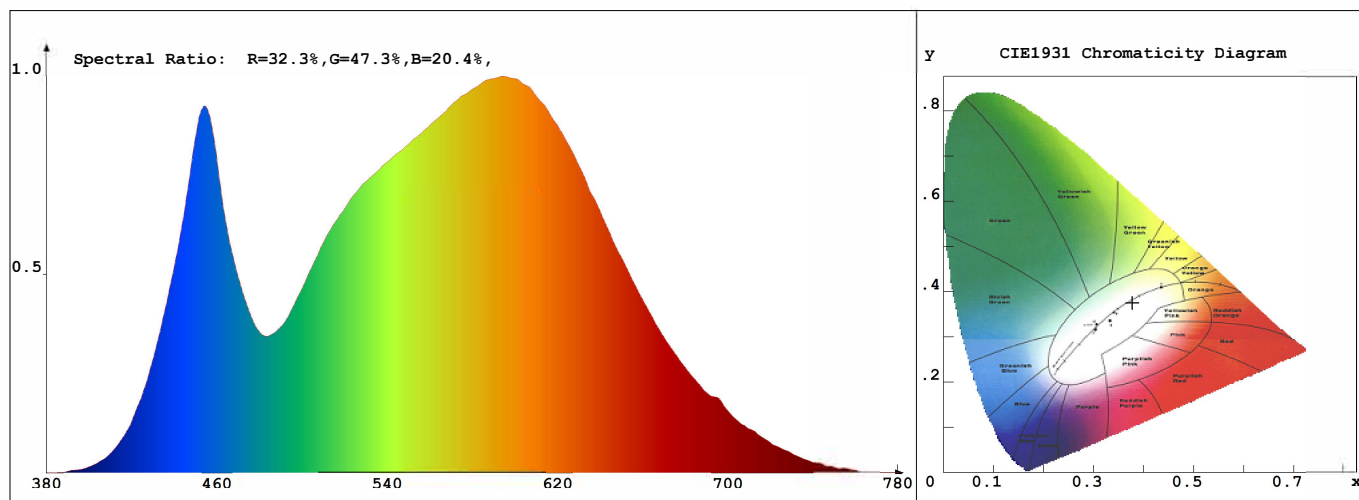


# Luminaire test report

## Product Mark

Product Type : Zoombar\_2 .2\_24V\_562mA  
 Temperature : 22'C  
 Operator : EL  
 Remark: LO A 700mA WITHOUT LENS

Manufacturer : Lumen Warm Inc.  
 Humidity : 19%  
 Test Date : 2020-04-22 11:09:05



## Chroma Parameters

Chro.Coar.:x=0.3772 y=0.3755 u=0.2235 v=0.3337 duv=0.0004  
 CCT: 4080K Dominant Wave.:578.5nm Purity:25.9% Centre Wave:577.7nm  
 Flux RGB Ratio:R=17.3%,G=80.0%,B=2.6% Peak Wave:593.9nm Half Width:151.1nm

## Rendering Index:Ra= 83.3 CRI= 79.3

R1 =81	R2 =89	R3 =94	R4 =83	R5 =83	R6 =86	R7 =86	R8 =66
R9 =12	R10=73	R11=81	R12=66	R13=83	R14=97	R15=76	
Fidelity Index(Rf)=83.2				Gamut Index(Rg)=95.4			

## Photo Parameters

Flux:1282.43lm      Effi.:95.1lm/W      Radiant:3676.6mW      Iv:0.0mcd  
 Efficiency:0.14      Effi Level:A+ (EU 874-2012)

## Ele. Parameters

Voltage:U=24.00V      Current:I=0.5620A  
 Power:P=13.480W      Power Factor:PF=1.000

## Instrument state

Instrument:Hopoo HP8000  
 VDark: 1053

Integral Time: 122.571ms  
 Scan Range: 380-780nm

VPeak: 12825  
 Product ID: 201901623

# IES TM-30-2015 Test Report

## Product Mark

Product Type : Zoombar\_2 .2\_24V\_562mA

Temperature : 22'C

Operator : EL

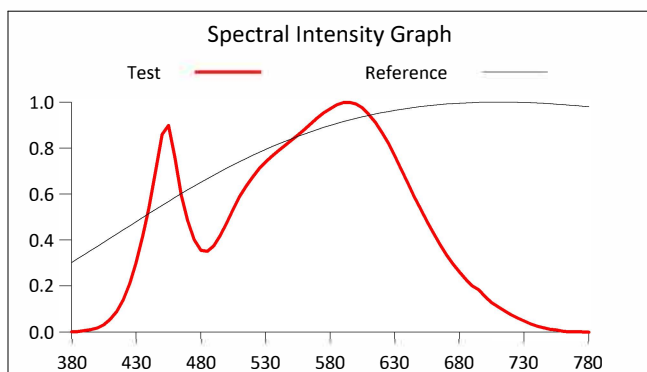
Remark: LO A 700mA WITHOUT LENS

Manufacturer : Lumen Warm Inc.

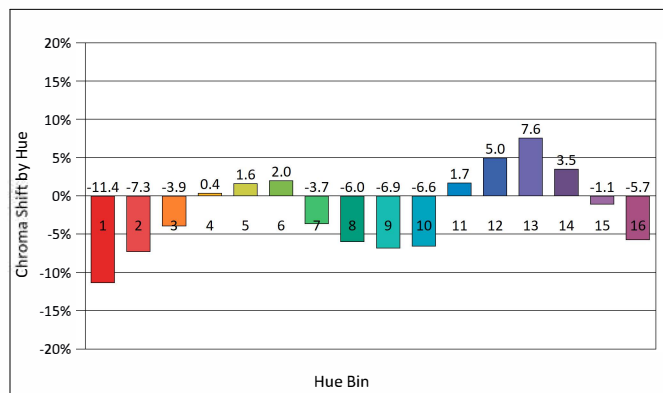
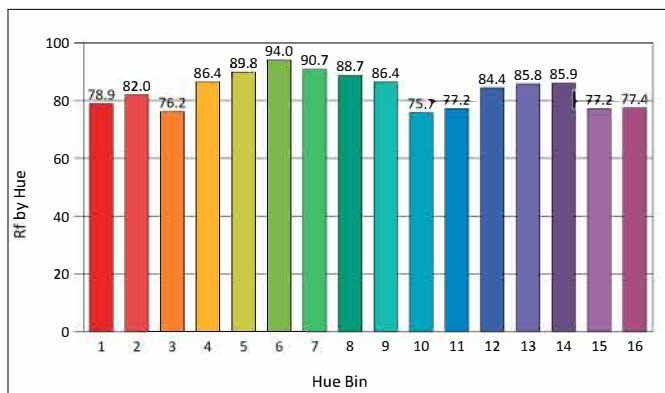
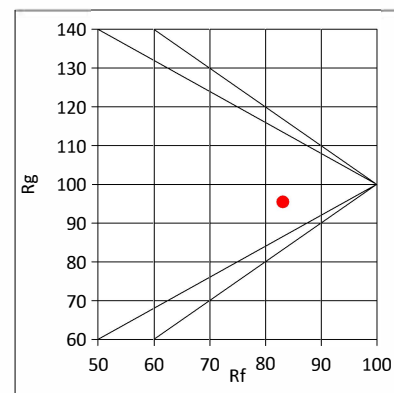
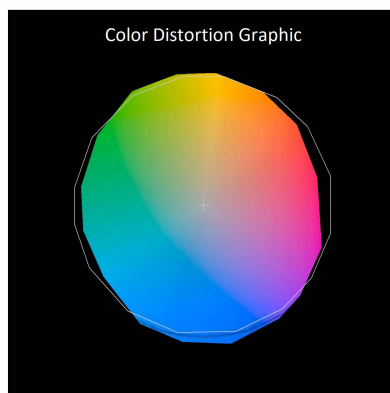
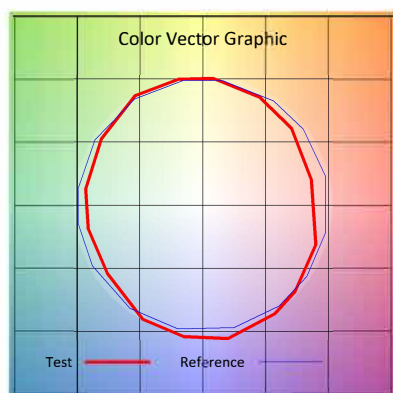
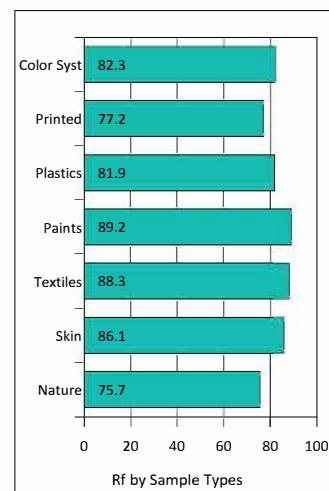
Humidity : 19%

Test Date : 2020-04-22 11:09:05

Rf: 83.2 CCT(K): 4080 u': 0.2235  
 Rg: 95.4 LER: 324.0 Duv: 0.0004 v': 0.3337



Hue Bin	Graphic Shifts (%)		
	Rf	Chroma	Hue
1	78.9	-11.4%	-0.6%
2	82.0	-7.3%	5.8%
3	76.2	-3.9%	10.8%
4	86.4	0.4%	7.4%
5	89.8	1.6%	4.1%
6	94.0	2.0%	-1.7%
7	90.7	-3.7%	-3.6%
8	88.7	-6.0%	-1.1%
9	86.4	-6.9%	5.1%
10	75.7	-6.6%	11.6%
11	77.2	1.7%	13.4%
12	84.4	5.0%	5.7%
13	85.8	7.6%	-6.6%
14	85.9	3.5%	-6.2%
15	77.2	-1.1%	-15.2%
16	77.4	-5.7%	-11.4%



# IES TM-30-2015 Test Report

## Product Mark

Product Type : Zoombar\_2 .2\_24V\_562mA

Temperature : 22 'C

Operator : EL

Remark: LO A 700mA WITHOUT LENS

Manufacturer : Lumen Warm Inc.

Humidity : 19%

Test Date : 2020-04-22 11:09:05

