



950-087 25W 5700K specific configuration  
 Tri-proof lightbar | 1260mm | IP65 | 25/30/35/40W | 3-CCT

Introduction

**Purpose of this Document**

This document provides information for 950-087 25W 5700K. 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	22.3 W
Correlated Colour Temperature	5829 K
Total lumen output	3039 lm
Efficiency	136 lm/W

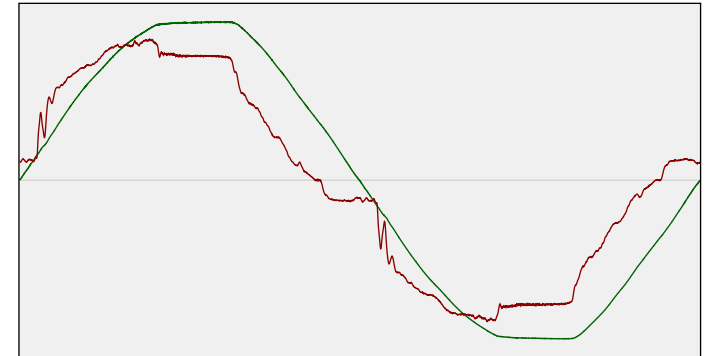
Electrical measurement details

**Input Power**

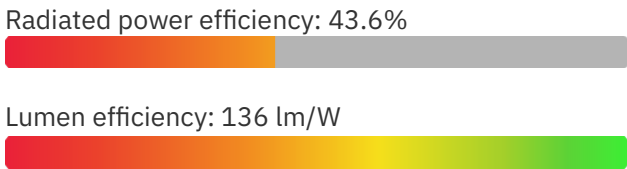
RMS Input voltage feed, $V_{RMS}$	230 V
RMS Input current feed, $I_{RMS}$	0.104 A
Total input power	22.3 W
Frequency of input power	50 Hz
Power factor	0.93
Displacement power factor	0.94
Total harmonic distortion of the current	12.87%
Total harmonic distortion of the voltage	2.54%

**Input Power Curve**

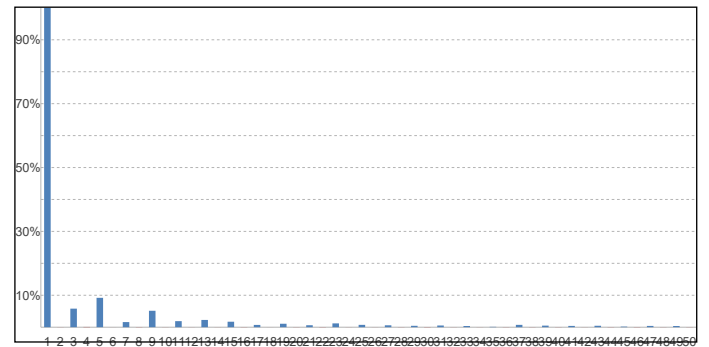
Voltage - Current



**Efficiency**



**Current Harmonics %**



**Harmonics**

3rd Harmonic	5.81%
5th Harmonic	9.2%
7th Harmonic	1.6%
9th Harmonic	5.14%
11th Harmonic	1.9%



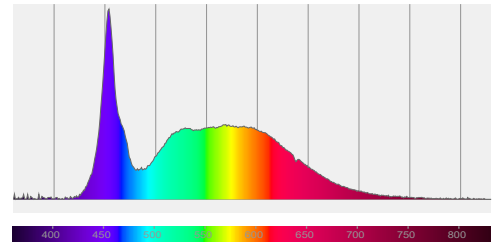
## 950-087 25W 5700K specific configuration

### Colour measurement details

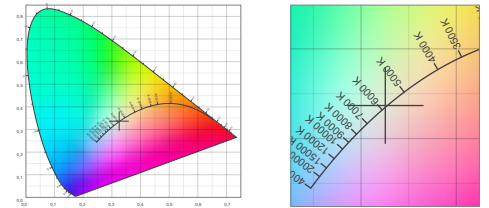
Total lumen output 3039 lm  
 Correlated Colour Temperature 5829 K  
 Colour coordinates CIE 1931 (x;y) = (0.325;0.337)  
 Colour deviation from BBL Duv = 0.0010

TM30-18 Colour Fidelity Index  $R_f$  82.4  
 TM30-18 Colour Gamut Index  $R_g$  95.0  
 Colour Rendering Index (Ra) CRI 84.2  
 Colour Rendering Index. (red component)  $R_9 = 15.9$

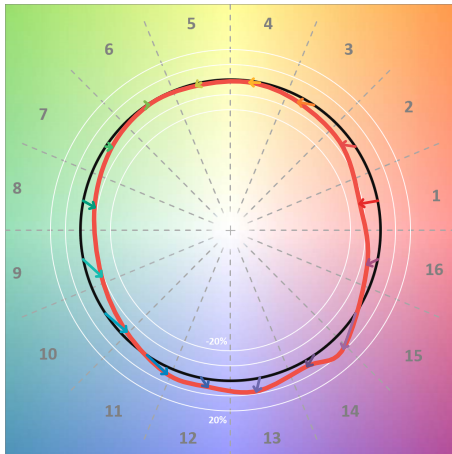
Colour Quality Scale CQS = 80.2  
 Television Lighting Consistency Index TLCI = 76



Relative spectral power distribution



### TM30 details

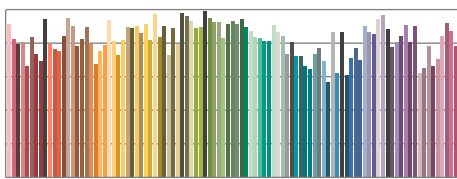


TM30 Colour vectors per hue bin

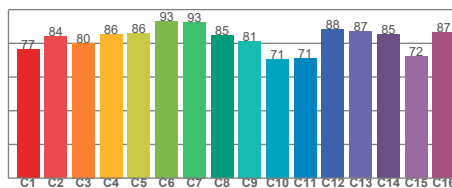


TM30 Colour distortion

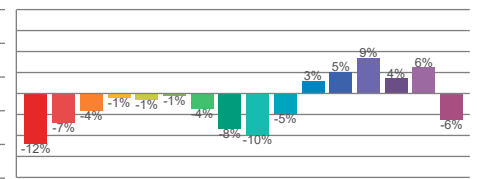
Hue Bin	$R_f$	Shifts (%)	
		Chroma	Hue
C1	77	-12%	0%
C2	84	-7%	6%
C3	80	-4%	10%
C4	86	-1%	7%
C5	86	-1%	4%
C6	93	-1%	-1%
C7	93	-4%	-2%
C8	85	-8%	3%
C9	81	-10%	13%
C10	71	-5%	18%
C11	71	3%	18%
C12	88	5%	5%
C13	87	9%	-4%
C14	85	4%	-8%
C15	72	6%	-24%
C16	87	-6%	-5%



TM30-18  $R_f$ -values per reference colour

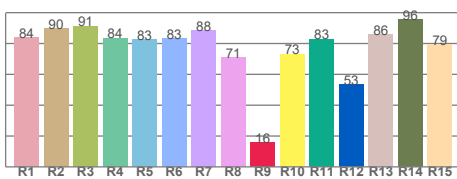


TM30-18  $R_f$ -values per hue bin

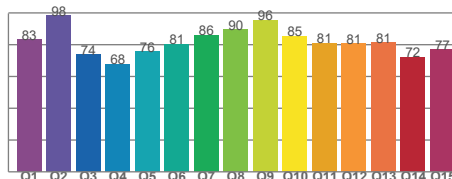


TM30 Chroma shift

### Colour Quality details



Colour Rendering Index



Colour Quality Scale