



We are the best street light solution

Why Does  
The Little Prince  
Like Lamplighter  
The Most?

"When he lights his street lamp,  
it is as if he brought one more star to life, or one flower.  
When he puts out his lamp,  
he sends the flower or the star, to sleep.  
That is a beautiful occupation.  
And since it is beautiful, it is truly useful."

Excerpted from "The Little Prince"



**The Principle of DURi** Since the establishment on 1999, the DURi E&I has been a synonym for street light control solution. The street light control system, taking up significant role in the national electric power system network. DURi E&I has focused on three primary elements of safety, design, and green. These three core values has been stuck by the glue in the name of the most important principle, 'simplicity.'

**Year Established** 1999

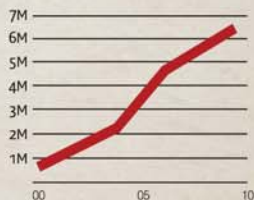
**Major Customers**

- Seoul Metropolis
- Busan Metropolis
- Incheon Metropolis
- Gyeonggi Province
- Samsung LED
- Korea Electric Power Corporation
- Hyundai Construction & Engineering
- SAPULICO(HCMC, Vietnam)
- HAPULICO(Hanoi, Vietnam)



**Annual Sales**

- FY2010 USD 7.0M
- FY2009 USD 7.7M
- FY2008 USD 4.8M



**Certification**

- KS (Korea Standard)
- Patent
- ISO9001
- V-Check
- GD (Good Design)
- GGGD (Gyeonggi Good Design)
- SGPD (Seoul Good Public Design)



Light For Showing

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## Waterproof Connection Box

The most commonly employed in industry obtaining safe and termination work through long distance in street lighting is the electrical connection inside a completely concealed box. DURI E&I has developed the MULTICON, a waterproof street-light connection box, offering the basic and safe electric system connection to customers. Now, the MULTICON providing convenience of easy connection as well as the excellence of waterproofing will offer the fundamental base to the street lighting system application.

### M Multicon CLASSIC



This most standard type of MULTICON proves the superior protecting against electric shock and interrupting against the ground fault taking advantage of built-in ELB. Ease of operation and test is provided with functions preventing operational errors caused by moisture&water content.

Phase/Wire System	Single Phase 2 Wires
Power Rating	AC220V, 50A
Type	ELB (LS)
Connecting Wire	CV 4~35mm <sup>2</sup>
Protection Grade	IP67

### M Multicon MINI



This tiny non-ELB type of MULTICON offers the most reasonable and convenient product selection for those places with tight spaces in availability of ELB connection at other locations of system network.

Phase/Wire System	Single Phase 2 Wires
Power Rating	AC220V, 50A
Type	non ELB
Connecting Wire	CV 4~35mm <sup>2</sup>
Protection Grade	IP67

### M Multicon AUTO



This most cutting-edge type of MULTICON, provided with protective & re-closing relay attached on PCB base, is a product maximizing the convenience of operator by providing the automatic re-closing of power supply system once the troubles are resolved.

Phase/Wire System	Single Phase 2 Wires
Power Rating	AC220V, 50A
Type	Auto-restoration by Relay
Connecting Wire	CV 4~35mm <sup>2</sup>
Protection Grade	IP67

#### DURI Invention 1

### D-UNIT (Branch Circuit Unit)

Perfect Insulation Performance  
High Dustproof Durability  
Easy Status Check  
Economic Busbar Connection



## Design Distribution Panelboard

Unlikely usual type of distribution panel, the panelboard for street lighting is frequently exposed to public and outdoor circumstance. Accordingly, the cabinet for street lighting needs to be elegantly designed in refined fashion and appearance suitable for the most current trend of modern cities emphasizing the beauty of public design. The fashionable design of DURI E&I's distribution cabinet has been highly appraised and proven in Korea.

### ACERO



ACERO is offered with proven luxurious design and high capacity, which has been frequently employed for the metropolitan cities and parks in Korea.

Voltage Rating	Single Phase 2 Wire - AC220V, 3 Phase 4 Wire - 220/380V
Current Rating	50A, 100A, 150A, 200A
Enclosure	Aluminum, Stainless Steel
Circuit Breaker	Main Circuit Breaker - MCCB / Branch Circuit Breaker - ELB
No. of Branch Circuits	2~10
Protection Grade	IP44

### NEOS II



NEOS II, the newly developed design model, allows creating the perfect space required to establish the advanced urban infrastructure for metropolitan cities, employing neat and minimized exterior.

Voltage Rating	Single Phase 2 Wire - AC220V, 3 Phase 4 Wire - 220/380V
Current Rating	50A, 100A, 150A, 200A
Enclosure	Aluminum
Circuit Breaker	Main Circuit Breaker - MCCB / Branch Circuit Breaker - ELB
No. of Branch Circuits	2~6
Protection Grade	IP44

### NANUMI



NANUMI employs the compact enclosure design maximizing space efficiency, which has got the best reputation in Korean market.

Voltage Rating	Single Phase 2 Wire - AC220V
Current Rating	50A, 100A
Enclosure	Aluminum, Stainless Steel
Circuit Breaker	Main Circuit Breaker - MCCB / Branch Circuit Breaker - ELB
No. of Branch Circuits	2~4
Protection Grade	IP44

#### DURI Invention 2

### D-CON (Street Light Controller)

Function Integrations  
Triple Safety Sensor Set  
4Ch / 2Ch / Timer  
Easy Timer Interface



## Wireless Control Solution

Monitoring and controlling the street lighting system by operator with convenience is an essential process at the highly modernized and civilized cities. DURI E&I offers the one-way or interactive street light control solution taking advantage of the most recent & advanced wireless communication technologies. DURI E&I employs the open & standardized protocol to avoid the waste of budget.



### VHF/UHF

Utilizing VHF/UHF wave range, DURI E&I offers the one-way VHF/UHF wireless remote control solution for controlling street lighting system. This system can be applied to the environments of various countries and cities, without any limitation, within a limited budget.

Band	VHF 222MHz / UHF 444KHz
A to B	Administrator to Cabinet
Distance	1km~25km radius
Type	One-way
Protocol	NA



### GSM/CDMA/ADSL

Utilizing GSM/CDMA/ADSL communication networks operated by the mobile and internet carriers of each country, DURI E&I offers the GSM/CDMA/ADSL interactive control solution for street light system, allowing the operator monitor the condition of each street light and identify the detail content & cause of trouble at a glance.

Band	GSM, CDMA 800MHz
A to B	Administrator to Cabinet
Distance	Anywhere GSM/CDMA/ADSL gets
Type	Interactive
Protocol	TCP/IP



### PLC/Zigbee/WiFi

DURI E&I offers another solutions allowing the short distance communication between the lighting pole and distribution cabinet. The condition of each lighting pole is to be monitored by the system allowing establishing the infrastructure for U-CITY project or smart grid system.

Band	WiFi, Zigbee 2.4GHz / PLC 132KHz, 115KHz
A to B	Cabinet to Light Pole
Distance	20m~100m radius
Type	Interactive
Protocol	Standardized LonWorks



#### DURI Invention 3

### ACERO AD (LED Outdoor Media)

Distribution Cabinet + Ad Panel  
Energy-saving LED BLU  
Outdoor Media for Public Usage  
Less Facilities, More Functions

