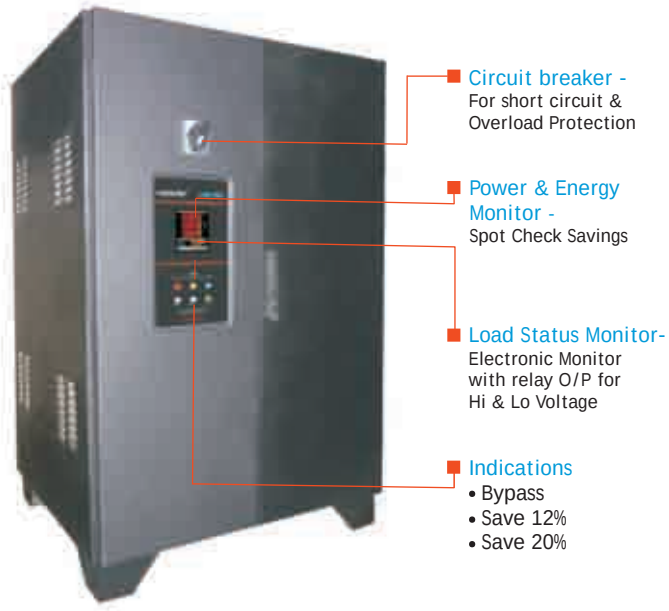
Conzerv Systems Pvt Ltd

CONZERV®
Smart Energy Management

cooLite™ - 150kVA to 400kVA

Lighting Energy Saver

Saves 10% to 20% in direct lighting energy consumption, runs lamps cooler when connected to the incomer of a lighting supply line for large area.



Benefits

- High energy savings on lighting loads- 10% to 20% direct savings
- Cooler lamp operation especially with all type of discharge lamps
- Filters harmonics injected to the line by electronic lighting ballasts and reduces spikes in lighting circuits
- Improves PF
- Enhanced lamp life and reduced maintenance cost - cooLite™ reduces the blackening of florescent lamps and colour shifting to orange in Metal halide lamps
- Reduced aircon costs - cooler lamp operation
- Reduction in maximum demand - reduced energy consumption
- Tax benefits for energy saving investments and 80% depreciation in the first year in India as per Section 32 of the Income Tax Act 1961

Check out your savings on the cooLite Savings Calculator on www.conzerv.com

Applications

Suitable for stabilized lighting circuits in :

- Shopping malls and large Commercial complexes
- Refineries, Textile and all Process industries
- Campus lighting in large industrial and commercial establishments
- Large Stadiums and auditoriums
- All major industrial facilities

Features

- User selectable settings to suit site conditions - % Energy savings - approx 12% & 20%
- Spot check savings with Power & Energy Monitor
- LED Load Status Monitors with alarm relay output for low & high voltage. No fused indicator bulbs to replace
- LED indications for Save and Bypass modes - easy identification of mode of running
- Short circuit and overload protection to lighting circuits, which often get overloaded as facilities expand
- Short circuit protection through fuses at the output side even in Bypass mode
- Manual bypass provision for breakdown isolation
- High quality modular type enclosure
- Copper bus bars of appropriate sizes for internal electrical connections

Models

Sl. No.	kVA	Overall Dimensions W x H x D mm	Floor Mounting Dimensions W x D mm	Weight kg approx
1	150	970 x 1300 x 830	880 x 740 (C/C distance of mounting holes)	325
2	200			400
3	250			460
4	300			510
5	400			600

Ordering

- Please fill up the cooLite order form printed overleaf and send completed order form to contact@conzerv.com or nearest conzerv office or our sales engineer.
- On receipt of your order form, our sales engineer will visit your site and conduct a site survey to determine the cooLite model that best fits your application.
- Based on the survey and your confirmed order, you will receive the factory order acknowledgment confirming the delivery date, delivery is typically 6 weeks from receipt of your confirmed order.

cooLite™ Order Form

Fill this form or on our website www.conzerv.com or contact the nearest Conzerv office.
(refer our website for contact details). This order form covers up to 4 models of cooLite™

1. Customer contact

Name*	
Designation*	
Organization*	
Country*	
E-mail *	
Phone*	
Fax	

Address* : Or attach business card

2.cooLite™ Requirements

Power Source	☐ Self generated	☐ E.B./Other sources	
Dedicated Supply line for lighting	☐ Yes	☐ No	
Note: Dedicated line for lighting load is a must to install and use cooLite™			
Line Voltage volts*	Minimum	Average	Maximum
Lighting supply* Stabilized	☐ UPS	☐ OLTC	
	☐ Stabilizer	☐ None	
Recommended line voltage: 240 (220 to 260)V LN,1Ph : 415 (380 to 450) VLL,3Ph Note: Indicated savings are directly proportional to the stabilized voltage supply			
Other loads connected to the circuit if any			
Note: Only occasional Fans and Window air conditioners are allowed in the circuit, not exceeding 5% of lamp load			
	Lighting line*	Main line	
Power factor*			
Present Harmonic Levels % THD			
Input for saving Calculation			
	Self generated	E.B./Other Sources	
Power tariff *			
	No. of hrs per day	No. of working days per year	
Average lighting usage *			

3.cooLite™ Modelwise loading

Total lamp load to calculate payback*

Lamp type	
Incandescent	
Fluorescent - conventional choke	
Fluorescent - electronic choke	
Metal halide	
Sodium / Mercury Vapour	
Others	
Grand Total kW	
Lighting load operating in air conditioned area	

Note: If lighting load is operating in air conditioned area there will be an additional indirect savings of 12 to 15% from cooLite™ due to reduced power consumption by AC.

Sl.No.	Lighting panel		1 Ph /3 Ph	Max load current A			Total kVA
	Main	Distri		L1	L2	L3	
1.	☐	☐					
2.	☐	☐					
3.	☐	☐					
4.	☐	☐					

Note: Balanced load ensures better savings from cooLite™

- Measure the load current within 5 minutes after switching ON the entire lamps

* Mandatory field

4.Model selection table

Sl. No.	Product	Phase	kVA					Online power & energy monitor	Usage	Mounting	Qty.
	CL - cooLite	3 - 3 Ph	150	200	250	300	400	L - EM 6400	I - Indoor	F - Floor	
1	CL	3						L	I	F	
2	CL	3						L	I	F	
3	CL	3						L	I	F	
4	CL	3						L	I	F	

Note : Bottom cable entry is the standard feature. For top cable entry please specify while ordering

Date: Customer Representative

Con\cooLite HR\0708d0.04\V2