



UCD[®] Lighting System

(Ultra Constant Discharge Lamp)

ecoucdusa
Europe



New Light Source,
Power-Saving UCD Lamp



E-BOOK

KAI XEN
HOMEPAGE



www.ecoucdusa.com



UCD-Certification



New Excellent Product Cert"



Hi-Efficient Certification



CE Certification



UL Certification



PSE Certification



KC Certification



ISO 9001 Certification



Public procurement service



UCD Lighting is a professional manufacturer

International Patent / NEP / High-Efficiency certification
Road / Industry / In-Out door / Plants / military / special purpose
Research Institute/lighting simulation

ecoucdusa
Europe





◆ UCD Product Features

(International patent / NEP / High Efficient products)

Dual-lamp technology with dual structures

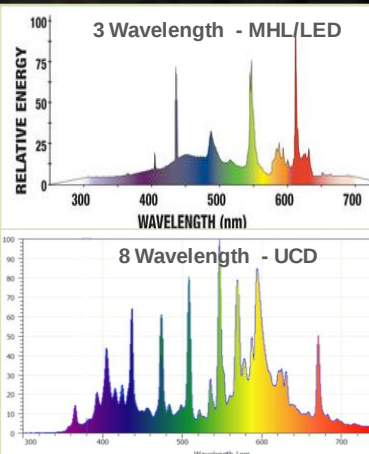
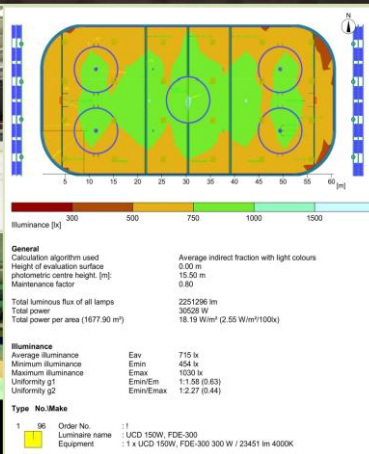
High-efficient lamp with re-ignition & instant lighting

8 wavelengths lamp of natural light as sunlight

Wide operating environment between $-35^{\circ}\text{C}\sim 65^{\circ}\text{C}$



Simulation of hockey arena in Russia



Int'l lighting fair in Hongkong



Promotion of UCD lighting in Europe



Promotion at Korean electric power corporation

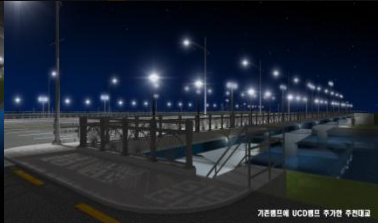
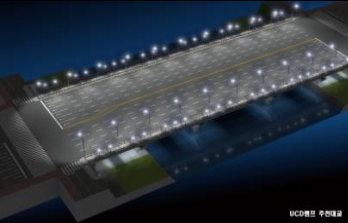
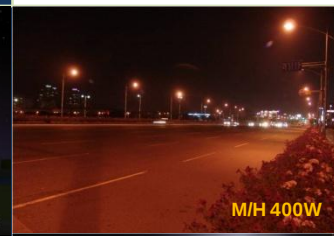


KC Certificate(Ballast/Lamp)



◆ Comparison of performance

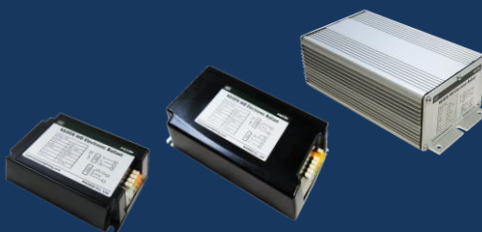
Item	Metal Halide	Electrodeless Fluorescent	CDM	LED	UCD	Main advantage UCD
Appearance						60% saving / efficiency / 8 wavelengths of natural light / long life
Power(W)	250W	200W	200W	180W	150W	While maintaining the existing illumination, it reduces over 60~80% in electricity & initial installation costs
Lifetime(Hour)	8,000	25,000	12,000	7,500	50,000	Less maintenance cost with doubled lifetime
Efficiency(lm/W)	68	70	80	75	111	World's highest efficiency
Color Rendering(Ra)	65 (2 Wavelength)	70 (3 Wavelength)	80 (3 Wavelength)	80 (3 Wavelength)	94 (8 Wavelength)	The best visibility with natural light of 8-wavelength
Luminous flux degradation	Fast	Fast	Normal	Fast	Slow	The best constant luminous flux
Assist Device	External Ballast (Magnetic)	External Ballast (Electronic)	Internal Ballast (Electronic)	Internal Converter (Electronic)	External Ballast (Electronic)	91% high efficiency and long lifetime with good quality parts
Maintenance	Parts replacement	Parts replacement	Parts replacement	Parts cannot be replaced	Parts replacement	Minimized maintenance costs by having standby bulb
Turn-on time	10 minutes	Instant turn-on	10 minutes	Instant turn-on	Instant turn-on	Suitable for in/outdoor applications and best for street, factory, plants..
Operating Temperature	-20°C~ 50°C	-15°C~45°C	-20°C~ 50°C	-20°C~40°C	-35°C~65°C	High efficient goods that can be used anywhere in the world



Street lighting Tirana in Albania



◆ UCD Lighting Specifications



1. Street Lighting
STA-100/150/250W
Casing Dimension
910x360x210 ø64(mm)
Weight : 8 / 8.7 kg IP65



2. Street Lighting
STB-70/100/150/250W
 Casing Dimension
 800x330x215 ø73(mm)
 Weight : 7.2 / 8 kg IP65



3. Street Lighting
STK-100/150/250W
Casing Dimension
650x350x210 ø60(mm)
Weight : 7.5 kg IP65



4.Security Lighting
SCA-50/70/100W
Casing Dimension
525x230x160 ø50(mm)
Weight : 3.4 kg IP65



5.Security Lighting
SCC-50/70/100W
Casing Dimension
595x295x180 ø60(mm)
Weight : 5.7 kg IP65



6.Security Lighting
SCD-50/70/100W
Casing Dimension
558x329x157 ø60(mm)
Weight : 5.5 kg IP65



7.Flood Lighting
FDA-50/70W
Casing Dimension
420x300x13(mm)
Weight : 4.5 Kg IP65



8.Flood Lighting
FDC-70/100/150W
FDD-100/150/250W
 Casing Dimension
 170x415x440(mm)/630x495x210(mm)
 Weight : 5.8 kg / 13.2 kg IP65



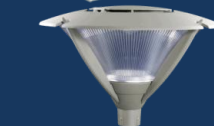
9.Flood Dual-Lighting
FDE-200/300/500W
Casing Dimension
435x555x170(mm)
Weight : 11 kg IP65



10. Spot Lighting
SPCA/SP/SK/SKB-70/100/150/250W
 Casing Dimension
 365x520(14")/405x520(16")/405x700(16")
 Weight : 3.5 / 2.5 / 4.2 / 4.7 kg



11. Spot Lighting
SPDA/C-70/100/150W
 Casing Dimension
 370x370x580/370x600x600(mm)
 Weight : 4.3 / 5 kg



12. Spot Lighting
SPO/SPOT/SPOC-70/100/150/250W
 Casing Dimension
 370x370x580/450x410x232(mm)
 Weight : 4.4 / 6.8 kg IP65



13. Spot Lighting
SPB/C-150/250/315W
Casing Dimension
370x295x210/450x410x232(mm)
Weight : 4.4 / 6.8 kg IP65



14. Garden Lighting
GD-70/100/150W
Casing Dimension
720x455 ø80(mm)
Weight : 8.7 / 9.5 kg



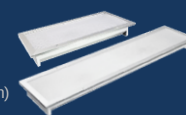
15. Tunnel Lighting
TNA/TNK-50/70/100/150W
Casing Dimension
334x305x165/430x320x230(mm)
Weight : 4.6 / 6.7 kg



16. Tunnel Lighting
TNB-60, 70/100/150W
Casing Dimension
487x325x135(mm)
Weight : 7.2 kg IP65



17. Industrial / Explosion Lighting
INDA/EXA-70, 100/150W
 Casing Dimension
 300x250 ø140 / 642x505x310(mm)
 Weight : 3.2 / 13.6 kg IP65



18. Indoor Lighting
RMOA/B-50/70, 100/140W
 Casing Dimension
 680x315x90 / 1300x315/90(mm)
 Weight : 3.7 / 7 kg IP65



19.Room & Office Lighting
IR6EG/IR10EG-50/70, 100/150W
 Casing Dimension
 180x190(6")/ 290x330(10")
 Weight : 1.5 / 2.5 kg



20.Room & Office Lighting
IR6E/IR8E-50/70, 70/100/W
Casing Dimension
180x190(6") / 190x265(8")
Weight : 1.2 / 1.5 kg

The collage displays a variety of international patents and certificates, including:

- UL/CE/PSE**: A certificate from the Underwriters Laboratories (UL) and the European Conformity (CE) and Philippine Standard (PSE) organizations.
- International Patent**: A patent document from the United States of America, featuring a red ribbon seal.
- CE Declaration of Conformity**: A certificate from the European Conformity (CE) organization, signed by the manufacturer.
- PSE Declaration of Conformity**: A certificate from the Philippine Standard (PSE) organization, signed by the manufacturer.
- I-Certification**: A certificate from the International Certification (I-Certification) organization, signed by the manufacturer.
- I-Trademark R**: A trademark certificate from the International Trademark (I-Trademark) organization, signed by the manufacturer.
- Other Certificates**: Various other international certificates, including a "CERTIFICATE OF CONFORMITY" from the United States of America, a "CERTIFICATE OF CONFORMITY" from the European Conformity (CE) organization, and a "CERTIFICATE OF CONFORMITY" from the Philippine Standard (PSE) organization.