

GL GONIOSPECTROMETER
Lighting Research & Measurement Center

Report Wizard Sample Description Lines

Client name: *LED line®*
Model name: *EasyFix 24W 2300lm 4000K*
Item No: *248849*
Serial No.: *48312*
Made by: *Radosław Kośnik*

Eulumdat Fields

Company: *LEDline®*
Report number: *B343*
LuminaireName: *EasyFix 24W 2300lm 4000K Round*
LuminaireNumber: *248849*
FileName: *B343_248849_48312_G_20190325_R_P.ies*
Date: *2019-03-21*

Dimensions of luminaire

Length: *290 mm*
Width: *0 mm*
Height: *13 mm*

Dimensions of luminous area

Length: *250 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: 2297,60 lm
 Color temperatur: 3988.82 K
 Color rendering index: 83,29
 Wattage including ballast: 24,74 W

Utilization factors:

k = 0.60 0,283
 k = 0.80 0,371
 k = 1.00 0,448
 k = 1.20 0,524
 k = 1.50 0,582
 k = 2.00 0,671
 k = 2.50 0,721
 k = 3.00 0,760
 k = 4.00 0,811
 k = 5.00 0,844

Electrical parameters

U = 230,004 V
I = 0,201 A
P = 24,742 W
 Power factor = 0,535

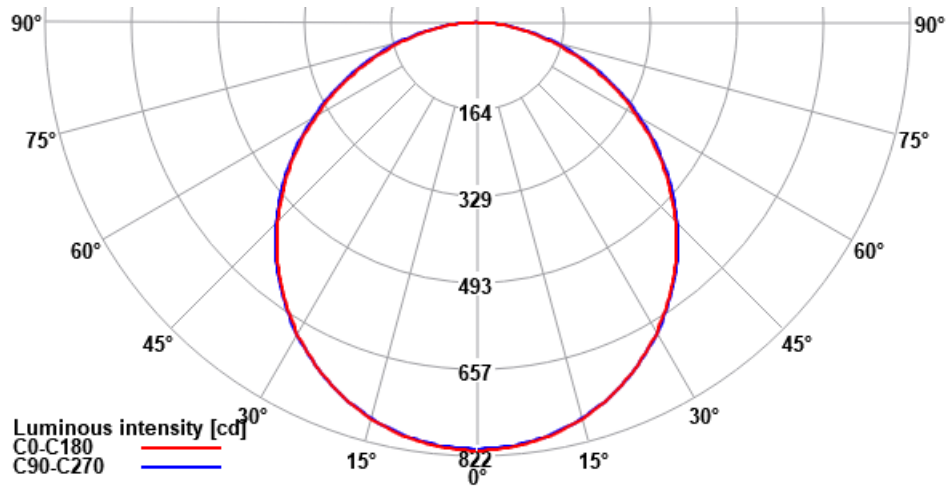
 Power apparent = 0,000 VA
 Power Reactive = 0,000 var
 Frequency Voltage = 0,000 Hz
 THD = 0,000 %

Temperature = 22.4 C

Goniometric measurement results

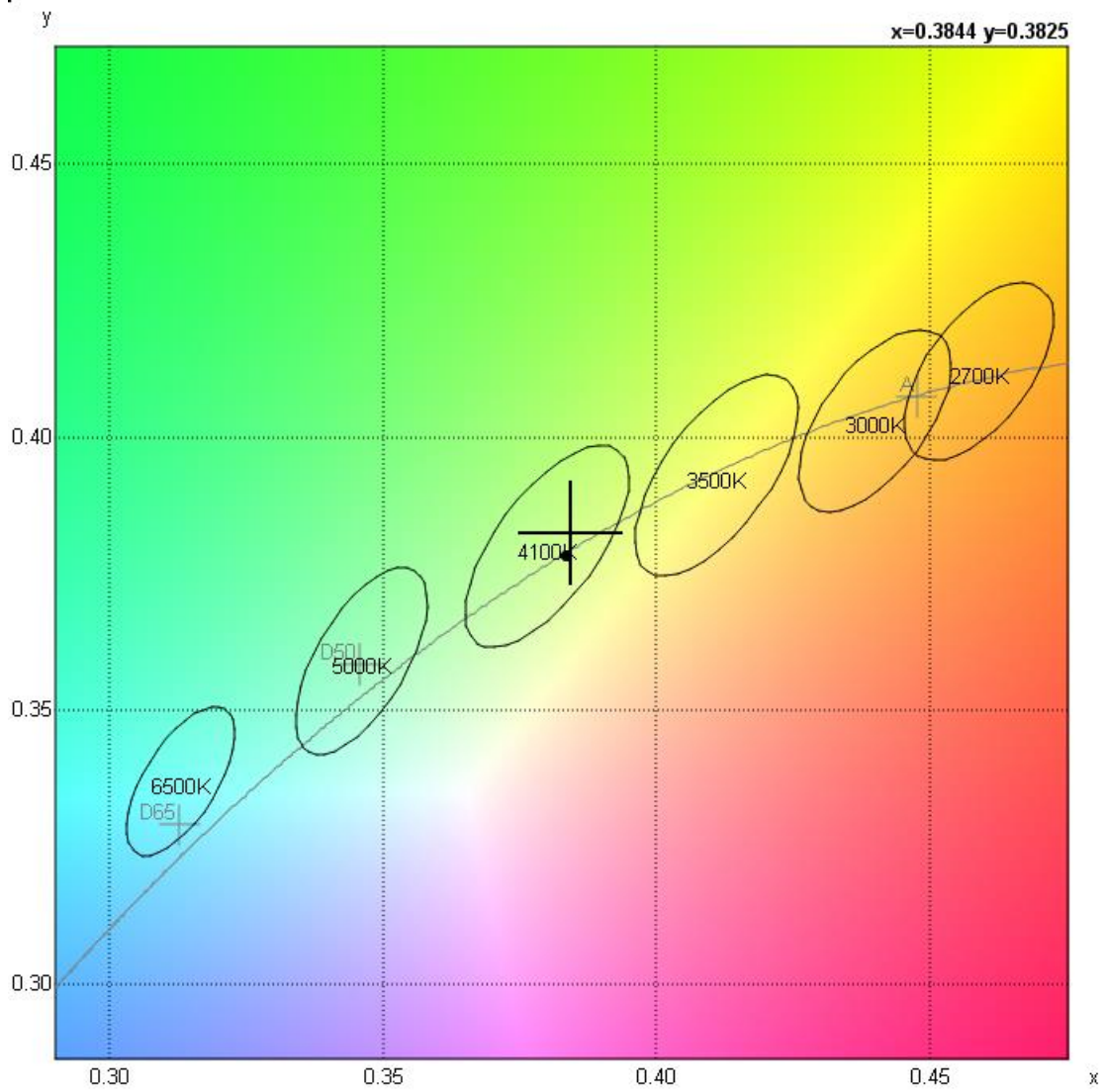
Total flux (utilized luminaire flux)	2297,60 <i>lm</i>
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	813,58 <i>cd</i>
Light output ratio (LOR)	100,00 %
Luminous efficacy	92,87 <i>lm/W</i>

Light intensity distribution diagram

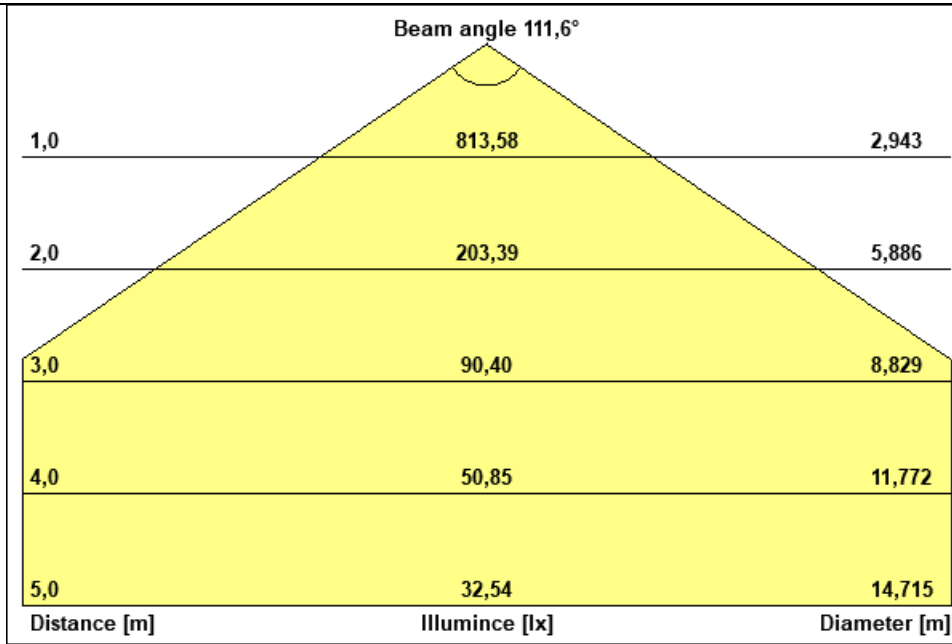


CIE 1931 diagram

x 0,3844
 y 0,3825
 Angular Colour Uniformity 0,0000
 Binning 4100K



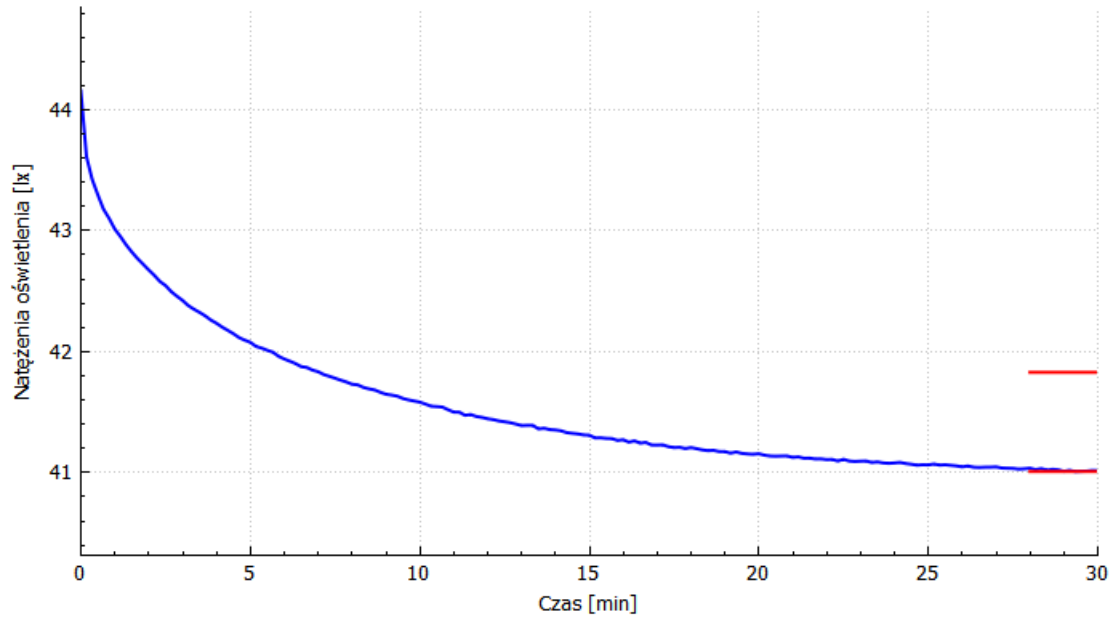
Beam cone



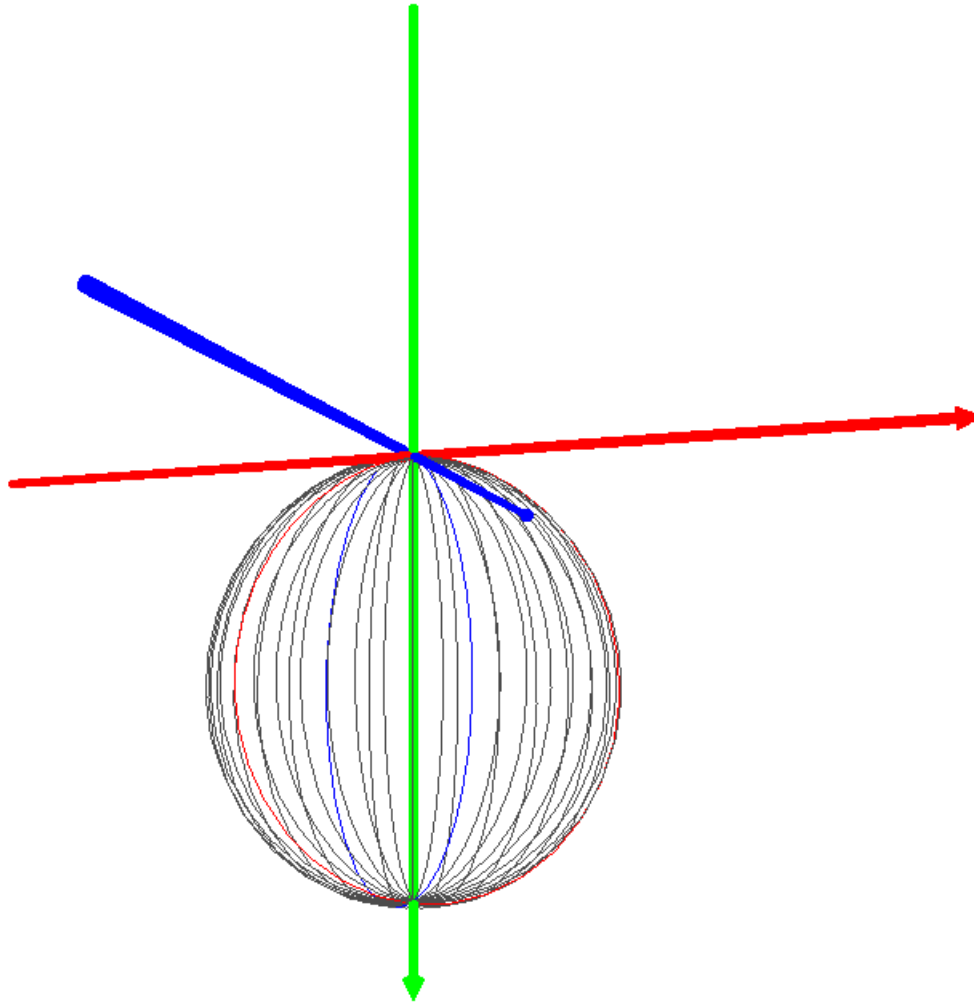
Distance [m]	Max illuminance [lx]	Diameter [m]
1	813,5779	2,943
2	203,3945	5,886
3	90,3975	8,829
4	50,8486	11,772
5	32,5431	14,715

C plane	Beam angle	Gamma max	Start [°]	Stop [°]
Average	111,6°	5,0°	-55,8°	55,8°
0-180°	111,6°	5,0°	-55,8°	55,8°
90-270°	112,6°	5,0°	-56,3°	56,3°

Stabilization



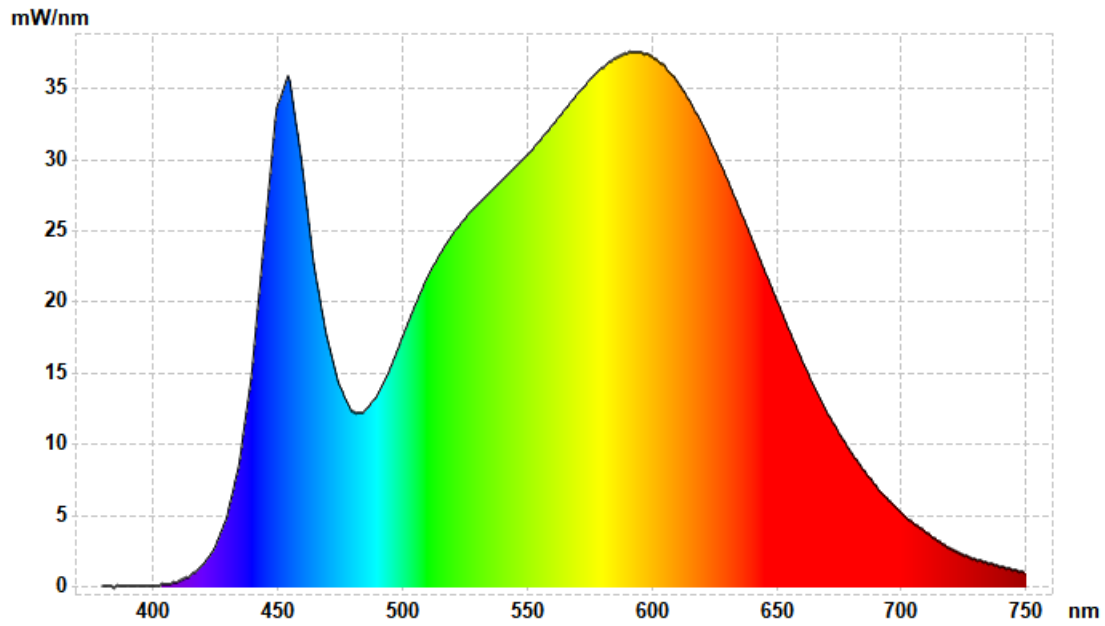
3D Chart



Legend

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

Spectral distribution



Results					
CIE 1931 2° observer		CIE 1964 10° observer		Other	
x	0,3844	x	0,3909	CCT	3989
y	0,3825	y	0,3798	Chromaticity Error	0,003
Flux	2297,60 lm	u'	0,2307	Color Peak	594,00
		v'	0,5045	Color Peak Value	37,53
		L	100,00	Color Dominant	578,5
u'	0,2254	a	13,86	Luminous Intensity	0,00
v'	0,5047	b	34,89	Purity	
L	100,00	X	2368,81	Radiometric	6,5499
a	9,34	Y	2301,72	PAR	-
b	35,18	Z	1389,70	PPFD	-
Rendering Indices				Metamerism Indices	
Ra	83,3	Ra	83,3	Mivis	2,0
R1	81,5	R8	64,9	Miuv	4,1
R2	90,0	R9	10,7	Binning	
R3	95,7	R10	75,8	Binning	4100K
R4	81,1	R11	79,5	Brightness	
R5	81,2	R12	61,0		
R6	85,8	R13	83,7		
R7	86,3	R14	97,8		