P 8400lm-140lm/W	NNP119417P 12600lm-140lm/W	NNP139507P 18000lm-150lm/W	NNP149507P 22500lm-150lm/W

Street Light NEO

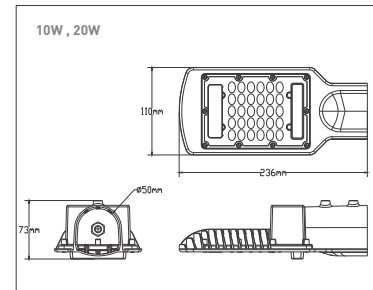


Specification

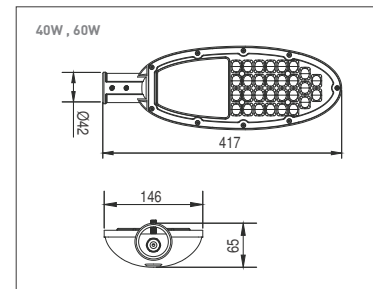
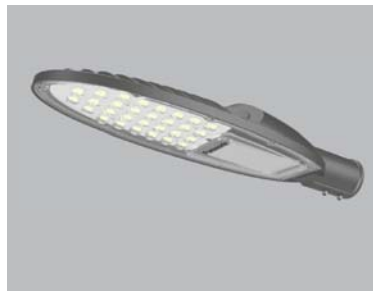
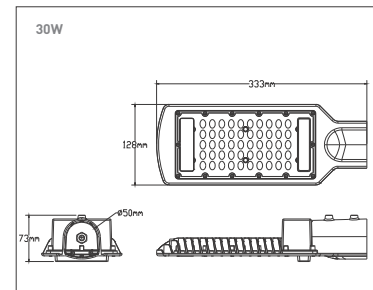
Life Time	: 35.000hr (10-30W) : 50.000hr (40W,60W)
Input Voltage	: AC100-240V
Frequency	: 50/60Hz
CRI	: 80
Fixture Body	: ADC
Diffuse	: Polycarbonate
Driver	: Included



Dimension



Application



Wattage	10W	20W	30W	40W	60W
5000K ●	NNP10943 1200lm-120lm/W	NNP10944 2400lm-120lm/W	NNP10945 3600lm-120lm/W	NNP10733 5000lm-125lm/W	NNP10734 7500lm-125lm/W



Flood Light

Flood Light



Specification

Life Time	: 50.000hr (L70)
Input Voltage	: AC100-240V
Power Factor	: 0.90
Frequency	: 50/60Hz
CRI	: 70

Dimension



Wattage	60W	120W	180W	240W
Beam Angle				
5000K ● Dimmable	NNP31930K 7200lm-120lm/W	NNP33932K 14400lm-120lm/W	NNP34935K 21600lm-120lm/W	NNP35939K 28800lm-120lm/W

Flood Light High Lumen Anti Chlorine



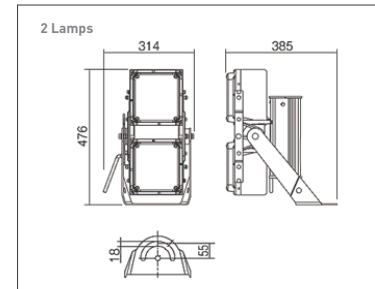
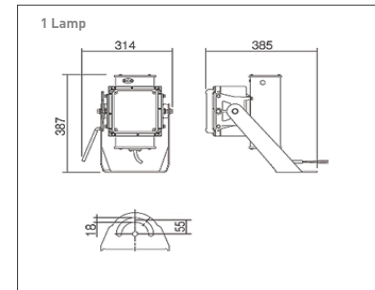
Specification

Life Time	: 40.000hr
Input Voltage	: AC100-242V
Frequency	: 50/60Hz
CRI	: 70

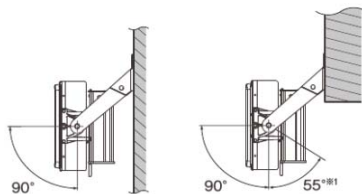
Fixture Body : Steel
Diffuse : Polycarbonate
Driver : Integrated



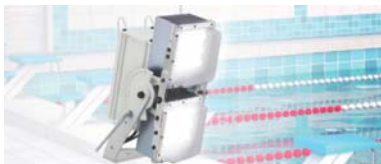
Dimension



- High lumen Flood Light is equivalent to 250-1000 multi halogen lamp.
- This High Lumen Flood Light type anti chlorine can be used for small to large pools.
- Equipped with an initial lighting correction function and a dimming function that can be adjusted to the brightness needed in combination with a compatible dimmer. (About 10 to 85%), already use IP65



Application



Type	1 Lamp			2 Lamps		
Beam Angle						
Wattage	154W	154W	154W	320W	320W	320W
5000K 	NONY24735LA9031 2040lm-99lm/W	NONY24736LA9031 1645lm-109lm/W	NONY24737LA9031 925lm-92lm/W	NONY24740LA2031 2005lm-97lm/W	NONY24741LA2031 1490lm-99lm/W	NONY24742LA2031 1000lm-100lm/W

Flood Light High Lumen Stadium Light

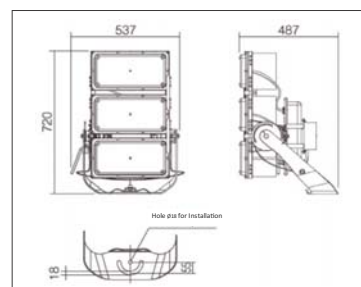
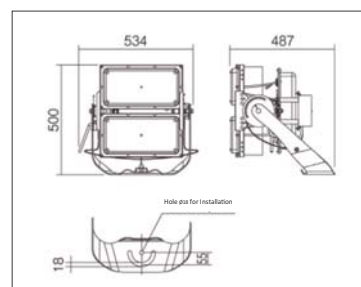
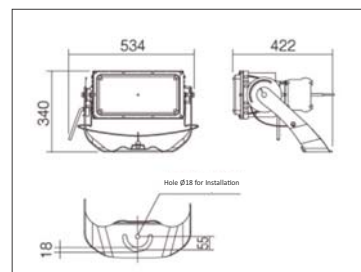


Specification

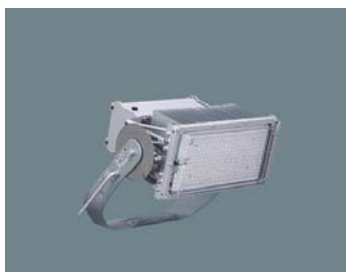
Life Time	: 40.000hr
Input Voltage	: AC200-242V
Frequency	: 50/60Hz
CRI	: 70

Fixture Body : ADC
 Diffuse : Polycarbonate
 Driver : Included
 Arm : Steel (Hot-dip Galvanize)
 Handle : Stainless Steel
 Anti Glare by using inner louver
 assy metric beam angle

Dimension



Application



Type	Narrow [26°]	Middle N [40°]	Middle M [52°]	Wide [73°]
5000K ●	NYS12817LD2031 106400lm-749W-142.0lm/W	NYS12827LD2031 117300lm-813W-144.2lm/W	NYS12837LD2031 120000lm-803W-149.4lm/W	NYS12847LD2031 122300lm-793W-154.2lm/W
	NYS12717LD2031 101000lm-707W-142.8lm/W	NYS12727LD2031 106000lm-710W-149.2lm/W	NYS12737LD2031 106700lm-706W-151.1lm/W	NYS12747LD2031 103400lm-661W-156.4lm/W
	NYS12517LD2031 63200lm-442W-142.9lm/W	NYS12527LD2031 68900lm-462W-149.1lm/W	NYS12537LD2031 68000lm-432W-157.4lm/W	NYS12547LD2031 65500lm-410W-159.8lm/W
	NYS12317LD2031 35800lm-251W-142.6lm/W	-	NYS12337LD2031 40400lm-267W-151.3lm/W	NYS12347LD2031 41000lm-264W-155.3lm/W



Decorative Lighting

RGB Light Flood Type



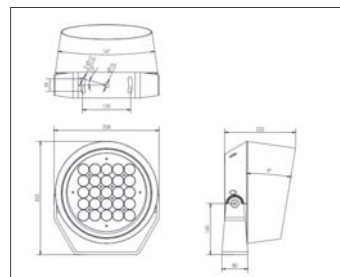
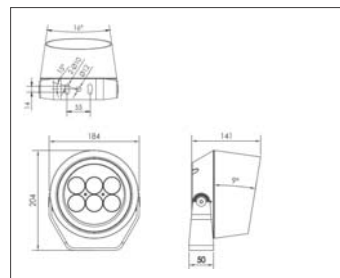
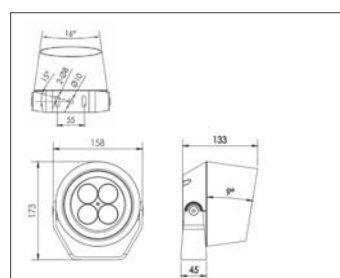
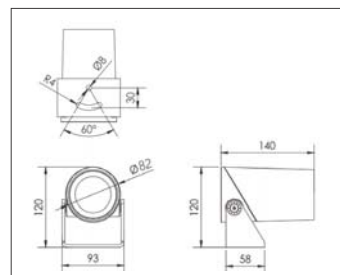
Specification

Life Time	: 50.000hr (L70)
Frequency	: 50/60Hz
Body : Aluminum Die-Cast	

Application



Dimension



Wattage	10W	20W	30W
Beam Angle			
Vin	AC100-240V	AC100-240V	AC100-240V
System	ON-OFF	ON-OFF	ON-OFF
4000K ○	NNP30650GL	NNP31650GL	NNP32650GL

Wattage	8W	20W	30W	200W
Beam Angle				
Vin	DC24V	DC24V	AC100-240V	AC100-240V
Controller	DMX512 (Digital Multiplex)	DMX512 (Digital Multiplex)	DMX512 (Digital Multiplex)	DMX512 (Digital Multiplex)
RGBW 	NNP30850GL	NNP31850GL	NNP32850GL	NNP35850GL

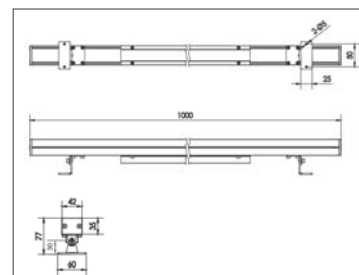
RGB Light Wall Washer Type



Specification

Life Time	: 50.000hr (L70)
Input Voltage	: DC24V
Frequency	: 50/60Hz
Body : Aluminum Alloy Molding	

Dimension



Application



Wattage	18W	24W	36W	36W
Beam Angle				
System	ON-OFF	ON-OFF	ON-OFF	-
Controller	-	-	-	DMX512 [Digital Multiplex]
4000K ○	NNP90300GL	NNP91300GL	NNP92300GL	-
RGBW 	-	-	-	NNP92400GL

RGB Light Outline Type

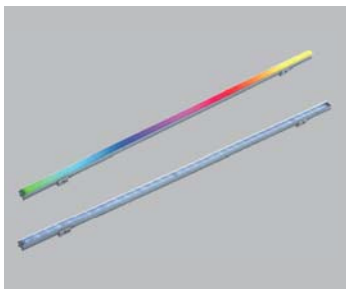
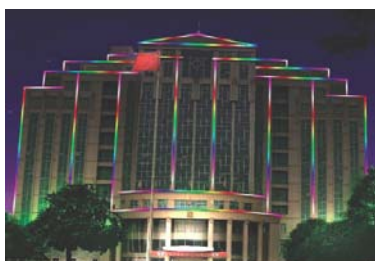


Specification

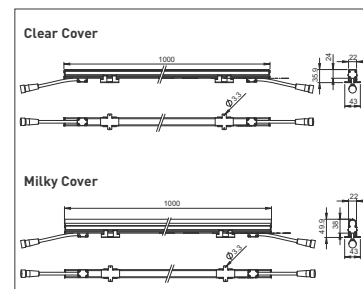
Life Time : 50.000hr (L70)
 Input Voltage : DC24V
 Frequency : 50/60Hz

Body : Aluminum Alloy Molding

Application



Dimension



Wattage	10W	10W	10W	10W
Beam Angle				
System	ON-OFF	-	ON-OFF	-
Controller	-	DMX512 (Digital Mutiplex)	-	DMX512 (Digital Mutiplex)
4000K ○	NNP90100GL	-	NNP91100GL	-
RGB 	-	NNP90200GL	-	NNP91200GL
	Clear Cover	Clear Cover	Milky Cover	Milky Cover

Product Number Index

Item No.		Item No.		Item No.	
JNP		NNP119417P	70	NNP71247	24
JNP85953	63	NNP12744	69	NNP71330	24
JNP86955	63	NNP13950	70	NNP71331	24
NDW		NNP139507P	70	NNP71332	24
NDW16610LE9031	35	NNP14745	69	NNP71333	24
NDW16611LE9031	35	NNP14950	70	NNP71335	24
NDW16612LE9031	35	NNP149507P	70	NNP71336	24
NDW16613LE9031	35	NNP22912031	33	NNP72234	21
NDW17610LE9031	35	NNP22922031	33	NNP72235	21
NDW17611LE9031	35	NNP22932031	33	NNP72236	21
NDW17612LE9031	35	NNP22942031	33	NNP72237	21
NDW17613LE9031	35	NNP23290K031	34	NNP72238	21
NDW26610LE9031	35	NNP23291K031	34	NNP72239	21
NDW26611LE9031	35	NNP23292K031	34	NNP72240	21
NDW26612LE9031	35	NNP23293K031	34	NNP72241	27
NDW26613LE9031	35	NNP23294K031	34	NNP72242	27
NCL		NNP24912031	33	NNP72243	24
NNCL81536031	58	NNP24922031	33	NNP72244	27
NNCL81550031	58	NNP24932031	33	NNP72245	21
NNCL81556031	58	NNP24942031	33	NNP72246	27
NNCL82650031	58	NNP30650GL	77	NNP72253	24
NNCL82626031	58	NNP30850GL	77	NNP72266	25
NNCL83750031	58	NNP31650GL	77	NNP72267	25
NNCL84950031	58	NNP31930K	73	NNP72268	25
NNCL84956031	58	NNP31850GL	77	NNP72270	25
NNP		NNP32650GL	77	NNP72280	24
NNPAM85002H	57	NNP32850GL	77	NNP72281	24
NNPAM85002HBT	57	NNP33932K	73	NNP72285	24
NNPAM85102A	57	NNP34935K	73	NNP72286	24
NNP10733	71	NNP35939K	73	NNP72343	24
NNP10734	71	NNP35850GL	77	NNP72353	24
NNP10940	70	NNP42823031	62	NNP72373	26
NNP109407P	70	NNP42823BR	61	NNP72374	26
NNP10941	70	NNP43810031	62	NNP72375	26
NNP109417P	70	NNP43823031	62	NNP72380	24
NNP10942	70	NNP44822031	62	NNP72381	24
NNP109427P	70	NNP44823031	62	NNP72385	24
NNP10943	71	NNP45810031	62	NNP72386	24
NNP10944	71	NNP45823031	62	NNP72430	21
NNP10945	71	NNP45823BR	61	NNP72431	21
NNP10950	70	NNP47822031	62	NNP72432	21
NNP109507P	70	NNP47823031	62	NNP72434	21
NNP11740	69	NNP47824031	62	NNP72435	21
NNP11742	69	NNP71211	25	NNP72436	21
NNP11743	69	NNP71212	25	NNP72437	21
NNP11940	70	NNP71213	25	NNP72438	27
NNP119407P	70	NNP71214	25	NNP72439	27
NNP11941	70	NNP71230	24	NNP72440	27
		NNP71235	24	NNP72441	27
		NNP71244	24	NNP72442	21
		NNP71245	24	NNP72443	24
		NNP71246	24	NNP72453	24

Product Number Index

Product Number Index

Product Number Index

Item No.	
NNP72473	26
NNP72474	26
NNP72475	24
NNP72480	24
NNP72481	24
NNP72485	24
NNP72486	24
NNP73183031	36
NNP73184031	36
NNP73185031	36
NNP73186031	36
NNP73187031	36
NNP73226	22
NNP73227	22
NNP73228	22
NNP73229	22
NNP73230	22
NNP73231	22
NNP73232	22
NNP73234	27
NNP73235	27
NNP73236	27
NNP73237	27
NNP73238	22
NNP73290K031	34
NNP73291K031	34
NNP73292K031	34
NNP73293K031	34
NNP73294K031	34
NNP73295K031	34
NNP73296K031	34
NNP73297K031	34
NNP73298K031	34
NNP73373	26
NNP73374	26
NNP73375	26
NNP73425	22
NNP73426	22
NNP73427	22
NNP73428	22
NNP73429	22
NNP73434	27
NNP73438	22
NNP73439	22
NNP73440	27
NNP73441	27
NNP73442	22
NNP73443	27
NNP73466	25
NNP73467	25
NNP73468	25
NNP73470	25

Item No.	
NNP73473	26
NNP73474	26
NNP73475	26
NNP74225	22
NNP74226	22
NNP74227	22
NNP74228	22
NNP74229	22
NNP74230	22
NNP74231	22
NNP74232	22
NNP74233	27
NNP74234	27
NNP74235	27
NNP74236	27
NNP74426	22
NNP74427	22
NNP74428	22
NNP74429	22
NNP74430	22
NNP74431	22
NNP74432	22
NNP74433	22
NNP74434	27
NNP74435	27
NNP74436	27
NNP74437	27
NNP74542	25
NNP74543	25
NNP74544	25
NNP74545	25
NNP82910	67
NNP82950	67
NNP83910	67
NNP83911	67
NNP83950	67
NNP83951	67
NNP84910	67
NNP84950	67
NNP85911	67
NNP85951	67
NNP86120	42
NNP86130	42
NNP86140	42
NNP86150	42
NNP86720	41
NNP86730	41
NNP86740	41
NNP86750	41
NNP90100GL	79
NNP90200GL	79
NNP90300GL	78

Item No.	
NNP91010	65
NNP91010S1	65
NNP91020	65
NNP91100GL	79
NNP91200GL	79
NNP91300GL	78
NNP91970	66
NNP91971	66
NNP91972	66
NNP91973	66
NNP91974	66
NNP92010	65
NNP92010S1	65
NNP92020	65
NNP92300GL	78
NNP92400GL	78
NNP93010	65
NNP93010S1	65
NNP93020	65
NONY	
NONY24735LA9031	74
NONY24736LA9031	74
NONY24737LA9031	74
NONY24740LA2031	74
NONY24741LA2031	74
NONY24742LA2031	74
NYS	
NYS12317LD2031	75
NYS12337LD2031	75
NYS12347LD2031	75
NYS12517LD2031	75
NYS12527LD2031	75
NYS12537LD2031	75
NYS12547LD2031	75
NYS12717LD2031	75
NYS12727LD2031	75
NYS12737LD2031	75
NYS12747LD2031	75
NYS12817LD2031	75
NYS12827LD2031	75
NYS12837LD2031	75
NYS12847LD2031	75
XLW	
XLW411ZENZLE9031	56
XLW412NENZLE9031	55
XLW441ZENZLE9031	56
XLW442NENZLE9031	55
XLW461ZENZLE9031	56
XLW462NENZLE9031	55

Product Number Index

Item No.		Item No.		Item No.	
XLX		XLX426EEWZLE9031	51	XLX450VENZLE9031	54
XLX210AEDLE9031	45	XLX440AEDTLE9031	48	XLX450VENZLR9031	54
XLX210AENLE9031	45	XLX440AENTLE9031	48	XLX450VEWZLE9031	54
XLX210AEWLE9031	45	XLX440AEWTLE9031	48	XLX450VEWZLR9031	54
XLX210NEDLE9031	45	XLX440KEDTLE9031	50	XLX455FEDZLE9031	52
XLX210NENLE9031	45	XLX440KENTLE9031	50	XLX455FEDZLR9031	52
XLX210NEWLE9031	45	XLX440KEWTLE9031	50	XLX455FENZLE9031	52
XLX210NEWLE9031	45	XLX440NEDTLE9031	47	XLX455FENZLR9031	52
XLX210PEDLA9031	46	XLX440NENTLE9031	47	XLX455FEWZLE9031	52
XLX210PEDLE9031	46	XLX440NEWTLE9031	47	XLX455FEWZLR9031	52
XLX210PENLA9031	46	XLX440PEDTLA9031	53	XLX456EEDZLE9031	51
XLX210PENLE9031	46	XLX440PEDTLE9031	53	XLX456EEDZLR9031	51
XLX210PEWLA9031	46	XLX440PENTLA9031	53	XLX456EENZLE9031	51
XLX210PEWLE9031	46	XLX440PENTLE9031	53	XLX456EENZLR9031	51
XLX210VEDLA9031	46	XLX440PEWTLA9031	53	XLX456EEWZLE9031	51
XLX210VEDLE9031	46	XLX440PEWTLE9031	53	XLX456EEWZLR9031	51
XLX210VENLA9031	46	XLX440VEDTLA9031	54	XLX460AEDZLE9031	48
XLX210VENLE9031	46	XLX440VEDTLE9031	54	XLX460AENZLE9031	48
XLX210VEWLA9031	46	XLX440VENTLA9031	54	XLX460AEWZLE9031	48
XLX210VEWLE9031	46	XLX440VENTLE9031	54	XLX460BSWZLE9031	49
XLX420AEDZLE9031	48	XLX440VEWTLA9031	54	XLX460KEDZLE9031	50
XLX420AENZLE9031	48	XLX440VEWTLE9031	54	XLX460KENZLE9031	50
XLX420AEWZLE9031	48	XLX445FEDTLA9031	52	XLX460KEWZLE9031	50
XLX420KEDZLE9031	50	XLX445FEDTLE9031	52	XLX460NEDZLE9031	47
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XLX420KEWZLE9031	50	XLX445FENTLE9031	52	XLX460NEWZLE9031	47
XLX420NEDZLE9031	47	XLX445FEWTLA9031	52	XLX460PEDZLE9031	53
XLX420NENZLE9031	47	XLX445FEWTLE9031	52	XLX460PEDZLR9031	53
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XLX420PEDZLA9031	53	XLX446EEDTLE9031	51	XLX460PENZLR9031	53
XLX420PEDZLE9031	53	XLX446EENTLA9031	51	XLX460PEWZLE9031	53
XLX420PENZLA9031	53	XLX446EENTLE9031	51	XLX460PEWZLR9031	53
XLX420PENZLE9031	53	XLX446EEWTLA9031	51	XLX460VEDZLE9031	54
XLX420PEWZLA9031	53	XLX446EEWTLE9031	51	XLX460VEDZLR9031	54
XLX420PEWZLE9031	53	XLX450AEDZLE9031	48	XLX460VENZLE9031	54
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XLX420VEDZLE9031	54	XLX450AEWZLE9031	48	XLX460VEWZLE9031	54
XLX420VENZLA9031	54	XLX450BSWZLE9031	49	XLX460VEWZLR9031	54
XLX420VENZLE9031	54	XLX450KEDZLE9031	50	XLX465FEDZLE9031	52
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XLX420VEWZLE9031	54	XLX450KEWZLE9031	50	XLX465FENZLE9031	52
XLX425FEDZLA9031	52	XLX450NEDZLE9031	47	XLX465FENZLR9031	52
XLX425FEDZLE9031	52	XLX450NENZLE9031	47	XLX465FEWZLE9031	52
XLX425FENZLA9031	52	XLX450NEWZLE9031	47	XLX465FEWZLR9031	52
XLX425FENZLE9031	52	XLX450PEDZLE9031	53	XLX466EEDZLE9031	51
XLX425FEWZLA9031	52	XLX450PEDZLR9031	53	XLX466EEDZLR9031	51
XLX425FEWZLE9031	52	XLX450PENZLE9031	53	XLX466EENZLE9031	51
XLX426EEDZLA9031	51	XLX450PENZLR9031	53	XLX466EENZLR9031	51
XLX426EEDZLE9031	51	XLX450PEWZLE9031	53	XLX466EEWZLE9031	51
XLX426EENZLA9031	51	XLX450PEWZLR9031	53	XLX466EEWZLR9031	51
XLX426EENZLE9031	51	XLX450VEDZLE9031	54		
XLX426EEWZLA9031	51	XLX450VEDZLR9031	54		
				XND	

Product Number Index

Product Number Index

Product Number Index

Item No.		Item No.		Item No.	
XND3560SLLZ9031	30	XNTS51413DLZ9031	32		
XND3560SNLZ9031	30	XNTS51413TLZ9031	32		
XND3560SVLZ9031	30	XNTS51431DLZ9031	32		
XND3560SWLZ9031	30	XNTS51431TLZ9031	32		
XND3580SLLZ9031	30	XNTS51432DLZ9031	32		
XND3580SNLZ9031	30	XNTS51432TLZ9031	32		
XND3580SVLZ9031	30	XNTS51433DLZ9031	32		
XND3580SWLZ9031	30	XNTS51433TLZ9031	32		
XND5560SLLZ9031	30	XNTS52461DLZ9031	32		
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XND5560SVLZ9031	30	XNTS52462DLZ9031	32		
XND5560SWLZ9031	30	XNTS52462TLZ9031	32		
XND5580SLLZ9031	30	XNTS52463DLZ9031	32		
XND5580SNLZ9031	30	XNTS52463TLZ9031	32		
XND5580SVLZ9031	30	XNTS52481DLZ9031	32		
XND5580SWLZ9031	30	XNTS52481TLZ9031	32		
XND7560SLLZ9031	30	XNTS52482DLZ9031	32		
XND7560SNLZ9031	30	XNTS52482TLZ9031	32		
XND7560SVLZ9031	30	XNTS52483DLZ9031	32		
XND7560SWLZ9031	30	XNTS52483TLZ9031	32		
XND7580SLLZ9031	30				
XND7580SNLZ9031	30	XYM			
XND7580SVLZ9031	30	XYM2011LE9031	60		
XND7580SWLZ9031	30	XYM2012LE9031	60		
		XYM2013LE2031	60		
XNP		XYM2021LE9031	60		
XNP84920	38	XYM2022LE9031	60		
XNP84921	38	XYM2023LE2031	60		
XNP84922	38				
XNP84923	38	ZNP			
XNP84924	40	ZNP84920	63		
XNP84925	40	ZNP84921	63		
XNP84926	39	ZNP84922	63		
XNP84927	39	ZNP84923	63		
XNP84928	40	ZNP84940	63		
XNP84929	40	ZNP84941	63		
XNP84940	38	ZNP84942	63		
XNP84941	38	ZNP84943	63		
XNP84942	38				
XNP84943	38				
XNP84944	39				
XNP84945	39				
XNP84946	39				
XNP84947	39				
XNP84948	40				
XNP84949	40				
XNTS					
XNTS51411DLZ9031	32				
XNTS51411TLZ9031	32				
XNTS51412DLZ9031	32				
XNTS51412TLZ9031	32				

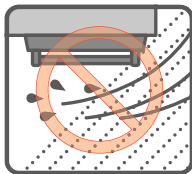
Precautions on Using LED Base Lighting

⚠ Safety Warnings

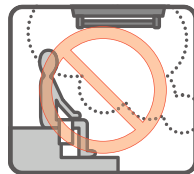
- Lighting fixtures have a limited service life. Even if there are no changes to the appearance, after 10 years has passed from installation, the interior parts are deteriorating. Please inspect and replace your lighting fixtures.
- Before using, read the "Instruction Manual" carefully, or use the lighting fixtures carefully following consultation with the retailer or a construction specialist.
- Some products come with a warning seal affixed for how to use the product safely. Please use the product correctly after checking this seal.
- Please use Panasonic LED lamps for the straight tube LED lamp mounted base light.

* Please follow the guidelines below concerning prohibited installation locations and construction details. Improper use may result in the fixtures falling, electric shock, or fire. There are also individual warnings for the lighting fixtures, so please check these with the approval diagram or the like.

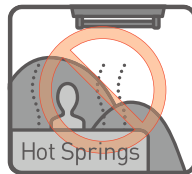
Prohibited Installation Areas for LED Indoor Use Fixtures



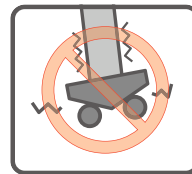
» Locations where rain falls. Locations below the rainfall depth line or where rain may fall.



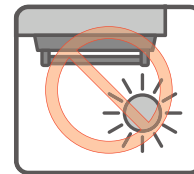
» In commercial baths, saunas, or any locations that constantly have high temperature and high humidity (35°C or higher, 85% humidity or higher).



» Locations where corrosive gases are generated, such as hot springs.



» Locations that are subject to vibration or frequent shocks.



» Locations where sunlight directly strikes the fixtures.

» These are indoor-only fixtures.

» If there are instructions regarding the direction of mounting, please be certain to mount the lighting in the direction instructed.

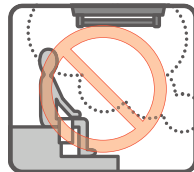
Warnings During Construction of LED Indoor Lighting

» Depending on the number of LEDs installed or the fixture configuration, some LED fixtures may experience more current leakage than conventional fluorescent light fixtures. Fixtures such as these have a limit for number of sets installed written in the approval diagram, so please check this in advance.

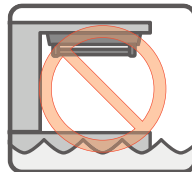
Prohibited Installation Areas for LED Water-proof Fixtures



» Roofs of buildings with no windbreaks, mountain ridges, bridges, and other very windy places.



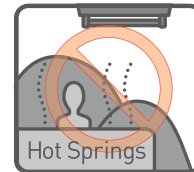
» In commercial baths, saunas, or anywhere that constantly has high temperature and high humidity (35°C or higher, 85% humidity or higher).



» Locations that suffer salt damage from ocean breezes, such as coastal areas.



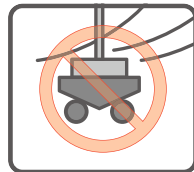
» Locations exposed to chlorine gas, such as swimming pools.



» Locations where corrosive gases are generated, such as hot springs.



» Locations that are subject to vibration or frequent shocks.



» Locations subject to wind and rain from behind, due to channel mounting or similar. (Fuji type, wall lights, ceiling lights, brackets, etc.)

» If there are instructions regarding the direction of mounting, please be certain to mount the lighting in the direction instructed.

Please contact...

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