

Test Report

Luminaire Manufacturer

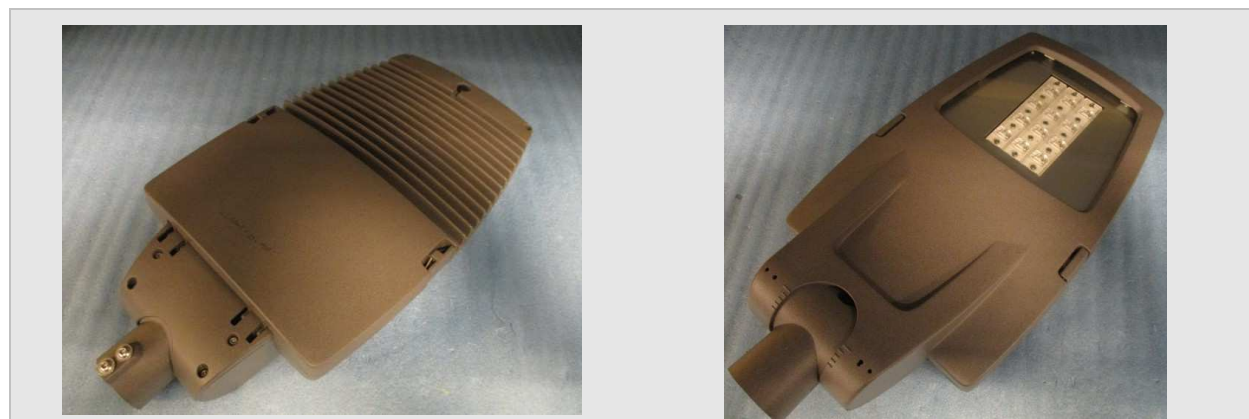
C Luce Srl

Lighting Device

506643.312 SKYLINE 48 LED 700mA 105W 4000K

Test Report Code

1006A/CL2303/19-19S-Col-G1



	
Approved by Laboratory Director (PT-DLAB)	Approved by Laboratory Technician

Report Date 06/11/19

Attachments		
▶ Photometric Test Report		<input type="checkbox"/>
▶ Electrical Parameters Measurement		<input checked="" type="checkbox"/>
▶ Results of TSI Photometric Test		<input type="checkbox"/>
▶ Colorimetric Test Report		<input checked="" type="checkbox"/>
▶ Colorimetric and Luminance Test Report		<input type="checkbox"/>
▶ Photobiological Risk Test Report		<input type="checkbox"/>
▶ Emergency Test Report		<input type="checkbox"/>
▶ Parasite Light Test (Background Noise Assessment)		<input type="checkbox"/>
▶ Declaration of Conformity to Regional Laws regarding Light Pollution		<input type="checkbox"/>
▶ Conformity Assessment to IMQ Performance - April 2014		<input type="checkbox"/>
▶ Measuring system check		<input type="checkbox"/>
▶ List of photometric data processing attached		<input type="checkbox"/>

Index

1.	Colorimetric Test Report	3
1.1	Results of Colorimetric Measurements at Goniophotometer at a Distance of 5.10 m	5
1.1.1	Average values	5
1.1.2	Resulting average spectrum of spectral radiance measurements at goniophotometer	5
1.1.3	CIE 1931 Color Plan of spectral radiance measurements at goniophotometer	6
1.2	Electrical Parameters during Test.....	7
1.3	Test Notes.....	7

1. Colorimetric Test Report

Colorimetric Test Code	1006A/CL2303/19-19S-Col-G1		
Laboratory Director	Mr. Stefano Borsani		
Laboratory Technician	Mr. Abdellatif Zaher		
Manufacturer Data			
Manufacturer	C Luce Srl		
OxyTech Manufacturer Code	CL2303		
Address	Via Marmolada, 5/11 - 20060 Truccazzano (MI)		
Contact Person	Mr. Mirko Del Giudice		
Lighting Device Data			
Type	Road Luminaire		
Model	SKYLINE		
Description	506643.312 SKYLINE 48 LED 700mA 105W 4000K		
Dimensions [mm]	630-330-140		
Light Area Dimensions [mm]	210-250-0		
Led Type and Make	SAMSUNG LH181B		
Ballast Type and Make	PHILIPS Xitanium 150W 0.70A 1-10V 230V S240 sXt 9290 014 055		
Heat Sink Type and Make	---		
Laboratory Ballast/Lamp References	---		
Test Data			
Test Date	06-11-19		
Measurement Type	Asymmetric C-γ		
Reference Norm	EN 13032-4:2015		
Internal Reference Documents	Procedure	PT1006c	Instruction IS1006c
Lamp Stabilization Time	30 min		
Uncertainties			
Source Instability	=< 1%		
Angular Precision in C and γ	± 0.05°		

Laboratory Measuring Instruments	
Goniophotometer (G1)	<p>T2 Luminaire rotation Goniophotometer in accordance with:</p> <ul style="list-style-type: none"> ▶ Norm EN 13032-1:2004 types 1.1, 1.2 and 1.3 ▶ Recommendation CIE 70:1987 Chap.5 types 2 and 3 <p>Serial Number: OX-048</p> <p>Measuring distance: 5.10 m</p>
Voltage Stabilizer	Electrotest model TPS/M 6000- Serial Number: OX037
Multimeter	Kinetiq Ppa5530 Serial Number: OX-031
Anemometer	Delta Ohm-HD2001.2 Serial Number: OX-039
Thermometer	Delta Ohm-HD2001.2 Serial Number: OX-040
Colorimeter	Jeti Spectroradiometer Specbos 1201 Focus Serial Number: OX-030

Electrical Parameters Test	
Source Voltage	230 V \pm 0.2%
Harmonic Distortion	< 0,5%
Source Frequency	50 Hz \pm 0.1%

Environmental Conditions	
Laboratory Temperature [°C]	25°C \pm 1°C
Relative Humidity	60%
Air Movement	< 0,2 m/s

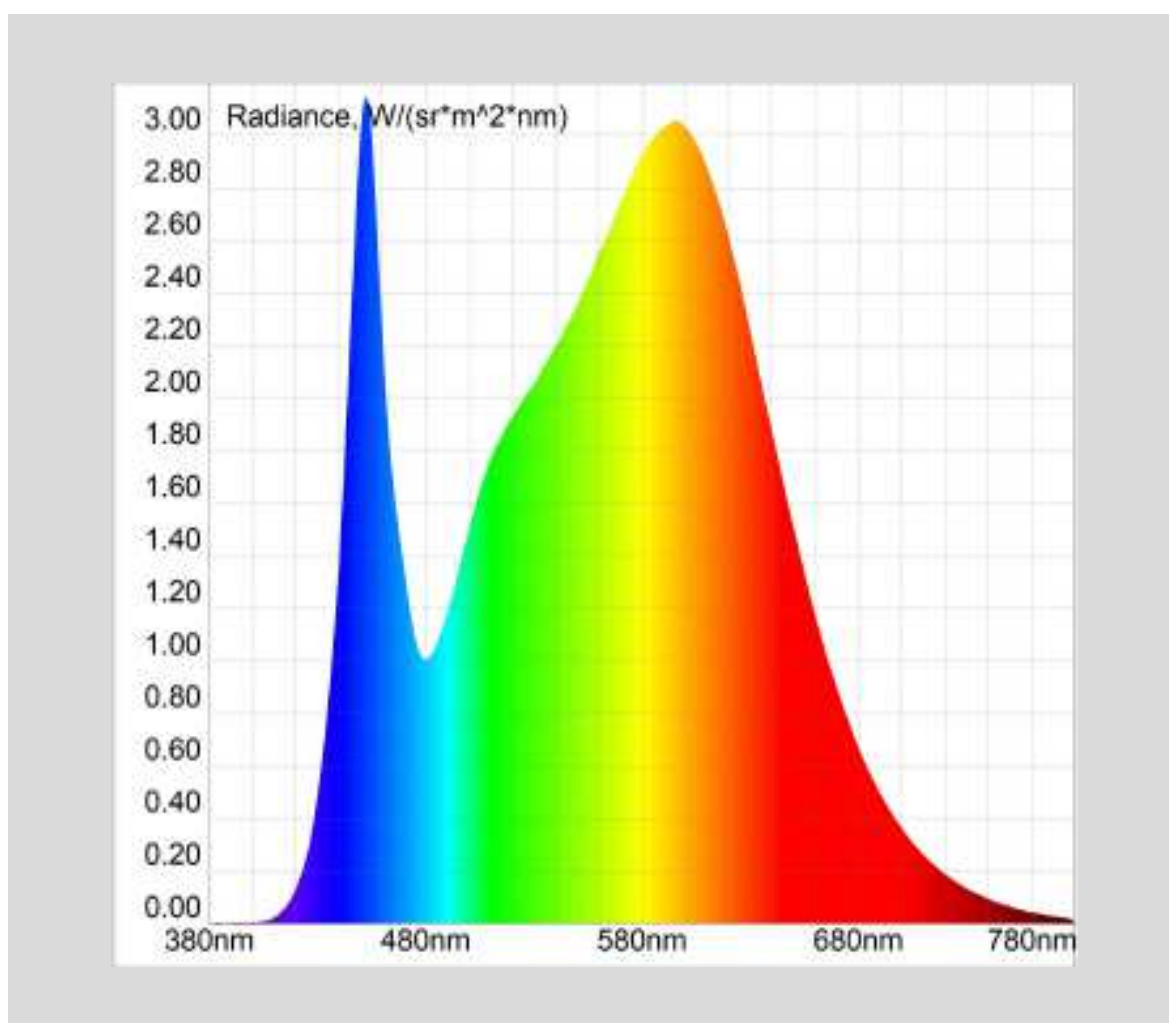
Colorimetric Characteristics	
Measurement Description	1. The colorimetric measurement is performed in fixed positions.

1.1 Results of Colorimetric Measurements at Goniophotometer at a Distance of 5.10 m

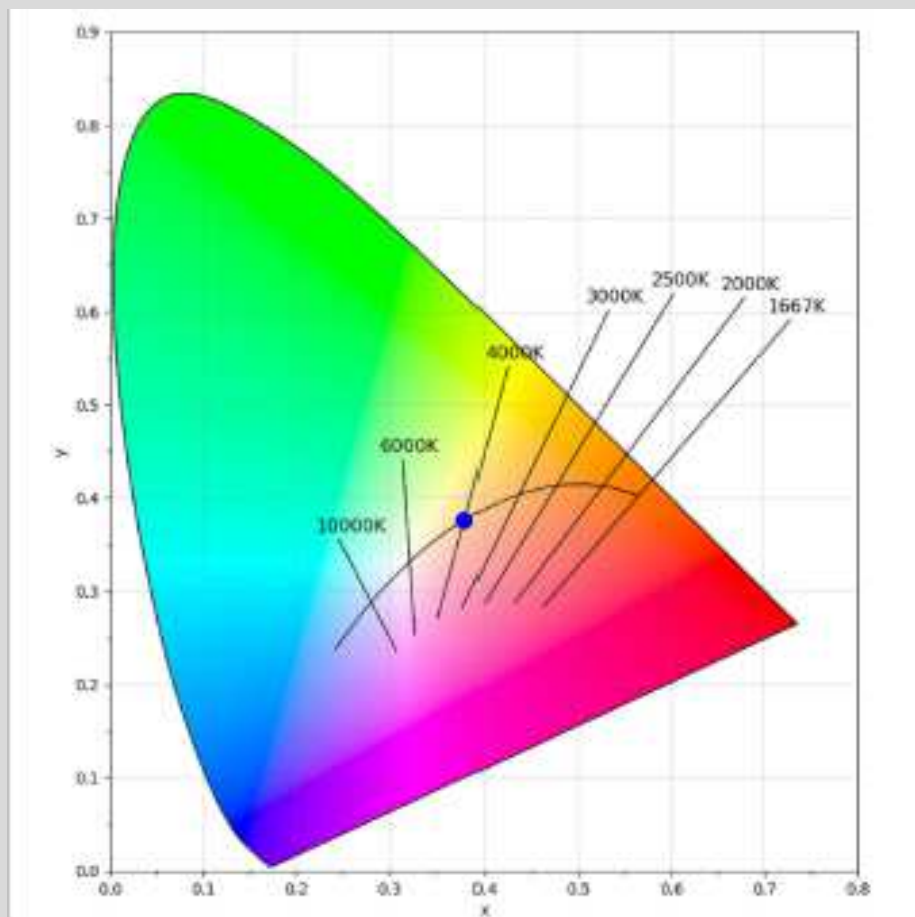
1.1.1 Average values

CIE Chromatic Coordinates				
▶ 1931 (x, y)	x	0.3804	y	0.3757
▶ 1976 (u', v')	u'	0.2255	v'	0.5011
▶ Correlated Color Temperature	CCT	3992K		
▶ Delta (u' v')		0.0082		
▶ Ra ₈		83.4		
▶ Ra ₁₅		77.1		

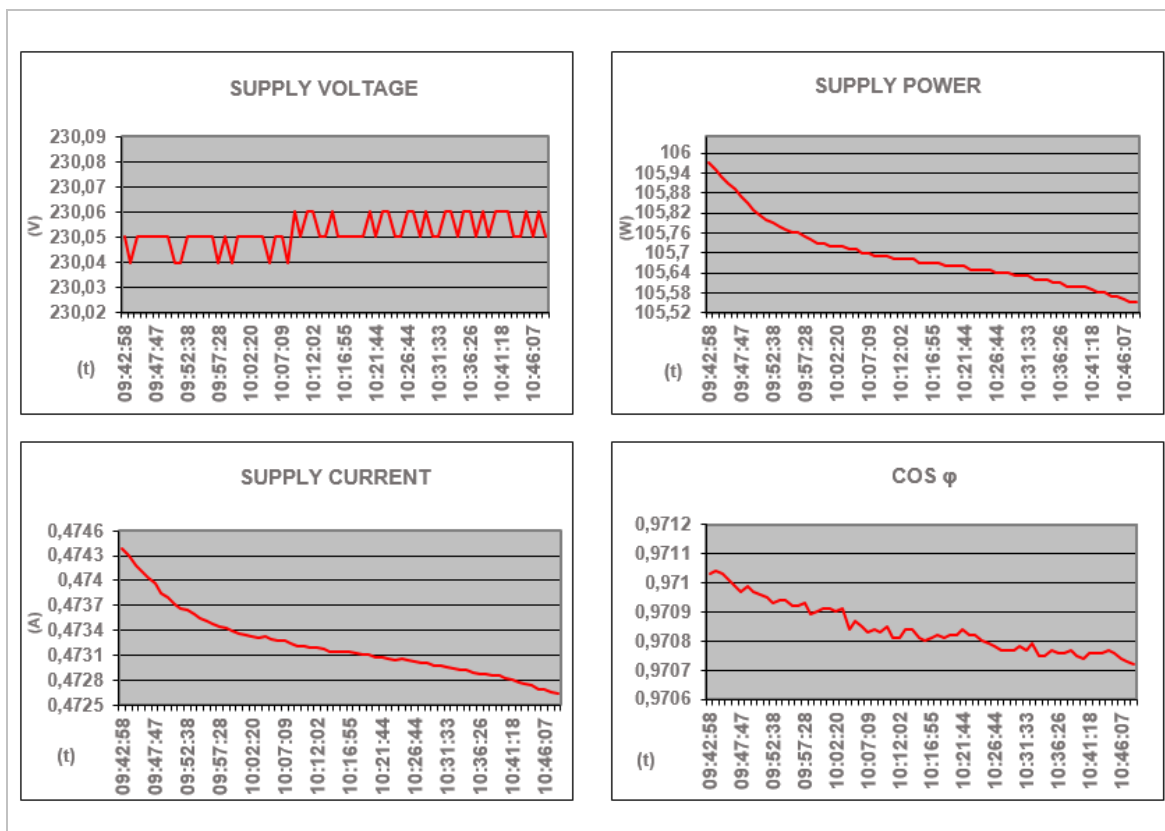
1.1.2 Resulting average spectrum of spectral radiance measurements at goniophotometer



1.1.3 CIE 1931 Color Plan of spectral radiance measurements at goniophotometer



1.2 Electrical Parameters during Test



1.3 Test Notes

- The data in this report correspond to those obtained as per the above-described test
- This Report only concerns the sample under trial
- The information contained in this report cannot be extended to other sample luminaires that differ in any way from those used in this test
- The Test Report Code is shown on the luminaire shield and reflector and cannot be deleted

	
Approved by Laboratory Director (PT-DLAB)	Approved by Laboratory Technician