



THE FIRST CHOICE OF ENERGY EFFICIENCY

ELCO 825 SERIES LIGHTING CAPACITOR

Most of the power distribution authorities have a requirement of high power factor for lighting fittings of generally 0.85 to 0.90 minimum.

A typical Fluorescent circuit without power factor correction has an inherent low power factor (around 0.4 to 0.5), due to the control gear inductance. This inductance is in the circuit to stabilize the pulsation of the current passing through the lamp. As in the case of lighting fittings where many lamps are used, high input current is recorded thus high cost of electricity.

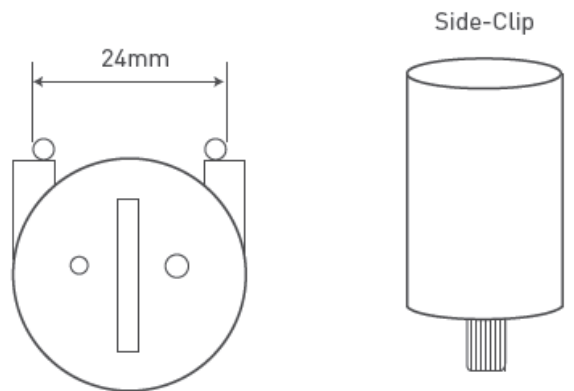
The inclusion of a Capacitor which has an opposite effect of an inductor can raise the power factor and reduce the current drawn from the mains. This will result in savings in electricity cost and equipment cost in terms of reduction in copper and transformer size.

TECHNICAL SPECIFICATION

Construction	Plastic Case	
Type	Dry, self-healing	
Dielectric	Bi-axially oriented polypropylene	
Applications	Parallel Lighting Compensation	
Rated Voltage (Un)	240/250 Vac	
Rated Frequency (Fn)	50Hz / 60Hz	
Capacitance Tolerance	±10%	±10% / -0%
Temperature rating	-25°C to +85°C	
Dissipation Factor	$Tg\delta \leq 30 \times 10^{-4}$	
Case Material	Plastic self-extinguishing according to UI94 Standard	
Terminals	Standard - Flying leads 200mm length Optional - BJB Capacitor Connector	
Fixing / Screw Torque	Side Clip and/or M8 Stud / < 4Nm	
Discharge Resistor	Yes	
Safety Protection Class	IEC61048 : 2006 (Safety) / IEC61049 : 1991 (Performance)	
RoHS Compliance	Yes	
Declaration	(a) The capacitor type 825 Series does not contain any substance associated with PCB	
	(b) It does not contain substance which is liquid at (tc + 10°C) = 95°C	



PRODUCT DIMENSION



Stud M8 X 10mm

PRODUCT INFORMATION - 825 SERIES LIGHTING CAPACITOR

Product Code	µf	Voltage	Pieces Per Box	Can Dimension [OD ±1.0]mm x [H ±2.0]mm
825*ELCO0020	2.00	240/250	130	30 x 58
825*ELCO0025	2.50	240/250	130	30 x 58
825*ELCO0030	3.00	240/250	130	30 x 58
825*ELCO0032	3.25	240/250	130	30 x 58
825*ELCO0034	3.40	240/250	130	30 x 58
825*ELCO0035	3.50	240/250	130	30 x 58
825*ELCO0040	4.00	240/250	130	30 x 58
825*ELCO0045	4.50	240/250	130	30 x 58
825*ELCO0050	5.00	240/250	130	30 x 58
825*ELCO0055	5.50	240/250	130	30 x 58
825*ELCO0060	6.00	240/250	100	35 x 58
825*ELCO0065	6.50	240/250	100	35 x 58
825*ELCO0070	7.00	240/250	100	35 x 58
825*ELCO0075	7.50	240/250	100	35 x 58
825*ELCO0080	8.00	240/250	100	35 x 58
825*ELCO0084	8.40	240/250	100	35 x 58
825*ELCO0090	9.00	240/250	100	35 x 58
825*ELCO0100	10.00	240/250	100	35 x 58
825*ELCO0115	11.50	240/250	85	35 x 75
825*ELCO0120	12.00	240/250	85	35 x 75
825*ELCO0125	12.50	240/250	50	40 x 75
825*ELCO0130	13.00	240/250	50	40 x 75
825*ELCO0140	14.00	240/250	50	40 x 75
825*ELCO0150	15.00	240/250	50	40 x 75
825*ELCO0160	16.00	240/250	50	40 x 75
825*ELCO0180	18.00	240/250	50	40 x 75
825*ELCO0200	20.00	240/250	50	40 x 75
825*ELCO0220	22.00	240/250	40.0	45 x 95
825*ELCO0250	25.00	240/250	40.0	45 x 95
825*ELCO0300	30.00	240/250	40.0	45 x 95
825*ELCO0320	32.00	240/250	40.0	45 x 95
825*ELCO0350	35.00	240/250	40.0	45 x 95
825*ELCO0400	40.00	240/250	35.0	50 x 95
825*ELCO0450	45.00	240/250	35.0	50 x 95

* N for capacitance tolerance ±10%; P for +10% / - 0%