

## Assessment

CIBSE TM66 CEAM-Make  
Creating a Circular Economy in the Lighting Industry

## Product

Frog Type X Spike

## Results

Category	Points Scored	Max Points Possible	Assessment	How to analyse the score	
Product Design	80.0	134.0	2.4	0 to 0.5	Very poor circular economy performance
Manufacturing	32.0	46.5	2.8	0.5 to 1.5	Some circular economy functionality
Materials	12.0	24.0	2.0	1.5 to 2.5	Definite/substantial progress to circularity
Ecosystem	37.0	43.0	3.4	2.5 to 3.5	Excellent circularity
Overall Performance	161.0	247.5	2.6		

## 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.