

137-022 4W 4000K specific configuration
Bulkhead | 3-CCT | IK10 | IP65

Introduction

Purpose of this Document

This document provides information for 137-022 4W 4000K. During measurement, the product is used in a different mode where output power, colour temperature and/or beam angle are changed from factory standard. These adjustments can be made without altering the product and are designed to be set by the installer. In most cases, the options are set through switches on the product.

Results

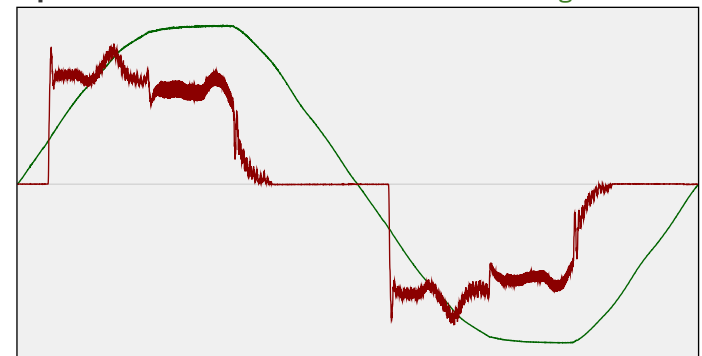
Total input power	3.6 W
Correlated Colour Temperature	4521 K
Total lumen output	310 lm
Efficiency	87 lm/W

Electrical measurement details

Input Power

RMS Input voltage feed. V_{RMS}	231 V
RMS Input current feed. I_{RMS}	0.018 A
Total input power	3.6 W
Frequency of input power	50 Hz
Power factor	0.84
Displacement power factor	0.9
Total harmonic distortion of the current	37.85%
Total harmonic distortion of the voltage	3.09%

Input Power Curve



Efficiency

Radiated power efficiency: 27.6%

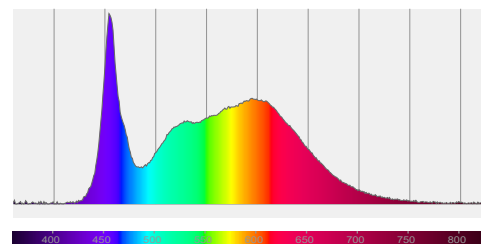
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Colour measurement details

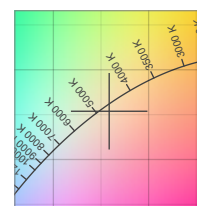
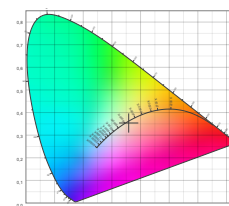
Total lumen output 310 lm
 Correlated Colour Temperature 4521 K
 Colour coordinates CIE 1931 (x;y) = (0.359;0.354)
 Colour deviation from BBL Duv = -0.0041

TM30-18 Colour Fidelity Index R_f 84.1
 TM30-18 Colour Gamut Index R_g 96.1
 Colour Rendering Index (Ra) CRI 87.2
 Colour Rendering Index. (red component) R_9 = 30.7

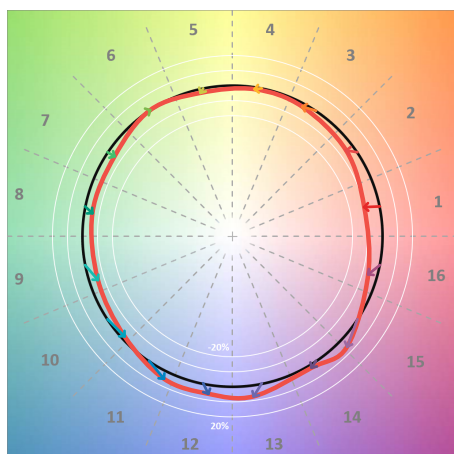
Colour Quality Scale CQS = 83.3
 Television Lighting Consistency Index TLCI = 77



Relative spectral power distribution



TM30 details



TM30 Colour vectors per hue bin



TM30 Colour distortion

Hue Bin	R_f	Shifts (%)
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