TM66 Assured Product Verification Scheme

CIBSE's TM66 Circular Economy Assessment Methods (CEAM) provides a unique assessment that quantifies how circular a lighting product is. SGM strives to be as sustainable as possible and the assessment below shows how the 3 Series family scored.

TM66 CEAM-Make Assessment of 3-series:

Circular Economy Assessment Method - Make

(CIBSE TM66 digital tool)

Result

Category	Points Scored	Maximum possible points	Assessment
Product design	93.0	134.0	2.8
Manufacturing	24.0	46.5	2.1
Materials	12.0	24.0	2.0
Ecosystem	32.0	43.0	3.0
Overall performance	161.0	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

Categories Explained

Product Design: Covering topics such as design for long life, durability, and repair.

Materials: Covering topics like the usage of recyclable materials rather than new materials each time a fixture is produced.

Manufacturing: Covering topics like additive and subtractive techniques and localization.

Ecosystem: Covering topics like repair or upgrade services to complement circular economy design and manufacturing.

The outcome of the assessment is a single-figure rating by which product comparisons can be made.

SGM 3-series Result Explained

The 2.5 score is achieved mostly through 3 factors: the use of recycled materials, the inherent repairability possible with SGM Light fixtures, and a long component life. The design of the 3 series factors in the space and typical requirements of LED fixtures so that re-engineering can take place once the fixture is at end of life.