

**FREEZERS**



**REFRIGERATION**



**Vertical  
Refrigeration**  
LED Lighting System

Improve Merchandising

Reduce Maintenance

Save Energy



## RDL-Vertical Lighting System

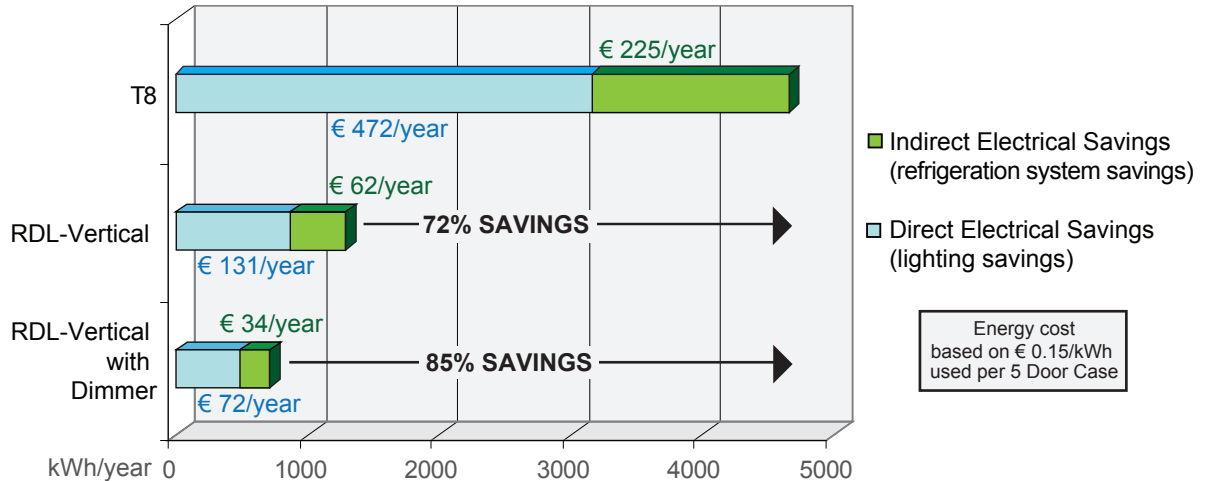
For years refrigeration lighting systems have posed a challenge for retailers to find alternate sources of illumination that will showcase products while reducing energy and maintenance costs. Spurred by recent advancements in LED technology, retailers globally have embraced solid state lighting as the future light source for illuminating products in reach-in refrigeration displays.

RDL-Vertical lighting system offers superior brightness and efficiency while setting new standards in refrigeration lighting systems:

- Increased product visibility (no visible light source)
- No wasted light in aisles
- Single power supply for up to 5-door case/cooler
- Uniform glare free illumination
- True white color enhances product display
- Up to 85% total electrical savings

SloanLED is an ISO 9001 certified manufacturer with over 50 years of lighting excellence. RDL-Vertical lighting system is an example of high quality and reliable products that SloanLED has built its reputation on.

## Save Energy and Maintenance Cost



RDL-Vertical lighting system, operating at 20 W per door, reduces the direct lighting energy for a 5-door case/cooler by 260 W, and the indirect energy (compressor system savings) by 124 W. That is a 72% savings over standard T8 fluorescent lighting!

***Adding the optional RDL-Dimming Control increases savings to as much as 85%!***

# RDL-Vertical Lighting System

- Bright illumination
- Average 20 W per door
- Non-visible light source
- SloanLED 5-year standard warranty
- Available in 1500 mm and 1675 mm lengths
- Additional Merchandising options:
  - MerchandiserMax for maximum illumination
  - Energy Saver
- CE approved

23 W  
15 W

## Merchandiser Option

Merchandiser Option	Item	Part Number	Color Temp (K)	Illuminance*	Life (Hours)	CRI (Nominal)	Power (W)	Length (mm)	Width (mm)	Height (mm)
MerchandiserMax	1500 mm LED Light Fixture - Ctr	701906-2	3500 4100 5000	1600**	50,000	75	23	1500	65	35
	1500 mm LED Light Fixture - End	701906-2-END	11.5				1500	45	35	
	1675 mm LED Light Fixture - Ctr	701906-2-66	3500 4100 5000	1600**	50,000	75	26	1675	65	35
	1675 mm LED Light Fixture - End	701906-2-66-END	13				1675	45	35	
Standard	1500 mm LED Light Fixture - Ctr	701906-2	3500 4100 5000	1400**	50,000	75	20	1500	65	35
	1500 mm LED Light Fixture - End	701906-2-END	10				1500	45	35	
	1675 mm LED Light Fixture - Ctr	701906-2-66	3500 4100 5000	1400**	50,000	75	23	1675	65	35
	1675 mm LED Light Fixture - End	701906-2-66-END	11.5				1675	45	35	
Energy Saver	1500 mm LED Light Fixture - Ctr	701906-2	3500 4100 5000	1050**	50,000	75	15	1500	65	35
	1500 mm LED Light Fixture - End	701906-2-END	7.5				1500	45	35	
	1675 mm LED Light Fixture - Ctr	701906-2-66	3500 4100 5000	1050**	50,000	75	17	1675	65	35
	1675 mm LED Light Fixture - End	701906-2-66-END	8.5				1675	45	35	

Note:  
SloanLED lists AC wattage to make estimating your energy output easier  
\* Initial Illuminance +/- 15% based on in-store performance  
\*\* Measured at center of door



## RDL-Dimming Control

Optional dimming control may increase total energy savings up to an additional 47% and extend standard LED Lumen depreciation from 50,000 hours to over 90,000 hours.\*



\*Based on independent utility studies

## RDL-Power Supply

RDL's low system power requires only a single power supply for a 5-door case/cooler, with efficiency >89%. CE, TUV approved



# RDL-Vertical Lighting System Saves You Money

	Feature	Metrics	T8 Fluorescent	RDL-Vertical Lighting System	with Dimming Control
Merchandising	Improved Visual Merchandising	Center of shelf (LUX)	600-800	1,400*	1,400*
		Distribution of light (Range / Mean) Uniformity of light	Not uniform (0.87) Medium	Uniform (0.22) High	Uniform (0.22) High
	Product Focus	Visibility of light source	Visible	Concealed	Concealed
Sustainability	Energy Savings based on a 5 door case	Power consumption 5 door case / W (AC)	360 W	100 W	55 W
		Refrigeration power consumption/ W (AC)	171 W	47	26
		% of Savings	N/A	72%	85%
		Annual reduction in energy/carbon foot print	0	3,364 kW h 1447 kg CO <sub>2</sub>	3,940 kW h 1694 kg CO <sub>2</sub>
	Cost of Ownership 5 door case/ @ .15 kWh	Annual maintenance cost	~€15- €35/door	~€0/ door/	~€0/ door/
		Total annual energy cost (direct/indirect)	€697	€195	€106
<b>Total Annual Savings</b>		<b>€0</b>	<b>€519 - €539</b>	<b>€606 - €626</b>	

\*Initial illuminance +/-15% based on in store performance

## We can all make a difference



- Reuse
- Reduce
- Recycle
- Rethink - **Retrofit**

SloanLED is an Energy Star Partner



SloanLED Europe b.v.  
Rotterdamsweg 388F  
2629 HG Delft  
The Netherlands  
Tel +31 (15) 3641569  
Fax +31 (84) 2297252  
europe@SloanLED.eu

