

# L I G H T I N G

## NEWS

October 2006

### 28W DULUX® L SUPERSAVER® HIGH EFFICIENCY SYSTEMS

Direct Replacements for 40W T5 Lamps

6% System Energy Savings With Lamp Change

15% Energy Savings On QUICKTRONIC® QHE Ballasts

20,000 Hours Life at 12 Hours Per Start

### LINEARLIGHT POWER FLEX LED SYSTEMS

Three Times More Light Than LINEARlight FLEX

50,000 Hours Life

Flexible Linear Strip With Adhesive Backing

Ideal For Architectural Applications



SYLVANIA DULUX L SUPERSAVER lamps are 28-watt, high lumen, single-ended T5 twin-tube lamps that are direct, high-efficiency replacements for 40-watt lamps (for use on instant start, electronic ballasts). DULUX L SUPERSAVER lamps boast a lamp efficacy of up to 100 lumens per watt. A simple lamp replacement with SYLVANIA DULUX L SUPERSAVER lamps in a 3-lamp luminaire results in 6% energy savings while maintaining similar light levels. The lamps have a life of 20,000 hours at 12 hours per start. Their improved performance makes them ideal for lighting applications including 2x2 recessed coffers, indirect luminaires, and wallwash type luminaires.

In new construction applications, pair DULUX L SUPERSAVER lamps with QUICKTRONIC High Efficiency Instant Start DL energy saving electronic DULUX L 40W ballasts save 15% over 40W T5/standard electronic systems without compromising light output or lamp life. The system is covered by the comprehensive SYLVANIA QUICK 60+® warranty.

LINEARlight POWER FLEX LED modules offer exciting new possibilities for general illumination, as they feature three times the light output per foot of LINEARlight FLEX high output white (HOW2) LED modules and over seven times more light than economy white LEDs. LINEARlight POWER FLEX modules deliver over 150 lumens per foot. Their flexible LED substrate is well suited for curved applications and three-dimensional assemblies.

LINEARlight POWER FLEX modules consist of a 9.19 foot (120 LEDs) reel that can be field cut every 5.5 inches (6 LEDs) with scissors and conveniently affixed by a self-adhesive backing. They are optimally paired with 24V OPTOTRONIC power supplies, which have a minimum starting temperature of -20°F and may be remotely mounted. An entire reel may be operated on a single 75W power supply. With proper thermal management<sup>1</sup>, these LED systems achieve up to 50,000 hours life, making them ideal for architectural lighting and other applications where reduced lighting maintenance is desired.

<sup>1</sup> 50,000 hours when control point temperature (Tc) does not exceed 40°C. For best results, discuss specific application requirements with your commercial engineer.

#### PRODUCT COMPARISON

3-Lamp System	Input Watts (120 /277V)	Ballast Factor	Initial/ Mean System Lumens <sup>1</sup>	% Energy Savs.
GE 40W BIAx IS electronic	110	0.96	9072/ 8165	-----
SYLVANIA 28W DULUX L/SS QUICKTRONIC DL40 IS	103/ 102	1.10	9240/ 8316	6/7%
SYLVANIA 28W DULUX L/SS QUICKTRONIC QHE DL40 IS	95/ 94	1.07	8988/ 8089	14/15%

<sup>1</sup> 40w lamp – 3150 initial lumens; 28W lamp – 2800 initial lumens.

#### PRODUCT COMPARISON

Product	No. of LEDs	Length	Watts	Lms.	Lms./ft.
LINEARFLEXTOP/ OS/LM10A/W	600	27.5'	57.6	540	19.63
LINEARFLEXTOP/ OS/LM10A/HOW2	600	27.5'	86.4	1290	47
LINEARFLEXTOP/ LM10P/W3/865/9.19ft.	120	9.19'	72	1400	152

All values per module, except lumens/foot.