



# DIMKO

LIGHT CONTROL (DIM) SYSTEM

**IN COMPLIANCE WITH GENERAL  
LIGHTING REGULATIONS**

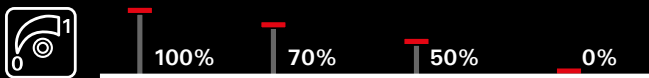
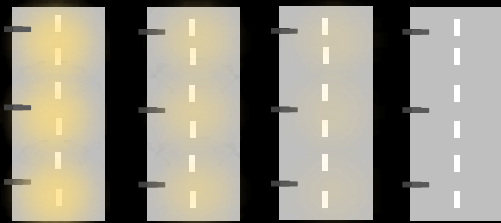
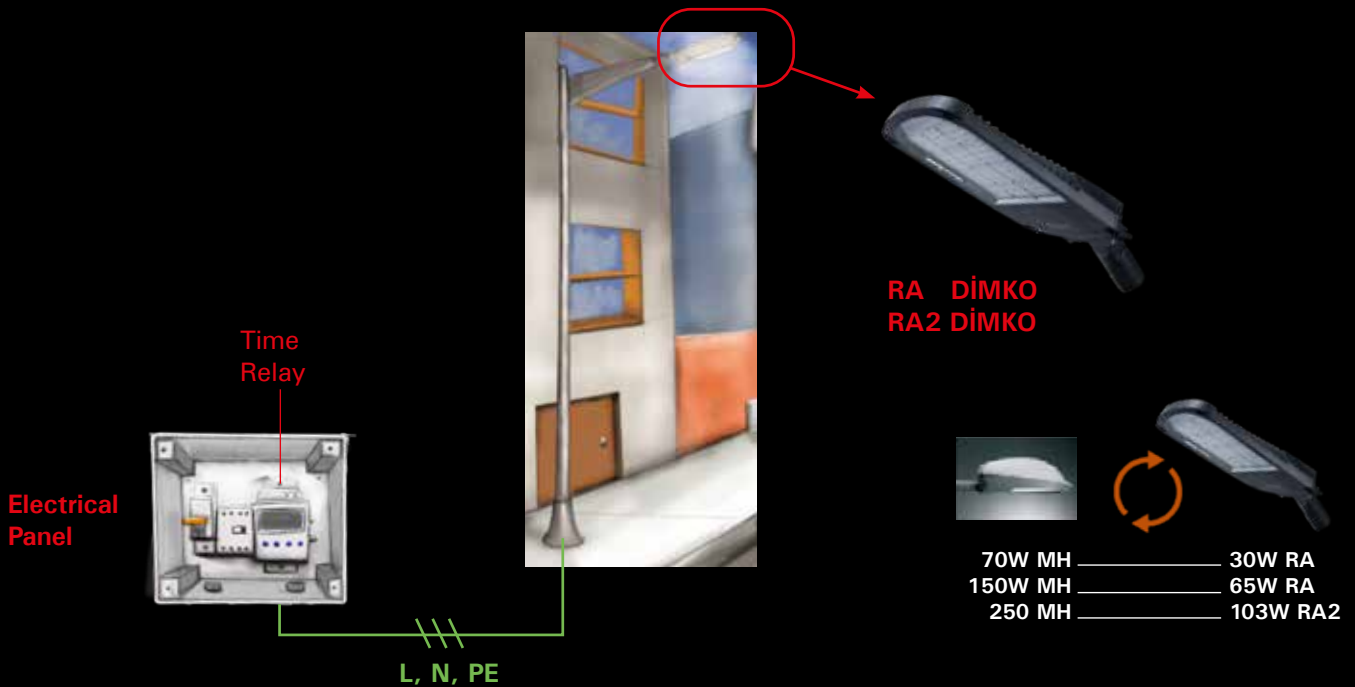


## Discover the effective and economical way of energy saving with DIMKO

Dimming the light source in a quick, cost-free and easily controlled way is no longer a dream with DIMKO...

DIMKO Dimming system developed by EAE lighting guarantees high energy savings with new facilities and simple infrastructure that works in harmony with existing systems. Allowing the time relay to be used as a signal generator, this system is based on a patented and reliable method in light dim control. No technical changes are needed in the lighting installation. It can be easily adapted to new systems and existing systems\* with LED lighting fixtures with DIMKO modules.

\*In order to have the DIMKO system feature in existing systems, 1-10V driver change is required.



### SAMPLE DIMKO SCENARIO

System turn on and off times can be set according to summer and winter months.



In our country, regulation for the existing lighting facilities and new facilities such as public areas such as parks, gardens, archaeological sites and walkways regarding the reduction of lighting levels by 50% after 02:00 a.m. at latest has come into force with the General Lighting Regulation issued in July 2013.



**NO ADDITIONAL WORKLOAD AND NO ADDITIONAL OPERATING COSTS!**

- Affordable compared to the Wireless Systems
- No Subscription Maintenance Costs: Dimming by wireless communication modules is overcosting and there are subscription and maintenance fees during use. Applications must be carried out by teams with technical competence. Compared to this, DIMKO is an uncomplicated, expert-free solution with no fixed-costs.



**NO WIRING AND EXCAVATION!**

DIMKO is suitable for direct installation in existing urban areas without the need for time-consuming and expensive canal excavations, which bring discomfort to residents in existing neighbourhood.



**HIGH ENERGY SAVING UP TO 81%**

Energy saving up to 81% can be achieved with DIMKO which starts from the time you specify. In addition, considering that there will be an extra 50% save compared to the existing system, since the change will occur with LED technology, savings will increase by another 50%.



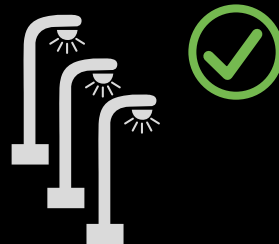
**SIMPLE PROGRAMMING**

It can be easily reprogrammed by technical personnel as soon as it is needed. In case that your lighting needs change, DIMKO can easily be reprogrammed in just 40 seconds to keep up with the need.



**NO NEED FOR AN EXPERT TEAM!**

Lighting control systems are often in a complex structure requiring expertise to be commissioned and operated. Commissioning is as easy and simple as setting up a smartphone's alarm thanks to DIMKO's effective design.



**USING WITH EXISTING INFRASTRUCTURE AND MASTS**

DIMKO does not require the replacement of existing fixtures and/or poles unless you wish. DIMKO kit can be easily fitted directly into the mast and into the armature section. If you wish, we are ready to offer our armatures for DIMKO.



PARK-GARDEN LIGHTING



ENVIRONMENTAL LIGHTING



ROAD & STREET LIGHTING

ENVIRONMENTAL LIGHTING ANALYSIS

1: 1 EXCHANGE COMPARISON TABLE



	55W SOX	30W RA
BULB POWER (WATTS)	55	30
DIMKO SAVING RATE*	-	25%
ANNUAL WORKING HOURS	4320	4320
TOTAL CONSUMPTION (KWH)	237.6	97.2
<b>ENERGY SAVING</b>		59%

\*DIMKO savings rate has been calculated according to the general lighting regulation by switching to 50% dim level after 02:00 at night.

ENVIRONMENTAL LIGHTING ANALYSIS

1: 1 EXCHANGE COMPARISON TABLE



	150W SODIUM	65W RA2
BULB POWER (WATTS)	150	65
DIMKO SAVING RATE*	-	25%
ANNUAL WORKING HOURS	4320	4320
TOTAL CONSUMPTION (KWH)	648.0	210.6
<b>ENERGY SAVING</b>		67%

\*DIMKO savings rate has been calculated according to the general lighting regulation by switching to 50% dim level after 02:00 at night.



# EAE DIMKO COMPATIBLE ITEMS



## RA

Optical : Wide-angled  
 Power : 25 W / 30 W / 45 W / 52 W  
 Lumen : 3550 lm / 3790 lm / 6240 lm / 6580 lm  
 Color Temp. : 4000K / 5000K / 5700K

### OPTIONS

Electronic Control : DALI, RF Control



## RA 2

Optical : Wide-angled  
 Power : 30 W / 53 W / 65 W / 85W /105 W  
 Lumen : 3750 lm / 6730 lm / 8400 lm / 31700 lm  
 Color Temp. :4000K / 5000K / 6500K

### OPTIONS

Electronic Control : DALI, RF Control



## RA 3

Optical : Opal diffuser  
 Power : 112 W / 136 W / 150W/ 160 W  
 Lumen : 15500 lm /17800 lm / 19700 lm / 20400 lm  
 Color Temp.: 4000K / 5000K / 6500K

### OPTIONS

Electronic Control : DALI, RF Control



## PB2 PB V.2

Optical : High efficiency opal diffuser  
 Power : 40 W / 64 W  
 Lumen : 4660 lm / 7145 lm  
 Color Temp. : 4000K / 5700K

### OPTIONS

DALI compatibility : Yes



## PROLIT PLUS

Optical : 16° / 22° / 27° / 32° / 52° / 57° / 98° / Asymmetrical  
 Power : 202 W / 270 W / 308 W / 341 W / 427 W  
 (16°) : 35560 lm / 40987 lm  
 (22°) (27°) : 45755 lm / 49980 lm / 55913 lm  
 (32°) (52°) : 48151 lm / 39554 lm  
 (57°) (98°) : 43425 lm / 48546 lm / 53678 lm  
 Asymmetric: 26310 lm / 34849 lm / 39936 lm  
 : 44863 lm / 48151 lm / 55000 lm  
 : 33433 lm / 38904 lm / 43531 lm / 47003 lm / 52000 lm  
 : 33303 lm / 39270 lm / 44560 lm / 47063 lm / 53000 lm  
 Color Temp. : 3000K / 4000K / 5700K / 6500K

### OPTIONS

DALI compatibility : Yes



## PROLIT V.3

Optical: 22° / 32° / 57° / Asymmetrical  
 Power : 102 W / 150 W / 176 W / 206 W  
 (22°) : 14879 lm / 19753 lm / 22585 lm / 25760 lm  
 (32°) : 14408 lm / 19298 lm / 21810 lm / 25166 lm  
 (57°) : 14616 lm / 19429 lm / 22090 lm / 25241 lm  
 (Asymmetrical) : 14347 lm / 19761 lm / 21842 lm / 25471 lm  
 Color Temp. : 3000K / 4000K / 5000K / 5700K / 6500K

### OPTIONS

DALI compatibility : Yes



## PROLIT KOMPAKT V.3

Optical : 16° / 27° / 35° / 52° / 60° / 90° / 98° / Asymmetrical  
 Power : 75 W (27°) / 75 W (52°) / 75 W (98°) / 75 W (AS) / 95 W (16°)  
 95 W (27°) / 95 W (52°) / 95 W (98°) / 95 W (AS)  
 Mid Power Led : 70 W (35°) / 70 W (60°) / 95 W (35°) / 95 W (35°) / 95 W (60°)  
 95 W (90°)  
 Lumen  
 Power Led : 7647 lm / 7474 lm / 7550 lm / 7371 lm / 11206 lm  
 10788 lm / 10881 lm / 10534 lm / 10231 lm  
 Mid Power Led : 7625 lm / 7810 lm / 10767 lm / 11366 lm / 11008 lm  
 Color Temp. : 3000K / 4000K / 5700K

### OPTIONS

DALI compatibility : Yes



## PROLIT-M PRM V2

Optical : 65 / 110 / asymmetrical lens / wide-angle lens  
 Power : 19 W / 30 W  
 Obtuse angle : 19 W / 30 W  
 65° : 43 W / 60 W  
 110° : 43 W / 60 W  
 Asymmetrical : 43 W / 60 W  
 Lumen  
 Obtuse angle : 2500 lm / 3810 lm  
 65° : 5639 lm / 7951 lm  
 110° : 5330 lm / 7026 lm  
 Asymmetrical : 4854 lm / 6592 lm  
 Color Temp. : 3000K / 4000K / 5000K / 6500K

### OPTIONS

DALI compatibility : Yes

\* Technical values have a tolerance of  $\pm 10\%$ .

**ZEYTİNYAYLA LOCALITY/ DENİZLİ / TURKEY**



**ARKTOS 123W**  
400 pcs  
60% Energy saving  
Project Year 2017  
In active use.

**MAKİNA İHTİSAS OSB / KOCAELİ / TURKEY**



**RA 2 103W**  
200 pcs  
65% Energy saving  
Project Year 2020  
To be commissioned.

**ULUDAĞ UNIVERSITY / BURSA**



**ARKTOS 106W/ PB2**  
63W  
52 pcs/ 6 pcs  
55% Energy saving  
Project Year 2019  
In active use.

**ŞAHİNBEY MUNICIPALITYNATURE PARK / GAZİANTEP**



**RA 2 103W**  
310 pcs  
65% Energy saving  
Project Year 2020  
In active use.

## EAE DIMKO References

AKDENİZ UNIVERSITY, COMMUNICATIONS FACULTY	Environmental Lighting	Antalya	2017
BAĞCILAR SQUARE LAYOUT AND UNDERGROUND CAR PARK	Environmental Lighting	Istanbul	2017
BAYRAMPAŞA MUNICIPALITY UNDERGROUND CAR PARK	Environmental Lighting	Istanbul	2017
BOSNIAN HEALTH PARK	Park & Garden	Konya	2018
EAE BUSBAR FACTORY GEBZE	Environmental Lighting	Kocaeli	2020 - 2018
ESER CHEMISTRY	Environmental Lighting	Istanbul	2017
KADIKÖY-MUNICIPALITY PARK & GARDENS	Environmental Lighting	Istanbul	2018
MERCEDES AKSARAY FACTORY	Environmental Lighting	Aksaray	2018
MESA MACHINERY FACTORY	Environmental Lighting	Konya	2017
REYSAŞ WAREHOUSE 11	Environmental Lighting	Kocaeli	2017
SEYDİSEHIR MUNICIPALITY LODGMENT PARK	Environmental Lighting	Konya	2017
SEYDİSEHIR MUNICIPALITY CAR PARK	Environmental Lighting	Konya	2017
SIEMENS LPCP GEBZE FACTORY	Environmental Lighting	Kocaeli	2017
ULUDAG UNIVERSITY	Environmental Lighting	Bursa	2019 - 2018
TEI TUSAŞ	Environmental Lighting	Ankara	2019
FORUM AYDIN	Environmental Lighting	Aydın	2018
ŞEHİTKAMİL MUNICIPALITY PARK & GARDENS	Park & Garden	Gaziantep	2018
ŞAHİNBEY MUNICIPALITY OF NATURE PARK	Park & Garden	Gaziantep	2019
DENİZLİ MUNICIPALITY PARK & GARDENS	Park & Garden	Denizli	2020
DENİZLİ MERKEZ EFENDİ PARK & GARDENS	Park & Garden	Denizli	2020



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EAE LIGHTING-Brochure DIMKO - EN - Update Date: 18.09. 2020  
EAE, is provided with the right to perform changes deemed necessary without notifying in advance.  
Please contact us for further information about products and details partaking in catalogue.



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**engineering the light**