

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

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Client name: *LED line®*  
Model name: *DIORA 15-36W 2250-5040lm 4000K*  
Item No: *244193*  
Serial No.: *51712*  
Made by: *Radosław Kośnik*

**Eulumdat Fields**

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**Dimensions of luminaire**

Company: *LEDline®*  
Report number: *B304*  
LuminaireName: *Panel DIORA kwadrat 15-36W 2250-5040lm 4000K*  
LuminaireNumber: *244193*  
FileName: *B304\_244193\_51712\_G\_20190304\_R\_P*  
Date: *2019-03-04*

**Dimensions of luminaire**

Length: *596 mm*  
Width: *596 mm*  
Height: *50 mm*

**Dimensions of luminous area**

Length: *530 mm*  
Width: *530 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:	5029,20 lm
Color temperatur:	4010.46 K
Color rendering index:	82,65
Wattage including ballast:	35,84 W

**Utilization factors:**

k = 0.60	0,567
k = 0.80	0,637
k = 1.00	0,701
k = 1.20	0,755
k = 1.50	0,794
k = 2.00	0,859
k = 2.50	0,879
k = 3.00	0,899
k = 4.00	0,926
k = 5.00	0,942

**Electrical parameters**

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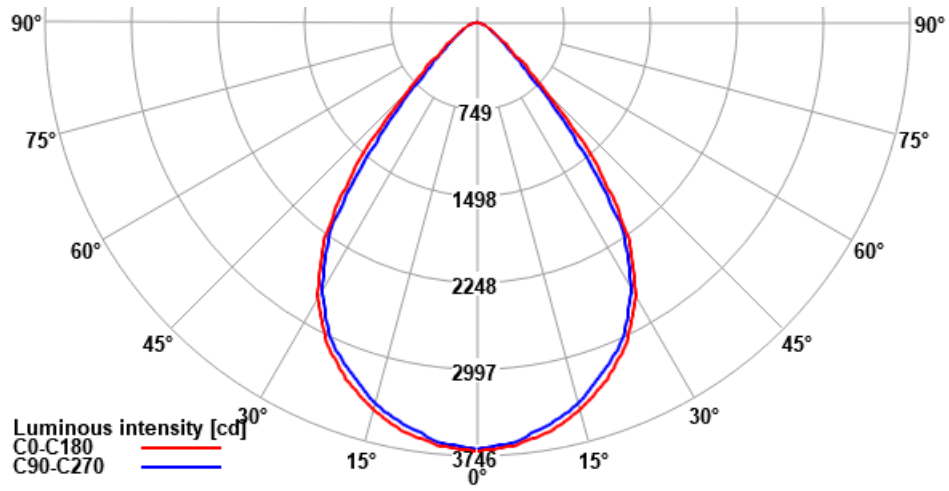
<i>U</i>	= 230,023 V
<i>I</i>	= 0,161 A
<i>P</i>	= 35,844 W
<i>Power factor</i>	= 0,969
<i>Power apparent</i>	= 0,000 VA
<i>Power Reactive</i>	= 0,000 var
<i>Frequency Voltage</i>	= 0,000 Hz
<i>THD</i>	= 0,000 %

*Temperature* = 23,5 C

**Goniometric measurement results**

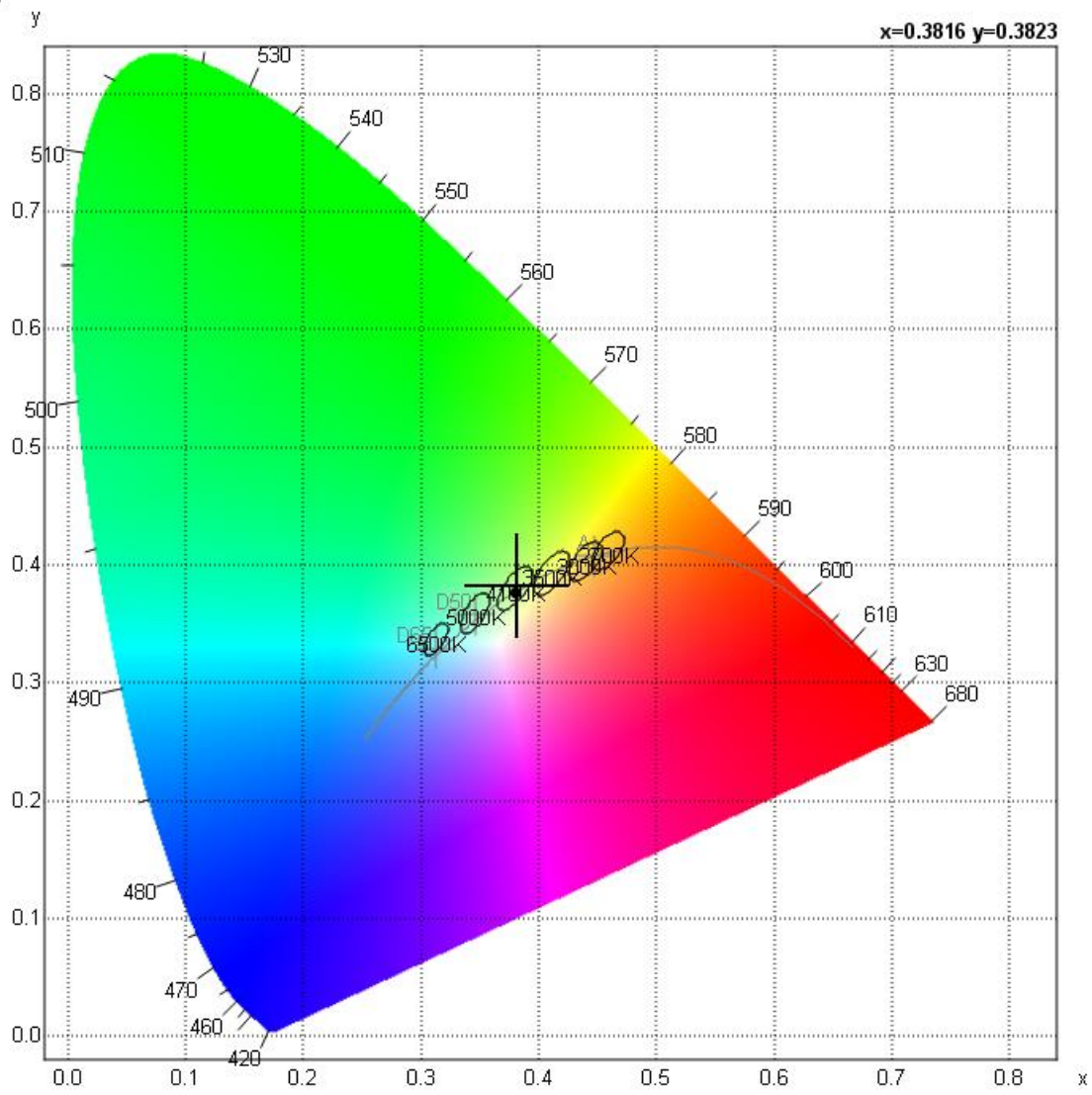
Total flux (utilized luminaire flux)	<i>5029,20 lm</i>
Flux in lower hemisphere	<i>100,00 %</i>
Flux in upper hemisphere	<i>-0,00 %</i>
Maximum luminous intensity	<i>3708,89 cd</i>
Light output ratio (LOR)	<i>100,00 %</i>
Luminous efficacy	<i>140,32 lm/W</i>

**Light intensity distribution diagram**

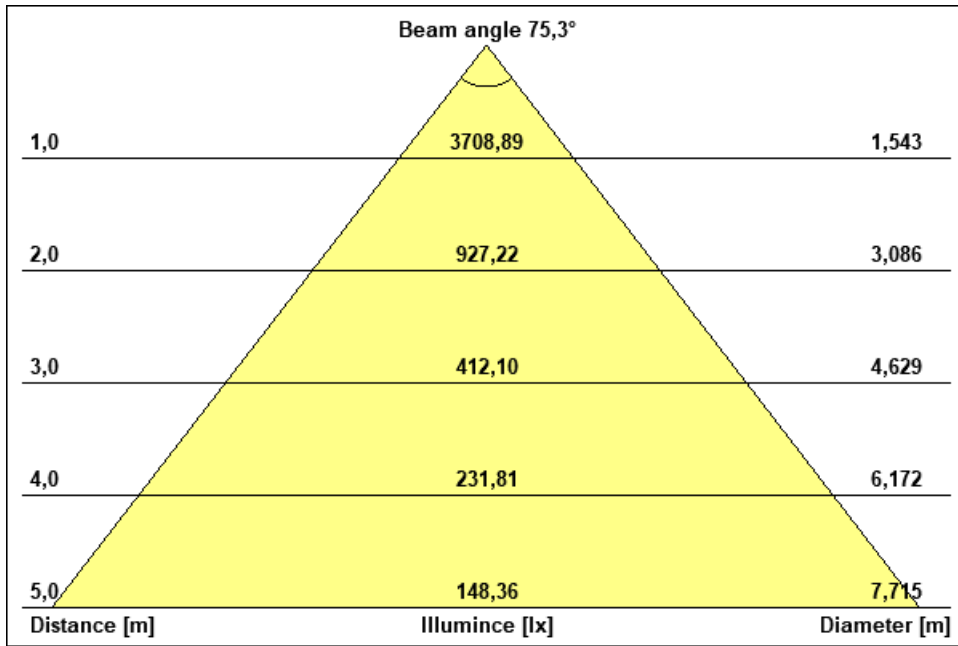


### CIE 1931 diagram

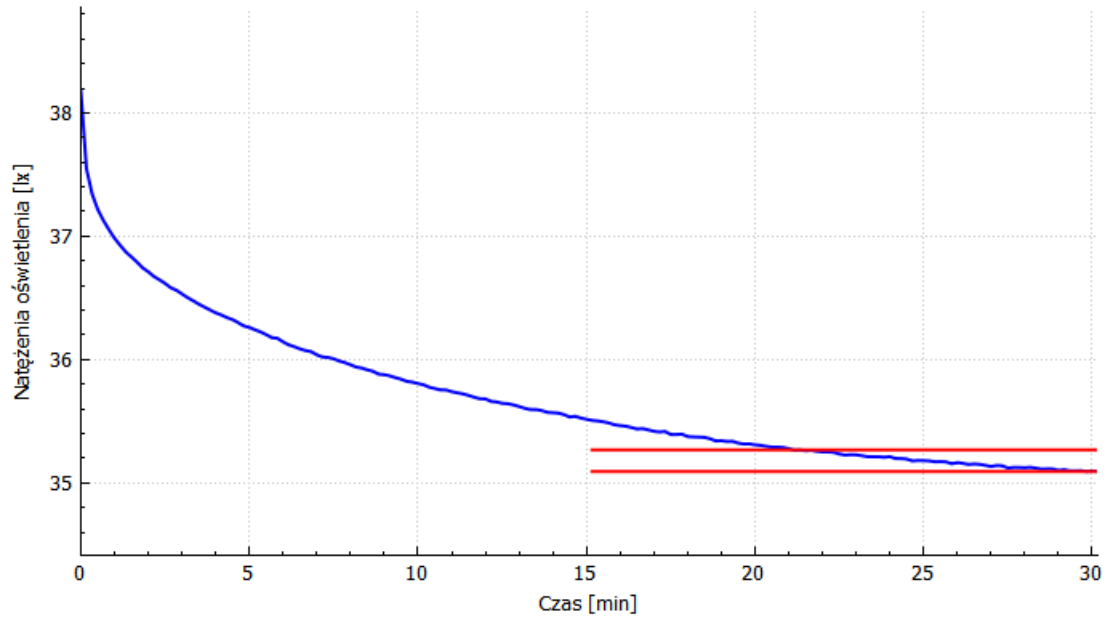
x 0,3816  
y 0,3823  
Angular Colour Uniformity 0,0000



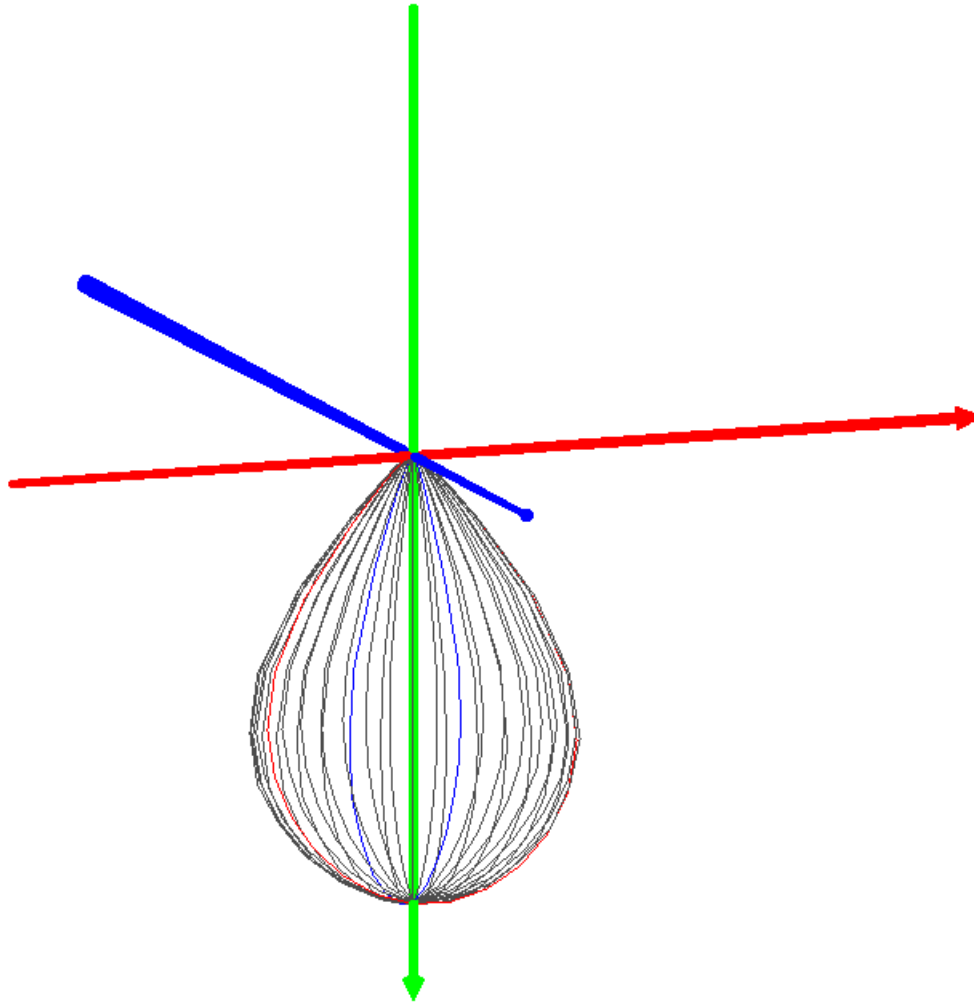
**Beam cone**



## Stabilization



### 3D Chart

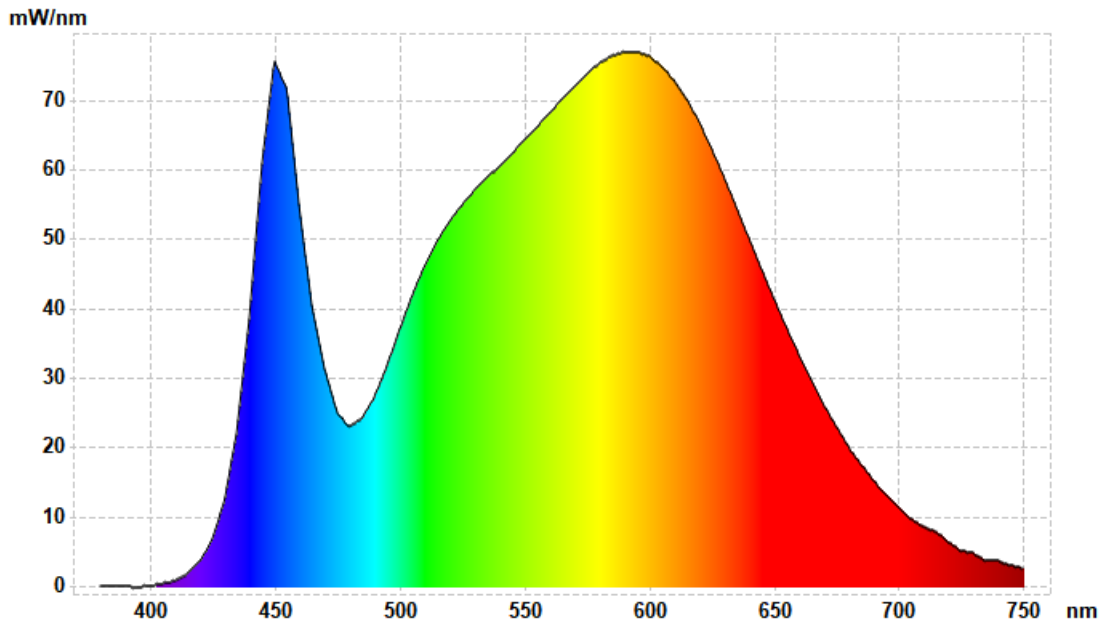


Legend

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



## Spectral distribution



Results					
CIE 1931 2° observer		CIE 1964 10° observer		Other	
x	0,3816	x	0,3880	CCT	4010
y	0,3823	y	0,3786	Chromaticity Error	0,003
Flux	5029,20 lm	u'	0,2294	Color Peak	594,00
		v'	0,5035	Color Peak Value	77,03
		L	100,00	Color Dominant	577,9
u'	0,2236	a	13,15	Luminous Intensity	0,00
v'	0,5042	b	33,75	Purity	
L	100,00	X	4924,76	Radiometric	13,7046
a	8,21	Y	4805,30	PAR	-
b	34,44	Z	2961,85	PPFD	-
Rendering Indices				Metamerism Indices	
Ra	82,7	Ra	82,7	Mivis	1,8
R1	80,6	R8	65,4	Miuv	4,3
R2	88,3	R9	9,3	Binning	
R3	94,3	R10	72,1	Binning	4100K
R4	81,5	R11	79,9	Brightness	
R5	80,5	R12	60,1		
R6	83,7	R13	82,4		
R7	87,0	R14	96,9		