

## OPTIX SURFACE 1200x200 2 LINE 4000K C9 ALU DALI EM 2023711



### Features

• OPTIX SURFACE 1200x200 2 LINE 4000K C9 ALU DALI EM is a high efficacy low glare luminaire for office and education applications. Suitable for surface and suspended mounting. Size: 1129x200x45mm. Aluminised plastic extra low glare optics in 2 lines configuration. White RAL9016 fixture body. DALI dimmable. 3hr maintained emergency version. 4000K Neutral White LED, CRI>90, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 3700lm. Power consumption 32W. Luminaire efficacy 116lm/W. Lifespan: 60,000 hours L90B10. UGR<16, Lumin...

### CIBSE TM66

| Result              |               |                         |            |                          |                                              |
|---------------------|---------------|-------------------------|------------|--------------------------|----------------------------------------------|
| Category            | Points Scored | Maximum possible points | Assessment | How to analyse the score |                                              |
| Product design      | 76            | 134.0                   | 2.3        | 0.0 to 0.5               | Very poor circular economy performance       |
| Manufacturing       | 23.4          | 46.5                    | 2          | 0.5 to 1.5               | Some circular economy functionality          |
| Materials           | 7             | 24.0                    | 1.2        | 1.5 to 2.5               | Definite/substantial progress to circularity |
| Ecosystem           | 21            | 43.0                    | 2          | 2.5 to 4.0               | Excellent circularity                        |
| Overall performance | 127.4         | 247.5                   | 1.88       |                          |                                              |

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 askfor back-up evidence, is split into four sections :

- Product Design :  
Manufacturing :  
Materials :  
Ecosystem :
- Covering topics such as design for long life and repair  
Additive and subtractive techniques and localisation  
Usage of recyclable materials rather than virgin  
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)