



Case study for Fit it, Lit it, Forget it experience

Cost saving arising out of customized work undertaken by Kratu Energy

Sr No	Description	Details	Additional details	
1	Company details	A 700 acres residential complex society in Pune		
2	Location	Pune		
3	Problems faced by the Company	Added to frequent lamp replacement thereby occupying its maintenance team, the Company faced higher electricity consumption & inadequate illumination.		
4	Objective	Based on the above feedback, a study was undertaken by for about 2 days to: 1. explore a possibility to reduce energy consumption by modifying current 25w CFL PL tubes (9w x 2) using our customized LED modules. 2. reduce lamp replacements which was causing a higher replacement/ maintenance cost. 3. To ensure that the present illumination is increased by say 50%		
5	Usage details	The light fittings were used in common passage area illuminate the lift lobby/ passages & work for 365 days x 12 hours		
6	Solution provided	a) A proof of concept was provided in 10 days for an initial trial of 15 days. b) The POC was a 11w Retrofitted LED module within the existing housing of the passage lamp. c) Higher illumination is available with NIL re-lamping since Oct-2015. d) The illumination increased from 30 Lux to 45 Lux.		
7	Warranty	While the warranty was for 36 months after installation, not a single LED failure is reported in last 56 months.		
8	Financial benefit of the entire work to the township till 16 th Oct 2020	No	Description	All fittings
		1	Capex	Rs.14.30 L
		2	Saving till date (Units)	688,000 units
		3	Saving till date (Amount)	Rs.68,80,000/- +
		4	Payback period	12 months
9	a) Your organization or residential complex may be able to experience similar savings. b) Further details can be explained during personal discussions. c) Awaiting for an opportunity to visit you for discussions. d) This information is verifiable. The reference can be provided upon a sufficient progress.			
10	Disclaimer: The above results are obtained for the clients in their setup. The actual results will vary from Customer to Customer & will be driven by actual operating parameters.			