

## 127-085 CW specific configuration

LED strip | 24V | 60LED/m 5050 | 5m | IP20 | RGBTW 5in1

## Introduction

### Purpose of this Document

This document provides information for 127-085 CW. 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	3.7 W
Correlated Colour Temperature	6998 K
Total lumen output	387 lm
Efficiency	103 lm/W

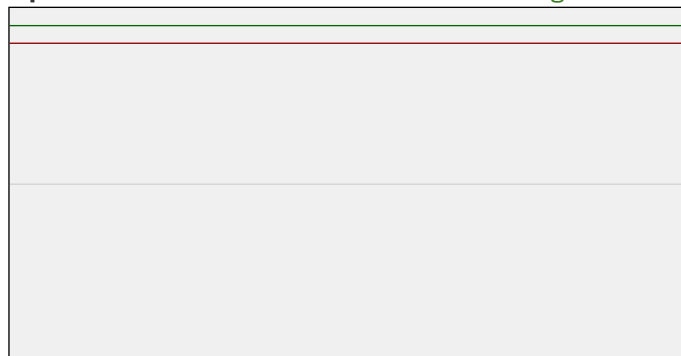
## Electrical measurement details

### Input Power

RMS Input voltage feed. $V_{RMS}$	24.0 V
RMS Input current feed. $I_{RMS}$	0.156 A
Total input power	3.7 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%

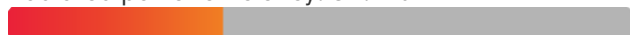
### Input Power Curve

Voltage - Current



### Efficiency

Radiated power efficiency: 34.7%



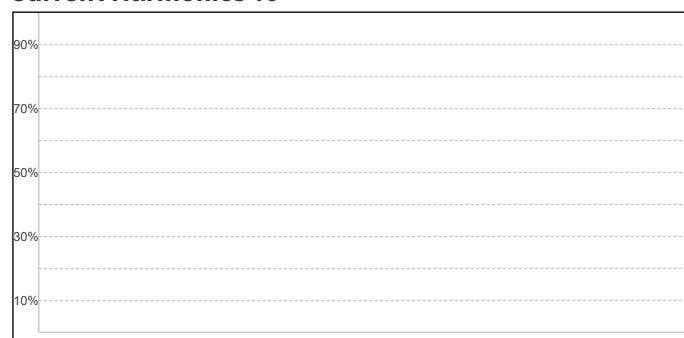
Lumen efficiency: 103 lm/W



### Harmonics

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

### Current Harmonics %



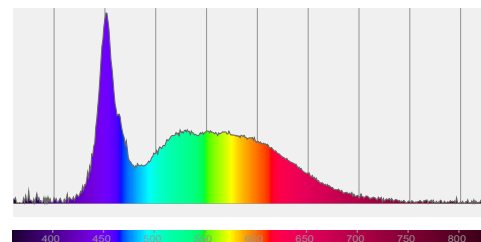
## 127-085 CW specific configuration

### Colour measurement details

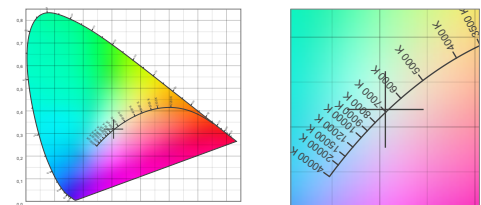
Total lumen output 387 lm  
 Correlated Colour Temperature 6998 K  
 Colour coordinates CIE 1931 (x;y) = (0.306;0.319)  
 Colour deviation from BBL Duv = 0.0018

TM30-18 Colour Fidelity Index  $R_f$  83.6  
 TM30-18 Colour Gamut Index  $R_g$  95.7  
 Colour Rendering Index (Ra) CRI 85.2  
 Colour Rendering Index. (red component)  $R_9 = 21.9$

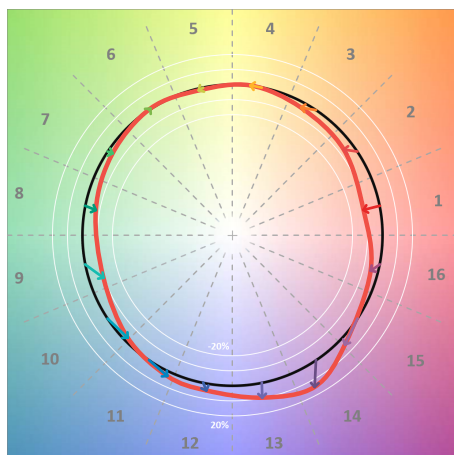
Colour Quality Scale CQS = 81.8  
 Television Lighting Consistency Index TLCI = 76



Relative spectral power distribution



### TM30 details

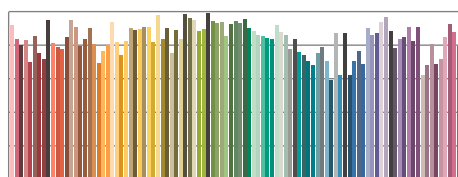


TM30 Colour vectors per hue bin

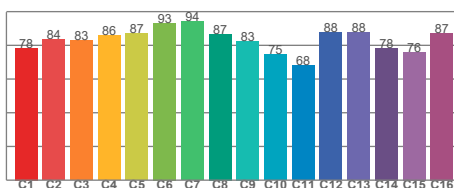


TM30 Colour distortion

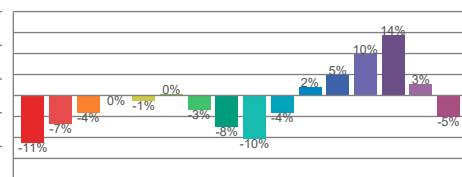
Hue Bin	$R_f$	Shifts (%)	
		Chroma	Hue
C1	78	-11%	-1%
C2	84	-7%	6%
C3	83	-4%	9%
C4	86	0%	8%
C5	87	-1%	3%
C6	93	0%	-1%
C7	94	-3%	-1%
C8	87	-8%	1%
C9	83	-10%	11%
C10	75	-4%	18%
C11	68	2%	16%
C12	88	5%	3%
C13	88	10%	-2%
C14	78	14%	-11%
C15	76	3%	-19%
C16	87	-5%	-5%



TM30-18  $R_f$ -values per reference colour

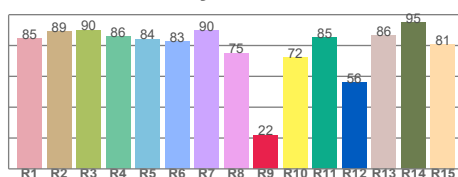


TM30-18  $R_f$ -values per hue bin

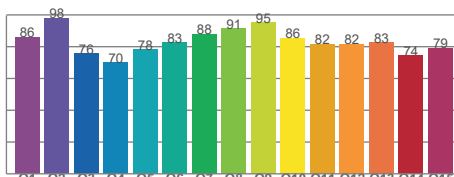


TM30 Chroma shift

### Colour Quality details



Colour Rendering Index



Colour Quality Scale