

Architectural Façade illumination—Complete LED Lighting Design

Design and installation of 70w and 40w LED RGB Flood lights using a combination of 40 degree & 10 degree beam angle- Creating a “Curtain of light”

18,5 Million colour palatte to choose from



Details:

Client Brief: Design & installation of an RGB architectural legacy project as part of the Philips C2C (Cairo 2 Cape Town roadshow) 55% savings to be achieved over traditional Light sources used. Specific connected load needed to be reduced to meet landlord's specifications.

Heritage building illumination designed such that no LED fixture touches the >200 year old building. Enhanced attractiveness of building creating a nighttime feature while achieving Energy cost savings. Main Wall and entrance tower illuminated using 2x 20D & 5x 40D RGB LED Floods , while bastions have 10x 10D RGB floods creating dynamic “curtain feature”.

Bespoke light shows with various wall wash, chasing rainbow, sparkle effects and a palette to choose from of 18,5 million colours;

Benefits:

Large energy savings: Instant >50% energy savings

Reduced Maintenance costs: the lamp life increases from 4000 hrs to 75 000hrs resulting in reduced maintenance costs.

Enhance security and Robust : Architectural illumination enhances security of building as well as a “fit & forget” LED product with IP65 rating and vandal proof fixtures.

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Dynamic RGB light shows: Bespoke lighting show designs using CK Color Play3 authored software programme. Value add to marketing of COGH as tourist destination

CO² Emissions: Reduced CO² emissions by approximately 5.9 tonnes per year over traditional light sources used

<30 month payback / 50% reduction in power/ 5.9 tonnes annual CO² savings equiv