

The Museum of Applied Arts and Sciences (MAAS) encompasses three venues:

- Powerhouse Museum, (Ultimo)
- Sydney Observatory (Millers Point) and
- Museum Discovery Centre (Castle Hill).

The Museum of Applied Arts and Science through the Sydney Observatory contribute to a sustainable city-wide lighting solution in line with the Draft Development Control Plan 2015 (DCP) and the [Australian Standard – AS4282](#).

The primary concern for Sydney Observatory is 'sky glow', caused predominantly by upwardly directed or blue light associated with LEDs. This has the impact of reducing the visibility of iconic astronomical objects such as the stars of the Southern Cross.

More specifically our comments on light sources in the city focus on minimising sky glow by:

1. encouraging full horizontal cut off where possible to direct light downwards
2. minimisation of emission of any light with correlated colour temperature of less than 3500k
3. discouraging reflective surfaces below lit areas to minimise sky glow

In situations where full cut-off is not achievable because of location, height scale etc. - for example roof top signs, or where it will cause significant impact on the visual impact of signage by increasing bulk, every effort is to be made to reduce the impact of upward lighting on the sky glow.

In these cases it is even more important that:

4. Correlated colour temperature should be 3500k or lower
5. For signs with a direct line of sight to Observatory red only signage of low brightness is preferable.

Please note as background we host and support the aims of The Sydney Outdoor Lighting Improvement Society (SOLIS) which adopts the principals of the International Dark Night Sky Association and support their recommendations with lighting policies.

The following websites provide a resource for good lighting standards and products and their various policies on the importance of minimising sky glow and the impact on the night sky.

https://www.iau.org/public/themes/light_pollution/
<http://www.darksky.org/>
<http://www.solis.asn.au/>
<http://asa.astronomy.org.au/observatories.php#standards>

Please feel free to contact Marnie Ogg, Manager of Sydney Observatory, if you would like to discuss any lighting concerns you may have.

Yours faithfully,



Dolla Merrillees
Director & CEO