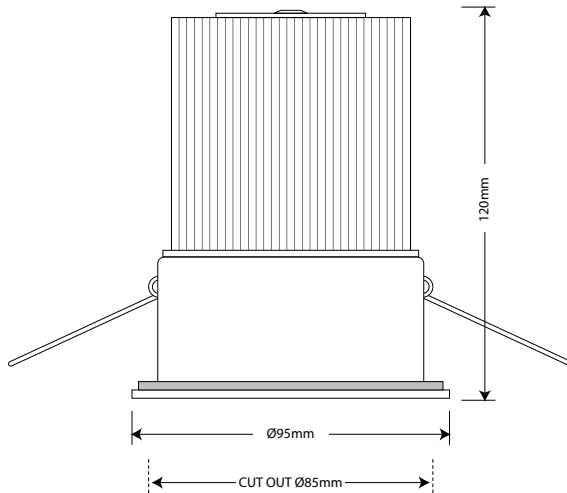


**NEW  
CYANOSIS  
APPROVED**  
Pat Pending



PLANET  
LIGHTING

CDL - Cyanosis Observation Areas LED Downlight Range

The COA range of downlight complies with the Australian and New Zealand "Cyanosis" standard 1680.2.5.

- Available in narrow, medium, wide and flood beam angles
- Significantly reduce energy consumption (uses 75% less power than a 50 watt MR16 halogen downlights)
- 12 watts total / 700 lumen output
- Significantly reduce maintenance and lamp change due to 50,000 hour life (70% initial lumen maintenance L70 )
- Significantly reduce air-conditioning load, as LEDs contribute very little heat load
- Complies with 1680.2.5 COI standard (less than 3.3) - Assessed by accredited independent test lab
- Meets all of these specifications at 4000k colour temp
- IP44 rated



There are many areas within hospitals where an accurate assessment of a patient's skin colour is important.

Of special importance is the early detection of cyanosis, a blue coloration of the skin and mucous membranes usually associated with a decreased amount of oxygen in the blood.

Australian and New Zealand "Cyanosis" standard 1680.2.5 sets out lighting recommendations for a variety of tasks carried out within hospitals and medical premises, in particular tasks associated with clinical observation, treatment and care.

According to the Standard 1680.2.5, it is mandatory in areas that have been deemed to be clinical observation areas ① to have lighting installed which meets this standard to assist in the correct and prompt visual diagnosis of cyanosis.

Due to the lack of choice of available lighting technology it is often very difficult to meet this standard and more specifically the appropriate lighting levels required. Often this lack of available options leads to over or under lighting in these areas, excessive electricity consumption, the working environment being too bright and importantly, may still not meet Australian and New Zealand standard 1680.2.5 or the BCA energy requirements.

As a response to this lack of choice in the market place, the R&D team at Planet Lighting have developed the first LED cyanosis downlight "CDL". This patented technology will enable lighting engineers to meet the mandatory standard 1680.2.5 and at the same time achieve optimum lighting levels.

Available with a range of driver options and beam angles, incorporating all major dimming protocols (DMX, DALI, DSI, PWM, 0-10v).

Planet Lighting's COA LED downlight range provides new options for medical facilities to select long life energy efficient fixtures for these specific areas.

In specifying and installing CDL LED downlights you are making a conscious decision to promote green sustainable business practices.

\* IES files and test reports available upon request

① This being an area of a hospital or medical facility in which it may be necessary to assess the condition of a patient, by means of visual observation of skin colour or changes in skin colour, e.g to detect the presence or onset of cyanosis.

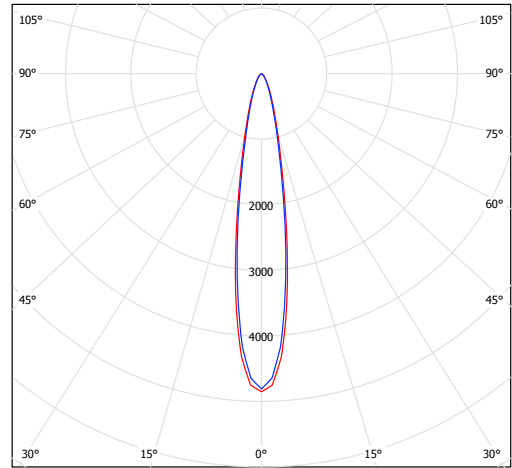


*Made in Australia Exported to the World*

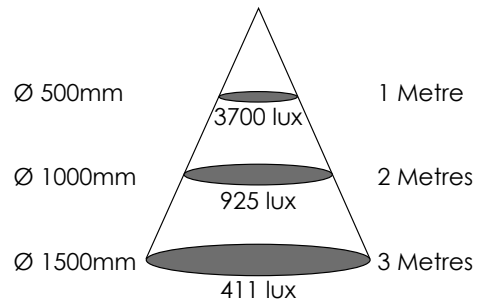
12 Tamarind Drive Bellingen NSW 2454 Australia  
Phone + 61 (0)2 6659 5600 Fax + 61 (0)2 66552121  
info@planetlighting.com www.planetlighting.com

## CDL-N

Cyanosis Downlight  
Narrow 8.5° Beam (FWHM)

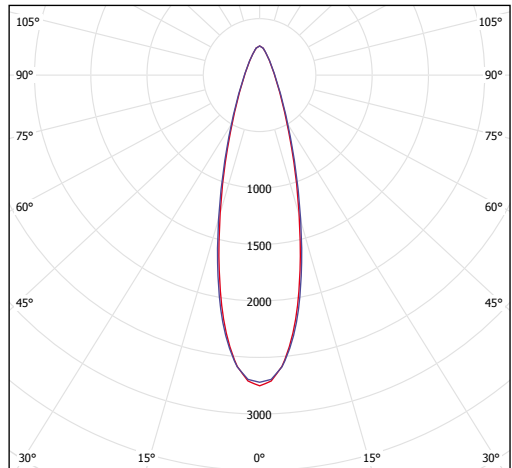
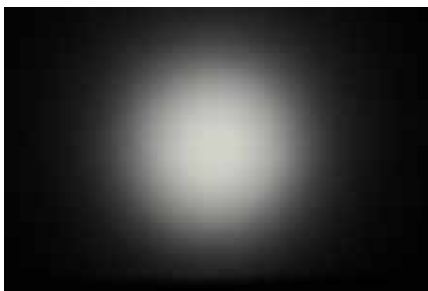


cd/klm  $\eta = 79\%$   
— C0 - C180 — C90 - C270

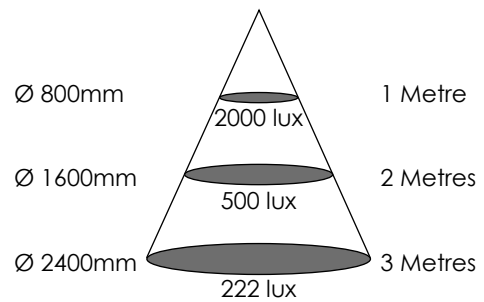


## CDL-M

Cyanosis Downlight  
Medium 13° Beam (FWHM)

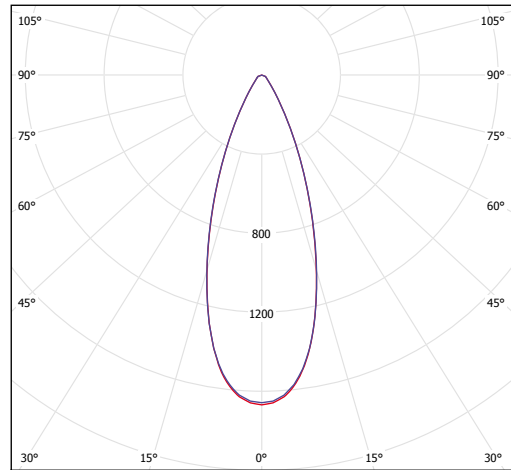


cd/klm  $\eta = 80\%$   
— C0 - C180 — C90 - C270

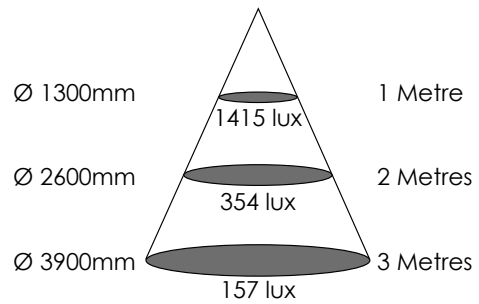


## CDL-W

Cyanosis Downlight  
Wide 19° Beam (FWHM)

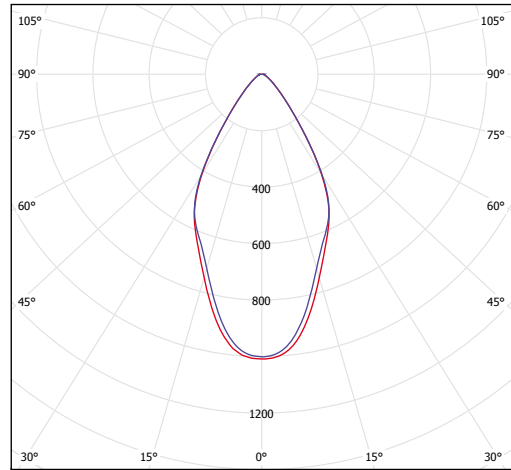
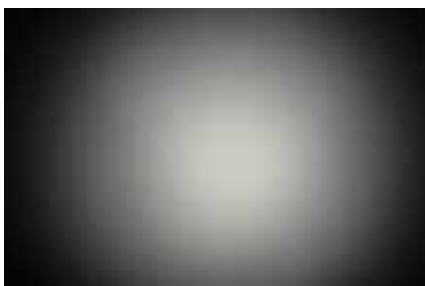


cd/klm  $\eta = 84\%$   
— C0 - C180 — C90 - C270



## CDL-F

Cyanosis Downlight  
Flood 27° Beam (FWHM)



cd/klm  $\eta = 90\%$   
— C0 - C180 — C90 - C270

