



MOSELEY SQUARE

**FORM &
FUNCTION
MEET IN
GLENELG**

CASE STUDY

Moseley Square

LOCATION
GLENELG, SA

CUSTOMER
CITY OF HOLDFAST BAY

END USER
THE GLENELG COMMUNITY

ELECTRICAL CONSULTANT
WALLBRIDGE GILBERT AZTEC

ELECTRICAL CONTRACTOR
GRIDLOCK ELECTRICAL

Form & function meet in Glenelg

Moseley Square is a vibrant public space located in the beachside suburb of Glenelg in Adelaide, South Australia.

Situated in the Jetty Road shopping precinct, it offers easy access to iconic Glenelg Beach and often hosts community events including live music, festivals and more.

With the Square's existing luminaires deteriorating, a decision to upgrade the lighting was made. Advanced Lighting Technologies were commissioned to provide an architectural lighting solution that offered performance and efficiency while enduring the harsh conditions inherent with a beachside location.



Application

Located in the beachside suburb of Glenelg and just 10 kilometres southwest of central Adelaide, Moseley Square serves as a social hub for locals and tourists alike. Accessible by tram and offering direct access to Glenelg's beach, jetty and foreshore, as well as a range of boutique shops, cafés and restaurants, Moseley Square is a bustling and lively destination that attracts people of all ages. The Square often hosts major events including the Glenelg Jazz Festival and the City to Bay Fun Run.

The Square's existing metal halide luminaires had been in place for many years and were starting to show signs of ageing. Over a decade of salty sea spray from nearby St Vincent's Gulf had taken its toll with the luminaires physical appearance and performance both beginning to fade.

The City of Holdfast Bay decided to upgrade Moseley Square's lighting and engaged Consulting Engineering firm **Wallbridge Gilbert Aztec (WGA)** to provide a solution that would meet their needs.

Requirements

The brief from Council was straight forward - replace the deteriorating metal halide fittings while retaining the existing poles. The new luminaires also had to exceed the light levels provided by the previous solution.

Special consideration had to be given to the project's coastal location, and with Moseley Square less than 100 metres from the beach, the proposed solution would also need to withstand the corrosive marine air, which can accelerate the oxidization of metal objects.

The fittings also needed to complement the architectural styling and beauty of the area's surrounds which include the historic Glenelg Town Hall, Glenelg Jetty, the Pioneer Memorial and War Memorial.

“ Moseley Square and its surrounds are home to a vibrant year-round event calendar that showcase our unique beachside setting. We needed an architectural lighting solution that would offer performance and durability while looking great, both day and night.

Mathew Walsh
Buildings & Facilities Manager
City of Holdfast Bay

Solution

Advanced Lighting Technologies have been providing lighting solutions to local councils and organisations around Australia for decades, even before the emergence of LED technology. We take pride in our selection of luminaires, which includes urban and architectural fittings from renowned Italian manufacturer **Arcluce**.

Carefully chosen to meet the most demanding requirements of lighting designers, architects and end users, Arcluce's products feature beautiful Italian styling and high-quality design, backed by a 5-year warranty.



Arcluce Lunio

Made from lightweight yet robust die-cast aluminium, the **Arcluce Lunio** Decorative Poletop & Area Light merges classic and modern design elements to create a stunning luminaire perfect for urban spaces like Moseley Square.

Available in Comfort or Performance variants, the Lunio boasts high ingress protection and impact resistance ratings. Its full cut-off design ensures no light escapes upwards, and a wide choice of optics, wattages, colour temperatures and finishes offer maximum flexibility to lighting designers, electrical engineers and end users. The Lunio can also be supplied with Zhaga or NEMA connections and is compatible with DALI, Casambi and other modern control systems.

As standard, the Lunio is supplied with double-layered powder coating (certified to QUALICOAT2 specification) which offers protection against corrosion and UV rays and is suitable for coastal areas with moderate salinity. However, given Moseley Square's proximity to the water, a special 'coastal coating' was applied - an additional transparent polyurethane layer designed to offer even greater protection, suitable for marine and coastal areas with high salinity.

The Lunio's iconic dome shape also offers a unique advantage in coastal applications, with the luminaire's rounded top discouraging local bird life from perching atop it.

Benefits

- 1 LOW PROFILE DESIGN
- 2 BEAUTIFUL EUROPEAN STYLING
- 3 FULL CUT-OFF LUMINAIRE
NO UPWARDS LIGHT POLLUTION

Features

LUMENS	2,550L - 10,150L
WATTAGE	30W - 110W
CCT	3000K 4000K <small>2200K AVAILABLE UPON SPECIAL REQUEST</small>
CRI	80 CRI
RATINGS	IP66 IK09
OPTIONS	DALI NEMA ZHAGA
WARRANTY	5 YEARS
COLOURS	12 16 21
HIGHLIGHT	COMFORT & PERFORMANCE VERSIONS

Advanced Lighting Technologies' Technical Sales Representative Ian Paull worked on the project and praised Arcluce's product offering:

“The Lunio's combination of architectural design and performance offered an excellent solution at Moseley Square. We were delighted to propose a package that not only met the project's technical requirements but also looks fantastic at all hours of the day.”

Lunio Series

The Lunio is part of the Lunio family from Arcluce, which also includes:





Results

The City of Holdfast Bay found the perfect luminaire to enhance and complement the atmosphere and charm of Moseley Square. Thanks to its classic design, the Arcluce Lunio blends in seamlessly while offering comfortable illumination without overpowering the decorative lighting used to highlight the Square's many palm trees.

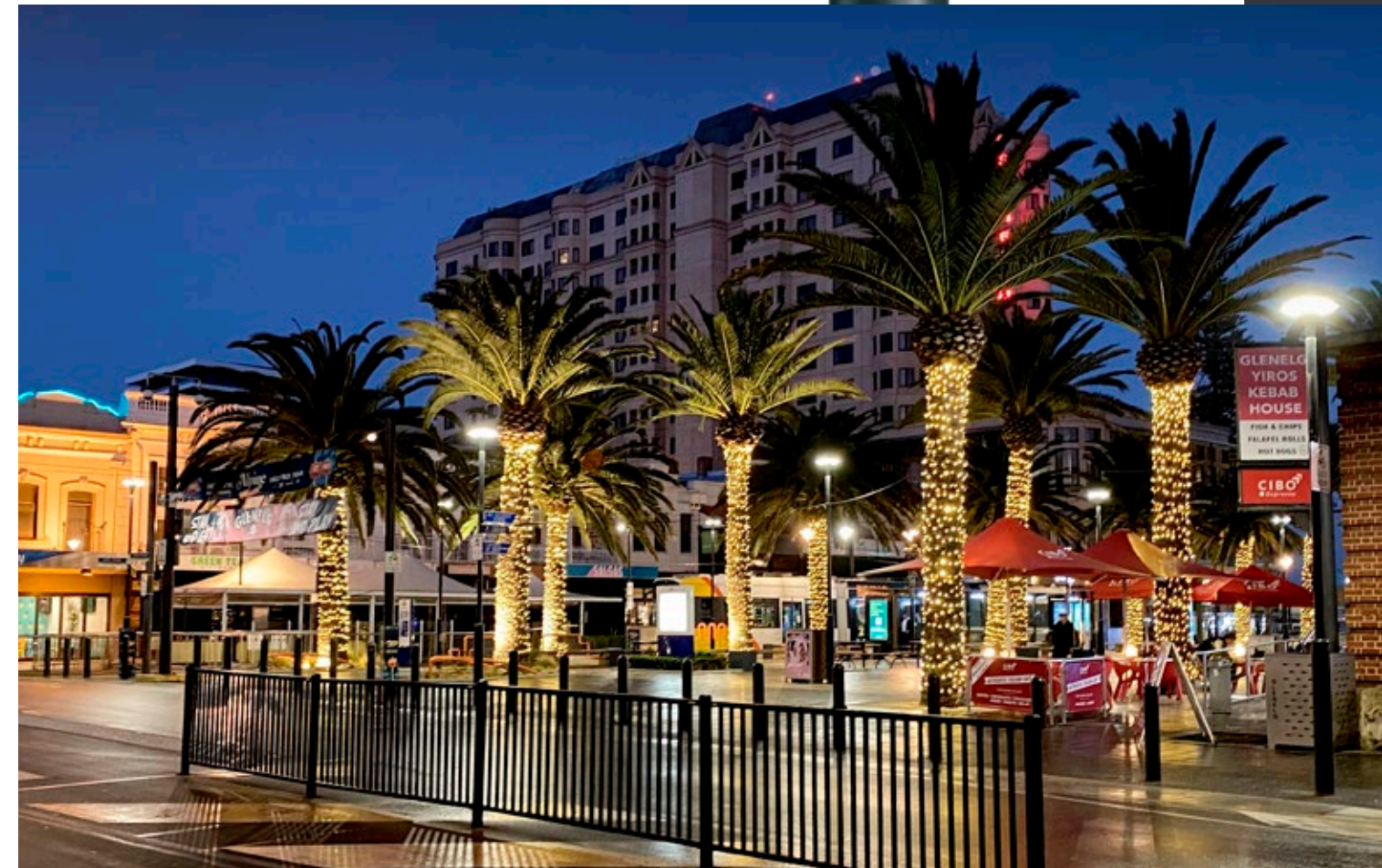
All up, Advanced Lighting Technologies supplied thirty-two Lunio's at Moseley Square. The light levels comfortably exceeded those achieved by the old and outdated fittings, despite the Lunio's using 40% less energy. The luminaires were equipped with a mix of Type 4 and Type 5 optics to ensure light was distributed as evenly as possible.


Using a mid-range correlated colour temperature of 4000K offered balance between the warm ornate lighting and the historic buildings surrounding the Square. The Lunio's were delivered with DALI compatible drivers to allow for dimming capabilities in future.

Boasting an impact resistance rating of IK09, the Lunio offers sufficient protection to withstand the rigours of the urban environment, while its special coastal coating negates the effects of the harsh salty air, ensuring the Lunio will continue generating quality illumination for years to come.

As explained by Mathew Walsh, the Lunio was a great example of function and form combining to meet the project's requirements:

“Such a high-profile location demanded a quality lighting solution that looked good and would offer long-term reliability. We're pleased with the performance of the Arcluce Lunio to date.”





Advanced Lighting Technologies are specialists in architectural, commercial and industrial lighting. **Whatever the application, whatever the budget - we'll have a solution that fits your needs.**



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