

Branded Kids Retail Store – LED Lighting

One for one replacement of 35w MH lamps with 20W LED Spotlight and 50w Halogen downlight with 6w MasterLED (Philips GU10) LED lamps- Retail Store

75% ENERGY SAVINGS

Details:

Store Retrofit using LED, to achieve Energy cost savings under Eskom SPP. Single recessed LED Spots (20w) replace Metal Halide fittings (35w) and recessed single fitting-Halogen downlights (50w) replaced with MasterLED 6w GU10 LED.

3000k Colour temperature used on light sources to enhance the CRI with a mix of Narrow and medium beam angles;

Client Brief: Light (Lux) levels were to be improved in the Retail store when retrofitting Metal Halide and Halogen lamps with LED solution- > than 60% savings to be achieved in this Retail application.

Benefits:

Large energy savings: Instant >75% energy savings

Reduced Maintenance costs: the lamp life increases from 4000 hrs to 40 000hrs resulting in reduced disturbances to high traffic retail area.

Low heat production: Low heat emissions help to reduce air conditioning consumption

Specific connected load: Achieved <24w/m² specific connected load; beating landlords required shop fitting design specifications

CO² Emissions: Reduced CO² emissions by approximately 2.2 tonnes per year from this retail trading floor

<16 month payback / >50% reduction in power/ 2.2 tonnes annual CO² savings *equiv*