

127-134 RGB specific configuration

LED strip | COB 840LED/m | 16W/m | IP20 | RGBW (2700K)

Introduction

Purpose of this Document

This document provides information for 127-134 RGB. 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	12.1 W
Correlated Colour Temperature	0 K
Total lumen output	586 lm
Efficiency	48 lm/W

Electrical measurement details

Input Power

RMS Input voltage feed. V_{RMS}	24.0 V
RMS Input current feed. I_{RMS}	0.505 A
Total input power	12.1 W

Frequency of input power	0 Hz
Power factor	1.0
Displacement power factor	0.7

Total harmonic distortion of the current	0%
Total harmonic distortion of the voltage	0%

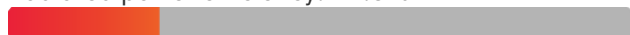
Input Power Curve

Voltage - Current



Efficiency

Radiated power efficiency: 24.5%



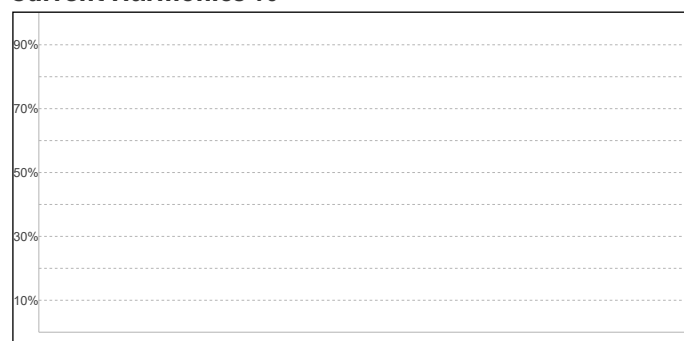
Lumen efficiency: 48 lm/W



Harmonics

3rd Harmonic	n/a
5th Harmonic	n/a
7th Harmonic	n/a
9th Harmonic	n/a
11th Harmonic	n/a

Current Harmonics %





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Colour measurement details

Total lumen output586 lm

Correlated Colour Temperature0 K

Colour coordinates CIE 1931(x;y) = (0.266;0.197)

Colour deviation from BBLDuv = n/a

TM30-18 Colour Fidelity IndexR_f 0.0

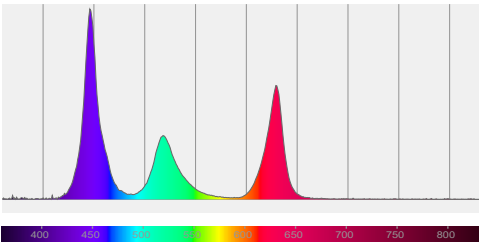
TM30-18 Colour Gamut IndexR_g 0.0

Colour Rendering Index (Ra)CRI 0.0

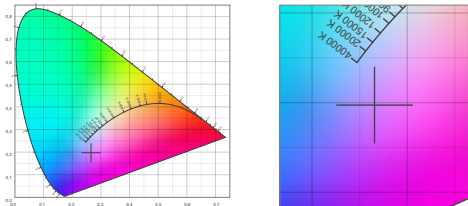
Colour Rendering Index. (red component)R9 = 0.0

Colour Quality ScaleCQS = 0.0

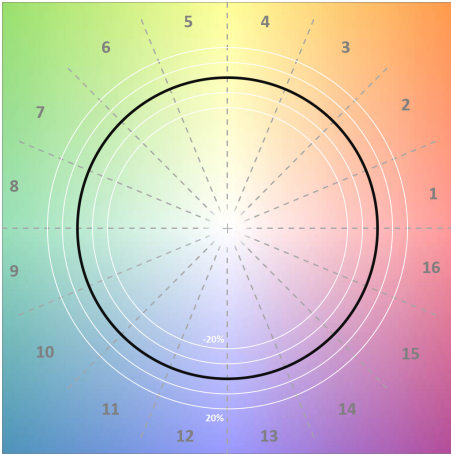
Television Lighting Consistency IndexTLCI = n/a



Relative spectral power distribution



TM30 details



TM30 Colour vectors per hue bin



TM30 Colour distortion

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
C1	0	0%	0%
C2	0	0%	0%
C3	0	0%	0%
C4	0	0%	0%
C5	0	0%	0%
C6	0	0%	0%
C7	0	0%	0%
C8	0	0%	0%
C9	0	0%	0%
C10	0	0%	0%
C11	0	0%	0%
C12	0	0%	0%
C13	0	0%	0%
C14	0	0%	0%
C15	0	0%	0%
C16	0	0%	0%

TM30-18 R_f-values per reference colour

TM30-18 R_f-values per hue bin

TM30 Chroma shift

Colour Quality details

Colour Rendering Index

Colour Quality Scale