

ASSESSMENT

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

PRODUCT

Ultimo Neon 16



RESULTS

Category	Points Scored	Max Points Possible	Assessment
Product Design	55.0	112.0	1.8
Manufacturing	31.8	64.0	2.7
Materials	9.0	20.0	1.5
Ecosystem	33.0	52.0	2.1
Overall Performance	128.8	248.0	2.0

How to analyse the score	
2.5 to 3.5	Excellent circularity
1.5 to 2.5	Define/substantial progress to circularity
0.5 to 1.5	Some circular economy functionality
0 to 0.5	Very poor circular economy performance

RESULTS EXPLAINED

Technical Memorandum 66 (TM66) is a practical guide for the lighting industry on 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 long life and repair
- **Manufacturing:** Additive and subtractive techniques and localisation
- **Materials:** The use of recyclable, biodegradable and innovative sustainable materials
- **Ecosystem:** Repair or upgrade services to complement circular economy design

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

ASSESSMENT

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

PRODUCT

Profile with Ultimo Neon 16



RESULTS

Category	Points Scored	Max Points Possible	Assessment
Product Design	73.0	112.0	2.4
Manufacturing	31.8	64.0	2.7
Materials	9.0	20.0	1.5
Ecosystem	33.0	52.0	2.1
Overall Performance	146.8	248.0	2.1

How to analyse the score

2.5 to 3.5	Excellent circularity
1.5 to 2.5	Define/substantial progress to circularity
0.5 to 1.5	Some circular economy functionality
0 to 0.5	Very poor circular economy performance

RESULTS EXPLAINED

Technical Memorandum 66 (TM66) is a practical guide for the lighting industry on 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 long life and repair
- **Manufacturing:** Additive and subtractive techniques and localisation
- **Materials:** The use of recyclable, biodegradable and innovative sustainable materials
- **Ecosystem:** Repair or upgrade services to complement circular economy design

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