

## OPTIX RECESSED 4 CELLS 3000K WHT 2021690



### Produkteigenschaften

• OPTIX RECESSED 4 CELLS 3000K WHT is a high efficacy low glare luminaire for office and education applications. Ceiling recessed 310x100 mm. White plastic low glare optics. White RAL9016 fixture body. Constant current driver. 3000K Warm White LED, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 1059lm. Power consumption 9W. Luminaire efficacy 118lm/W. 42,000hrs L90B10 lifespan. UGR<22, Luminance at 65°<3000 Cd/m2, IK07, IP20. Photobiological safety risk group 1. Electrical protection Class I. Glow wire test 850°C.

### 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)