

GL GONIOSPECTROMETER
Lighting Research & Measurement Center

Report Wizard Sample Description Lines

Client name: *LED line®*
Model name: *Panel LED line okrągły Easy Fix 6W 470lm 4000K*
Item No: *248788*
Serial No.: *48312*
Made by: *Radosław Kośnik*

Eulumdat Fields

Company: *LEDline®*
Report number: *B568*
LuminaireName: *Panel LED line okrągły Easy Fix 6W 470lm 4000K*
LuminaireNumber: *248788*
FileName: *B568_248788_48312_G_20190617_R_P*
Date: *2019-06-17*

Dimensions of luminaire

Length: *113 mm*
Width: *0 mm*
Height: *13 mm*

Dimensions of luminous area

Length: *74 mm*
Width: *0 mm*
C0-plane *0 mm*
C90-plane *0 mm*
C180-plane *0 mm*
C270-plane *0 mm*

Lamps:

Number of lamps: 1
 Type of lamps: 0
 Total luminous flux: 464,70 lm
 Color temperatur: 3890.11 K
 Color rendering index: 80,62
 Wattage including ballast: 6,29 W

Utilization factors:

k = 0.60 0,274
 k = 0.80 0,362
 k = 1.00 0,439
 k = 1.20 0,515
 k = 1.50 0,573
 k = 2.00 0,663
 k = 2.50 0,714
 k = 3.00 0,753
 k = 4.00 0,805
 k = 5.00 0,838

Electrical parameters

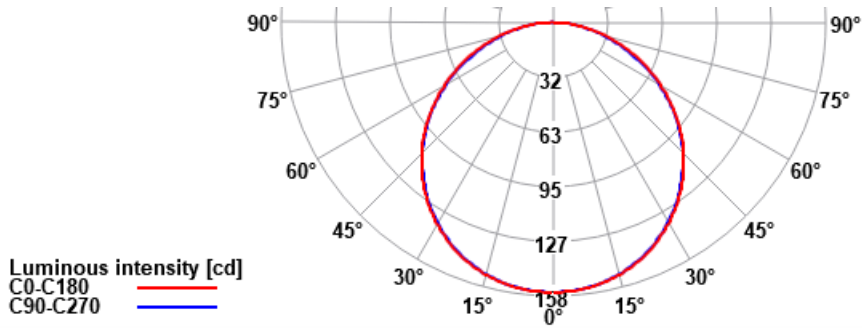
Power source: IT7321 300VA
 U = 230,057 V
 I = 0,051 A
 P = 6,298 W
 Power factor = 0,542

Temperature = 24.4 C

Goniometric measurement results

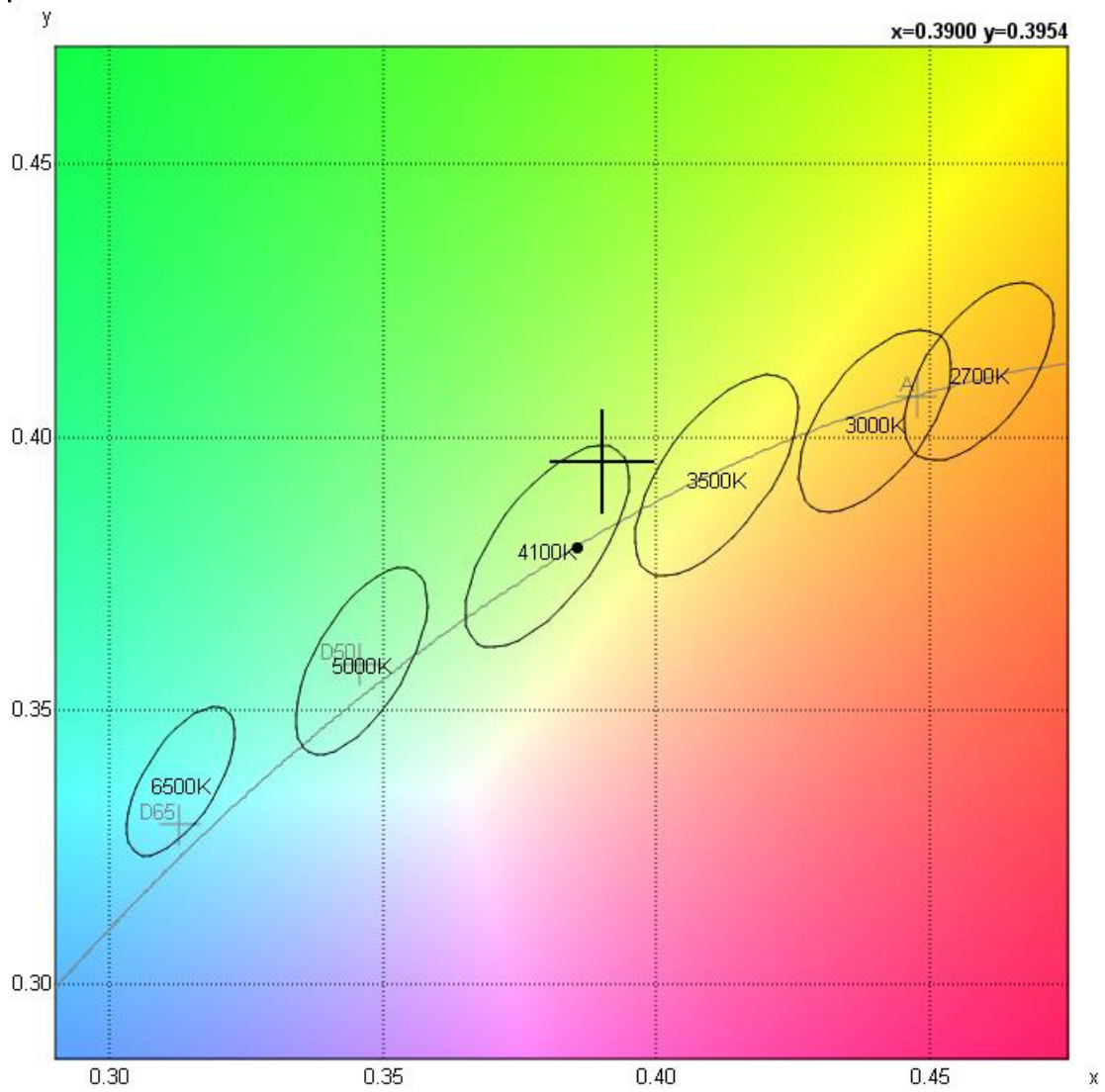
Total flux (utilized luminaire flux)	<i>464,70 lm</i>
Flux in lower hemisphere	<i>100,00 %</i>
Flux in upper hemisphere	<i>-0,00 %</i>
Maximum luminous intensity	<i>156,90 cd</i>
Light output ratio (LOR)	<i>100,00 %</i>
Luminous efficacy	<i>73,88 lm/W</i>

Light intensity distribution diagram

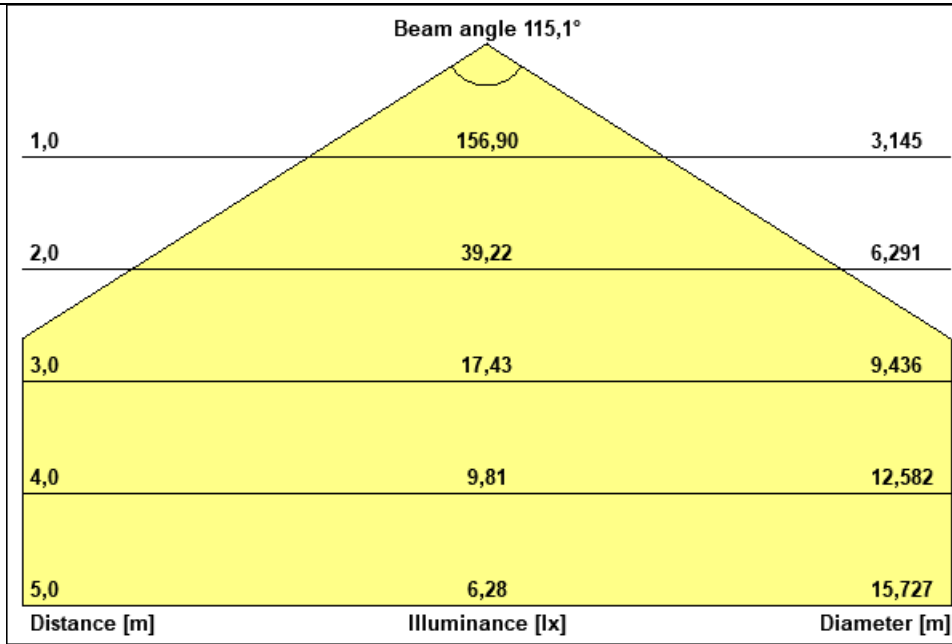


CIE 1931 diagram

x 0,3900
 y 0,3954
 Angular Colour Uniformity 0,0002
 Binning 4100K



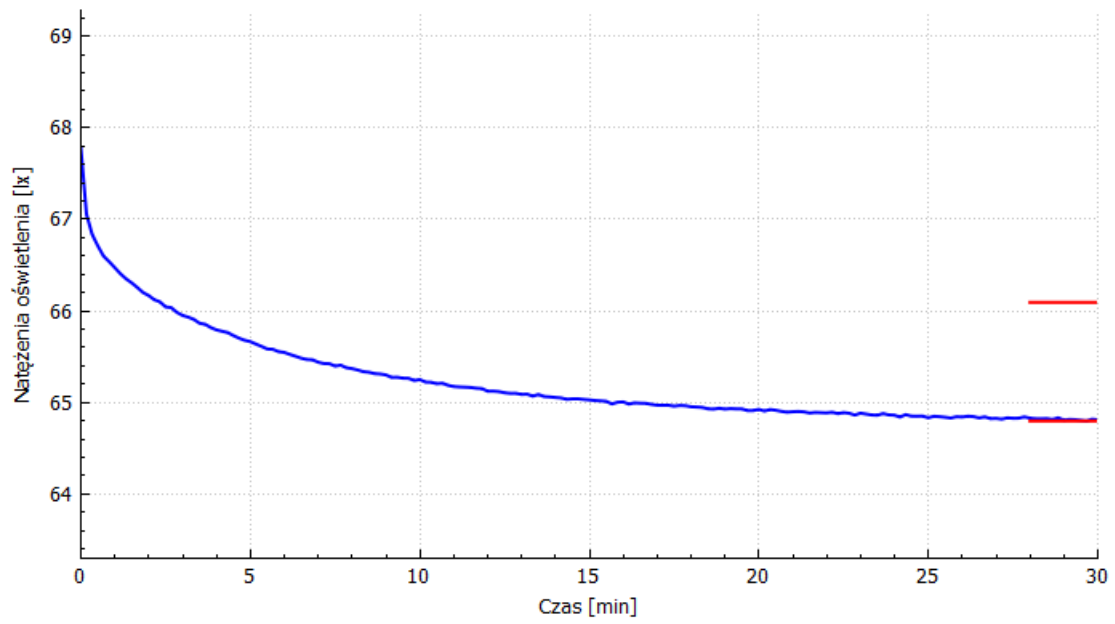
Beam cone



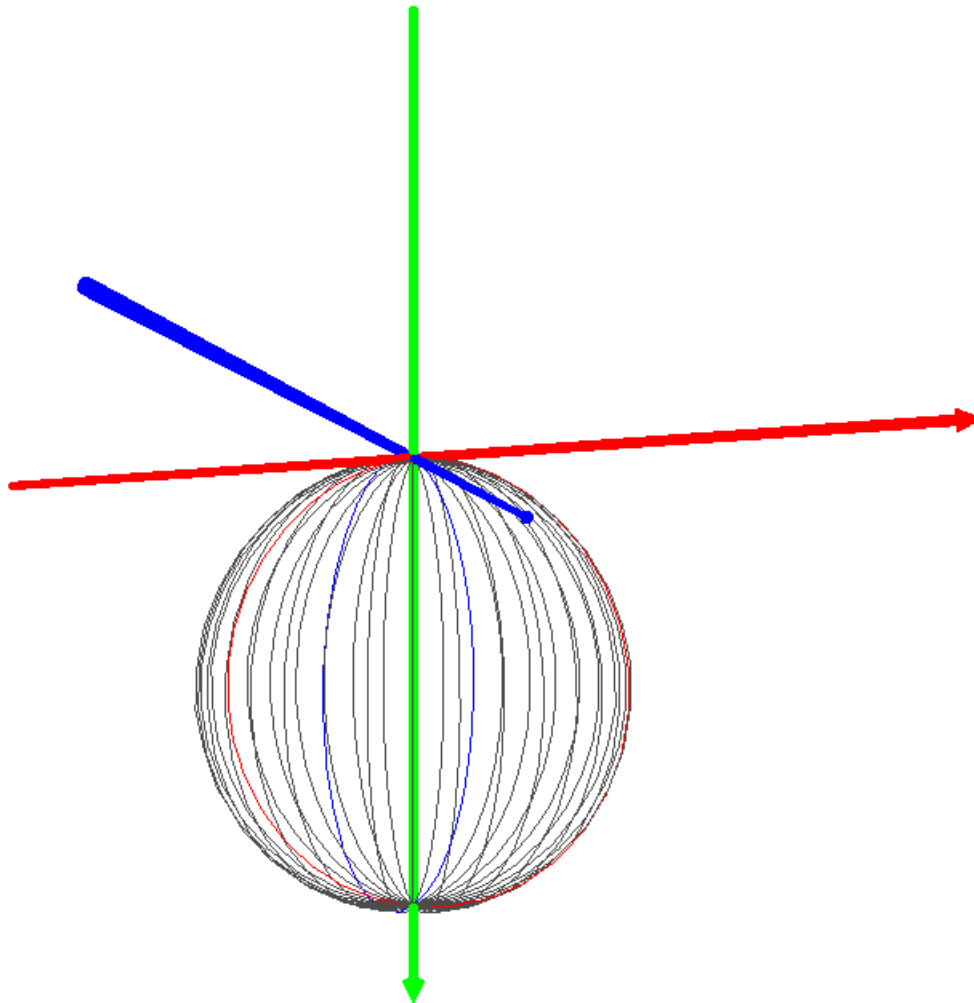
Distance [m]	Max illumince [lx]	Diameter [m]
1	156,8957	3,145
2	39,2239	6,291
3	17,4329	9,436
4	9,8060	12,582
5	6,2758	15,727

C plane	Beam angle	Gamma max	Start [°]	Stop [°]
Average	115,1°	5,0°	-57,6°	57,6°
0-180°	115,3°	5,0°	-57,6°	57,6°
90-270°	114,6°	5,0°	-57,3°	57,3°

Stabilization



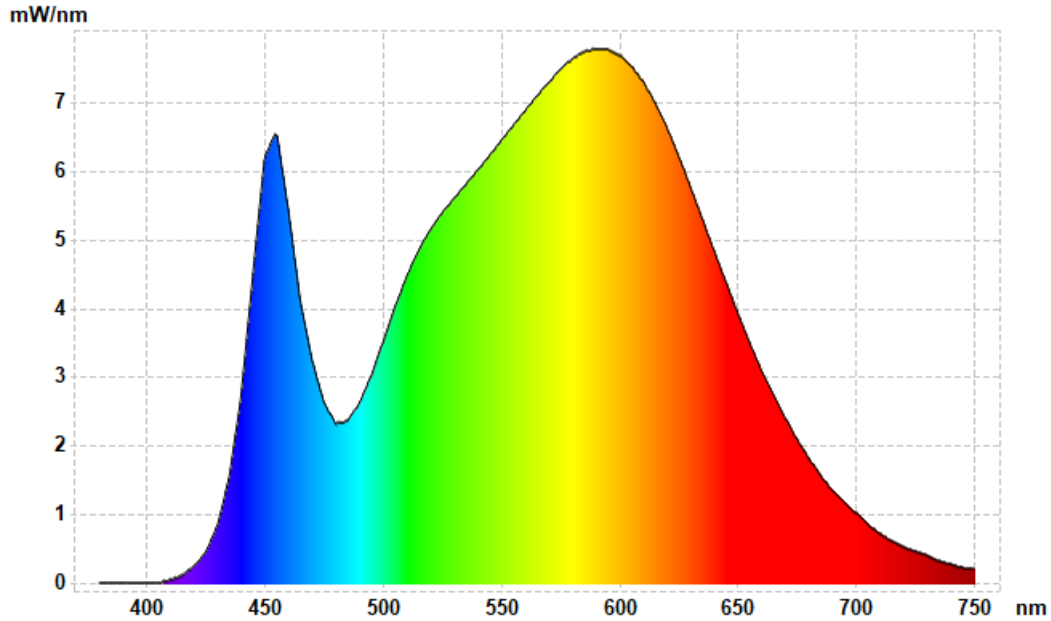
3D Chart



Legend

- - C0-C180
- - C90-C270
- - G0-G180

Spectral distribution



Results					
CIE 1931 2° observer		CIE 1964 10° observer		Other	
x	0,3900	x	0,3977	CCT	3890
y	0,3954	y	0,3917	Chromaticity Error	0,007
Flux	464,70 lm	u'	0,2304	Color Peak	592,28
		v'	0,5105	Color Peak Value	7,78
		L	100,00	Color Dominant	576,9
u'	0,2240	a	11,53	Luminous Intensity	0,00
v'	0,5110	b	41,14	Purity	0,357
L	100,00	X	485,54	Radiometric	1,3213
a	6,20	Y	478,26	PAR	-
b	41,44	Z	257,19	PPFD	-
Rendering Indices				Metamerism Indices	
Ra	80,6	Ra	80,6	Mivis	2,2
R1	77,7	R8	60,7	Miuv	4,0
R2	87,2	R9	-2,1	Binning	
R3	95,3	R10	69,9	Binning	4100K
R4	78,3	R11	76,1	Brightness	
R5	77,3	R12	55,7		
R6	82,5	R13	79,8		
R7	86,0	R14	97,4		