

## 127-134 RGBW specific configuration

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

## Introduction

### Purpose of this Document

This document provides information for 127-134 RGBW. 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	16.6 W
Correlated Colour Temperature	9084 K
Total lumen output	937 lm
Efficiency	57 lm/W

## Electrical measurement details

### Input Power

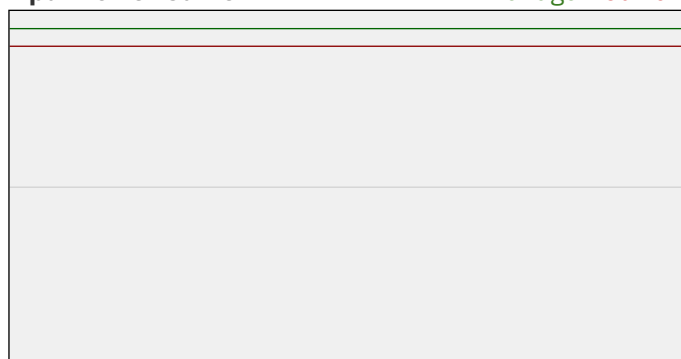
RMS Input voltage feed. $V_{RMS}$	24.0 V
RMS Input current feed. $I_{RMS}$	0.690 A
Total input power	16.6 W

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%

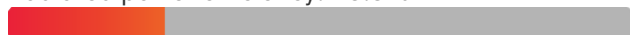
### Input Power Curve

Voltage - Current



### Efficiency

Radiated power efficiency: 25.3%



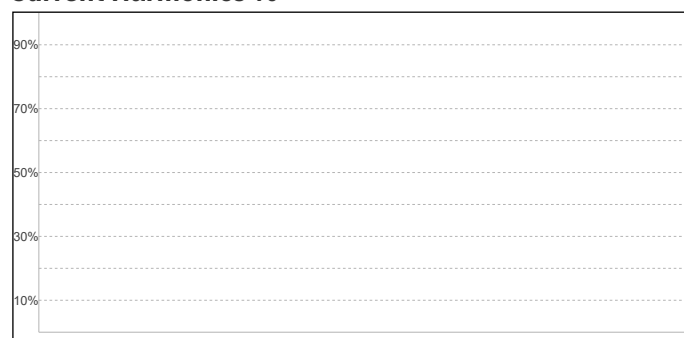
Lumen efficiency: 57 lm/W



### Harmonics

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

### Current Harmonics %



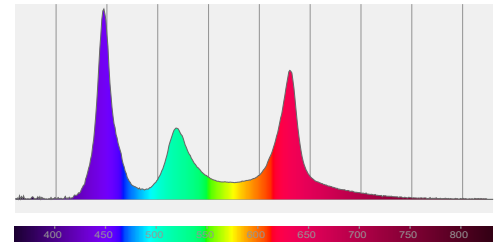
## 127-134 RGBW specific configuration

### Colour measurement details

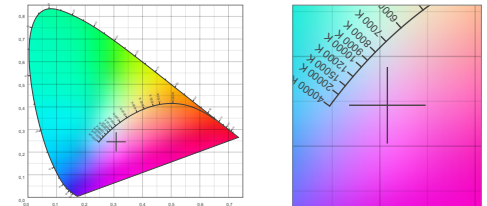
Total lumen output 937 lm  
 Correlated Colour Temperature 9084 K  
 Colour coordinates CIE 1931 (x;y) = (0.308;0.246)  
 Colour deviation from BBL Duv = -0.0439

TM30-18 Colour Fidelity Index  $R_f$  0.0  
 TM30-18 Colour Gamut Index  $R_g$  n/a  
 Colour Rendering Index (Ra) CRI 30.4  
 Colour Rendering Index. (red component)  $R_9 = -200.1$

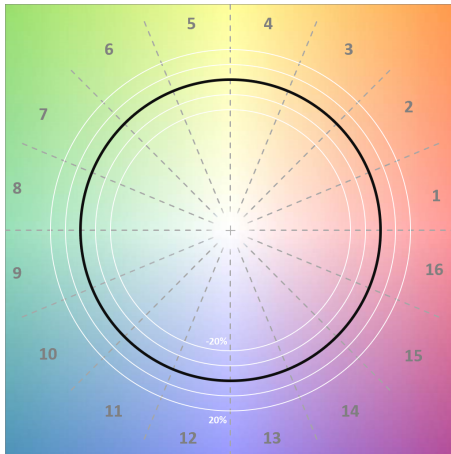
Colour Quality Scale CQS = 74.7  
 Television Lighting Consistency Index TLCI = 42



Relative spectral power distribution



### TM30 details

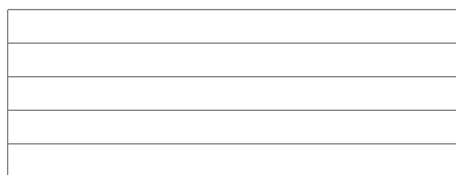


TM30 Colour vectors per hue bin

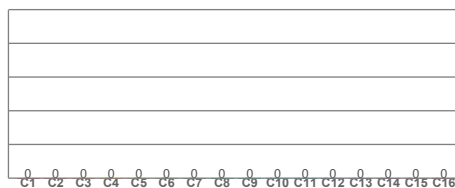


TM30 Colour distortion

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

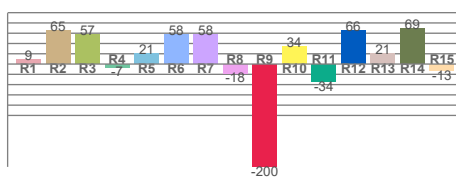


TM30-18  $R_f$ -values per hue bin

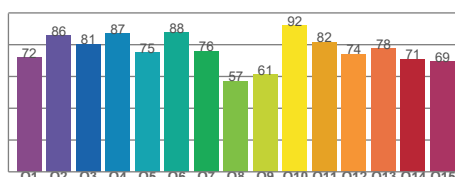


TM30 Chroma shift

### Colour Quality details



Colour Rendering Index



Colour Quality Scale