



Bay West Mall, Nelson Mandela Bay Port Elizabeth, South Africa

Case Study



Information

Client: Solid State Lighting International

Location: Baywest Mall, Nelson Mandela Bay - Port Elizabeth, South Africa.

Products Used: MaxiPunch Static

Technology



Power Input:
220 - 240 VAC



Watts:
12W per fitting.



Light Source:
CREE White LED's
2700K, 3500K, and 6500K



Light Output:
800 lumens per luminaire with
clear lens at 6500K.



Optics:
15°, 25°, 40°, and 170° (no lens).



IK Rating:
IK10 Rating



Environment:
Dry, damp and wet locations
(IP68).



Protection:
Thermal Safety cut out at 70°C
(158°F)



Listings:
CE.



Installation:
Available in :
Flush surface mounted base
Adjustable wall mount bracket
Recessed with sleeve



Lumen Maintenance:
L70 predicted life of 57,500 hours.

Background

Bay West Mall was completed in mid 2015 and is conveniently situated alongside the N2 freeway into Port Elizabeth's western suburbs. It is the Eastern Cape's one and only destination center merging the likes of food, fashion and family fun in a safe and modern precinct that boasts a wide variety of national and international brands over 90 000 square meters of GLA.

Bay West Mall held a competition for a legacy art piece to enhance the newly developed precinct and selected Westraad winning bid as the pair of artists created a non-political work that has become a source of daily, weekly or monthly inspiration to people who visit the area. "Usually people associate art with something that's in a gallery – a space for the elite – and if it's public it's [usually] political," Westraad said.



Brief

In March 2015 the Baywest Mall launched an urban art campaign which kicked off with a competition calling on artists to come up with ideas for an innovative and unique 7m-tall sculpture.

The winners of the campaign were artist Louwrens Westraad and Mxolisi “Dolla” Sapeta. Their winning concept titled Ujiva (dancing), the 7m-tall Ujiva is hard to miss as you approach the end of Walker Drive.

At night, it comes alive as it is illuminated by low voltage MaxiPUNCH Static fittings and when the city’s infamous westerly wind hits the steel frames, a musical range of four octaves is emitted.



Design

SSLI in consultation with LITE specified the MaxiPunch mono white (3000k) 12w but required the LED to be 24v while retaining the tight compact profile form and IP68 integrity. A single 285w PV panel and 4 x 12v 100Ah battery systems with solar charge controller are all designed into the artwork frame or base so as not to distract from the artists work.

The artists requirements where that they wanted an energy efficient quality LED lighting solution with the right efficacy and light “punch” to bathe the 7m-tall Ujiva art piece as it is hard to miss, but it was important that the MaxiPunch light was not to “spill off” the art work onto the road nor distract the more than 800 vehicles daily approaching the circle at the end of Walker Drive leading up to the Mall

With a keen interest in the growth of public art, and with SSLI and the LITE Maxi punch meeting and even exceeding the artist’s visions of illuminating the art work, SSLI in conjunction with the artist are working to unveil another public art project in Port Elizabeth early next year (2018) titled New Horizon, where they will also be using the MaxiLED Punch and powered by a PV battery backup system.



MaxiLED
Lighting

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