

Concord

Colossal 900mm 840 Prism Dir+Hal White DALI EM 2071270



Features

- 900mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with PMMA prismatic diffuser. Direct/indirect (halo) light distribution, 8285lm luminous flux, 60W system power, 138lm/W luminaire efficacy. DALI dimmable. 3 hours integrated emergency. Colour rendering index Ra >80, 4000K Neutral 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 | | | | How to analyse the score | |
|---------------------|---------------|-------------------------|------------|--------------------------|--|
| Category | Points Scored | Maximum possible points | Assessment | 0.0 to 0.5 | Very poor circular economy performance |
| Product design | 65 | 134.0 | 2.3 | 0.5 to 1.5 | Some circular economy functionality |
| Manufacturing | 21.5 | 46.5 | 1.9 | 1.5 to 2.5 | Definite/substantial progress to circularity |
| Materials | 5 | 24.0 | 0.8 | 2.5 to 4.0 | Excellent circularity |
| Ecosystem | 18 | 43.0 | 1.7 | | |
| 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 it's practice will mean to the different branches of our industry like specifiers, manufacturers, contractors, and Facilities Managers.

The Circular Economy Assement 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 assement 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)

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