



The Stand-Alone LED Dimming Solution



No Wireless Network Required

Simple, Easy to Deploy

- Saves power, saves money, quickly pays for itself
- Extends fixture life
- Advanced time/date algorithm auto-adjusts for daylight savings
- Just plug it in - will automatically synchronize to local time

Optional Features

- Factory preset dimming – no selector switch
- Constant all night dimming
- Adaptive lighting control with progressive intensities
- High voltage version for 312-530 VAC available

Bat Eye Technology



- Advanced light sensor, only reacts to sunlight
- Immune to LED and other artificial light
- No false activations (no cycling)
- May be oriented in any direction

Reduce Light Trespassing *with the Dimulator*



The information in this document is provided for informational use only and is subject to change without notice.

© 2020 by Sunrise Technologies, Inc. All rights reserved.



Patent #9210746

Unsurpassed construction, electrical, process, and environmental protections make this **Dimming Control** the highest grade twistlock photocontrol on the market today.

The stand-alone unit is made to work with the **ANSI C136.41** receptacle and will provide dimming of LED fixtures.

Dimming Photocontrol Electrical Information

Load Rating	1,000W/1,800 VA	15 Amp relay tested to 15,000 operations on maximum available LED or Induction load
Operating Temperature	-40°C to +70°C	(-40°F to +158°F)
Surge Protection	40,000 Amps	1520 Joule MOV protection
Power Consumption	<0.5 Watts	@ 120 V
Dimming Circuit	0-10 VDC - Class 1	Must be used with Dimmable LED Fixture
Dielectric Strength	5,000 Volts	Between current carrying parts

Dimming Photocontrol Mechanical Data

Bat Eye Technology	Blind to artificial light	<0.5% Drift over 10 Years
Printed Circuit Board	Moisture Repellant Glass Epoxy	0.35 Maximum Moisture
Cover	Durable Polypropylene	Field Proven Optimal Solution for Ultra Long Life
Base	Polycarbonate 140°C	UL94HB Flame Class Rating
Gasket	Neoprene	ASTM D 1056
Operating Light Levels	Turn-on: 1.5 FC, 1.5:1 Off/On Ration	+/- .25 FC, 3-5 Sec Turn-off Delay

Model Numbers

DIM4	105-305 VAC, 50/60 Hz with 10 position field adjustable selector switch
DIM4-HV	High Voltage 312-530 VAC, 50/60 Hz
DIM4-CD	Constant all-night Dimming
DIM4-CUL	120 VAC, 50/60 Hz, cUL certified version with grey cover
DIM4-ALC	Adaptive Lighting Control with 2% per year incremental increase to compensate for fixture aging
DIM3-XX	Factory set dimming schedule (10 position selector switch not available)

Note: All Dimulators (except for CD and DIM3 versions) have three selectable dimming levels (30%, 50%, 70%) with three different start times (10:00 pm, Midnight or 2:00 am) which are settable through the ten-position selector switch located on the bottom of the base. All dimming schedules will return to full brightness at 5:00 am.

The information in this document is provided for informational use only and is subject to change without notice.

© 2020 by Sunrise Technologies, Inc. All rights reserved.