

DCL[®]

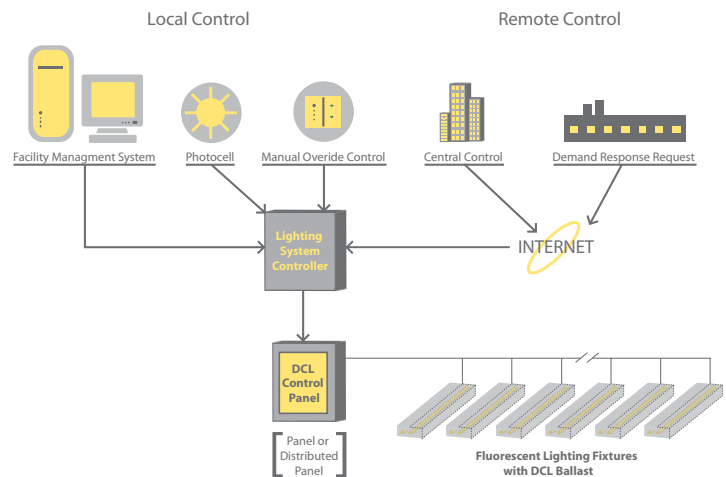
DCL[®] System Controls put you in command of your lighting energy costs.

Reduce lighting power levels by up to 50% through a variety of control options. Incorporate scheduling and load shedding lighting strategies to reduce peak demand charges.

Integrate DCL[®] controls with other lighting controls for additional savings from daylight harvesting to occupancy sensors. DCL[®] systems can be controlled from a local building management system or networked for control over the internet for demand response lighting control.

Features & Benefits

- **Reduces lighting power consumption by up to 50%**
 - Avoid high peak charges
 - Reduce demand costs
- **Gradual fade rate**
 - Changes are virtually undetectable
- **Use existing power connections to communicate to the ballasts**
 - No ballast control wires
- **Implement with various controls and systems**
 - BAS Systems
 - Photocells – daylight harvesting
 - Occupancy sensors
 - Contact Closure
 - Modbus versions available now
- **Allows participation with Demand Response Programs**



DCL[®] offers a unique **Energy Savings Opportunity**

When combined with Universal Lighting Technologies DEMANDflex[®] ballast DCL[®] offers an affordable lighting energy management system. By communicating over the existing power lines there is no need for expensive re-wiring of an existing building or the additional cost in new construction. DCL[®] is fully capable of local or remote control and can allow for manual circuit level overrides.

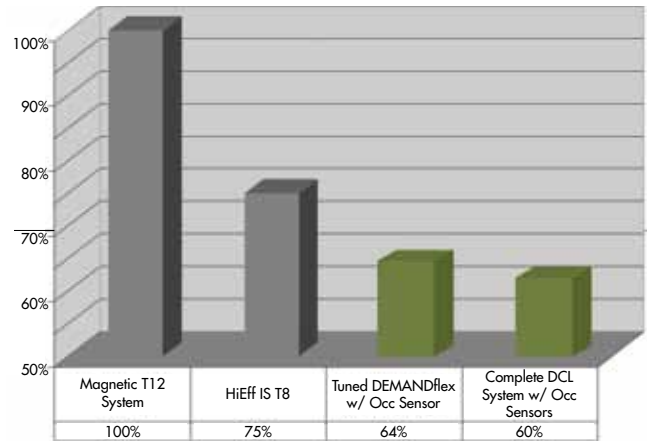
Demand response, daylight harvesting, daily schedules and many other control measures can be implemented with the DCL system. It can also be used with line-voltage controls, like occupancy sensors and toggle switches. And integration with others' control systems can be achieved with contact closures or with data connections. Application flexibility makes DCL ideal for your energy management needs.

DCL[®] Control System provides the lowest 5-Year Installed Cost

Comparing the total costs for materials, installation, and energy; a fully controlled DCL[®] system provides the lowest total ownership cost over a five-year time period. The DCL[®] system retrofit payback period is shorter than other options, typically under three years.

5-Year Cost of Ownership Comparison

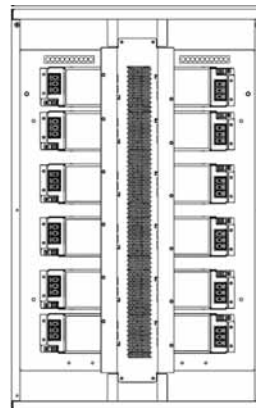
Existing Magnetic T12 System	100%
High Efficiency Instant Start T8	75%
Tuned DEMANDflex [®] with Occupancy Sensors	64%
Complete DCL with Occupancy Sensors	60%



When comparing a fully installed system, DCL[®] offers the greatest opportunity of energy and operational savings. This is accomplished through scheduling to mitigate your additional peak and Kwh charges. The DCL[®] system 5 year cost (total cost - install, components, and energy usage) is significantly lower than even a high efficiency instant start T8 system. This additional cost savings makes DCL[®] the best option for an energy management lighting system. For more information, contact DCL@unvlt.com.

DCL[®] Controls

Model	Description
IP12DCLUNV-xx**	Circuit Control Panel
SC20DCLUNV**	Single Circuit Controller
MC20DCLUNV**	Open Style Single Circuit Controller
RSMDCL51	Contact Interface Controller
WTDCL51 ^Δ	DCL Time Controller (NEMA 1)
WTDCL21 ^Δ	DCL Time Controller (Wall Mount)
WTPDCL51 ^Δ	Time/Photo Controller
WPS5527K	Photo Sensor for WTPDCL



IP12DCLUNV-xx
Circuit Control Panel

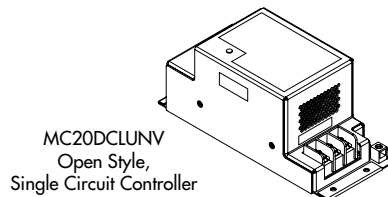
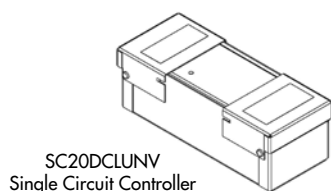
LP12DCLUNV-xx		
Dimensions		Mounting
Length	32"	24"
Width	20"	16"
Depth	4.3"	
The quantity of individual controllers installed is determined by the model number.		

xx = number of circuits (03 - 12)

* For additional lighting system controllers, contact Universal Lighting.

** Modbus versions of these controls are available.

^Δ Consult Universal for configuration options.



SC20DCLUNV		Mounting Pattern	
Dimensions		8.46	
Length	9.66"	X	X
Width	3.98"	1.50	2.50
Depth	3.21"	X	X

IT'S EASY TO REACH US...



Universal Lighting Technologies, Inc.
26 Century Blvd., Suite 500
Nashville, TN 37214-3683



General Info: (615) 316-5100
For Technical Engineering Services (TES),
application support and warranty information,
call 1-800-BALLAST



Website: www.unvlt.com
Email: webmaster@unvlt.com

All specification information is subject to change without notification.
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