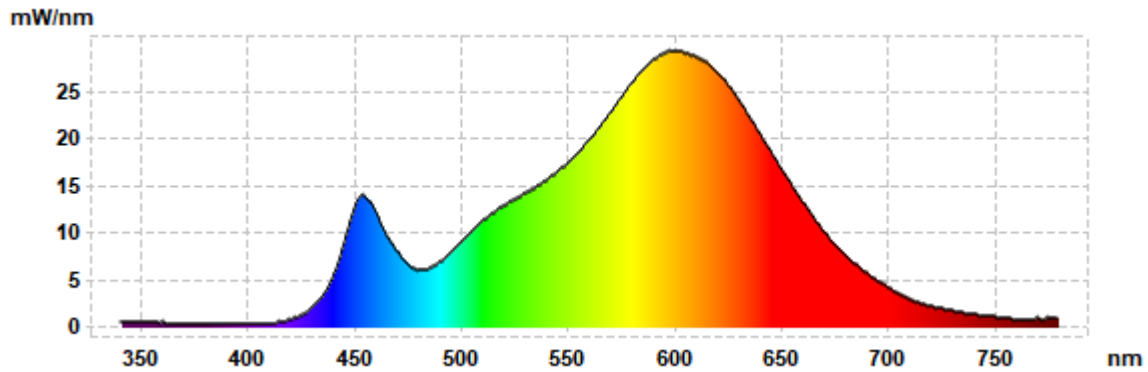


GL SpectroSoft Report  
Lighting Research & Measurement Center  
Spectrum



Measurement name: 2020-02-12T10:52:28  
 Measurement time: 2020-02-12 10:52:28  
 Report time: 2020-06-23 15:16:49  
 Device: GL SPHERE 2000 SPECTIS 1.0 VIS  
 Power: IT7321 AC ITECH  
 Ambient Temperature: [C]

Client name: LED line®  
 Model name: AURA smart 18W 1200-1400lm WW  
 Item No: 470652  
 Serial No.: 68812  
 Made by: Radosław Kośnik

**Results**

CIE 1931 2° observer	
x	0,4412
y	0,4048
u'	0,2530
v'	0,5223
L	100,00
a	23,34
b	59,12
X	1539,36
Y	1412,39
Z	537,54

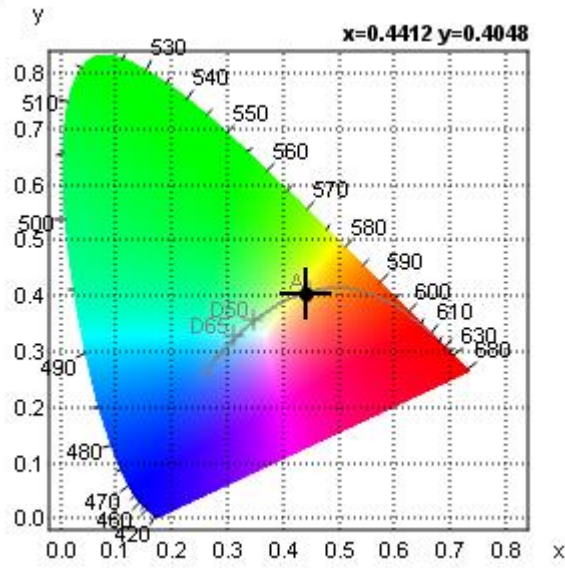
CIE 1964 10° observer	
x	0,4480
y	0,4010
u'	0,2591
v'	0,5218
L	100,00
a	28,13
b	58,94
X	1658,18
Y	1484,15
Z	558,77

Other	
<b>CCT [K]</b>	<b>2935</b>
Chromaticity Error	0,003
Color Peak	600,88
Color Peak Value	29,34
Color Dominant	583,2
<b>Luminous Flux [lm]</b>	<b>1412,39</b>
Purity	
Radiometric	4,2888
PAR	
PPFD	
<b>Luminous Efficacy</b>	<b>77,9919 lm/W</b>
Power [W]	18.1095
Power Factor	0.547
Current [A]	0.143127
Voltage [V]	229.992
Duv	0,0003

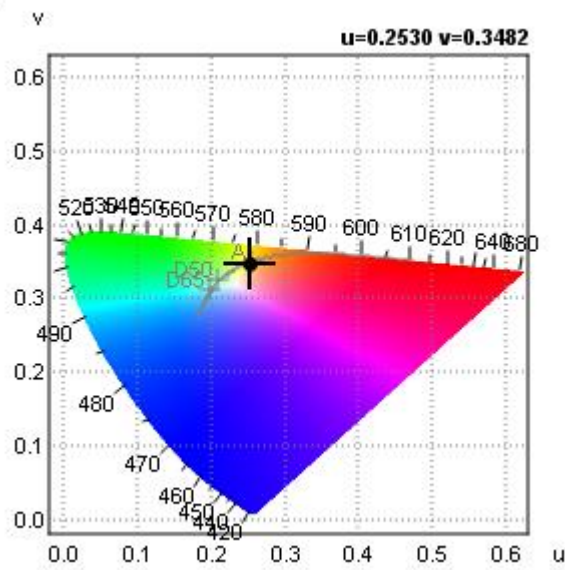
Rendering Indices	
<b>Ra</b>	<b>81,4</b>
R1	79,9
R2	91,4
R3	94,8
R4	78,1
R5	80,1
R6	89,8
R7	80,9
R8	56,1
R9	2,7
R10	80,6
R11	77,0
R12	71,2
R13	82,7
R14	97,9

Metamerism Indices	
Mivis	2,6
Miuv	3,4

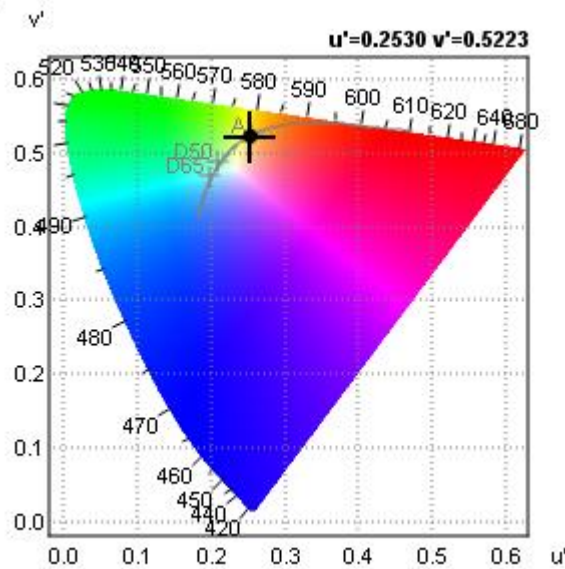
**CIE 1931**

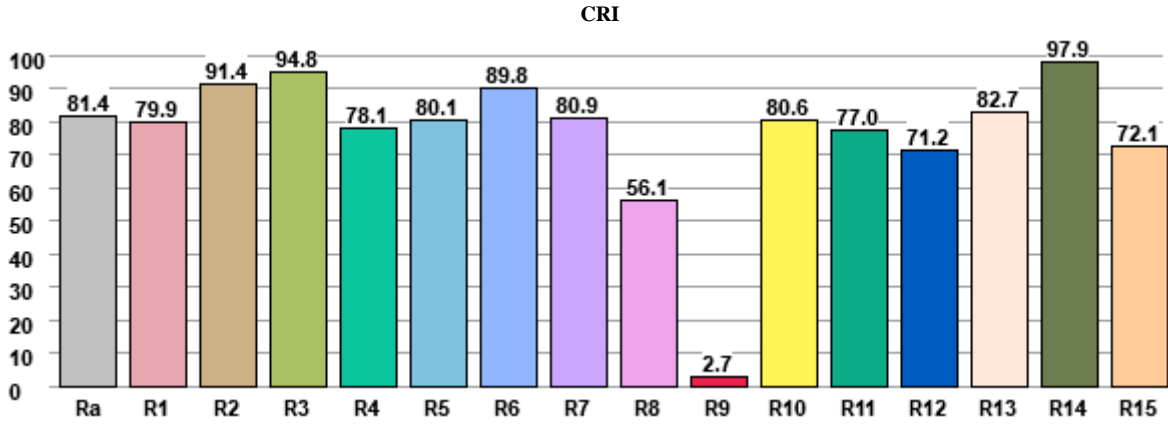


**CIE 1960**

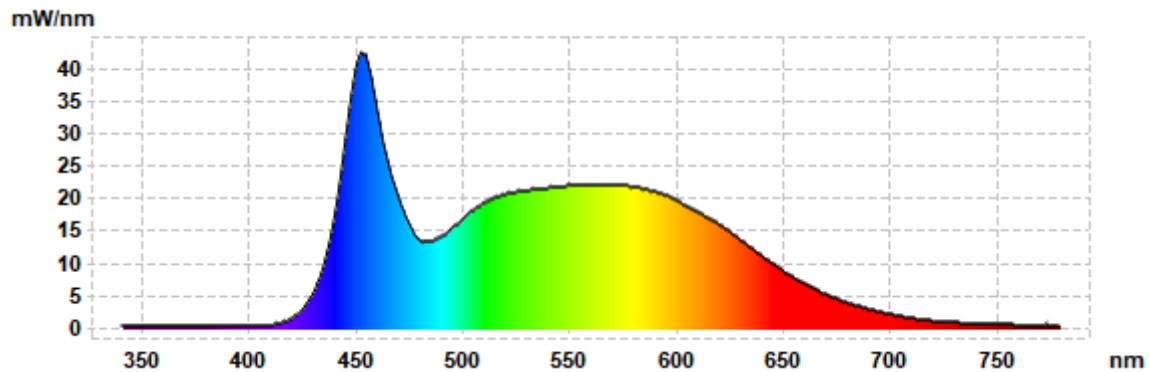


**CIE 1976**





GL SpectroSoft Report  
Lighting Research & Measurement Center  
**Spectrum**



Measurement name:	2020-02-12T11:22:41	Client name:	LED line®
Measurement time:	2020-02-12 11:22:41	Model name:	AURA smart 18W 1200-1400lm CW
Report time:	2020-06-23 15:19:36	Item No:	470652
Device:	GL SPHERE 2000 SPECTIS 1.0 VIS	Serial No.:	68812
Power:	IT7321 AC ITECH	Made by:	Radosław Kośnik
Ambient Temperature:	[C]		

**Results**

CIE 1931 2° observer	
x	0,3164
y	0,3382
u'	0,1969
v'	0,4737
L	100,00
a	-2,64
b	4,20
X	1359,71
Y	1453,46
Z	1484,89

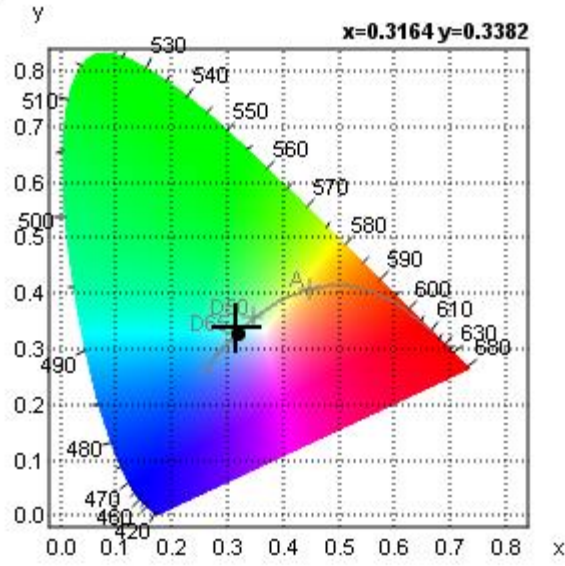
CIE 1964 10° observer	
x	0,3217
y	0,3399
u'	0,2000
v'	0,4754
L	100,00
a	-0,27
b	4,95
X	1493,60
Y	1577,93
Z	1570,67

Other	
<b>CCT [K]</b>	<b>6260</b>
Chromaticity Error	0,003
Color Peak	452,91
Color Peak Value	42,44
Color Dominant	495,4
<b>Luminous Flux [lm]</b>	<b>1453,46</b>
Purity	
Radiometric	4,6712
PAR	
PPFD	
<b>Luminous Efficacy</b>	<b>79,3617 lm/W</b>
Power [W]	18,3144
Power Factor	0,552
Current [A]	0,144119
Voltage [V]	230,014
Duv	0,0060

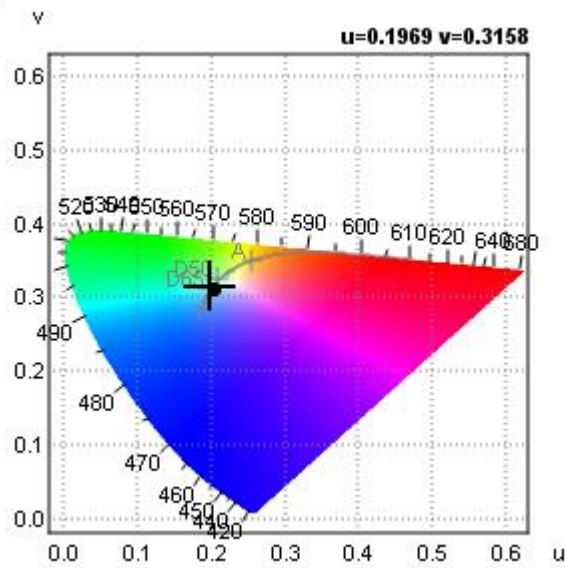
Rendering Indices	
<b>Ra</b>	<b>84,2</b>
R1	82,1
R2	90,5
R3	94,4
R4	81,5
R5	82,3
R6	85,7
R7	88,0
R8	69,2
R9	9,3
R10	76,8
R11	81,0
R12	59,6
R13	84,9
R14	97,4

Metamerism Indices	
Mivis	2,2
Miuv	5,3

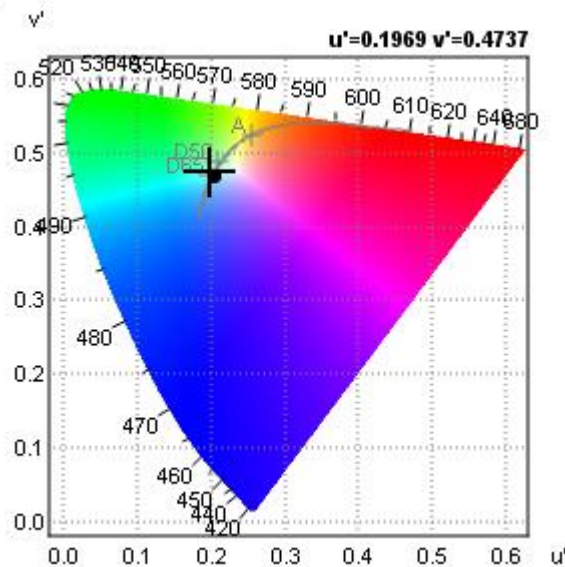
CIE 1931



CIE 1960



CIE 1976



CRI

