UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
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IAS ACCREDITED Testing Laboratory

NVLAP TESTING NVLAP LAB CODE 201042-0

Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-10-2014, CIE 13.3-1995
CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

Prepared For

Enolight Ltd

17-25 Valleywood Dr
Markham, ON L3R 5L9
Canada

Catalog Number

SPK8115F (5500K)

Order Number
14167256
Test Number
14167256.02

Test Date

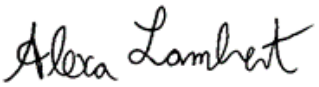
2022-01-20

Prepared By



Josh Mitchell, Technician

Approved By



Alexa Lambert, Project Handler

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Formed aluminum housing, frosted plastic lens enclosure
Lamp: 560 white LEDs
Mounting: Recessed
Ballast/Driver: Integrated

Luminaire



Summary of Results

Radiant Flux:	6303 mW
Luminous Flux:	1649 lm
Luminaire Efficacy:	61.2 lm/W
CCT:	5873 K
CRI (Ra):	97.7
Chromaticity (x):	0.3240
Chromaticity (y):	0.3425
Chromaticity (u):	0.2006
Chromaticity (v):	0.3180
Duv:	0.0039

Test Conditions

Test Temperature:	25.6	°C
Voltage:	24.00	VDC
Current:	1.124	A
Power:	26.94	W

Testing was performed in a 3-meter integrating sphere using the 4π geometry method.
Absorption correction was employed for this measurement.

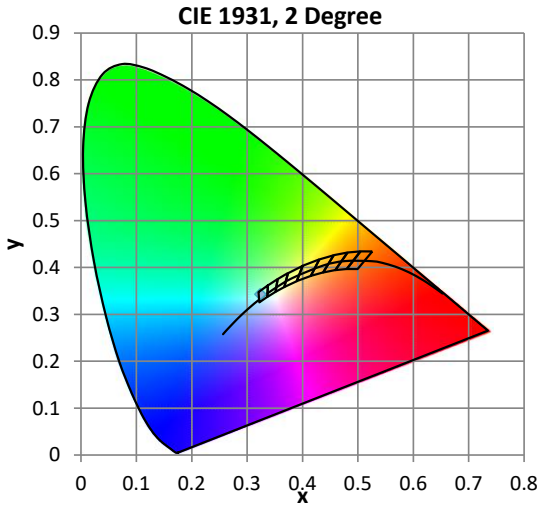
Color Quality - Integrating Sphere

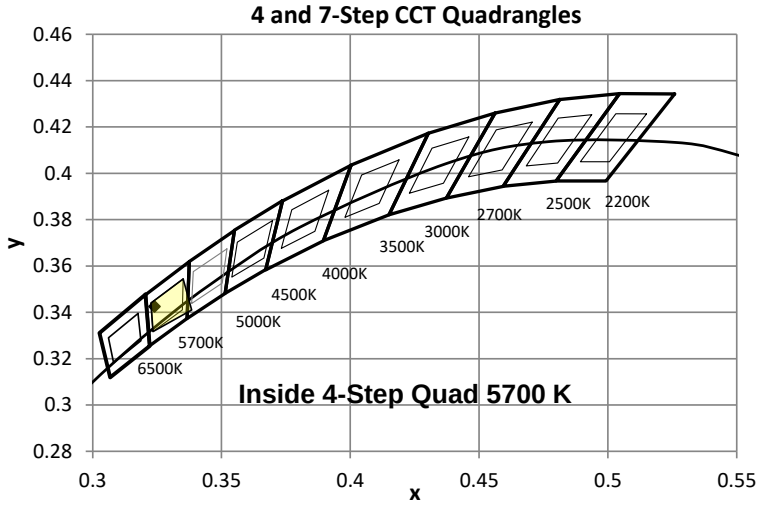
Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.6 °C	24.00 VDC	1.124 A	26.94 W	N/A	N/A	N/A

Summary of Results

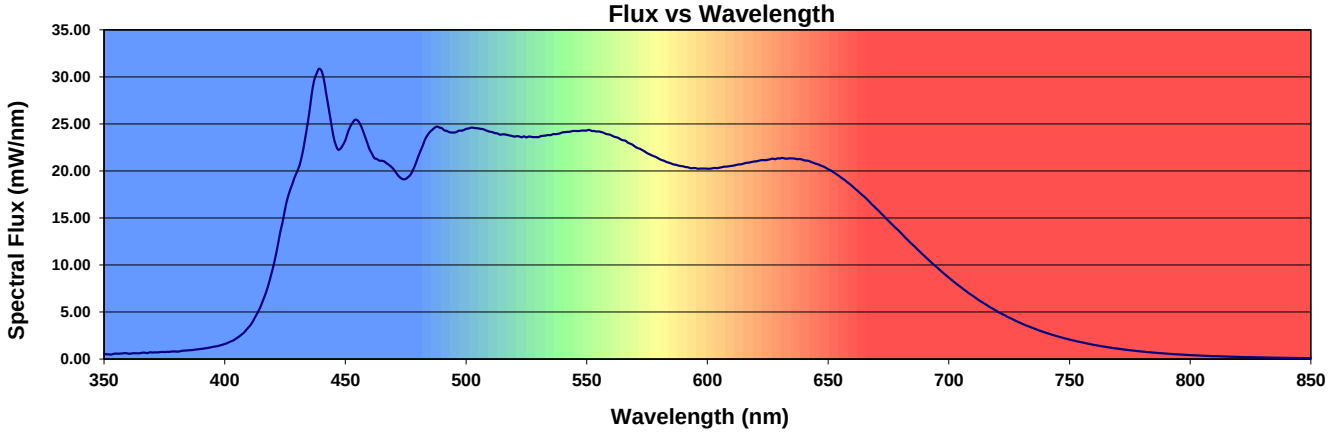
Total Output:	1649	Lumens	**Chromaticity (x):**	0.3240
Efficacy:	61.2	lm/w	**Chromaticity (y):**	0.3425
CCT:	5873	K	**Chromaticity (u'):**	0.2006
CRI (Ra):	97.7		**Chromaticity (v'):**	0.4770
CRI (R9):	96.8		**TM-30 Rf:**	98
Peak Wavelength:	439	nm	**TM-30 Rg:**	101
Dominant Wavelength:	505	nm	**TM-30 Rcs,h1:**	0%
S/P Ratio:	2.32		**Duv:**	0.0045
M/P Ratio:	1.02	WELL Building Standard v2		





Color Rendering Index Detail

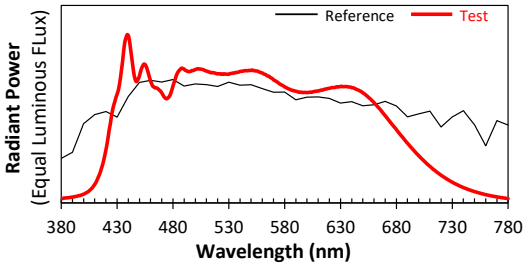
Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.7	98.0	97.8	97.3	97.7	98.0	97.0	97.8	97.6	96.8	95.3	97.8	95.7	97.6	98.5	97.9

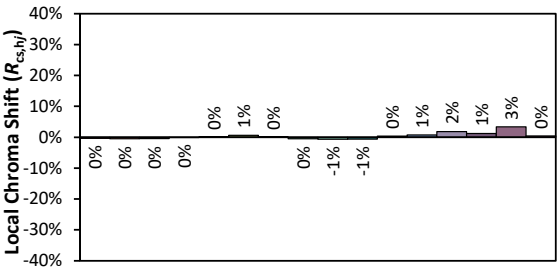


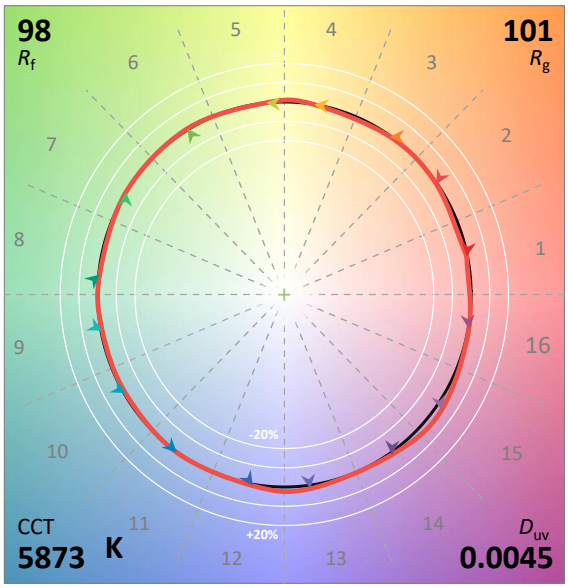
ANSI/IES TM-30-18 Color Rendition Report

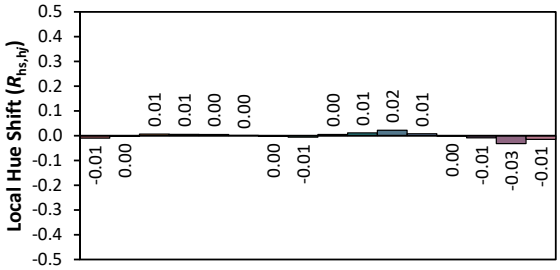
Date: 2022-01-20 **Manufacturer:** Enolight Ltd

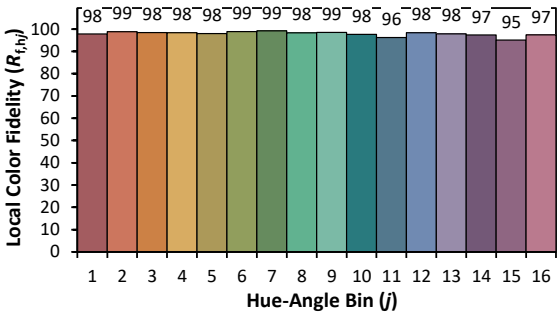
Model: SPK8115F (5500K)

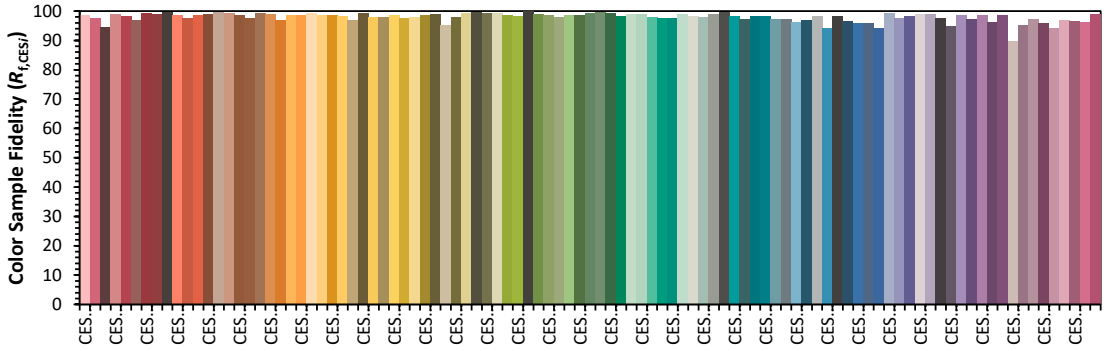












Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x	**0.3240**
y	**0.3425**
u'	**0.2006**
v'	**0.4770**

CIE 13.3-1995 (CRI)

R_a	98
R_9	97

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00.