

GL GONIOSPECTROMETER
Lighting Research & Measurement Center**Report Wizard Sample Description Lines**

Client name: *LED line®*
Model name: *GU10 5W 410lm 50st*
Item No: *248313*
Serial No.: *39510*
Made by: *Radosław Kośnik*

Eulumdat Fields

Dimensions of luminaire

Company: *LED line®*
Report number: *B287*
LuminaireName: *GU10 5W 410lm 4000K 50st*
LuminaireNumber: *248313*
FileName: *B287_248313_39510_G_20190225_R_O*
Date: *2019-02-25*

Dimensions of luminaire

Length: *50 mm*
Width: *0 mm*
Height: *53 mm*

Dimensions of luminous area

Length: *42 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: 529,21 lm
 Color temperatur: 4095.96 K
 Color rendering index: 82,56
 Wattage including ballast: 4,93 W

Utilization factors:

k = 0.60 0,535
 k = 0.80 0,608
 k = 1.00 0,674
 k = 1.20 0,731
 k = 1.50 0,773
 k = 2.00 0,839
 k = 2.50 0,862
 k = 3.00 0,882
 k = 4.00 0,911
 k = 5.00 0,928

Electrical parameters

U = 230,053 V
I = 0,047 A
P = 4,927 W
 Power factor = 0,458

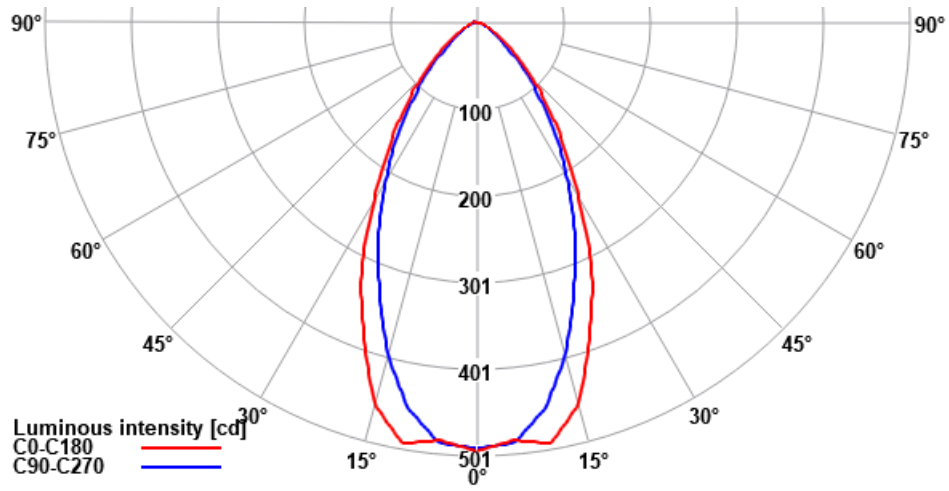
Power apparent = 0,000 VA
 Power Reactive = 0,000 var
 Frequency Voltage = 0,000 Hz
 THD = 0,000 %

Temperature = 23 C

Goniometric measurement results

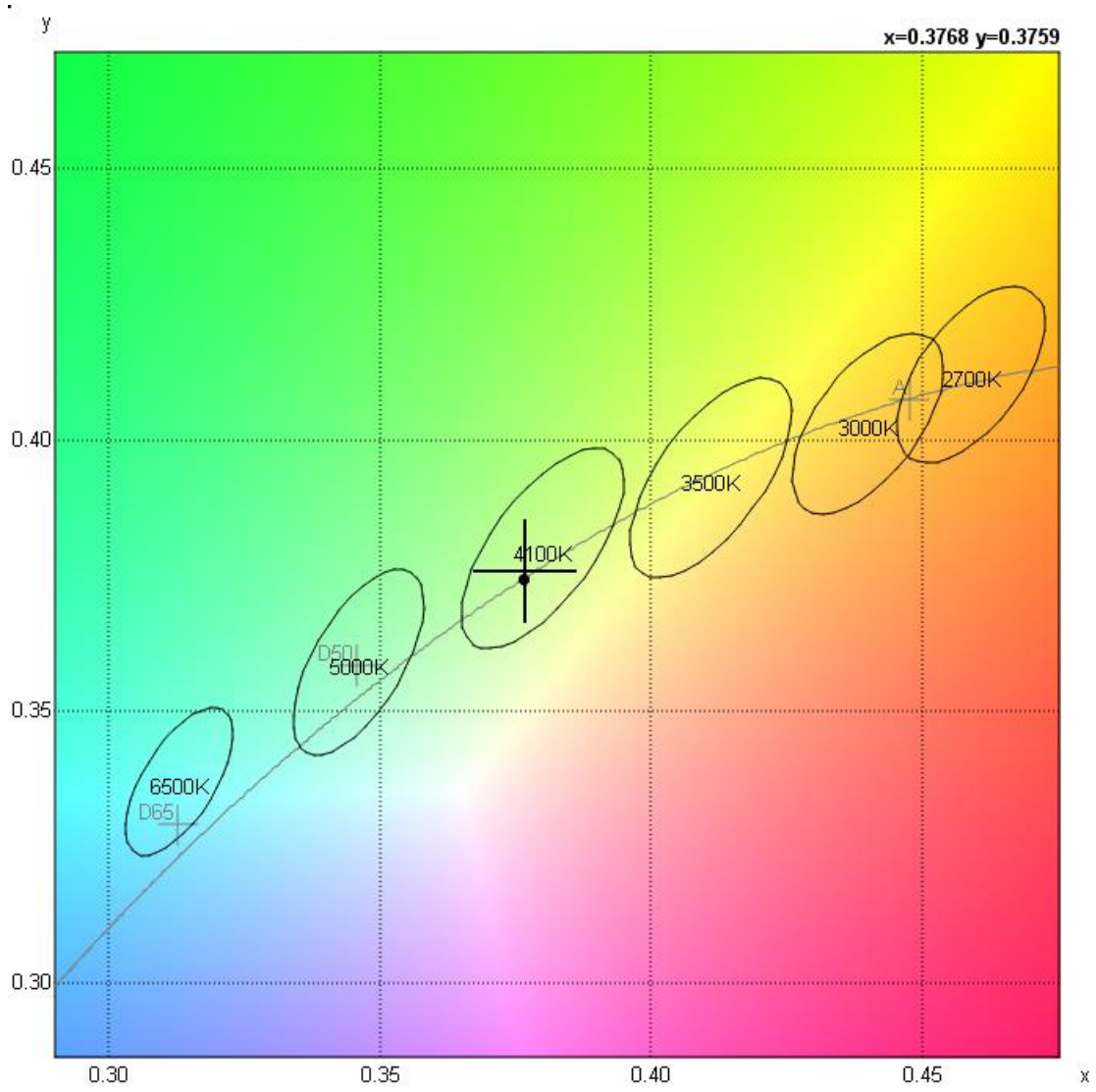
Total flux (utilized luminarie flux)	529,21 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	503,00 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	107,34 lm/W

Light intensity distribution diagram

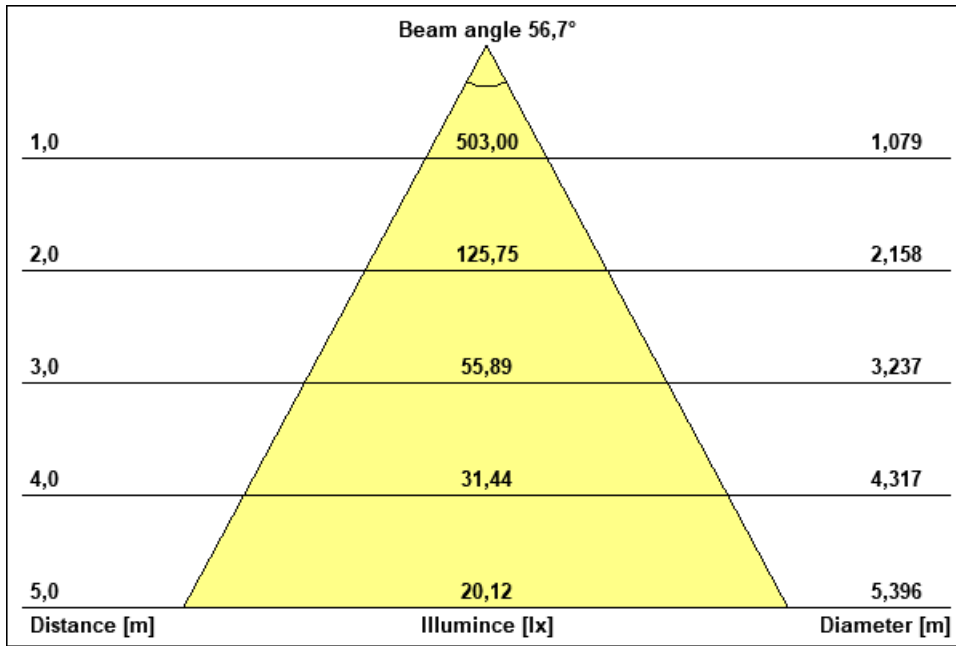


CIE 1931 diagram

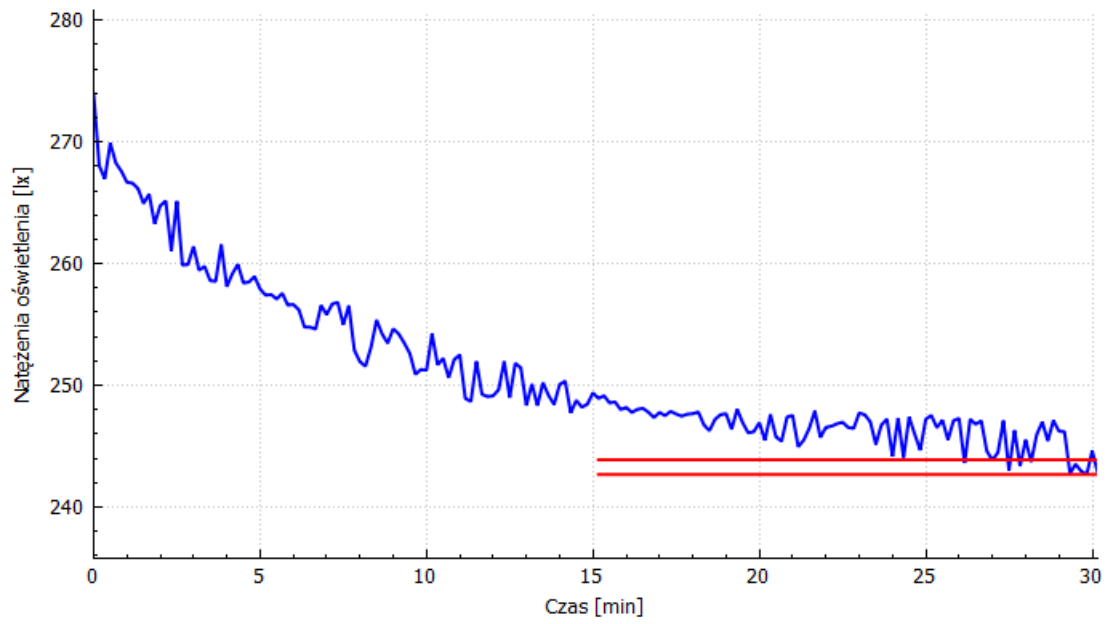
x 0,3768
y 0,3759
Angular Colour Uniformity 0,0039



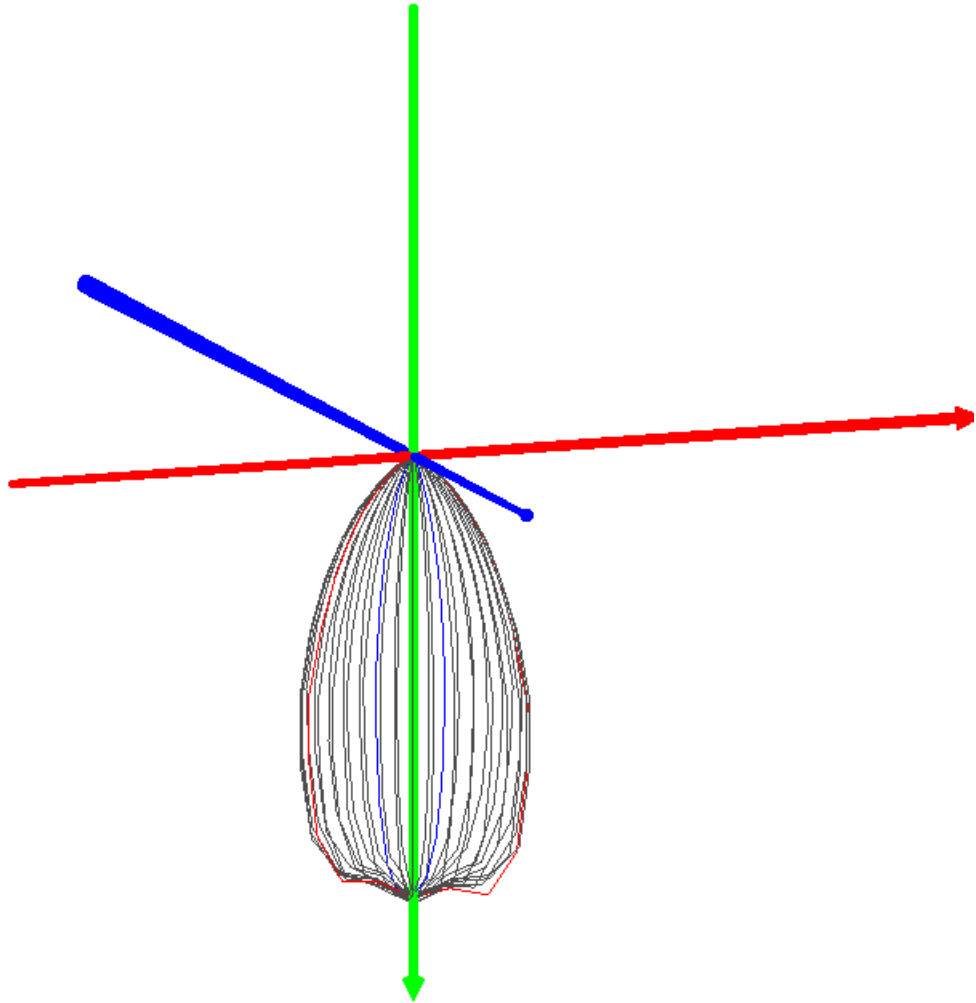
Beam cone



Stabilization



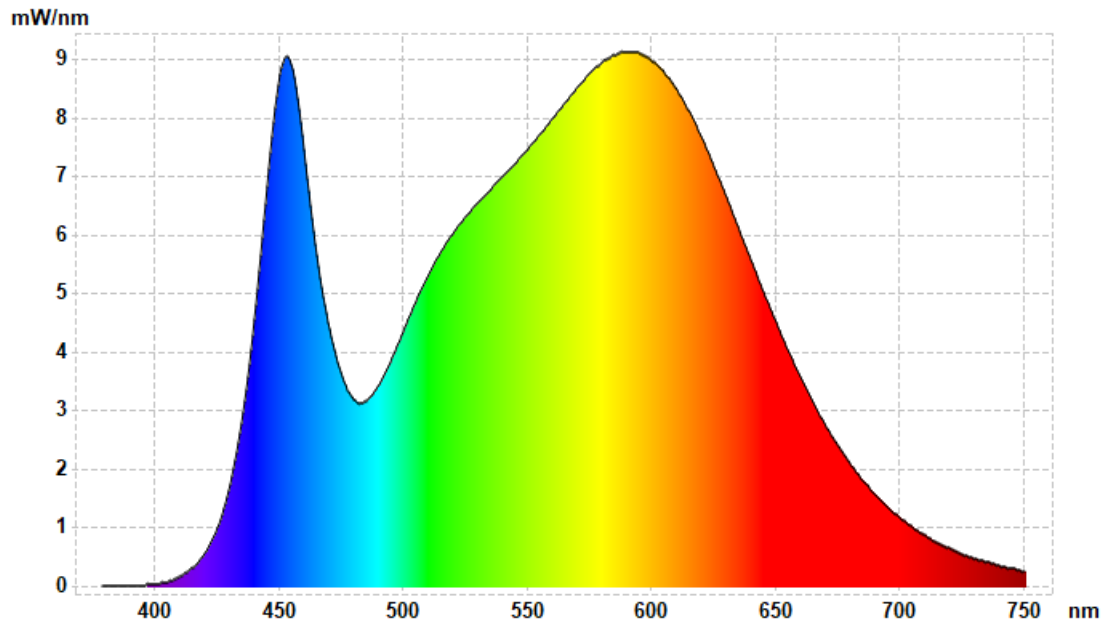
3D Chart



Legend

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

Spectral distribution



Results					
CIE 1931 2° observer		CIE 1964 10° observer		Other	
x	0,3768	x	0,3830	CCT	4096
y	0,3759	y	0,3732	Chromaticity Error	0,003
Flux	529,21 lm	u'	0,2283	Color Peak	590,55
		v'	0,5004	Color Peak Value	9,13
		L	100,00	Color Dominant	578,3
u'	0,2230	a	13,39	Luminous Intensity	0,00
v'	0,5006	b	30,49	Purity	
L	100,00	X	577,81	Radiometric	1,6054
a	8,94	Y	562,98	PAR	-
b	30,90	Z	367,80	PPFD	-
Rendering Indices				Metamerism Indices	
Ra	82,6	Ra	82,6	Mivis	1,9
R1	80,6	R8	63,5	Miuv	4,1
R2	89,7	R9	6,1	Binning	
R3	95,2	R10	74,8	Binning	4100K
R4	80,1	R11	78,3	Brightness	
R5	80,5	R12	61,6		
R6	85,1	R13	83,0		
R7	85,6	R14	97,6		