

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

PRODUCT
LED NEON

Result

CATEGORY	POINTS EARNED	MAX. POINTS POSSIBLE	ASSESSED SCORE
Product Design	101	134	3.0
Manufacturing	28.1	46.5	2.4
Materials	14	24	2.3
Ecosystem	30	43	2.8
Overall Performance	173.1	247.5	2.6

HOW TO ANALYZE THE ASSESSED SCORE	
0 to 0.5	Very poor circular economy performance
0.5 to 1.5	Partial circular economy functionality
1.5 to 2.5	Substantial progress toward circularity
2.5 to 4.0	Excellent circular economy performance

Technical Memorandum 66 (TM66) is a practical guide for the lighting industry about how to design and manufacture products in accordance with circular economy principles.

One of the key features of TM66 is the Circular Economy Assessment Method for Manufacturing (CEAM-Make). CEAM-Make is a 72-question checklist that assesses a product's circularity across four key areas:

Product Design: Factors that affect design for a product's long life and repair.

Manufacturing: Additive and subtractive techniques and localization in manufacturing.

Materials: The use of recyclable, biodegradable and/or innovative sustainable materials.

Ecosystem: Repaired or upgraded services that complement circular economy design.

The outcome of the CEAM-Make assessment is a single-figure rating that can be used to compare the circularity of different lighting products.