

# Concord

## COLOSSAL 1200mm 830 PRISM DIR+HAL WHITE DALI 2071309



### Features

- 1200mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with PMMA prismatic diffuser. Direct/indirect (halo) light distribution, 15880lm luminous flux, 117.5W system power, 135lm/W luminaire efficacy. DALI dimmable. Colour rendering index Ra >80, 3000K Warm White LED, chromaticity tolerance of 3-step MacAdam ellipse. IP40/IP20, IK03. 350mA drive current. UGR≤19. Electrical protection Class1, 220-240V. Reported lifetime 66k hours L90B10.

### CIBSE TM66

| Result              |               |                         |            |                          |                                              |
|---------------------|---------------|-------------------------|------------|--------------------------|----------------------------------------------|
| Category            | Points Scored | Maximum possible points | Assessment | How to analyse the score |                                              |
| Product design      | 65            | 134.0                   | 2.3        | 0.0 to 0.5               | Very poor circular economy performance       |
| Manufacturing       | 21.5          | 46.5                    | 1.9        | 0.5 to 1.5               | Some circular economy functionality          |
| Materials           | 5             | 24.0                    | 0.8        | 1.5 to 2.5               | Definite/substantial progress to circularity |
| Ecosystem           | 18            | 43.0                    | 1.7        | 2.5 to 4.0               | Excellent circularity                        |
| Overall performance | 109.5         | 247.5                   | 1.68       |                          |                                              |

Technical Memorandum (TM) 66 describes a Circular Economy’s main aims, how it can be achieved and what its practice will mean to the different branches of our industry like specifiers, manufacturers, contractors, and Facilities Managers.

The Circular Economy Assessment Method for Manufacturing (CEAM-Make)’s list of 66 searching questions, the majority of which ask for back-up evidence, is split into four sections :

- Product Design : Covering topics such as design for long life and repair
- Manufacturing : Additive and subtractive techniques and localisation
- Materials : Usage of recyclable materials rather than virgin
- Ecosystem : Repair or upgrade services to complement circular economy design

The outcome of the assessment is a single figure rating by which product comparisons can be made. A TM66 score demonstrates a product’s performance in the context of a Circular Economy

CIBSE (2021) Circular Economy Assessment Method - Make TM66 Digital Tool beta version 22nd October 2021 (London : Chartered Institution of Building Services Engineers)