

TM66 CIRCULAR ECONOMY ASSESSMENT

NGA LED STRIP SYSTEM

ASSESSMENT

CIBSE TM66 CEAM-Make.

Creating a Circular Economy in the Lighting Industry.

PRODUCT

This TM66 assessment applies to NGA LED strip when integrated into NGA aluminium profile as a linear luminaire.

Result			
Category	Points Scored	Maximum possible points	Assessment
Product design	91.0	134.0	2.7
Manufacturing	34.9	46.5	3.0
Materials	7.0	24.0	1.2
Ecosystem	32.0	43.0	3.0
Overall performance	164.9	247.5	2.5

How to analyse the score	
0 to 0.5	Very poor circular economy performance
0.5 to 1.5	Some circular economy functionality
1.5 to 2.5	Definite/substantial progress to circularity
2.5 to 4.0	Excellent circularity

RESULTS EXPLAINED

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 72 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.

Materials: Usage of recyclable materials rather than virgin.

Manufacturing: Additive and subtractive techniques and localisation.

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)



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NGA