

Eco Engineering and Energy Solutions

LED Lighting Catalogue



Light of Future

Amman - Jordan

Tel: +962 6 533 00 70

Fax: +962 6 533 06 68

P.O. Box 3984 Amman 11953 Jordan

Riyadh - Saudi Arabia

Tel.: +966 1 419 81 91 - 419 46 11

Fax: +966 1 419 32 11

P.O. Box 305540 Riyadh 11361 Saudi Arabia

Eco Engineering and Energy Solutions (EcoSol) is a leading energy efficiency solution provider, our wide range of solutions posted the company into a leading position in our markets to provide the best solution for our customers.

ECO LIGHTING brand was established by EcoSol to supply the local and regional market by very high quality LED products manufactured according to the United Kingdom (UK) standards to help in reducing energy consumption in lighting system.

EcoSol ensures its customers the high performance, excellent light characteristics and long life time of ECO LIGHTING products, where all our LED lamps were selected according to very stringent criteria set by EcoSol energy efficiency experts to provide the market by the highest possible quality and competitive prices.

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Technical Specifications:

Model Code	Eco – Tube
Type of Lamp	LED T8 Tube with Internal Driver
Base	G 13
Voltage (V)	220 - 240
Frequency (Hz)	50 / 60
Beam Angle (°)	160
Color Rendering (Ra)	93

THD	↓ 20%
Operating Temperature (°C)	-20 - 45 C
Average Lifetime (hrs)	65,000
Certification	CE, Rohs

Model Number	Power	Lumen Output	Lamp Efficacy	Power Factor	Color Temperature	Length
Eco – Tube 600	8 W	720 lm	90 lm/W	≥ 90%	6500 K	600 mm
Eco – Tube 1200	18 W	1800 lm	100 lm/W	55% - 65%	6500 K	1200 mm

Product Features:

LED T8 tube with compact design and integrated driver comes with the same physical dimensions of the traditional T8 fluorescent lamps. The reflector of each lamp is treated perfectly to ensure excellent distribution of light while the back side heat sink is made from die cast aluminum alloy to ensure excellent heat dissipation.

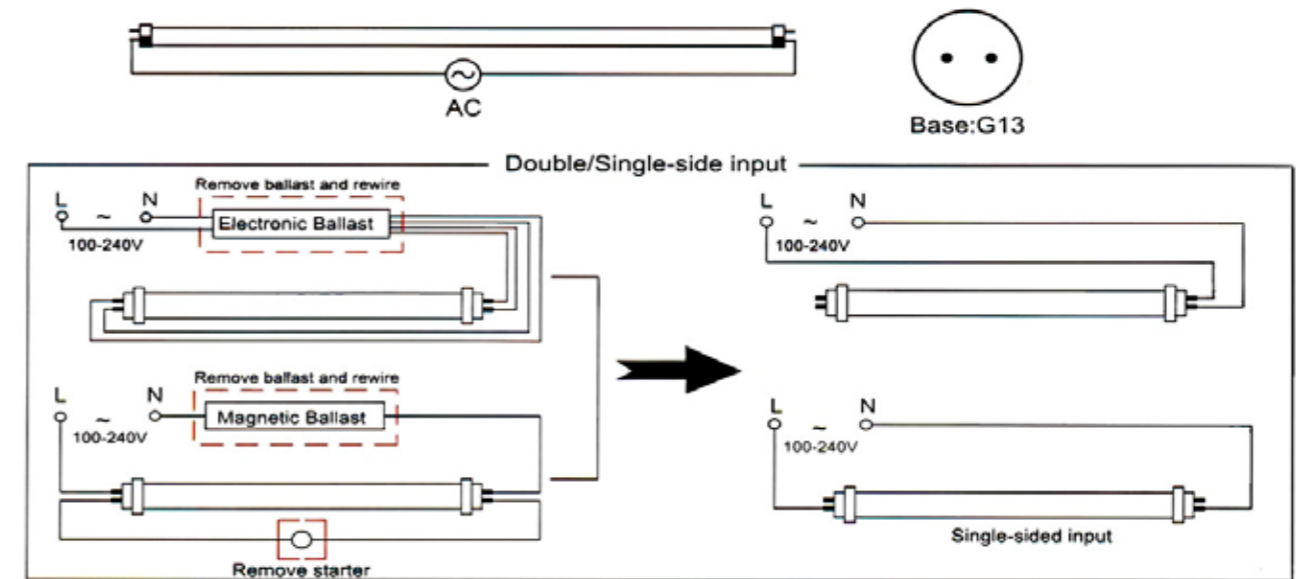
Why upgrade?

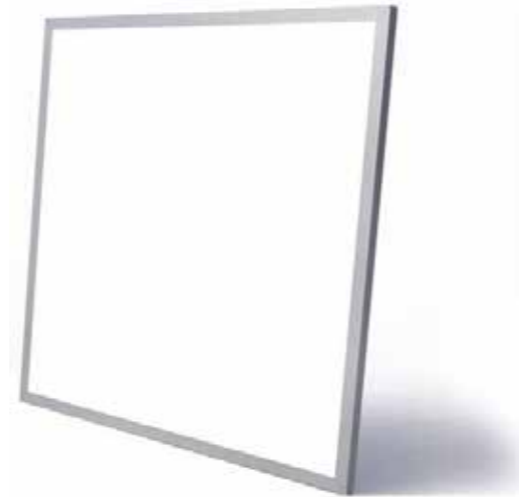
- The same physical size provides a direct retrofitting opportunity.
- Lower Wattage for same light output providing energy saving of 60% - 65%.
- Color remains stable through life time of lamp.
- Instant light ON , no flicker and no noise.
- Mercury free (Rohs compliance).
- Does not need starter or ballast.
- Extended life time which means less lamp replacement , less hassle and thus reduced maintenance cost.

Application:

Indoor lighting at offices, commercial centers and shops, hospitals, pharmacies, supermarkets, universities and others.

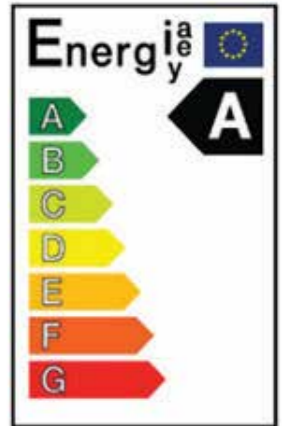
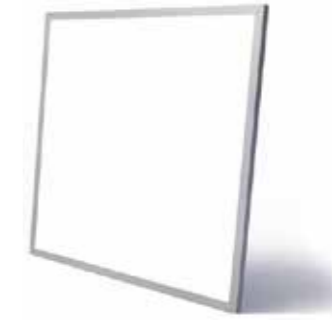
Wiring Diagram:





Technical Specifications:

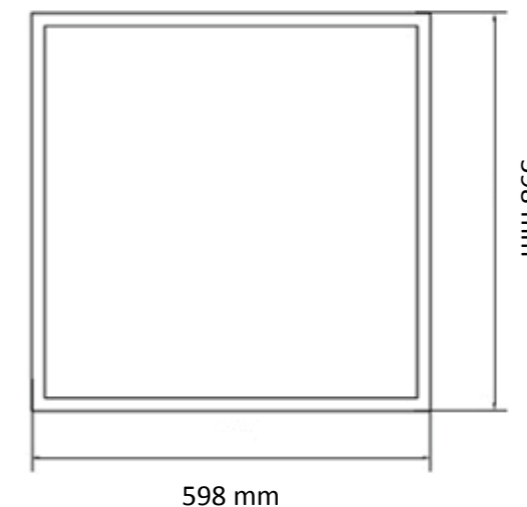
Model Code	Eco – Panel
Type of Lamp	LED Panel with External Driver
Voltage (V)	220 - 240
Frequency (Hz)	50 / 60
Power Factor	≥ 90%
Beam Angle (°)	165
Color Rendering (Ra)	93



THD	↓ 20%
Operating Temperature (°C)	-20 - 45 C
Average Lifetime (hrs)	50,000
Certification	CE, Rohs

Model Number	Power	Lumen Output	Lamp Efficacy	Color Temperature	Dimmable
Eco – PL 36 W	36 W	3000 lm	83 lm/W	3200K / 5000K / 6500 K	No
Eco – PL 40 W	40 W	3350 lm	84 lm/W	3200K / 5000K / 6500 K	No
Eco – PL 50 W	50 W	4200 lm	83 lm/W	3200K / 5000K / 6500 K	No

Physical Dimensions:



Product Features:

LED panel light with die cast aluminum alloy frame. The panel reflector is treated by incorporating high technology in the cover to ensure uniform light distribution and stable color over the whole surface of lamp. The lamp comes with external driver to avoid the direct heat from LED chip.

Why upgrade?

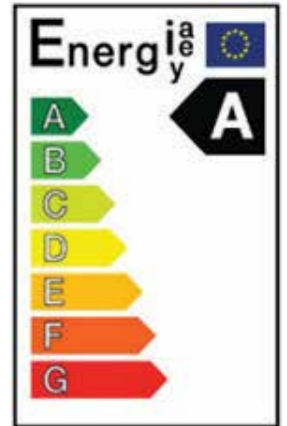
- Lower Wattage and same lumen output, providing energy saving of 50% - 60% if compared to fluorescent lamps.
- Color remains stable through life time of lamp.
- Instant light ON , no flicker and no noise.
- Mercury free (Rohs compliance)
- Extended life time which means less lamp replacement , less hassle and thus reduced maintenance cost.

Application:

Indoor lighting at offices, commercial centers, hotels, pharmacies, hospitals, supermarkets, universities and others.



Technical Specifications:

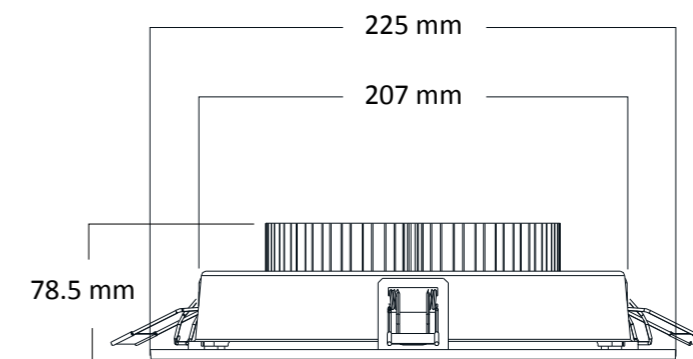


Model Code	HD CL 5013
Type of Lamp	LED Down light
Voltage (V)	100 - 240
Frequency (Hz)	50 / 60
Beam Angle (°)	140
Color Rendering (Ra)	85

THD	↓ 20%
Operating Temperature (°C)	-20 - 45 C
Average Lifetime (hrs)	50,000
Certification	CE, Rohs

Model Number	Power	Lumen Output	Lamp Efficacy	Power Factor	Color Temperature
HD-CL 5013 24W	24 W	2200 lm	92 lm/W	≥ 90%	3200K / 6500 K
HD-CL 5013 30W	30 W	2800 lm	93 lm/W	≥ 90%	3200K / 6500 K
HD-CL 5013 36W	36 W	3060 lm	85 lm/W	≥ 90%	3200K / 6500 K

Physical Dimensions:



Product Features:

LED down light with integrated heat sink made from the die cast aluminum alloy , perfectly anodized and treated to ensure optimum heat dissipation among all other similar down lights. The LED chip is made from high quality SMD technology to ensure long life time, lower hassle and maintenance cost.

This LED down light is available in three different wattage with the same physical dimensions to fit in most places with different heights and to avoid glare.

This LED down light may be used recessed or suspended over several ceiling types such as gypsum board , false ceiling and others.

Why upgrade?

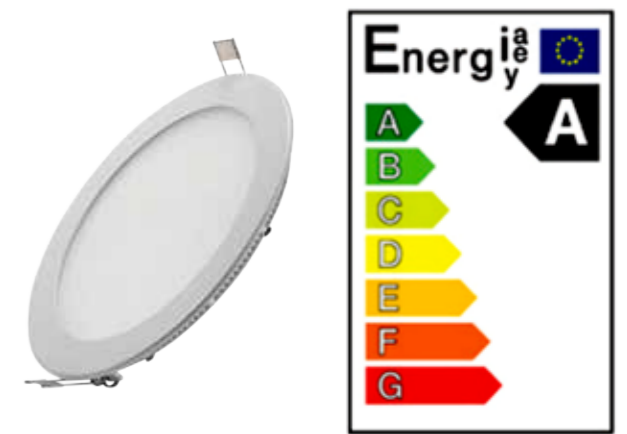
- 50,000 Hours life span of 75% energy saving hence lower electric costs
- Lower wattage and higher lumen output providing more energy savings
- Best for eyesight, Soft ray, No flickering, Wide beam angle, No humming
- Environment friendly, No EMI, No UV, No IR, No hazardous materials used
- Color remains stable over the lamp life time
- Instant ON, no flicker and no noise
- Mercury Free (Rohs Complacent)
- Lower maintenance cost

Application:

Indoor lighting; offices, Commercial centers, malls, hospitals, supermarkets , universities and many others



Technical Specifications:



Model Code	Eco - PLR - 18W
Type of Lamp	LED Thin Down Light
Voltage (V)	220 - 240
Frequency (Hz)	50 / 60
Beam Angle (°)	120
Color Rendering (Ra)	93

THD	↓ 20%
Operating Temperature (°C)	-20 - 45c
Average Lifetime (hrs)	25,000
Certification	CE,Rohs



Model Number	Power	Lumen Output	Lamp Efficacy	Power Factor	Color Temperature
Eco - PLR - 18 W	18 W	1440 lm	80 lm/W	> 90%	3200k / 6500k

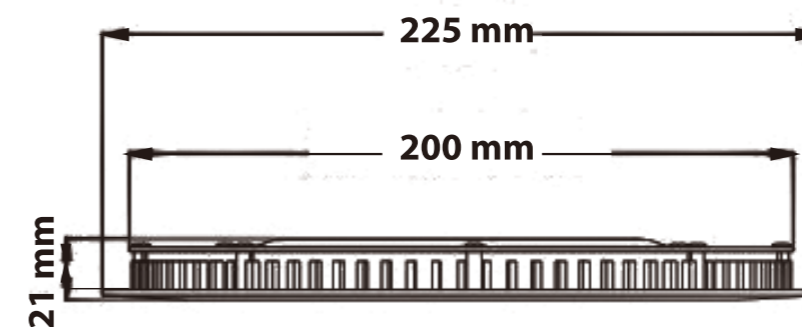
Product Features:

LED Ultra-thin round panel light (down light) with circular metal heat sink covered by electrostatic power coating to ensure excellent heat dissipation. The reflector of the lamp is carefully treated to maximize the beam angle and to provide lighting uniformity for better aesthetical view. This LED down light may be used recessed or suspended over several ceiling types such as gypsum board , false ceiling and others.

Why upgrade?

- Lower wattage and higher lumen output providing more energy savings
- Color remains stable over the lamp life time
- Instant ON, no flicker and no noise
- Mercury Free (Rohs Complacent)
- Lower maintenance cost

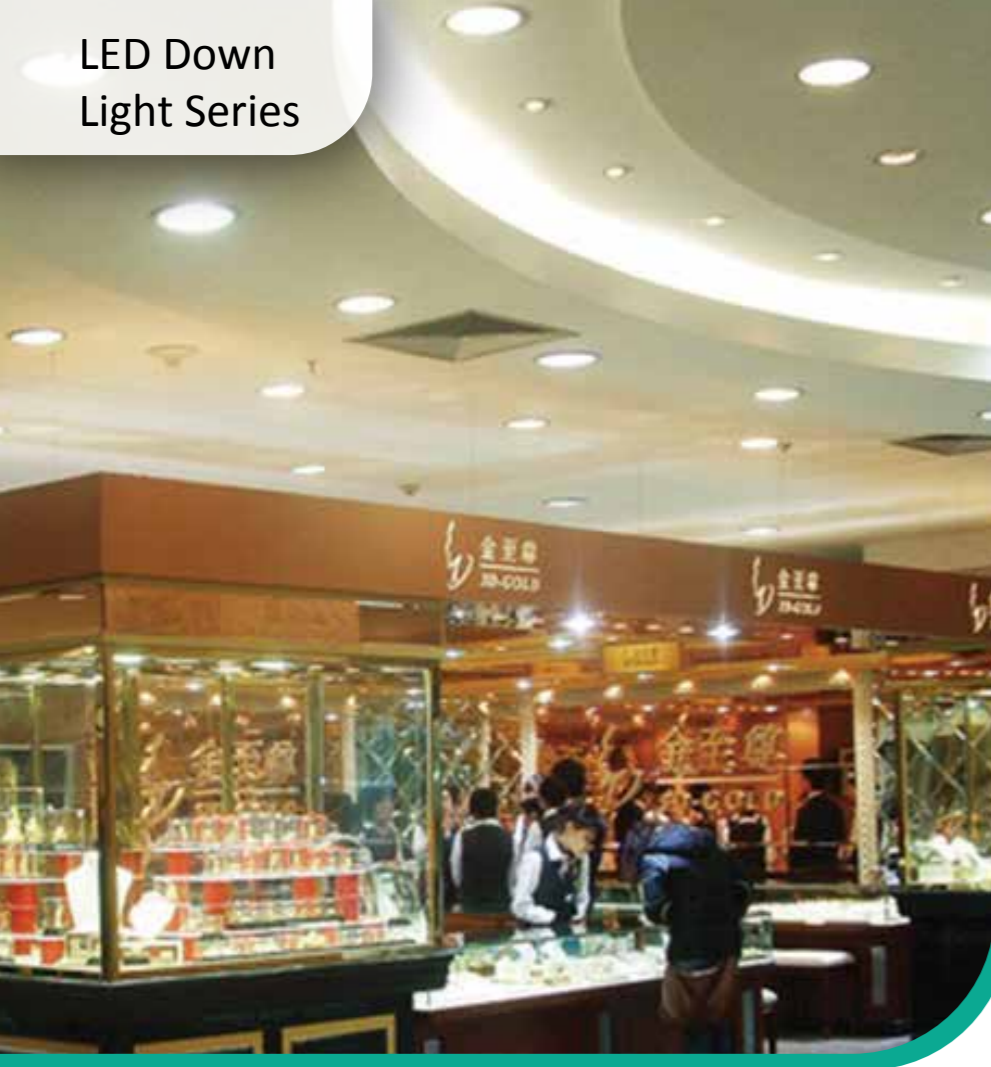
Physical Dimensions:



Application:

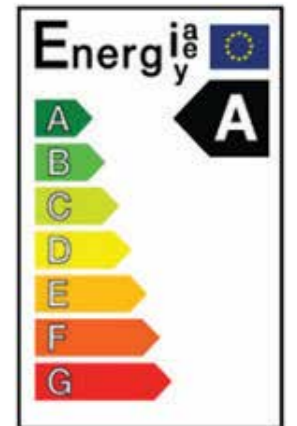
Indoor lighting; offices, Commercial centers, malls, hospitals, supermarkets , universities and many others





Technical Specifications:

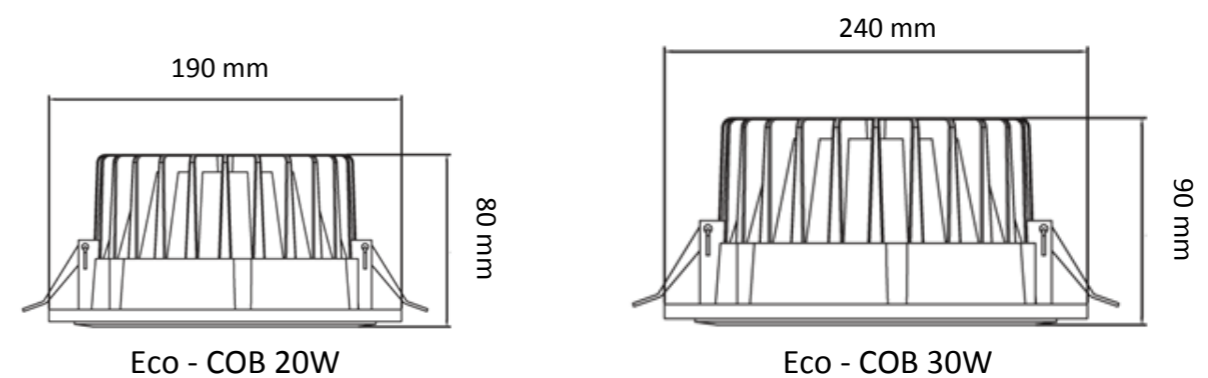
Model Code	Eco -COB
Type of Lamp	LED Down light
Voltage (V)	220 - 240
Frequency (Hz)	50 / 60
Beam Angle (°)	140
Color Rendering (Ra)	93



THD	↓ 20%
Operating Temperature (°C)	-20 - 45 C
Average Lifetime (hrs)	50,000
Certification	CE, Rohs

Model Number	Power	Lumen Output	Lamp Efficacy	Power Factor	Color Temperature
Eco - COB 20 W	20 W	2200 lm	110 lm/W	≥ 90%	3200K / 6500 K
Eco - COB 30 W	30 W	3300 lm	110 lm/W	55% - 65%	3200K / 6500 K

Physical Dimensions:



Product Features:

LED down light with die cast aluminum alloy body finished with electrostatic powder coating. Compact design and excellent heat dissipation. By adopting COB integrated chip technology, the luminaire achieved high lumen output and excellent color rendering. The injected PC chrome plated reflector ensures wide beam angle and uniform light distribution.

Why upgrade?

- Lower Wattage and higher lumen output, providing energy saving of 40% - 50% if compared to compact fluorescent lamps.
- Color remains stable through life time of lamp.
- Instant light ON , no flicker and no noise.
- Mercury free (Rohs compliance).
- Extended life time which means less lamp replacement , less hassle and thus reduced maintenance cost.

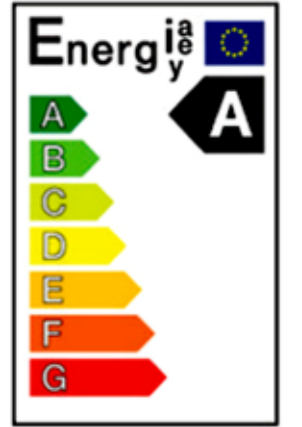
Application:

Indoor lighting at offices, commercial centers , malls , shops, hospitals , supermarkets , universities and others.



Technical Specifications:

Model Code	Eco - BL-9W
Type of Lamp	LED A60 Bulb
Base	E27
Voltage (V)	220 - 240
Frequency (Hz)	50 / 60
Power Factor	≥ 90%
Beam Angle (°)	230
Color Rendering (Ra)	>80



THD	↓ 20%
Operating Temperature (°C)	-20 - 45 C
Average Lifetime (hrs)	25,000
Certification	CE,Rohs

Model Number	Power	Lumen Output	Lamp Efficacy	Color Temperature	Dimmable
Eco - BL - 9 W	9 W	810 lm	90 lm/W	3200k / 6500k	No

Physical Dimensions:



Product Features:

LED A60 bulb series is design as direct and perfect replacement of traditional tungsten (incandescent) lamps with the same physical dimensions providing the platform for LED technology directly and economically to your home, hotel or others.
The integrated heat sink is made from heavy metal covered with PVC to ensure excellent heat dissipation and longer life time of the driver.

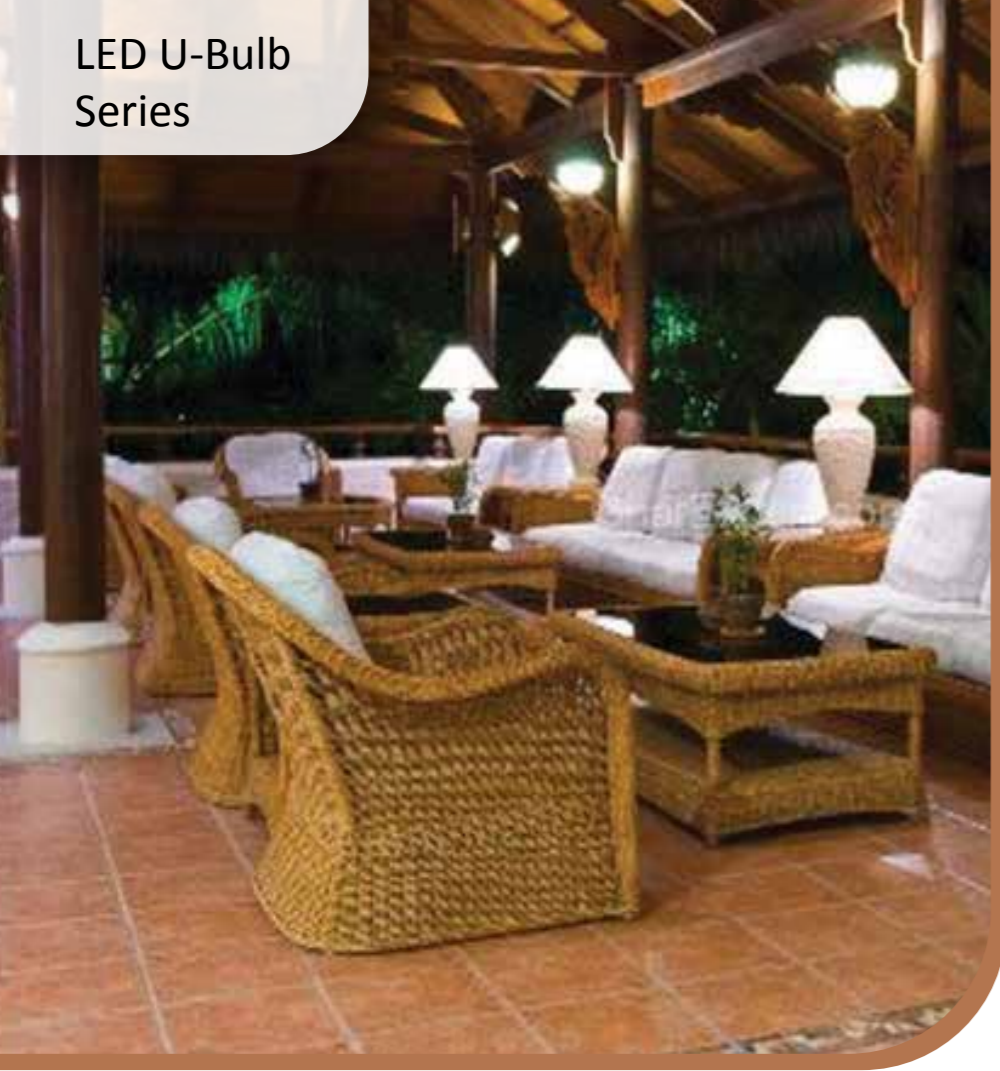
Why upgrade?

- 88% energy saving compared to the traditional tungsten lamps
- Easy and direct retrofitting
- Available in wide color ranges
- Attractive design and excellent light distribution
- Extended life time which means less lamp replacement and lower maintenance cost.
- Color remains stable over the lamp life time
- Instant ON, no flicker and no noise
- Mercury Free (Rohs Complacent)

Application:

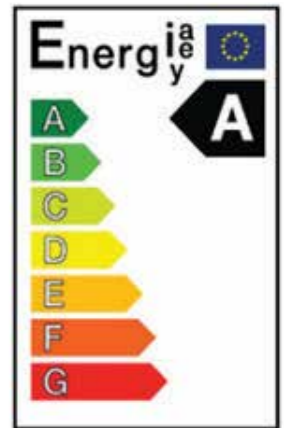
Indoor lighting; residences, hotels, hospitals , restaurants , retails , and other decorative applications.





Technical Specifications:

Model Code	Eco – U bulb
Type of Lamp	LED U Bulb
Base	E 27
Voltage (V)	220 - 240
Frequency (Hz)	50 / 60
Power Factor	≥ 90%
Beam Angle (°)	330
Color Rendering (Ra)	85



THD	↓ 20%
Operating Temperature (°C)	-20 - 45 C
Average Lifetime (hrs)	50,000
Certification	CE, Rohs

Model Number	Power	Lumen Output	Lamp Efficacy	Color Temperature	Dimmable
Eco – U Bulb 8W	8 W	680 lm	85 lm/W	3200K / 6500 K	No
Eco – U Bulb 12W	12 W	1020 lm	85 lm/W	3200K / 6500 K	No
Eco – U Bulb 16W	16 W	1360 lm	85 lm/W	3200K / 6500 K	No

Physical Dimensions:



Eco – U Bulb 8W

Eco – U Bulb 12W

Eco – U Bulb 16W



Product Features:

LED U-bulb luminaire is designed as direct and perfect replacement of traditional compact fluorescent lamps allowing you to bring the LED technology directly and economically to your down light fixtures. The integrated heat sink and the directional emitted lights made this luminaire the preferred choice of the compact fluorescent lamps replacement.

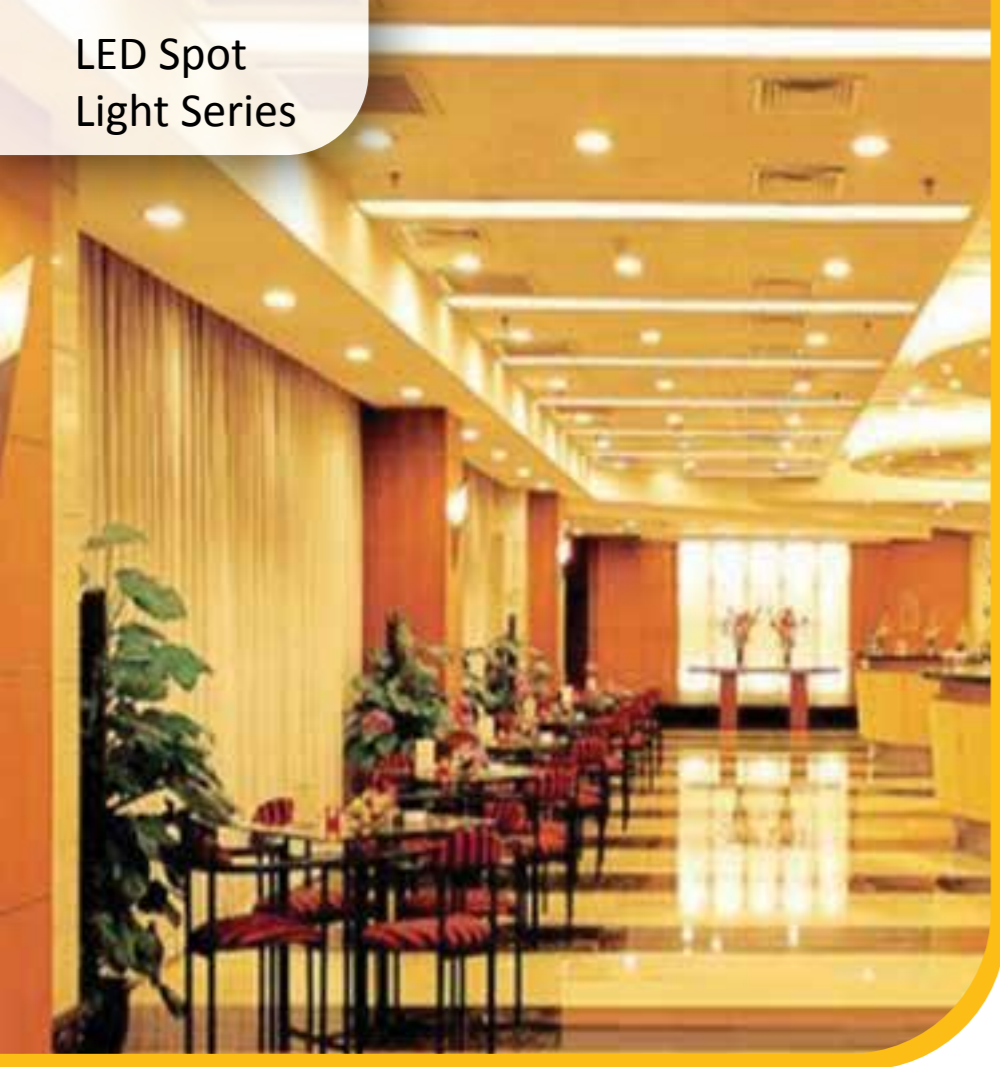
Why upgrade?

- Lower Wattage and same lumen output, providing energy saving of 35% - 50% if compared to compact fluorescent lamps and 75% - 85% if compared to incandescent lamps.
- Direct and easy retrofitting.
- Attractive design and excellent light distribution.
- Extended life time which means less lamp replacement , less hassle and thus reduced maintenance cost.

Application:

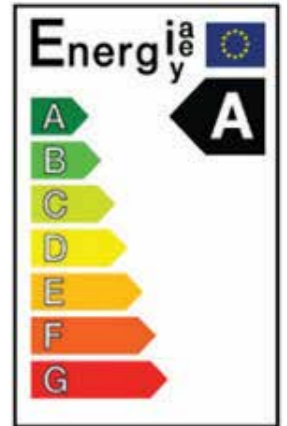
Indoor lighting at offices, malls, shopping retails, hotels, museum, exhibitions, commercial centers, hospitals, homes and others.

Exterior lighting for landscaping, globes and others if installed in the suitable fixture.



Technical Specifications:

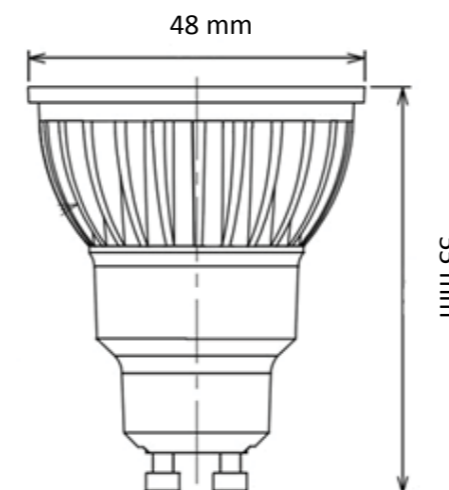
Model Code	Eco – Spot light
Type of Lamp	LED Spotlight with internal Driver
Base	GU 10
Voltage (V)	220 - 240
Frequency (Hz)	50 / 60
Power Factor	≥ 90%
Color Rendering (Ra)	85



THD	↓ 20%
Operating Temperature (°C)	-20 - 45 C
Average Lifetime (hrs)	50,000
Certification	CE, Rohs

Model Number	Power	Lumen Output	Lamp Efficacy	Color Temperature	Beam Angle	Dimmable
Eco – Spot 4W	4 W	440 lm	110 lm/W	3200K	45	No
Eco – Spot 5W	5 W	485 lm	97 lm/W	3200K	65	No

Physical Dimensions:



Product Features:

LED spot light with die cast aluminum alloy body, CNC precise finishing with electrostatic power coating (optional). The luminaire is equipped by injected PC chrome plated reflector to ensure high reflection ratio and precise beam angle. The stylish design of this spot light made it the preferred choice for modern lighting design.

Why upgrade?

- Lower Wattage and same lumen output, providing energy saving of 90% - 93% if compared to halogen spot light.
- High color rendering.
- Reduce air conditioning energy consumption and avoid hot spots.
- Extended life time which means less lamp replacement , less hassle and thus reduced maintenance cost.

Application:

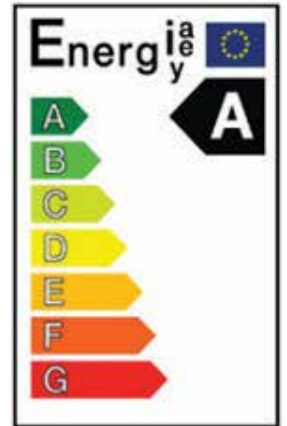
Indoor lighting at hotels, museum, exhibitions, shopping retails, offices, commercial centers, hospitals, elevator room, and others.

Exterior lighting for landscaping and outside facades if installed in the suitable fixture.



Technical Specifications:

Model Code	Eco - Candle
Type of Lamp	LED Candle Light with Internal Driver
Base	E 14
Voltage (V)	220 - 240
Frequency (Hz)	50 / 60
Power Factor	≥ 90%
Beam Angle (°)	270
Color Rendering (Ra)	85



THD	↓ 20%
Operating Temperature (°C)	-20 - 45 C
Average Lifetime (hrs)	50,000
Certification	CE, Rohs

Model Number	Power	Lumen Output	Lamp Efficacy	Color Temperature	Dimmable
Eco - CD 3 W	3 W	270 lm	90 lm/W	3200 K - 6500 K	No
Eco - CD 5 W	5 W	450 lm	90 lm/W	3200 K - 6500 K	No
Eco - CD 7 W	7 W	630 lm	90 lm/W	3200 K - 6500 K	No

Physical Dimensions:



Product Features:

LED Chandelier bulb in a stylish flame shape, patent lens that allows the luminaire to shine in three dimensions for perfect light distribution. This luminaire comes with perfect design of the heat sink to ensure excellent heat dissipation and aesthetical design.

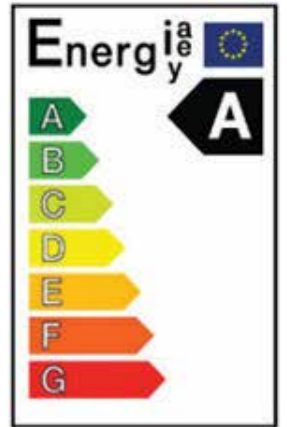
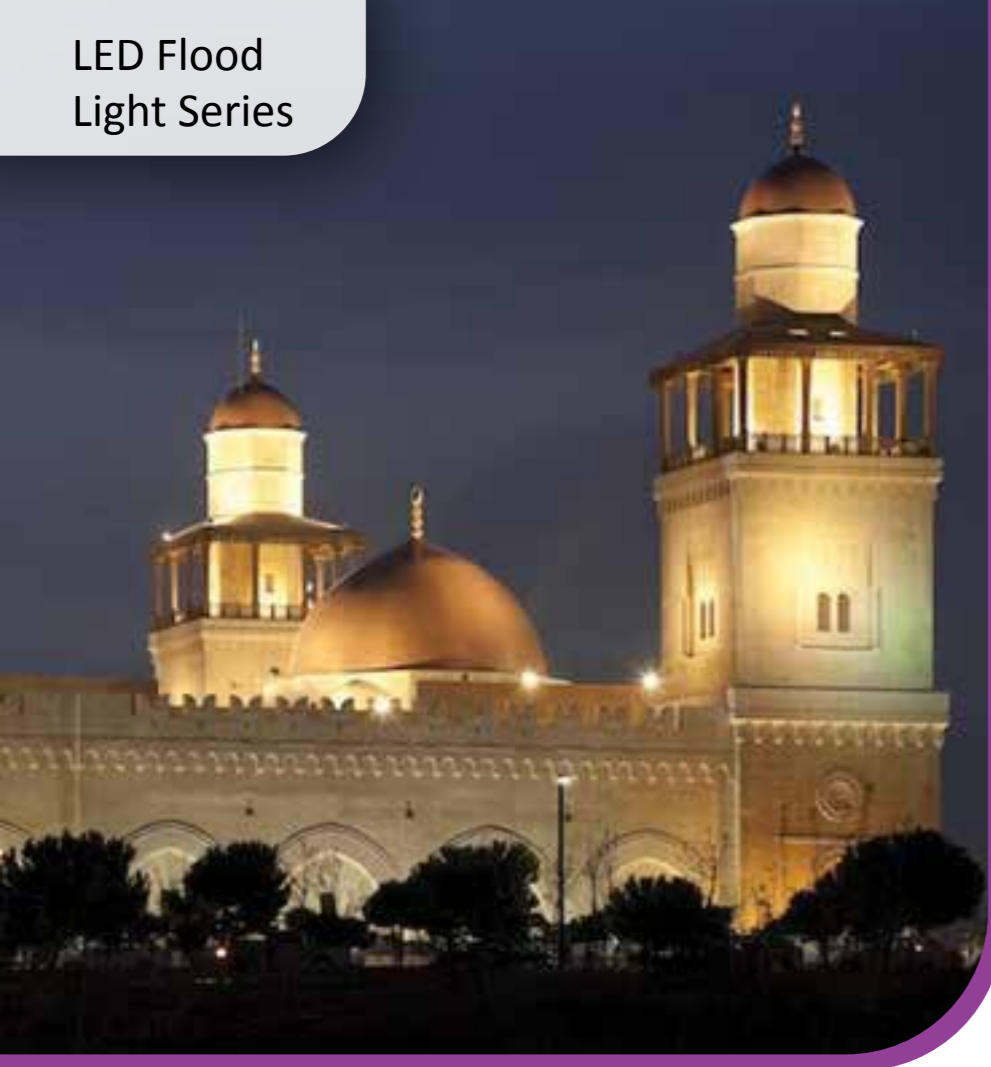
Why upgrade?

- Direct retrofitting compatibility
- Lower Wattage for same light output providing energy saving of 75% - 88%
- Reduce air conditioning energy consumption and avoid hot spots
- Less lamp replacement , less hassle and thus reduced maintenance cost

Application:

Indoor lighting at hotels, commercial centers and shops, museums, restaurants and homes.





Technical Specifications:

Model Code	Eco – FLD
Type of Lamp	LED Flood Light
Voltage (V)	220 - 240
Frequency (Hz)	50 / 60
Power Factor	≥60%
Beam Angle (°)	80
Color Rendering (Ra)	85

THD	↓ 20%
Operating Temperature (°C)	-20 - 45 C
Average Lifetime (hrs)	50,000
Certification	CE, Rohs

Model Number	Power	Lumen Output	Lamp Efficacy	Color Temperature	LED Cover
Eco –FLD1 - 20 W	20 W	2200 lm	110 lm/W	2700 K / 6800 K	Clear
Eco –FLD1 - 30 W	30 W	3300 lm	110 lm/W	2700 K / 6800 K	Clear
Eco –FLD1 - 50 W	50 W	5500 lm	110 lm/W	2700 K / 6800 K	Clear
Eco –FLD1 - 70 W	70 W	7700 lm	110 lm/W	2700 K / 6800 K	Clear
Eco –FLD1 - 100 W	100 W	11000 lm	110 lm/W	2700 K / 6800 K	Clear
Eco –FLD1 - 150 W	150 W	16500 lm	110 lm/W	2700 K / 6800 K	Clear
Eco –FLD1 - 200 W	200 W	22000 lm	110 lm/W	2700 K / 6800 K	Clear

Model Number	Power	Lumen Output	Lamp Efficacy	Color Temperature	LED Cover
Eco –FLD 2 - 20 W	20 W	2200 lm	110 lm/W	2700 K / 6800 K	Clear
Eco –FLD 2 - 30 W	30 W	3300 lm	110 lm/W	2700 K / 6800 K	Clear
Eco –FLD 2 - 50 W	50 W	5500 lm	110 lm/W	2700 K / 6800 K	Clear
Eco –FLD 2 - 70 W	70 W	7700 lm	110 lm/W	2700 K / 6800 K	Clear
Eco –FLD 2 - 100 W	100 W	11000 lm	110 lm/W	2700 K / 6800 K	Clear
Eco –FLD 2 - 150 W	150 W	16500 lm	110 lm/W	2700 K / 6800 K	Clear
Eco –FLD 2 - 180 W	180 W	19800 lm	110 lm/W	2700 K / 6800 K	Clear

Product Features:

LED flood lighting series with robust design, high effective heat sink made from die cast aluminum alloy to provide excellent heat dissipation and improve the life time of the LED chip and driver. The new reflector of this flood light provided better light distribution and lumen performance compared to the old design of LED flood light. The wide beam angle and high color rendering made it an excellent option for retrofitting the traditional flood lights.

Why upgrade?

- Energy saving of 35% - 75% if compared to other flood light alternatives.
- Instant light ON without delay.
- Easy installation.
- Attractive design and excellent light distribution.
- Extended life time which means less lamp replacement , less hassle and thus reduced maintenance cost.

Application:

Outdoor facades , plazas , yards, landscapes and tunnel lights.

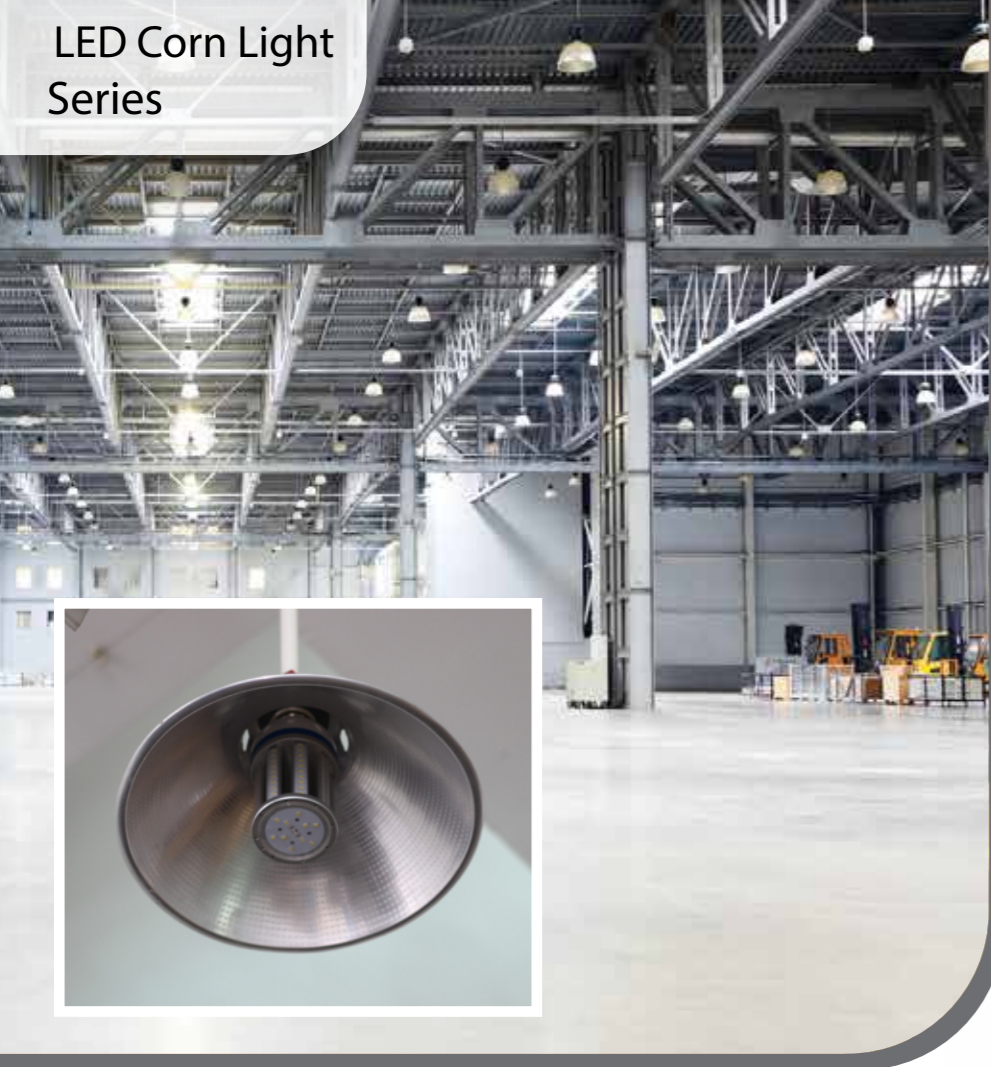


Eco –FLD 2



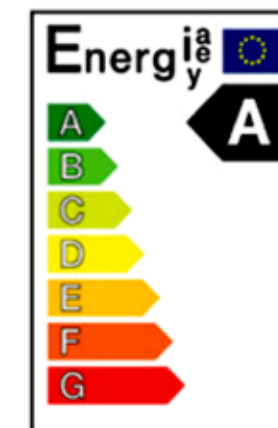
Eco –FLD 1





Technical Specifications:

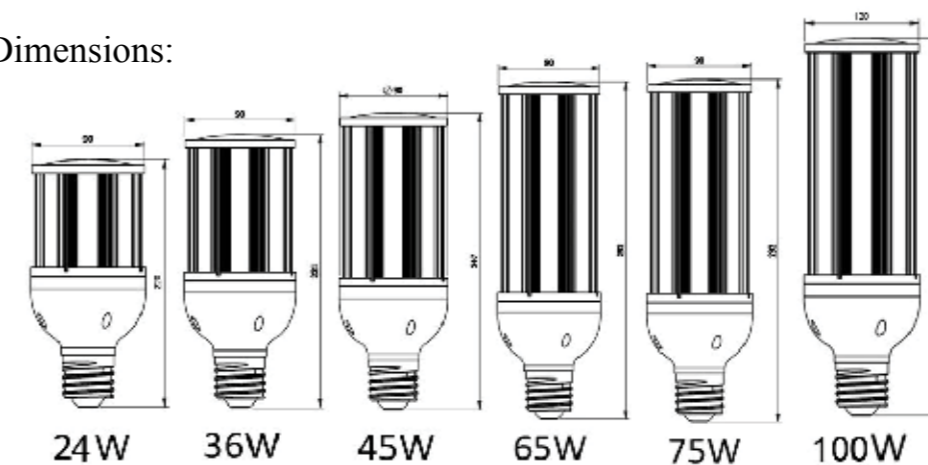
Model Code	Eco - CRN
Type of Lamp	LED CORN LIGHT
Base	E27 / E40
Voltage (V)	100 - 270
Frequency (Hz)	50 / 60
Power Factor	≥ 90%
Beam Angle (°)	360
Color Rendering (Ra)	>80



THD	↓ 20%
Operating Temperature (°C)	-20 - 45 C
Average Lifetime (hrs)	65,000
Certification	CE,Rohs

Model Number	Power	Lumen Output	Lamp Base	Color Temperature	IP Index
Eco – CRN - 24W	24 W	2640 lm	E 27	2700 K / 6500 K	IP 65
Eco – CRN - 36W	36 W	3960 lm	E 40	2700 K / 6500 K	IP 65
Eco – CRN - 45W	45 W	4950 lm	E 40	2700 K / 6500 K	IP 65
Eco – CRN - 65W	65 W	7150 lm	E 40	2700 K / 6500 K	IP 65
Eco – CRN - 75W	75 W	8250 lm	E 40	2700 K / 6500 K	IP 65
Eco – CRN - 100W	100 W	11000 lm	E 40	2700 K / 6500 K	IP 65

Physical Dimensions:



Product Features:

LED corn light is the state of the art LED technology for the heavy and harsh environment such as industries and other locations.

The LED corn light is provided with excellent heat sink covering all sides of the lamp and depends on natural convection as cooling method with no mechanical fan, this provides extended life time and more color stability over the lamp life time making this product as the perfect replacement of the high intensity discharge lamps (HID).

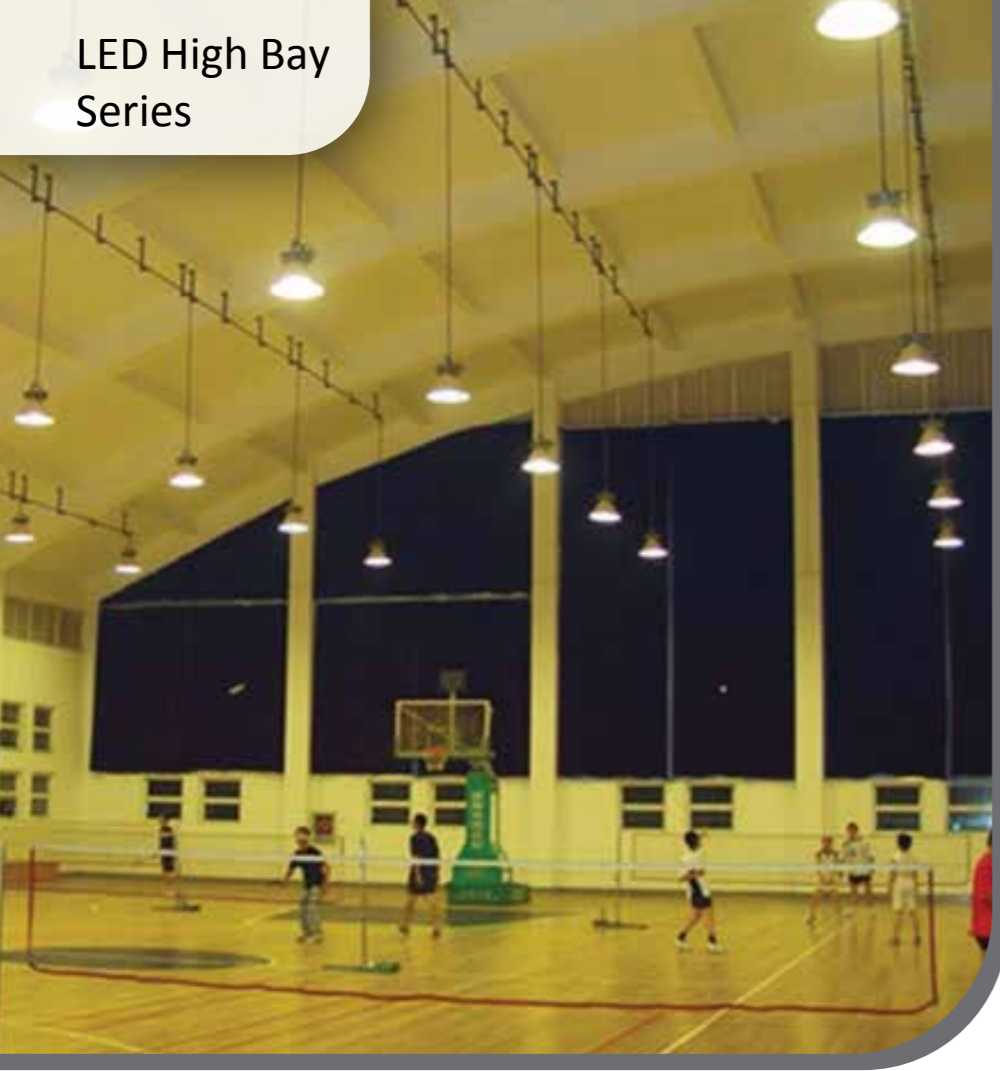
Why upgrade?

- 50-80% energy saving compared to the traditional HID lamps
- Easy and direct retrofitting
- Attractive design and excellent light distribution
- Extended life time which means less lamp replacement and lower maintenance cost.
- Color remains stable over the lamp life time
- Instant ON, no flicker and no noise
- Mercury Free (Rohs Compliant)

Application:

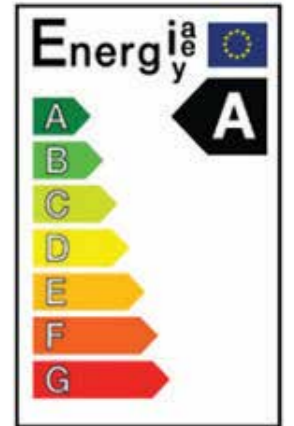
Industries , Gymnasium halls , indoor yards, malls and hypermarkets.





Technical Specifications:

Model Code	Eco – FLD
Type of Lamp	LED High Bay Light
Voltage (V)	220 - 240
Frequency (Hz)	50 / 60
Power Factor	≥ 60%
Beam Angle (°)	80
Color Rendering (Ra)	88



THD	↓ 20%
Operating Temperature (°C)	-20 - 45 C
Average Lifetime (hrs)	50,000
Certification	CE, Rohs

Model Number	Power	Lumen Output	Lamp Efficacy	Color Temperature
Eco –HB - 80 W	80 W	8800 lm	110 lm/W	2700 K / 6800 K
Eco –HB - 100 W	100 W	11000 lm	110 lm/W	2700 K / 6800 K
Eco –HB - 150 W	150 W	16500 lm	110 lm/W	2700 K / 6800 K
Eco –HB - 210 W	210 W	23100 lm	110 lm/W	2700 K / 6800 K

Product Features:

LED High Bay lamps comes with new robust design, the reflector is made from treated aluminum to ensure high reflectance efficiency and wide beam angle. The heat sink is made from die cast aluminum alloy providing excellent heat dissipation and protection to the LED chip and driver. The high color rendering of the LED chip provides better lighting performance and clearer view under luminaire.

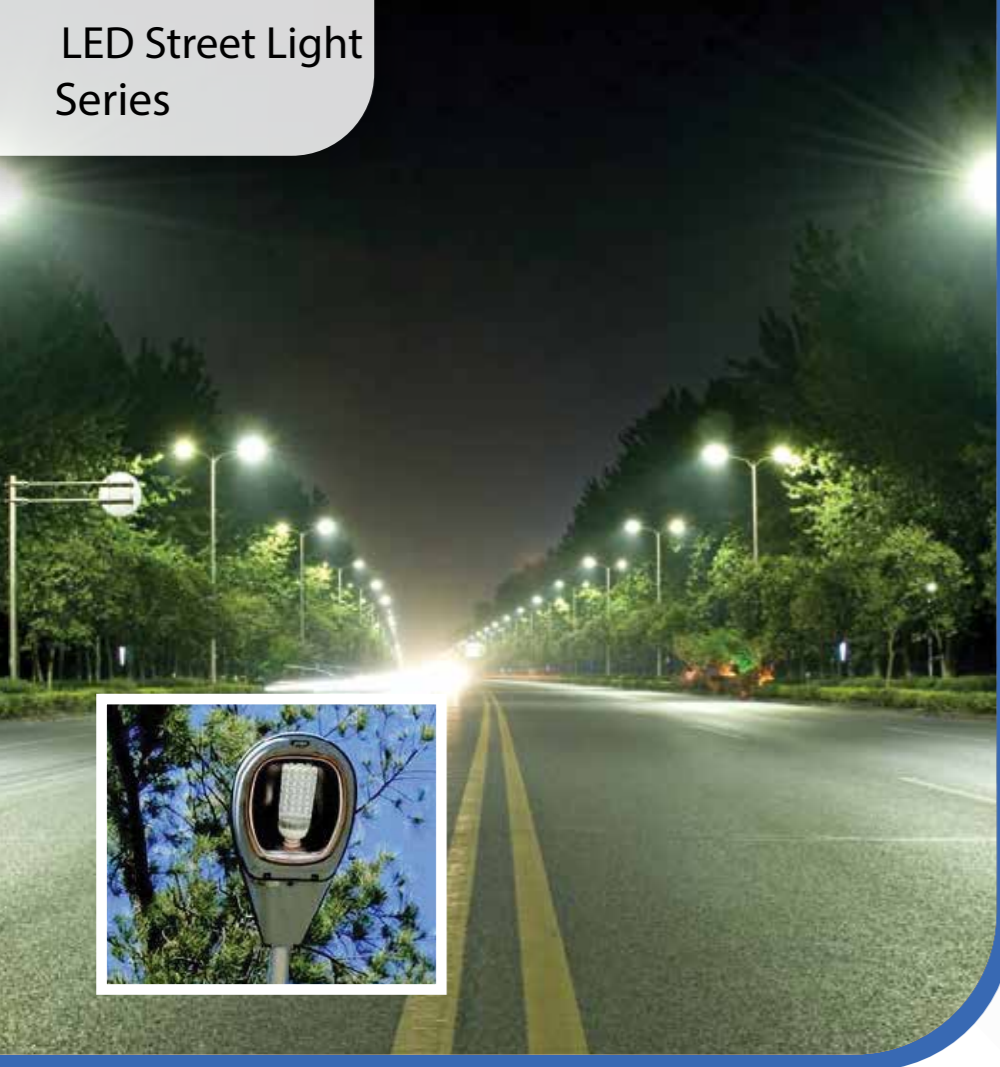
Why upgrade?

- Energy saving of 45% - 75% if compared to other high bay alternatives.
- Instant light ON without delay provides an opportunity to control the lamp operation by motion sensors in warehouses.
- Easy installation.
- Attractive design and excellent light distribution.
- Extended life time which means less lamp replacement , less hassle and thus reduced maintenance cost.

Application:

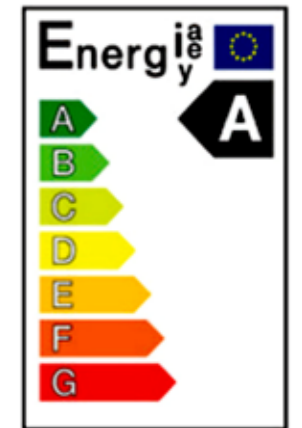
Industries, gymnasium halls, indoor yards, malls and hypermarkets.





Technical Specifications:

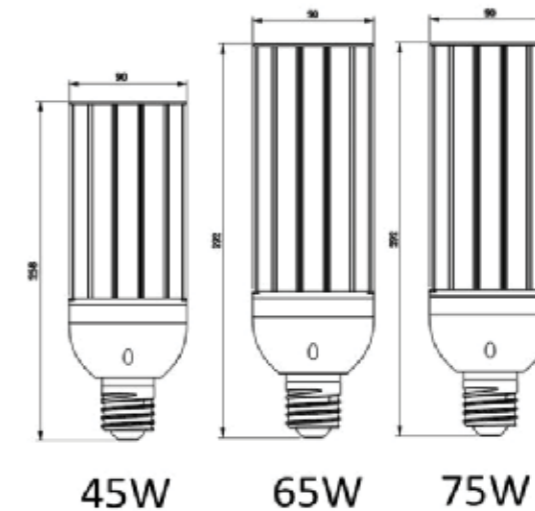
Model Code	Eco - CRNS
Type of Lamp	LED STREET LIGHT
Base	E40
Voltage (V)	100 - 270
Frequency (Hz)	50 / 60
Power Factor	≥ 90%
Beam Angle (°)	180
Color Rendering (Ra)	>80



THD	↓ 20%
Operating Temperature (°C)	-20 - 45 C
Average Lifetime (hrs)	65,000
Certification	CE,Rohs

Model Number	Power	Lumen Output	Lamp Base	Color Temperature	IP Index
Eco – CRNS - 45W	45 W	4950 lm	E 40	2700 K / 6500 K	IP 65
Eco – CRNS - 65W	65 W	7150 lm	E 40	2700 K / 6500 K	IP 65
Eco – CRNS - 75W	75 W	8250 lm	E 40	2700 K / 6500 K	IP 65

Physical Dimensions:



Product Features:

This LED street light is state of the art in the LED technology which is based on replacing the old lamp only with no need to replace the whole lighting fixture. This lamp provide illumination from the front side of the lamp while the back side of the lamp is hosting the heat sink. The integrated aluminum alloy heat sink provides excellent heat dissipation and protects the lamp from over heating which extends it life time. The additional features of this lamp provides extended life time and more color stability over the lamp life time making this product as the perfect replacement of the traditional street lamps or flood lights.

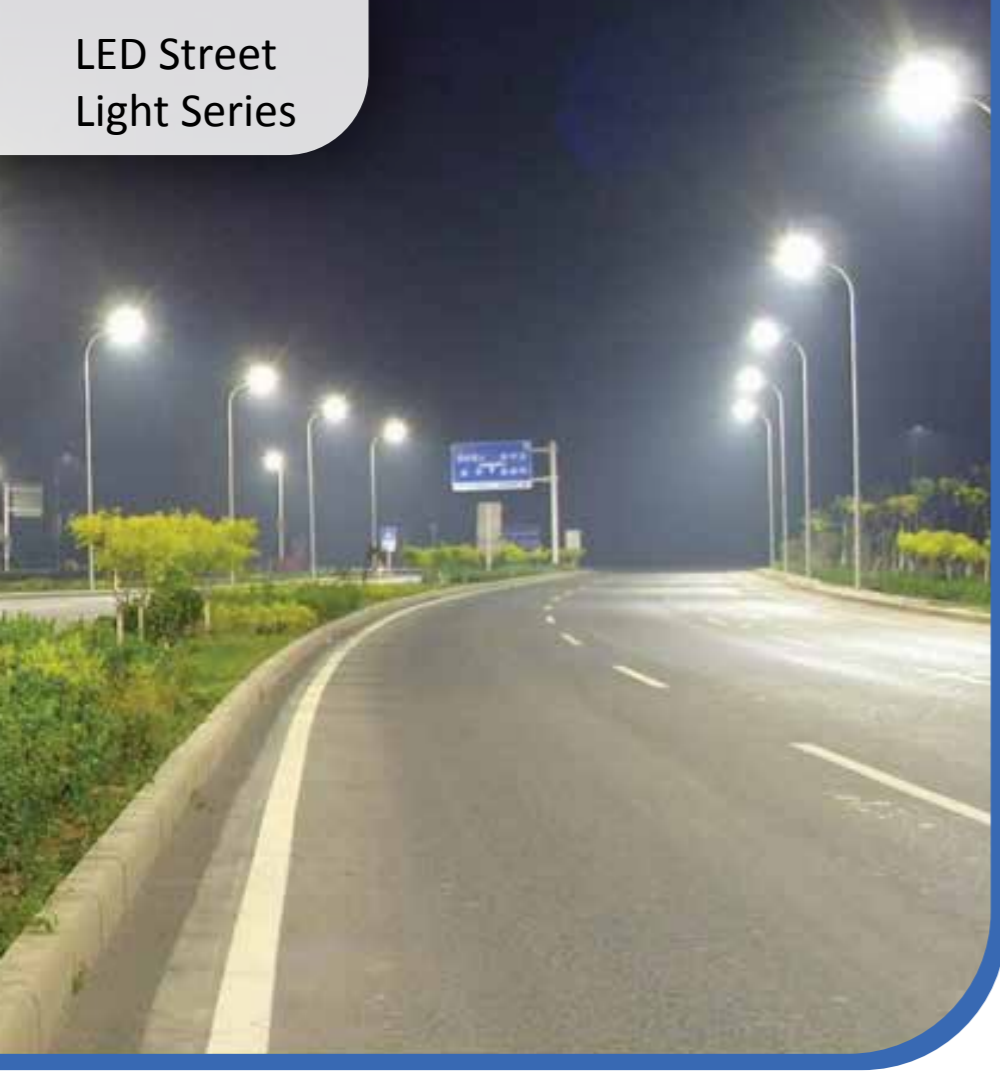
Why upgrade?

- Easy and direct retrofitting with no need to change the street light fixture
- Attractive design and excellent light distribution
- Extended life time which means less lamp replacement and lower maintenance cost.
- Color remains stable over the lamp life time
- Instant ON, no flicker and no noise
- Mercury Free (Rohs Complacent)

Application:

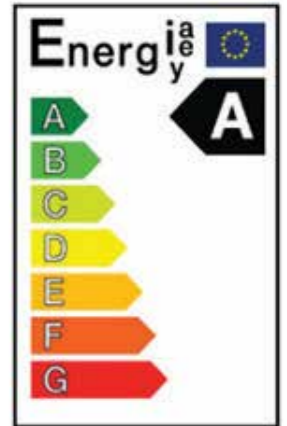
Street lighting, cross roads, plazas , landscapes and exterior walls and facades.





Technical Specifications:

Model Code	Eco – Panel
Type of Lamp	LED Street Light with External Driver
Voltage (V)	220 - 240
Frequency (Hz)	50 / 60
Power Factor	≥ 90%
Beam Angle (°)	160
Color Rendering (Ra)	93



THD	↓ 20%
Operating Temperature (°C)	-20 - 45 C
Average Lifetime (hrs)	50,000
Certification	CE, Rohs

Model Number	Power	Lumen Output	Lamp Efficacy	Color Temperature	Dimmable
Eco – Street Light	70 W	7700 lm	110 lm/W	3000 K / 6500 K	No

Effective illuminated area:

Height of Lamp	Effective Area	Maximum Light Level	Average Light Level
4 Meters	22 m X 10 m	115 Lux	33 Lux
6 Meters	28 m X 13 m	85 Lux	26 Lux
8 Meters	35 m X 15 m	53 Lux	16 Lux
10 Meters	42 m X 17 m	34 Lux	12 Lux

Product Features:

LED street lighting designed with high power LED chip to provide the desired lumen output with less energy consumption. The high color rendering of this luminaire provides clearer view at night and more safe roads. The chromatic reflector provides very wide beam angle and ensures light stability over long distances.

Why upgrade?

- High energy saving if compared to other street lighting alternatives.
- Instant light ON without delay.
- Direct and easy retrofitting.
- Attractive design and excellent light distribution.
- Extended life time which means less lamp replacement , less hassle and thus reduced maintenance cost.

Application:

Streets, cross roads, plazas and landscaping, exterior walls and facades.



Annex 1

Recommended Replacement and Retrofitting:

Existing Lamp		Recommended Replacement from Eco Lighting		
Type	Wattage	Product Family	Model Number	Wattage
Incandescent Lamp	100 W	LED U- Bulb	Eco – U Bulb 16 W	16 W
Incandescent Lamp	75 W	LED U- Bulb	Eco – U Bulb 12 W	12 W
Incandescent Lamp	60 W	LED U- Bulb	Eco – U Bulb 8 W	8 W
Energy Saving Lamp	23 W	LED U- Bulb	Eco – U Bulb 16 W	16 W
Energy Saving Lamp	18 W	LED U- Bulb	Eco – U Bulb 12 W	12 W
Energy Saving Lamp	13 W	LED U- Bulb	Eco – U Bulb 8 W	8 W
Halogen Spot Light	50 W	LED Spot Light	Eco – Spot 5 W	5W
Halogen Spot Light	35 W	LED Spot Light	Eco – Spot 4 W	4 W
T8 Fluorescent Lamp	36 W	LED Tube	Eco – Tube 1200	18 W
T8 Fluorescent Lamp	18 W	LED Tube	Eco – tube 600	8 W
Candle Light	65 W	LED Candle Light	Eco – CD 7 W	7 W
Candle Light	45 W	LED Candle Light	Eco – CD 5 W	5 W
Candle Light	25 W	LED Candle Light	Eco – CD 3 W	3 W
Compact Fluorescent Dow Light	2x26 W	LED Down Light	Eco – COB 30 W	30 W
Compact Fluorescent Dow Light	2 x18 W	LED Down Light	Eco – COB 20 W	20 W
Halogen Flood Light	2000 W	LED Flood Light	Eco – FLD 1 - 200 W	200 W
Halogen Flood Light	1000 W	LED Flood Light	Eco – FLD 1 – 100 W	100 W
Halogen Flood Light	500 W	LED Flood Light	Eco – FLD 1 – 50 W	50 W
Mercury Flood Light	400 W	LED Flood Light	Eco – FDL 1 – 150 W	150 W
Mercury Flood Light	250 W	LED Flood Light	Eco – FLD 1 – 100 W	100 W
Metal Halide Flood Light	400 W	LED Flood Light	Eco – FLD 1 – 200 W	200 W
Metal Halide Flood Light	250 W	LED Flood Light	Eco – FLD 1 – 150 W	150 W
High Pressure Sodium Flood	400 W	LED Flood Light	Eco – FLD 1 – 200 W	200 W
High Pressure Sodium Flood	250 W	LED Flood Light	Eco – FLD 1 – 150 W	150 W
High Bay with Mercury Lamp	400 W	LED High Bay	Eco – HB – 150 W	150 W
High Bay with Mercury Lamp	250 W	LED High Bay	Eco – HB – 100 W	100 W
High Bay with Mercury Lamp	125 W	LED High Bay	Eco – HB – 80 W	80 W
High Bay with MHD Lamp	400 W	LED High Bay	Eco – HB – 210 W	210 W
High Bay with MHD Lamp	250 W	LED High Bay	Eco – HB – 150 W	150 W



ECO LIGHTING

Amman - Jordan

Tel: +962 6 533 00 70

Fax: +962 6 533 06 68

P.O. Box 3984 Amman 11953 Jordan

Riyadh - Saudi Arabia

Tel.: +966 1 419 81 91 - 419 46 11

Fax: +966 1 419 32 11

P.O. Box 305540 Riyadh 11361 Saudi Arabia

www.ecosol-int.com