



**May 2017**

A MONTHLY NEWSLETTER FOR MEMBERS AND ASSOCIATES LIGHTING COUNCIL AUSTRALIA

# ILLUMINATIONS

Welcome to the third edition of our new E-Newsletter, produced to keep Members and Associates informed about developments in the lighting and related technology areas.

This newsletter will also keep you informed about new regulations, policies and on-going consultation with Federal, State and Territory Governments as well as key industry events. We welcome feedback and items for potential publication.

## In this edition

- Lighting Controls Workshop
- Member visit update
- Member profiles
- Chairman's Column
- CEO's Column
- Product Spotlight: Solar Bollard Lighting
- Crown Melbourne becomes our latest FluoroCycle Signatory
- Tesla Gigafactories
- Lights installed in Melbourne footpath to help distracted pedestrians cross safely
- Upcoming Events and Meetings



## Lighting Controls Workshop

**DATE:** Thursday 18 May 2017

**TIME:** 9:00AM to 4:30PM

**VENUE:** Rydges Parramatta, 116-118 James Ruse Drive, Rosehill  
Complimentary hotel parking will be available.

**COST:** Free (places are limited so please register early)

**TO REGISTER:** Please email your name, position, organisation and any dietary requirements to [cwang@lightingcouncil.com.au](mailto:cwang@lightingcouncil.com.au)

Lighting Council Australia is organising a Lighting Controls Workshop at Rydges Parramatta on Thursday 18 May. The workshop is free to attend but places are limited. Capacity has been increased to 100 but seats are filling fast. We would like to thank Gerard Lighting for sponsoring this event.

Due to the strong interest in this topic, Lighting Council is planning similar workshops in Melbourne and Brisbane. We'll keep members updated on proposed dates and venues for these events.

The Lighting Controls Workshop is an educational event aimed at architects, building managers, electrical contractors, engineers, lighting designers, and the lighting supply industry. The aim of the workshop is to educate the broader industry about the benefits and recent technology developments in lighting controls. There's already been strong interest in the workshop and we've promoted the event broadly through other industry bodies including: the IES, the Facility Management Association (FMA), Master Electricians Australia and NECA NSW.

### Confirmed speakers include:

- Niall Mai, VP Engineering, Daintree Networks
- Lance Stewart, Managing Director, Creative Lighting
- Andrew Sherar, Technical Director, Lightmoves
- Rob Shenstone, National Business Development Manager - Control and Lighting, Philips
- Greg Sutton, Automation and Controls Asia Pacific, Dialight

Topics to be covered include: basic controls (e.g. presence detection, daylight harvesting, maintained illuminance); data collection and analytics (smart building systems); dimming controls for LEDs (e.g. LED dimming, LED flicker control); human centric lighting; industrial lighting automation; installation advice; lighting control systems; the new paradigm in lighting (e.g. the merging of lighting and communications systems - LiFi); tuneable white and architectural lighting.



**Gerard Lighting is proud to present Diginet Control Systems** – Australian designed seamless lighting control technology for a better life. Extensive engineering and development result in innovative products including hardware, software & core technology for both networked and standalone lighting control systems. With Diginet, life is made easier with smart solutions that offer state of the art simplicity.

## Member visit update

To further enhance communications with members, Lighting Council staff are now aiming to visit some members every week.

Please use this opportunity to raise technical/regulatory issues you may have and we'll do the best we can to respond. When you receive our call requesting an opportunity to visit, we'd appreciate a little of your time to discuss issues of importance. Many members visited have expressed their support for Lighting Council's increased engagement with members.

Member visits have already been conducted in South Australia, Victoria, NSW and Queensland. Recent member visits include ZG Group and Philips Lighting in NSW.

## Member Profiles

To further build interest in *Illuminations* we shall be featuring a profile of one of our members in each edition. There will be a balance between smaller and large companies and we hope that when approached you will be pleased to be interviewed.

There are many exciting things going on in our industry and to the extent members are willing to discuss those successes and initiatives, we shall be pleased to share those achievements with the membership.

In this edition, we're highlighting the Solar Bollard Lighting solar bollard which is jointly distributed in Australia by Lighting Council member, HIGHLUX ([www.highlux.com.au](http://www.highlux.com.au)) and Orca Solar Lighting ([www.orcasolarlighting.com.au](http://www.orcasolarlighting.com.au)). The Solar Bollard Lighting solar bollard was exhibited at the Australian Smart Lighting Summit 2016 where the delegates voted it the "Most Innovative Product". The next generation SBL2 flagship product range will be released at sparc-FMA 2017 including a more powerful overhead solar bollard for pathways and minor street lighting which is fully submersible.

We hope you enjoy these features.

## Chairman's column



### Corporate tax rates

A number of Lighting Council directors recently attended a breakfast hosted by Minister for Environment and Energy, Josh Frydenberg and the Finance Minister, Matthias Cormann. We asked Mr Cormann why the government was struggling to get its message across regarding

the benefits of corporate tax cuts. Such benefits of which include:

- Ensuring further funds are available to Australian based businesses to invest and hire in Australia.
- Making local companies more internationally competitive.
- Encouraging local companies to invest in Australia rather than in more attractive tax jurisdictions overseas.
- Encouraging multinationals to invest into business in Australia as it provides a more competitive tax position.

It seems corporate tax cuts are incorrectly perceived as tax cuts to wealthy individuals.

Mr Cormann agreed and stated that the policy would benefit from more high profile input from businesses and associations such as ours.

Tony Todaro

Chairman

## CEO's column



Following an extensive search I am pleased to advise that Lighting Council Australia now has a new Melbourne office at which I shall be based, in the suburb of Hawthorn.

Our official registered office will continue to be in Canberra until further notice but when landlines are connected and other address information is

settled in Melbourne, Members will be advised.

As we go to press, the Federal Government is about to hand down their latest budget-no doubt packed with all sorts of surprises. One can only hope that the measures to be introduced in this budget will assist business and, in particular, our \$2 billion industry.

In the latest survey issued by the Australian Industry Group for construction, some 100 companies employing 60,000 people in the non-residential sector were surveyed. They predicted the total value of forecast growth in the commercial construction sector, in the next two years, is expected to be 3.5% and 5.2% respectively.

Growth in commercial construction is an important consideration for the lighting industry and these forecasts follow declines in 2015/16.

I have managed to meet with a good number of members since coming on board and I appreciate the warm welcome I have received.

I'll be continuing to make calls on members but I also hope to see a large number of Lighting Council Members at sparc-FMA at the end of May in Sydney for what promises to be a spectacular show.

Richard J Mulcahy

Chief Executive Officer



## You're invited to the sparco-FMA Gala Dinner

You are invited to our Gala Dinner – a night of spectacular food and entertainment with sweeping views of the Darling Harbour right in the hub of Vivid Sydney.

The Gala Dinner will be held at the International Convention Centre's Grand Ballroom,  
6.30pm Thursday 1st June 2017.

Individual tickets, tables of ten and sponsored tables of ten are available for purchase at [www.sparcofmaevent.org](http://www.sparcofmaevent.org)

# Solar Bollard Lighting



## Product Spotlight – Solar Bollard Lighting

Australian Made SBL Series Solar Bollard Lighting has been used by a variety of clientele from Local Councils, State and Federal Government Departments, Mines, Theme Parks, Holiday Parks, Resorts, Retirement Villages, Hospitals and Developers in every corner of Australia for over a decade for a wide range of applications and is being exported world wide.



Public Access Ways



Jetties and Pontoons

The solar bollard provides reliable dusk to dawn illumination every night of the year, and we have models suitable for Tasmania to the Top End and for full sun to heavy shading. The superior light output provides cost effective ASNZS compliant P category illumination for pathway applications where compliance is required.



Remote Accomodation



New Developments

With a proven track record in diverse locations from the Pilbara to the Victorian Alps and from the Middle East to Canada, the solar bollard has a 10-year minimum expected operational life and comes with a 5-year warranty which includes the LiFePo4 battery. The solar bollard light heads are easily exchanged and recycled at their end of life. The solar bollard is made from marine-grade components to ensure longevity in coastal and other corrosive environments.

The solar bollard was designed to be incredibly vandal resistant, and this link demonstrates that the solar bollard is virtually indestructable.

The solar bollard was exhibited at the Australian Smart Lighting Summit 2016 where the delegates voted it the *“Most Innovative Product”*. The next generation SBL2 flagship product range will be released at **sparc-FMA 2017** including a more powerful overhead solar bollard for pathways and minor street lighting which is fully submersible.

The Solar Bollard Lighting solar bollard, is jointly distributed in Australia by HIGHLUX and Orca Solar Lighting.

For more information please call 1300 388 213 or email [sales@solarbollardlighting.com](mailto:sales@solarbollardlighting.com)



## **Crown Melbourne becomes our latest FluoroCycle Signatory**

Crown Melbourne has recently applied as a signatory to the national FluoroCycle scheme. It is anticipated that Crown Perth will also apply as a signatory in the coming weeks. Crown Melbourne is a large integrated resort which includes Australia's largest casino, three hotels (Crown Towers, Crown Metropol Melbourne and Crown Promenade Melbourne), function rooms, restaurants and shopping and entertainment facilities.

Crown Melbourne has invested in reducing its emissions and environmental impact in three major areas - energy efficiency, water conservation and waste reduction. This investment includes a commitment to recycle its mercury-containing lamps, <http://www.crownresorts.com.au/our-contribution/environment>.

It is expected that a joint media release from Crown Resorts and Lighting Council Australia will be released shortly.

Lighting Council's FluoroCycle scheme, [www.fluorocycle.org.au](http://www.fluorocycle.org.au), is a voluntary product stewardship scheme that seeks to increase the national recycling rate of end-of-life mercury-containing lamps.

End-of-life mercury-containing lamps sent to landfill can convert to the toxic methylmercury and can spread to the wider environment. Lamp recycling can help reduce the amount of mercury being sent to landfill. FluoroCycle targets the commercial and industrial sectors where the bulk of waste lamps are generated. FluoroCycle is accredited by the Australian Government and the scheme is currently fully funded by Lighting Council members.



## Tesla Gigafactories

[In late 2016 Leonardo DiCaprio and Elon Musk convened in his Gigafactory to talk lithium ion batteries, climate change, and the future of alternative energy sources.](#)

The Tesla Gigafactory produces lithium ion batteries, supporting the Tesla vehicles and providing low-cost batteries using alternative energy sources. And, in a recent video, CEO and founder Elon Musk was actually quoted as saying: “We actually did the calculations to figure out what it would take to transition the whole world to sustainable energy. You’d need 100 Gigafactories.”

Leonardo DiCaprio met with Musk at the Gigafactory this past year to discuss renewable resources and the future of energy as it relates to climate change. Leo is no stranger to discussions about alternative energy and climate change. In fact, he recently used his first Oscar acceptance speech as an opportunity to discuss the grave realities of our changing climate and warming planet.

One main goal of the Gigafactory is to reach and maintain net zero energy. A leader in advancement and innovation, they claim that “By 2018, the Gigafactory will reach full capacity and produce more lithium ion batteries annually than were produced worldwide in 2013.” The Gigafactory also aims to continue to drive down the price of these batteries, financially incentivizing the use of alternative energy sources.

As DiCaprio and Musk enter the factory, Musk emphasizes that “the sooner we can take action, the less harm will result,” in regards to man-made climate change.

As put simply by Musk in the video, “the sun doesn’t shine all the time, so you’ve got to store it in a battery.” And, if we are able to shift more completely towards alternative and renewable energy sources, Musk claims that, “you could avoid building electricity plants at all.”

When some people think about alternative energy, they think of outdated, bulky solar panels that lack efficiency and are a massive financial drain. However, alternative energy technology is far beyond that. As the realities of climate change set in, it is becoming more and more obvious that we cannot wait. We cannot go another ten years using fossil fuels at the rate that we currently do and not experience the effects.

Solar cells are more efficient than ever. In fact, inspired by photosynthesis, researchers recently combined the principles of quantum physics and biology to drastically improve current solar capabilities. Solar cells are no longer even necessary to capture solar energy, as scientists have created a synthetic leaf that does just that, while converting carbon dioxide into carbon monoxide.

There is no question: alternative energy is the future. We will not progress without it, and, as recent advancements have shown, it is becoming a more possible and powerful option with each passing day. If Musk is right, and these low-cost, green batteries could help to support a future where alternative energy is the majority, then his Gigafactory could be one of many steps in the right direction.

[Source](#)



## Lights installed in Melbourne footpath to help distracted pedestrians cross safely

An intersection in Melbourne's CBD has been illuminated from the ground to try and prevent people distracted by their phones stepping out in front of traffic. Special block lights have been installed into the pavement at the corner of Swanston and Little Collins streets as part of the 12-month trial. The lights change green, amber and red in sync with the other traffic signals. The move cost more than \$100,000.

Samantha Cockfield from the TAC told ABC Radio Melbourne that passive distraction when crossing the road was a problem in the area. "What we'd like to see out of this is do we actually change pedestrian behaviour, not only those using their phones but all pedestrians because we get a lot of what we call passive crossing," she said. "People don't even know that they have crossed against the lights, so they're just continued on their merry way." And they don't even know they have gone from one side of the road to the other against the lights."

Ms Cockfield said the TAC would video the area to monitor pedestrian behaviour and their movements, and how effective the new lights were.

Images: The Age and the TAC.

[Source](#)



Tickets are now on sale for the sparc-FMA International Lighting & Facilities Event 2017. sparc-FMA 2017 comprises an expansive exhibition showcasing the latest in lighting and facility management innovation and a world-class Symposium featuring both Australian and international experts. Don't miss this opportunity to see what's new and what's next in facilities services and smart lighting and enjoy the networking opportunity this event has to offer. The event is a Contributor of Vivid Sydney and will be held at the new International Convention Centre, Darling Harbour 30 May - 1 June, 2017.

There are still some booths available if you would like to exhibit so if you are interested, please don't delay and contact Cindy Wang at Lighting Council on 02 6247 8011 or email [cwang@lightingcouncil.com.au](mailto:cwang@lightingcouncil.com.au) or our Event organiser, Cecilia Haddad 02 8021 1277 or email [cecilia@marketingelements.com.au](mailto:cecilia@marketingelements.com.au). For more information on this major event, check out our dedicated website [www.sparcfmaevent.org](http://www.sparcfmaevent.org) where the speakers and programme are detailed.

## Upcoming National and International Events

### National meetings and events

#### Emergency Lighting Sub-industry Group

**Date:** Tuesday May 16 2017  
**Time:** 10.30 am-1.00 pm  
**Venue:** The Grace Hotel, 77 York Street Sydney.

#### Quarterly General Meeting

**Date:** Wednesday 17 May 2017  
**Time:** 10:30am to 1:45pm (includes lunch)  
**Venue:** The Grace Hotel, 77 York Street, Sydney

#### Lighting Controls Workshop

**Date:** Thursday 18 May 2017  
**Time:** 9:00am to 4:30pm  
**Venue:** Rydges Parramatta, 116-118 James Ruse Drive, Rosehill

### International events

#### sparc-FMA International Lighting & Facilities Event 2017 - Sydney

**Date:** May 30 - June 1, 2017  
**Venue:** International Convention Centre, Darling Harbour



#### GILE 2017 - Guangzhou International Lighting Exhibition - Guangzhou, China

##### GILE 2017 Show Theme

**Date:** June 9 - 12, 2017  
**Venue:** China Import and Export Fair Complex



Lighting accessories, LED technologies, Luminaries. 2,399 exhibitors from 23 countries and regions. 145,080 visitors from 137 countries.



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