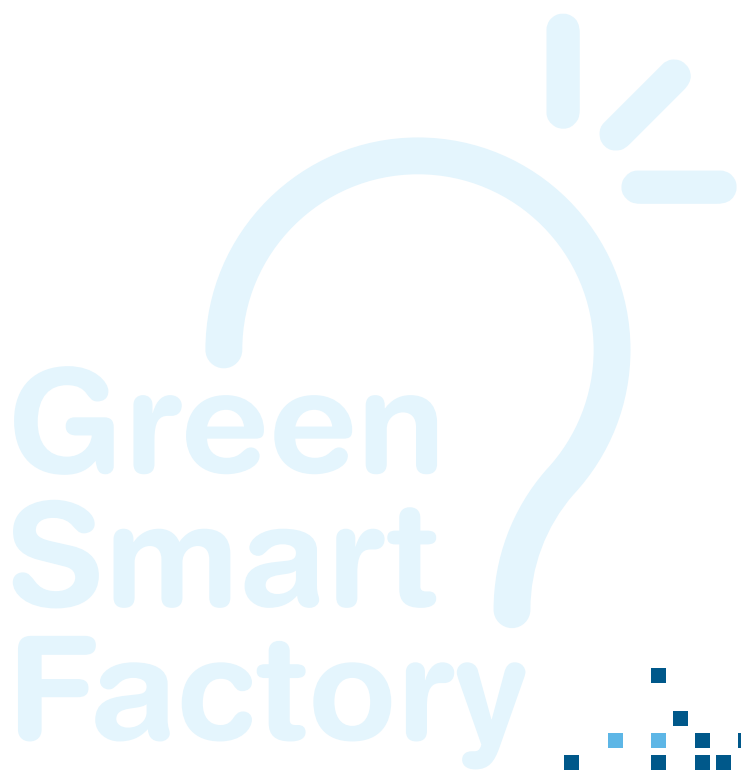


The light's on for you

POSCO LED



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- 04 About POSCO LED

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- 16 LED Bulb
- 18 LED Tube
- 20 LED Troffer
- 22 LED Down Light
- 24 LED Linear Light

■ **Design Awards**

EXPERIENCE A WHOLE NEW LIGHT, LED



Sustainability

Energy Efficiency LED Lighting reduces electricity costs with high energy efficiency. Its long life extends your maintenance cycles and allows you to save maintenance costs. It saves electricity bills up to 85% compared to conventional incandescent lamps.

Environmental Friendliness Environmental Friendly LED lighting contains no hazardous substances such as mercury and does not emit hazardous wavelengths such as infrared (IR) and ultraviolet(UV) rays. Furthermore, it reduces CO₂ emissions by up to 85% compared to conventional incandescent lamps, further aids global warming prevention.



Intelligence

Synthesis of IT and LED Lighting -Smart LED Lighting Management System

Through the use of the Smart LED Lighting System (Lighting Management System), the brightness, color, color temperature, lighting time, lighting sequence for LED lighting can all be controlled in accordance with the environment and its purpose of use. For a more convenient and enriched life, Smart LED Lighting System can be integrated into the home network, Intelligent Building System (IBS) and Energy Management System (EMS).



Why LED?

LED lighting technology, leading lowcarbon green growth, enables a sustainable and refined life by enhancing the living and working environments.

Creativity

Unlimited Color Possibilities LED lighting can produce a variety of dynamic and natural colors through color mixing and brightness adjustments.

Endless Design Possibilities The small and lightweight characteristics of LED lighting allow endless possibilities to create unique and various designs.

Annual benefits when replacing 30% of the conventional lights with LED Lights (in Korea)

USD 1.4 billion electricity cost savings in electricity

6.8 million tons of CO₂ emission reduction equivalent to:



1.7 million vehicles

being permanently eliminated

(based on mid size cars emitting 4 tons of CO₂ annually)



340 million trees

being planted

(based on trees absorbing 20kg of CO₂ annually)



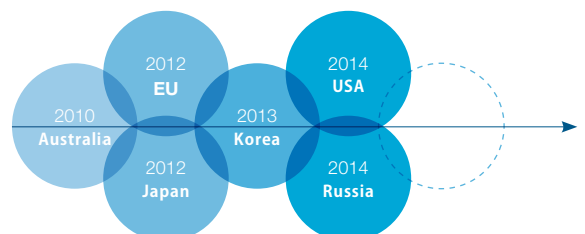
2 nuclear power plants

being constructed

(based on 1-million-kW plant)

Mega Trend

Global initiative to phase out inefficient lights
(such as incandescent lamps)



DISCOVER POSCO LED

Utilizing its core competences, POSCO LED is devoted to enabling sustainable and refined life through continuously improving the living and working environment.

Global Leadership

Collaboration with POSCO affiliates worldwide enables the competence to develop world leading products and respond to customers in every corner of the globe.

Total LED Lighting Solutions

World-class lighting professionals of POSCO LED provides a total solution for LED lighting from lighting products and systems to consulting services.

Industrial Lighting Expert

As a specialist in industrial LED lighting, POSCO LED helps customers to improve the productivity of their facilities and save costs by providing reliable and innovative products for hazardous environment.

Global Leadership

The Trusted Global LED Lighting Professional

POSCO LED, the global LED lighting company, is a joint venture of POSCO, a steel manufacturer that holds the world's highest competitiveness, along with POSCO ICT, the professional in IT and engineering. POSCO LED takes the new growth engine of POSCO group - Green Business into account by developing cooperative network and building synergy with leading global enterprises and research institutes. With its competences in global leading product development and global customer service, POSCO LED embodies the highest customer value through its corporate philosophy, trust.



POSCO Group Worldwide



219
affiliates

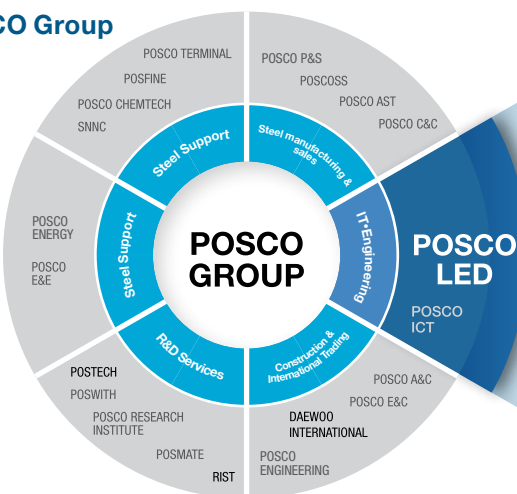


77,817
employees

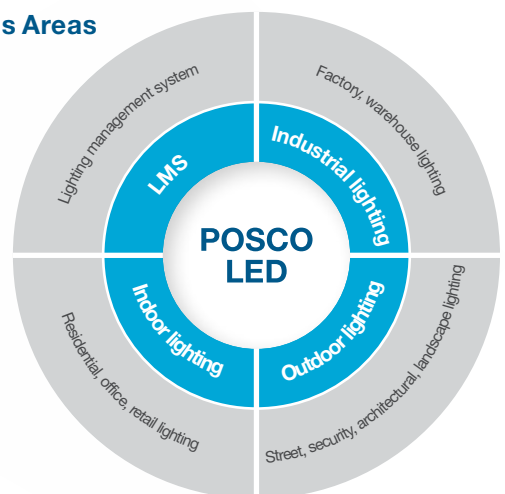


65,000,000,000
annual revenue

POSCO Group



Business Areas



Total LED Lighting Solutions

POSCO LED is a total solution provider offering products and systems along with consulting services which best fits to the environment and the needs of a customer.

Lighting Products

- Leading technology on efficiency and reliability in the industry
- Sleek and elegant designs

Lighting Systems

- LMS and EMS solutions optimized for each customer's specific needs
- Synergy generation in cooperation with POSCO ICT – the professional in IT and lighting systems, POSTECH(Pohang University of Science and Technology), and RIST(Research Institute of Industrial Science & Technology) – the world renowned IT research institute



Dimming



Movement Sensor



Brightness Sensor



Time Control

Lighting Consulting

- Comprehensive and professional consulting services to meet specific requirements of each customer
- Lighting design, installation and management solutions

Industrial Lighting Expert

POSCO LED offers highly reliable lighting products even under extreme conditions (high temperature, high humidity, dust and vibration) in places like steel works which is one of the most difficult application areas in the lighting industry.

Drastic Reduction in Maintenance

Highly efficient and reliable industrial lighting products features with POSCO LED's own advanced technology feature excellent lumen maintenance, significantly low malfunction rates and 4 times longer lifetime than conventional lights.

POSCO LED lights help customers to improve productivity and drastically reduce maintenance costs.



PRODUCT LINE-UP

The light's on for you

Product Line-up

LED Lighting

Industrial

Factories, warehouses, gymnasiums, big-box retails, exhibition halls

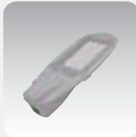


• **LED Bay Light**
60/ 80/ 110/ 115/ 175W



Outdoor

Roadway and public facility lighting, pedestrian walkways, parks, border lighting



• **LED Street Light**
45/ 65/ 90/ 130/ 180W



Gas stations, parking lots, warehouses, wall packs



• **LED Canopy Light**
115W



Indoor

Residential, commercial, agricultural lighting floor lights, downlights



• **LED BULB**
9.6/ 11/ 13W



Offices, educational facilities, retails, parking lots



• **LED Tube**
T8: 23W
T10: 42/ 48W



Offices, home, educational, facilities



• **LED Troffer**
42/ 52W



Commercial lighting, offices, educational facilities



• **LED Down Light 6"**
14W



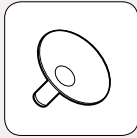
Offices, educational facilities, retails, parking lots



• **LED Linear light**
23/ 44W



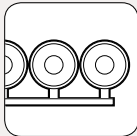
Conventional Lighting



- HID
150 ~ 400W



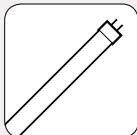
- HID
70 ~ 400W



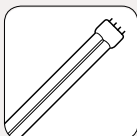
- HID
250W



- Incandescent Lamp
60/ 75W
- CFL
20 ~ 25W



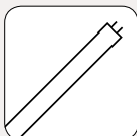
- T8 : 4ft - 32 ~ 40W
- T10 : 8ft - 110W



- 2' x 2'
FPL 36W x 3
LFL 20W x 3
- 2' x 4'
LFL 32 ~ 40W x 4

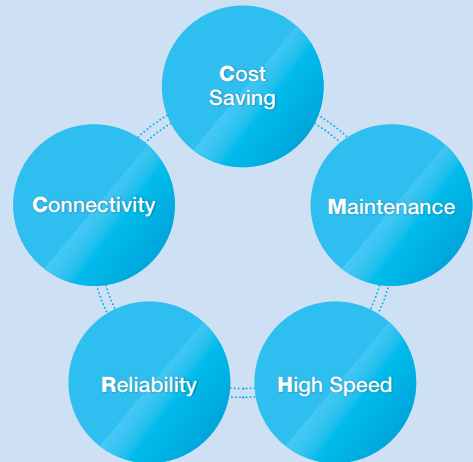


- Down Light 6"



- FL
32/ 40W x 1 or 2

LED Light Engine (LLE)



Industrial LLE



posLE30_T

Triangle
ø3.5 x 0.8 inch
30W
2,700 lm



posLE30_O

Octagon
ø2.9 x 0.8 inch
30W
2,700 lm

Indoor LLE



posLE31_P

300 x 1,200 用
(11.1(L) x 8.5(W) x 0.1(T)inch)



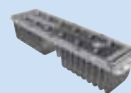
posLE66_P

600 x 600 用
(10.2(L) x 10.2(W) x 0.1(T)inch)

40/ 46/ 50/ 54W

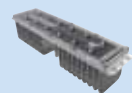
4,600lm@46W

Outdoor LLE



posLE30_R

Rectangular
11.8(L) x 2.8(W) x 2.7(H)inch
30W
2,400 lm



posLE40_B

Bar
9.8(L) x 2.8(W) x 3.1(H)inch
40W
3,940 lm

LED BAY LIGHT



Features

- Active cooling type or natural cooling type available
- Various option covers & installation types
- Wide applications from industrial to commercial
- Various beam angles
- Lightweight
- IP66 rated for protection against dust and moisture, ideal for outdoor environment

Applications

- Factories, warehouses, gymnasiums, big-box retails, exhibition halls

Replacements

- HID (High Intensity Discharge) 150W ~ 400W
- POSCO LED 60 ~ 175W



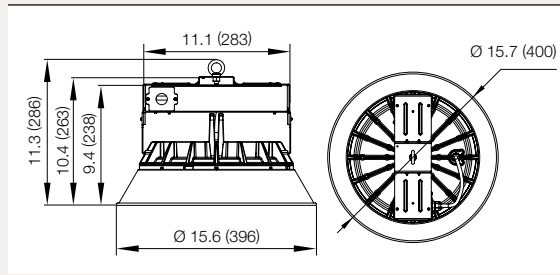
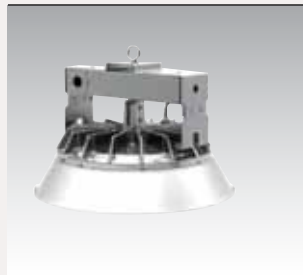
Save up to
68%

LED BAY LIGHT

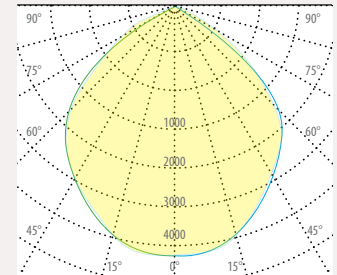
The light's on for you

BL115A

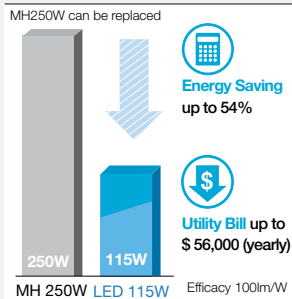
115W Dimensional Drawing [inch (mm)]



Light Distribution Curve 110°



Saving Effect



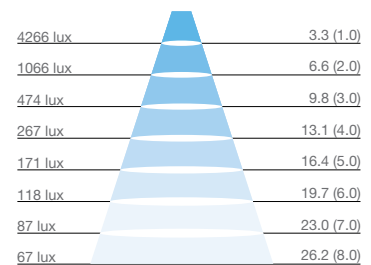
Multi-use LED Low Bay Light

Various Louver Designs Available

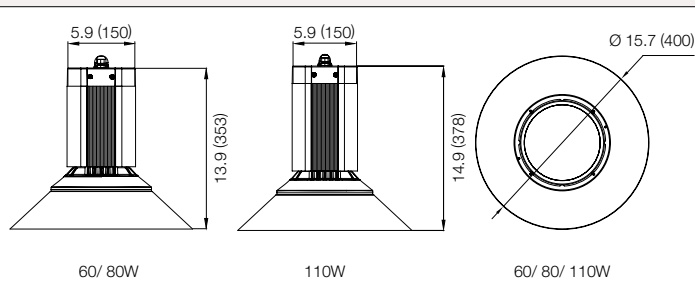


Cone Lux Level [ft (m)]

110°

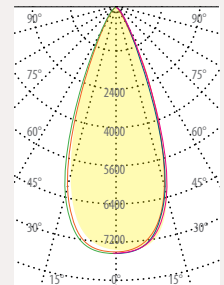


BL060A/ BL080A/ BL110A



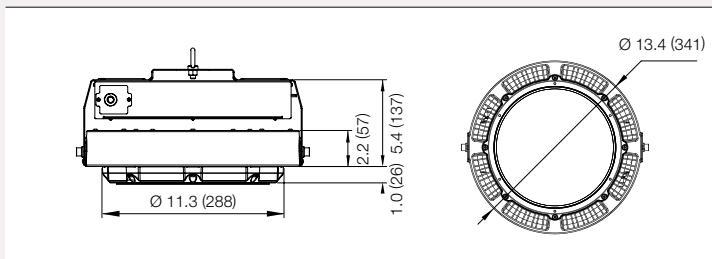
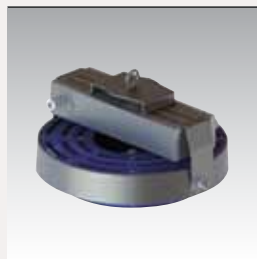
BL060A

45°

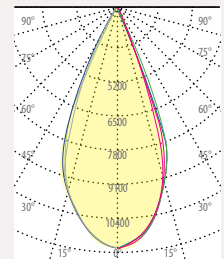


BL175A

175W



45°



Specifications

Model Name	Watts (W)	Vin (VAC)	CCT (K)	Lumens (lm)	Beam Angles (deg.)	CRI (Ra)	Weight [lb(kg)]	Dimensions (DxH) [inch(mm)]
BL060A	60	100 ~ 277	5,700	4,500	30/ 45/ 60	70 ↑	14.3 (6.5)	Ø 15.7 (400) x 13.9 (353)
BL080A	80	100 ~ 277	5,700	6,000	30/ 45/ 60	70 ↑	14.3 (6.5)	Ø 15.7 (400) x 13.9 (353)
BL110A	110	100 ~ 277	5,700	8,250	30/ 45/ 60	70 ↑	15.0 (6.8)	Ø 15.7 (400) x 14.9 (378)
BL115A	115	100 ~ 277	5,000	11,500	110	80 ↑	10.6 (4.8)	Ø 15.7 (400) x 11.3 (286)
BL175A	175	100 ~ 277	5,000	17,500	45/ 60/ 115	70 ↑	14.8 (6.7)	Ø 13.4 (341) x 5.8 (147)

* Contents above are subject to change and may not immediately indicate ongoing and most recent changes.

LED STREET LIGHT



Features

- IP66 rated for protection against dust and moisture, ideal for outdoor environment
- Various types of installation
- Adjustable light distribution for different street configurations
- Motion sensor light

Applications

- Roadway and public facility lighting
- Pedestrian walkways, parks
- Border lighting

Replacement

- HID (High Intensity Discharge) 70 ~ 400W
 - POSCO LED 45/ 65/ 90/ 130/ 180W



Save up to
57%

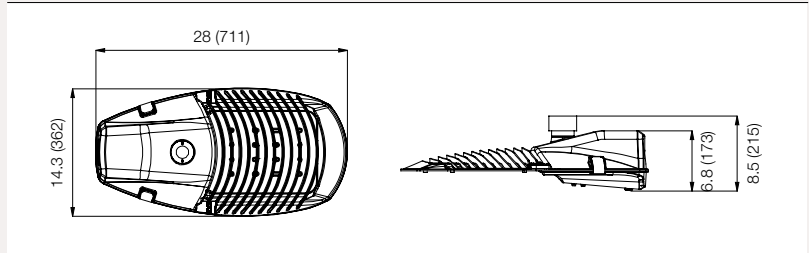
LED STREET LIGHT

The light's on for you

ST090C

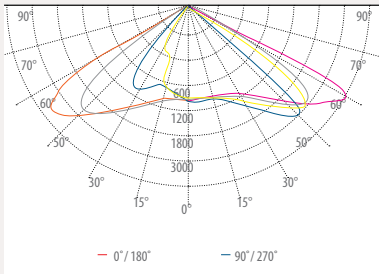
90W

Dimensional Drawing [inch (mm)]

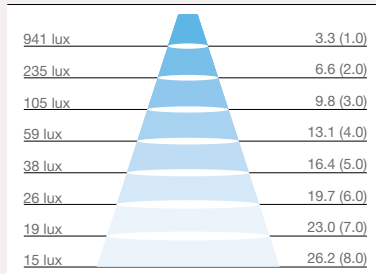


Light Distribution Curve

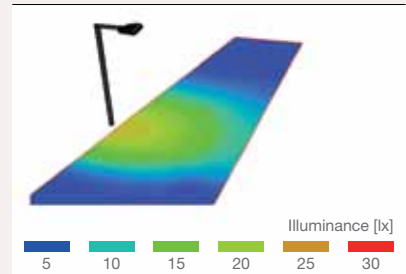
cd



Cone Lux Level [ft (m)]

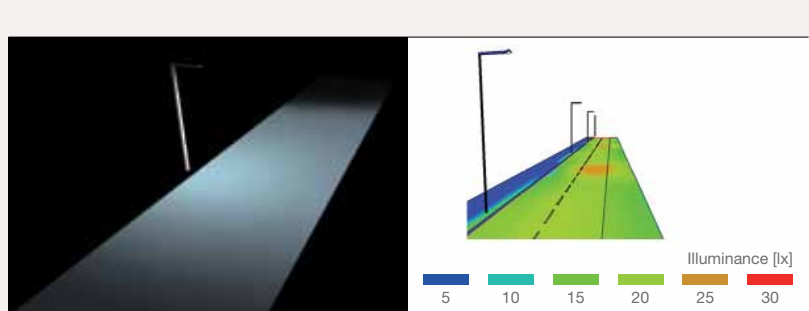
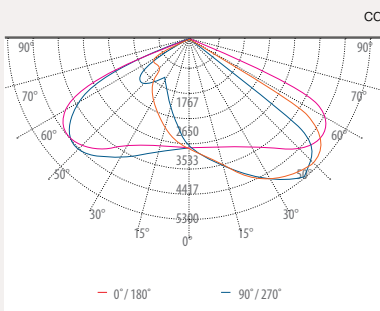
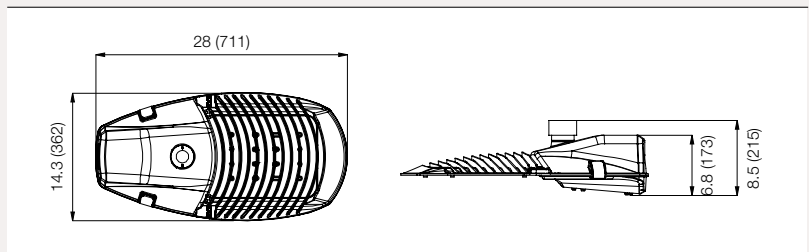


Illuminance Distribution



ST180C

180W



Specifications

Model Name	Watts (W)	Vin (V AC)	CCT (K)	Lumens (lm)	CRI (Ra)	Weight [lb(kg)]	Dimensions (LxWxH) [inch(mm)]
ST045C	45	100 ~ 277	4,000	3,550	75 ↑	20.7 (9.4)	28 (711) x 14.3 (362) x 6.9 (173)
ST065C	65	100 ~ 277	4,000	4,930	75 ↑	20.7 (9.4)	28 (711) x 14.3 (362) x 6.9 (173)
ST090C	90	100 ~ 277	4,000	6,390	75 ↑	20.7 (9.4)	28 (711) x 14.3 (362) x 6.9 (173)
ST130C	130	100 ~ 277	4,000	10,020	75 ↑	23.1 (10.5)	28 (711) x 14.3 (362) x 6.9 (173)
ST180C	180	100 ~ 277	4,000	12,760	75 ↑	23.1 (10.5)	28 (711) x 14.3 (362) x 6.9 (173)

* Contents above are subject to change and may not immediately indicate ongoing and most recent changes.

LED CANOPY LIGHT

Features

- Available in two different designs
- IP66 rated for protection against dust and moisture, ideal for outdoor environment

Applications

- Gas stations, parking lots, warehouses wall packs

Replacement

- HID (High Intensity Discharge) 250W
 - POSCO LED 115W



Save up to
54%

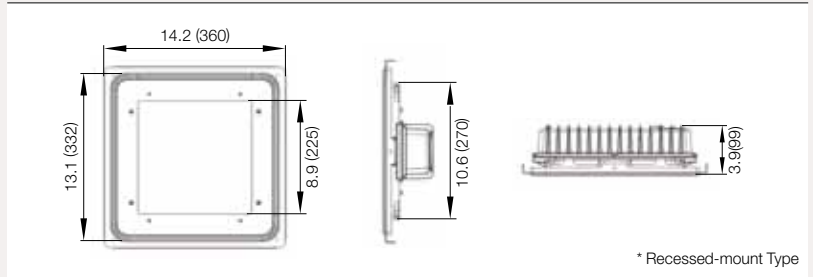
LED CANOPY LIGHT

The light's on for you

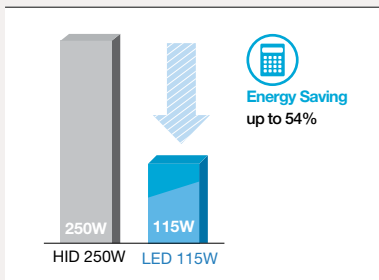
CP115A

115W

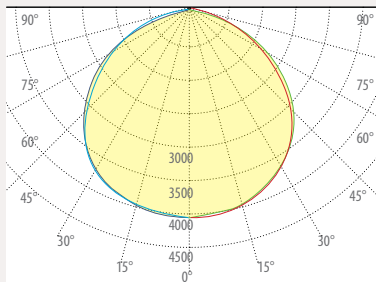
Dimensional Drawing [inch (mm)]



Misson

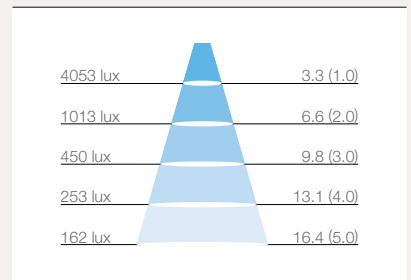


Light Distribution Curve

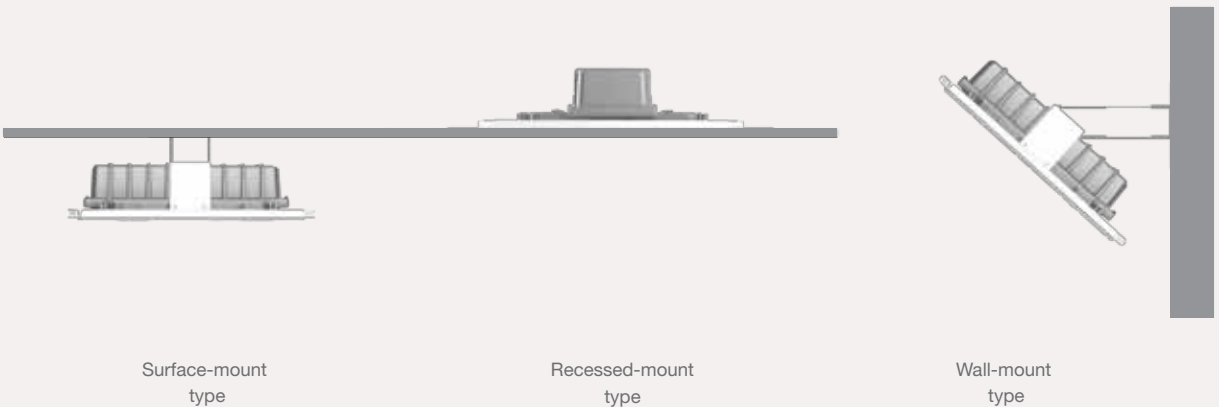


Cone Lux Level [ft (m)]

110°



Installation Type



Specifications

Model Name	Type	Watts (W)	Vin (V AC)	CCT (K)	Lumens (lm)	Beam Angles (deg.)	CRI (Ra)	Weight [lb(kg)]	Dimensions (LxWxH) [inch(mm)]
CP115A	Recessed (Skin)- Mount	115	100 ~ 277	5,000	11,500	110	80 ↑	11.5(5.2)	14.2(360) x 14.2(360) x 3.9(99)
	Surface - Mount	115	100 ~ 277	5,000	11,500	110	80 ↑	13.4(6.1)	14.2(360) x 14.2(360) x 5.7(144)
	Wall - Mount	115	100 ~ 277	5,000	11,500	110	80 ↑	14.8(6.7)	18(457) x 14.2(360) x 6.1(155)

* Contents above are subject to change and may not immediately indicate ongoing and most recent changes.

LED BULB



Features

- High efficacy
- Dimming option
- Long life up to 40,000 hours

Applications

- Residential, commercial, agricultural lighting
- Floor lights, downlights

Replacement

- Incandescent lamp 60W • POSCO LED 9.6/ 11W CFL 20W
- Incandescent lamp 75W • POSCO LED 13W CFL 25W



Save up to
84%

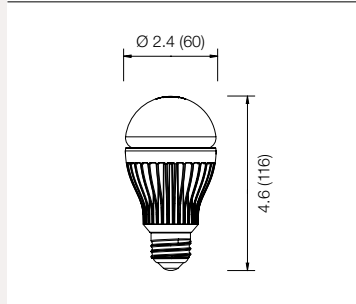
LED BULB

The light's on for you

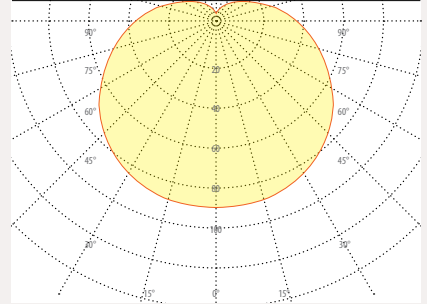
AL009A

9.6W

Dimensional Drawing [inch (mm)]



Light Distribution Curve



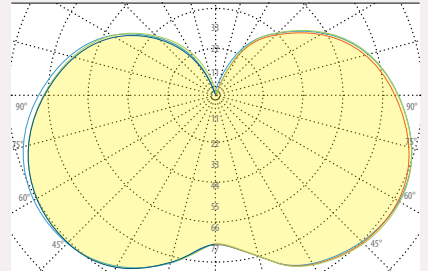
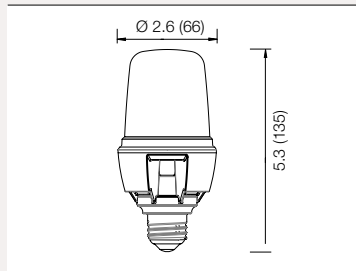
Specifications

Model Name	Base	Watts (W)	Vin (V AC)	CCT (K)	Lumens (lm)	Beam Angles (deg.)	CRI (Ra)	Weight [lb(g)]	Dimensions ((D)x(H))mm[inch(mm)]
AL011A	E26	11	120V	3,000 (5,000)	730 (840)	120	83 ↑	0.4 (180)	Ø 2.4 (60) x 4.6 (116)
AL009A	E26	9.6	120V	3,000 (5,000)	730 (840)	120	83 ↑	0.4 (180)	Ø 2.4 (60) x 4.6 (116)

* Contents above are subject to change and may not immediately indicate ongoing and most recent changes.

AL013A

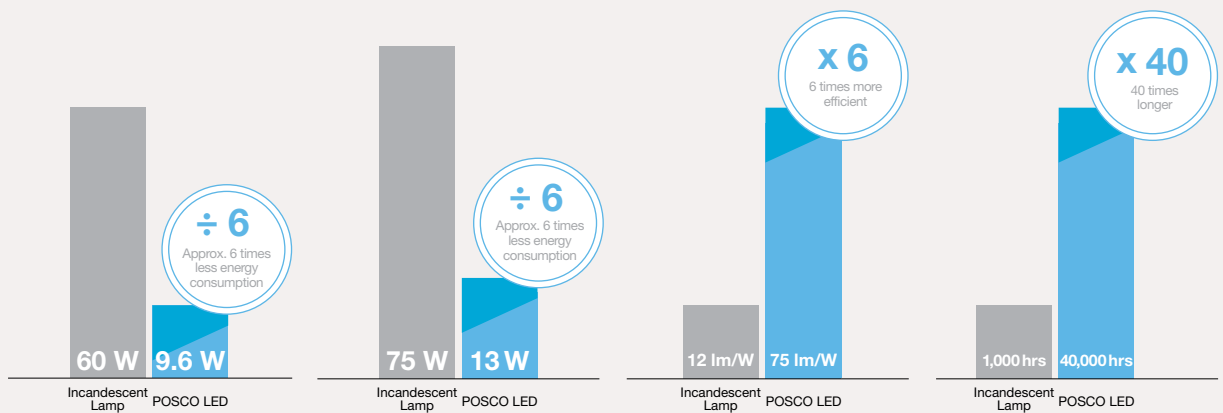
13W



Energy Saving

Efficiency (Lumens Per Watt)

Product Life



Specifications

Model Name	Base	Watts (W)	Vin (V AC)	CCT (K)	Lumens (lm)	Beam Angles (deg.)	CRI (Ra)	Weight [lb(g)]	Dimensions ((D)x(H))mm[inch(mm)]
AL013A	E26	13	120	3000 (5,000)	810 (900)	220	80 ↑	0.4 (180)	Ø 2.6 (66) x 5.4 (135)

* Contents above are subject to change and may not immediately indicate ongoing and most recent changes.

LED TUBE

• Features

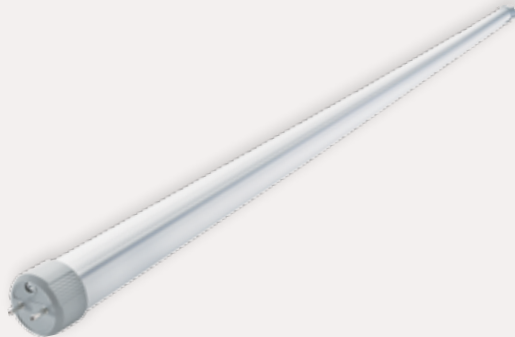
- High Efficacy
- Fully compatible with existing fluorescent lamp fittings
- External SMPS
- Clear or milky type available

• Applications

- Offices, educational facilities
- Retails, parking lots

• Replacements

- T8: FL 20W (2ft), FL32 ~ 40W (4ft)
 - POSCO LED 23W
- T10 : FL 110W (8ft)
 - POSCO LED 42/ 48W



Save up to
62%

LED TUBE

The light's on for you

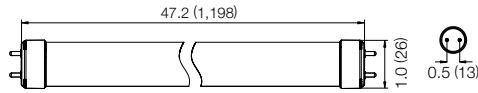
T8

4ft

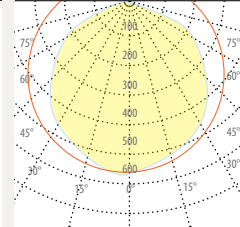
TB823A

23W

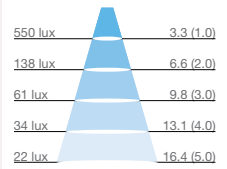
Dimensional Drawing [inch (mm)]



Light Distribution Curve

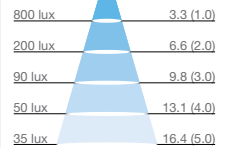
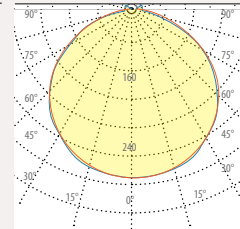
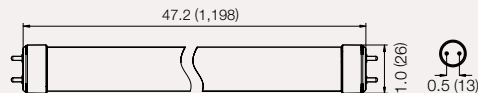
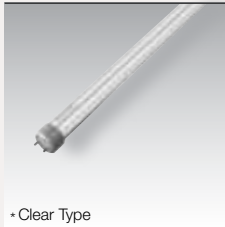


Cone Lux Level [ft (m)]



TB823A2

23W

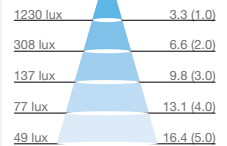
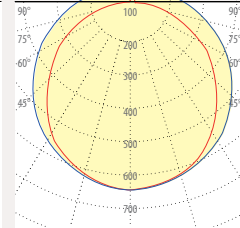
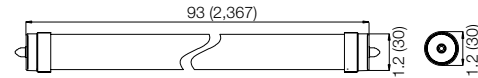


T10

8ft

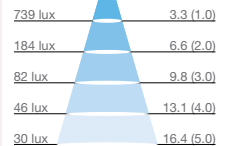
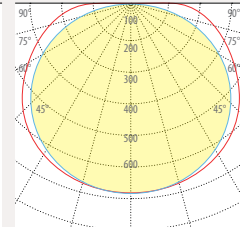
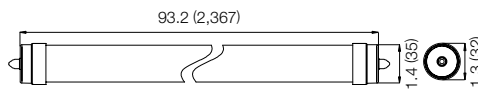
TBA42A

42W



TBA50D

48W



Specifications

Model Name	Type	Base	Watts (W)	Vin (VAC)	CCT (K)	Lumens (lm)	Beam Angles (deg.)	CRI (Ra)	Weight [lb(g)]	Dimensions (DxL) [inch(mm)]
TB823A	T8	G13	23	100 ~ 277	5,000(4,000)	2,300	150	80 ↑	0.7 (295)	Ø 1.0 (26) x 47.2 (1,198)
TB823A2		G13	23	100 ~ 277	5,000	2,450	110	80 ↑	0.7 (295)	Ø 1.0 (26) x 47.2 (1,198)
TB823D		G13	23	100 ~ 277	5,000(4,000)	2,200	210	80 ↑	0.4 (200)	Ø 1.0 (26) x 47.2 (1,198)
TBA42A	T10	FA8	42	100 ~ 277	5,000(3,500/4,000)	4,500	140	80 ↑	1.4 (640)	Ø 1.2 (30) x 93.2 (2,367)
TBA50D		FA8	48	100 ~ 277	5,000(4,000)	4,400	210	80 ↑	1.5 (700)	Ø 1.4 (35) x 93.2 (2,367)

* Contents above are subject to change and may not immediately indicate ongoing and most recent changes.



LED TROFFER

• Features

- Slim & lightweight design
- High efficacy
- Smart lighting control system

• Applications

- Offices, home, educational, facilities

• Replacements

- FPL 36W x 3, LFL 20W x 3
 - POSCO LED 42W
- LFL 32 ~ 40W x 4
 - POSCO LED 52W



Save up to
62%

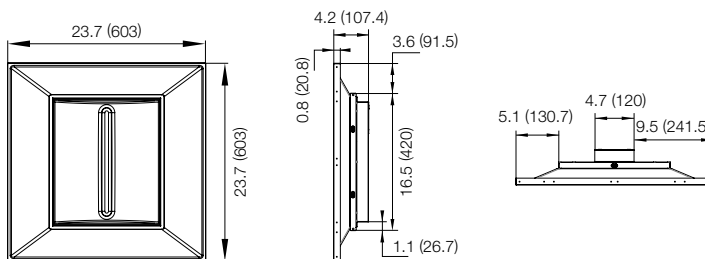
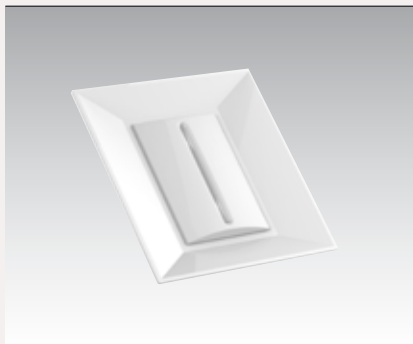


LED TROFFER

The light's on for you

TR042A

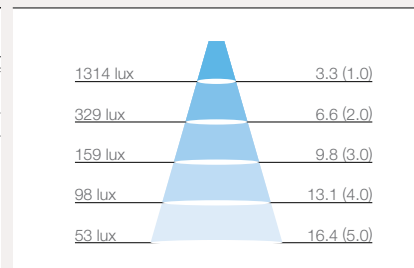
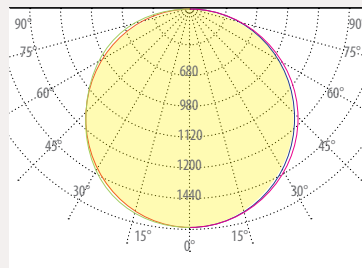
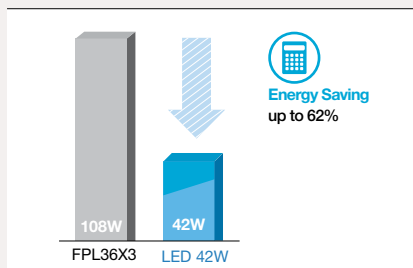
42W Dimensional Drawing [inch (mm)]



Mission

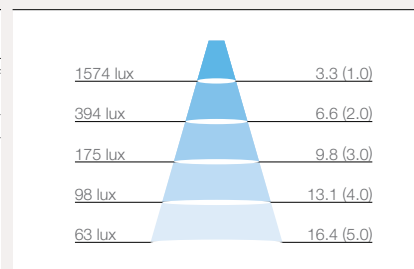
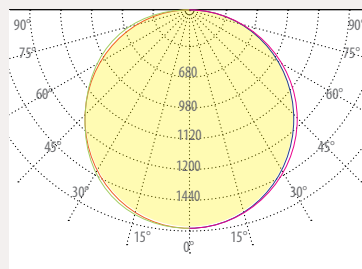
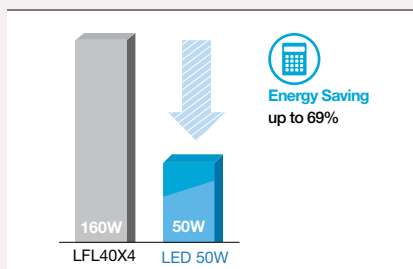
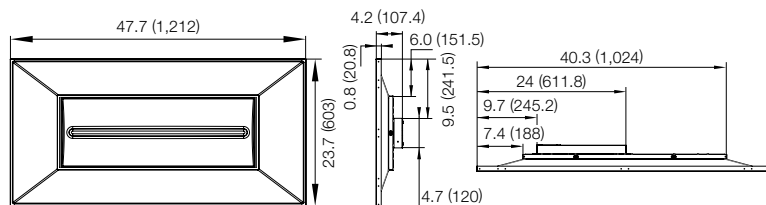
Light Distribution Curve

Cone Lux Level [ft (m)]



TR052A

52W



Specifications

Model Name	Watts (W)	Vin (V AC)	CCT (K)	Lumens (lm)	Beam Angles (deg.)	CRI (Ra)	Weight [lb(kg)]	Dimensions (LxWxH) [inch(mm)]
TR042A	42	120 ~ 277	4,000	3,780	115	80 ↑	9.7 (4.4)	23.7 (603) x 23.7 (603) x 4.2 (107)
TR052A	52	120 ~ 277	4,000	4,500	115	80 ↑	14.1 (7.4)	47.7 (1,212) x 23.7 (603) x 4.2 (107)

* Contents above are subject to change and may not immediately indicate ongoing and most recent changes.



LED DOWN LIGHT



• Features

- Slim & lightweight design
- Dimmable

• Applications

- Commercial lighting
- Offices, educational facilities

• Replacements

- CFL 6" 20 ~ 30W • POSCO LED 14W

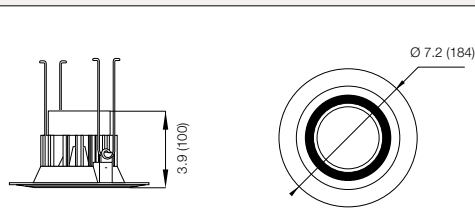


LED DOWN LIGHT

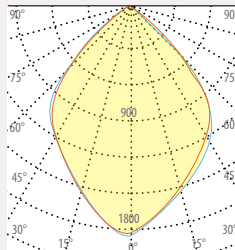
The light's on for you

DL014F

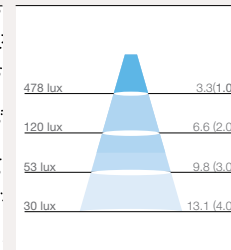
14W Dimensional Drawing [inch (mm)]



Light Distribution Curve

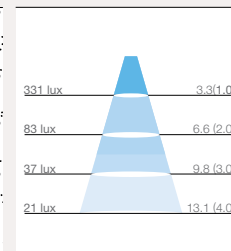
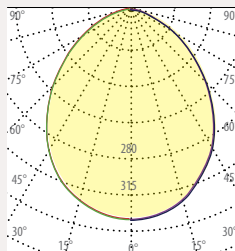
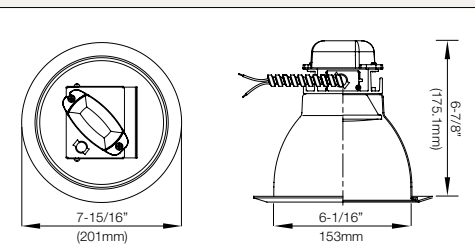


Cone Lux Level [ft (m)]



DL014F2

14W



Specifications

Model Name	Type	Watts (W)	Vin (V AC)	CCT (K)	Lumens (lm)	CRI (Ra)	Weight [lb(g)]	Dimensions ((D)x(H)mm) [inch(mm)]
DL014F	6 Inch	14	120 ~ 277	2,700(5,000)	895	80 ↑	1.5 (680)	Ø 7.2 (184) x 3.9 (100)
DL014F2	6 inch NON-IC	14	120 ~ 277	3,000(4,000)	840	80 ↑	1.5 (670)	Ø 8 (201) x 7 (175.1)

* Contents above are subject to change and may not immediately indicate ongoing and most recent changes.



LED LINEAR LIGHT

Features

- High efficacy
- Eco-friendly (no hazardous substances)
- Fully compatible with existing fluorescent lamp fittings

Applications

- Offices, educational facilities
- Retails, parking lots

Replacements

- LFL 32 ~ 40W x 1 ~ 2
 - POSCO LED 23/ 44W



Save up to
45%

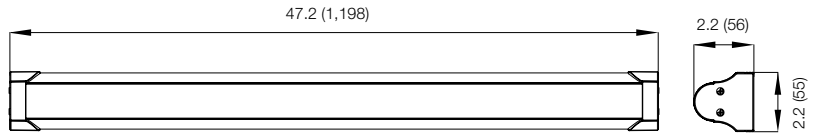
LED LINEAR LIGHT

The light's on for you

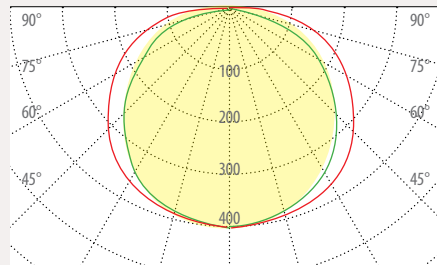
LN023E

23W

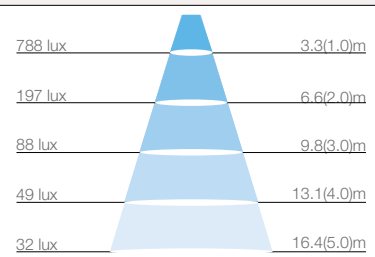
Dimensional Drawing [inch (mm)]



Light Distribution Curve

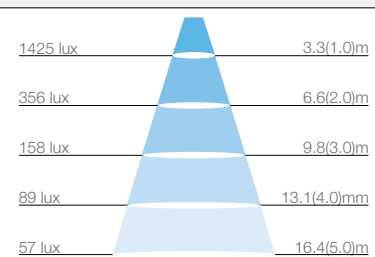
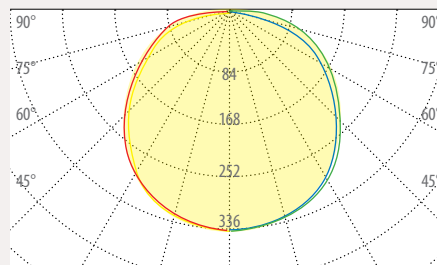
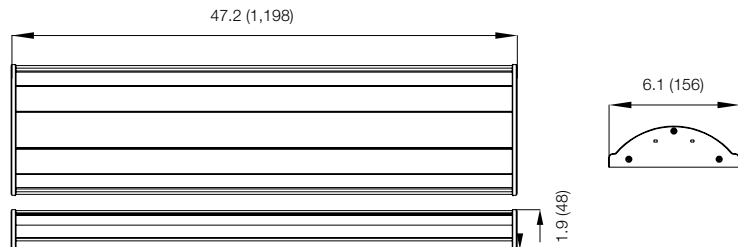


Cone Lux Level [ft (m)]



LN044E

44W



Specifications

Model Name	Watts (W)	Vin (V AC)	CCT (K)	Lumens (lm)	Beam Angles (deg.)	CRI (Ra)	Weight [lb(kg)]	Dimensions (W)x(H) [inch(mm)]
LN023E	23	100 ~ 277	4,500	2,190	130	85 ↑	2.4 (1.09)	2.2 (55) x 47.2 (1,198)
LN044E	44	100 ~ 277	4,500	4,520	130	85 ↑	5.2 (2.37)	6.1 (156) x 47.2 (1,198)

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Design Awards



POSCO LED DESIGN AWARDS



2012

2012



2012



2012



2011



POSCOLED HQ 622, Sampyeong-dong, Bundang-gu, Seongnam-si,
Gyeonggi-do, Korea 463-400

Sales Contact contact_int@poscoled.com

