

# GL GONIOSPECTROMETER MEASUREMENT TAG LIST

## Report Wizard Sample Description Lines

---

Client name: *Azzardo Lighting*

Model name: *Alfa DALI Kira Track Magnetic 36W CCT Switch*

Item No: *AZ6495*

Serial No.:

Made by: *A. Nawrot*

## Eulumdat Fields

---

### Dimensions of luminaire

Company: *Azzardo*

Report number: *AZ6495\_6000*

LuminaireName: *Alfa DALI Kira Track Magnetic 24W CCT Dimm*

LuminaireNumber: *AZ6495*

FileName: *AZ6495\_6000.ldt*

Date: *2024-09-27*

### Dimensions of luminaire

Length: *650 mm*

Width: *24 mm*

Height: *60 mm*

### Dimensions of luminous area

Length: *630 mm*

Width: *14 mm*

C0-plane *0 mm*

C90-plane *0 mm*

C180-plane *0 mm*

C270-plane *0 mm*

## Lamps:

Number of lamps: *-1*

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03

Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

Type of lamps: *LED*  
Total luminous flux: *2170,49 lm*  
Color temperatur: *7037 K*  
Color rendering index: *93,62*  
Wattage including ballast: *35,91 W*

### Utilization factors:

k = 0.60	<i>0,720</i>
k = 0.80	<i>0,763</i>
k = 1.00	<i>0,812</i>
k = 1.25	<i>0,847</i>
k = 1.50	<i>0,874</i>
k = 2.00	<i>0,925</i>
k = 2.50	<i>0,933</i>
k = 3.00	<i>0,946</i>
k = 4.00	<i>0,966</i>
k = 5.00	<i>0,979</i>

### Electrical parameters

---

<i>U</i>	<i>= 229,650 V</i>
<i>I</i>	<i>= 0,206 A</i>
<i>P</i>	<i>= 35,906 W</i>
<i>Power factor</i>	<i>= 0,757</i>

<i>Power apparent</i>	<i>= 47,418 VA</i>
<i>Power Reactive</i>	<i>= -30,973 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 16,087 %</i>

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

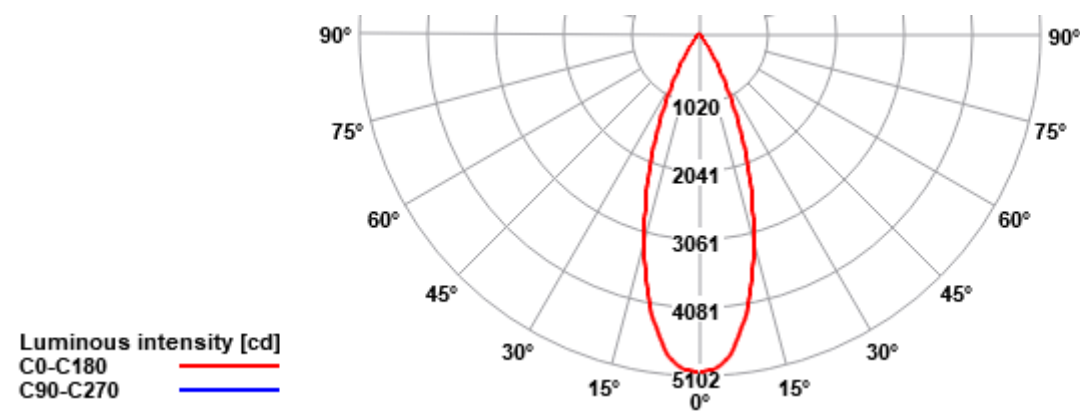
Kapitał 200.000PLN

Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	2170,49 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	5051,12 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	60,44 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,3065
y	0,3135
Angular Colour Uniformity	0,0059

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

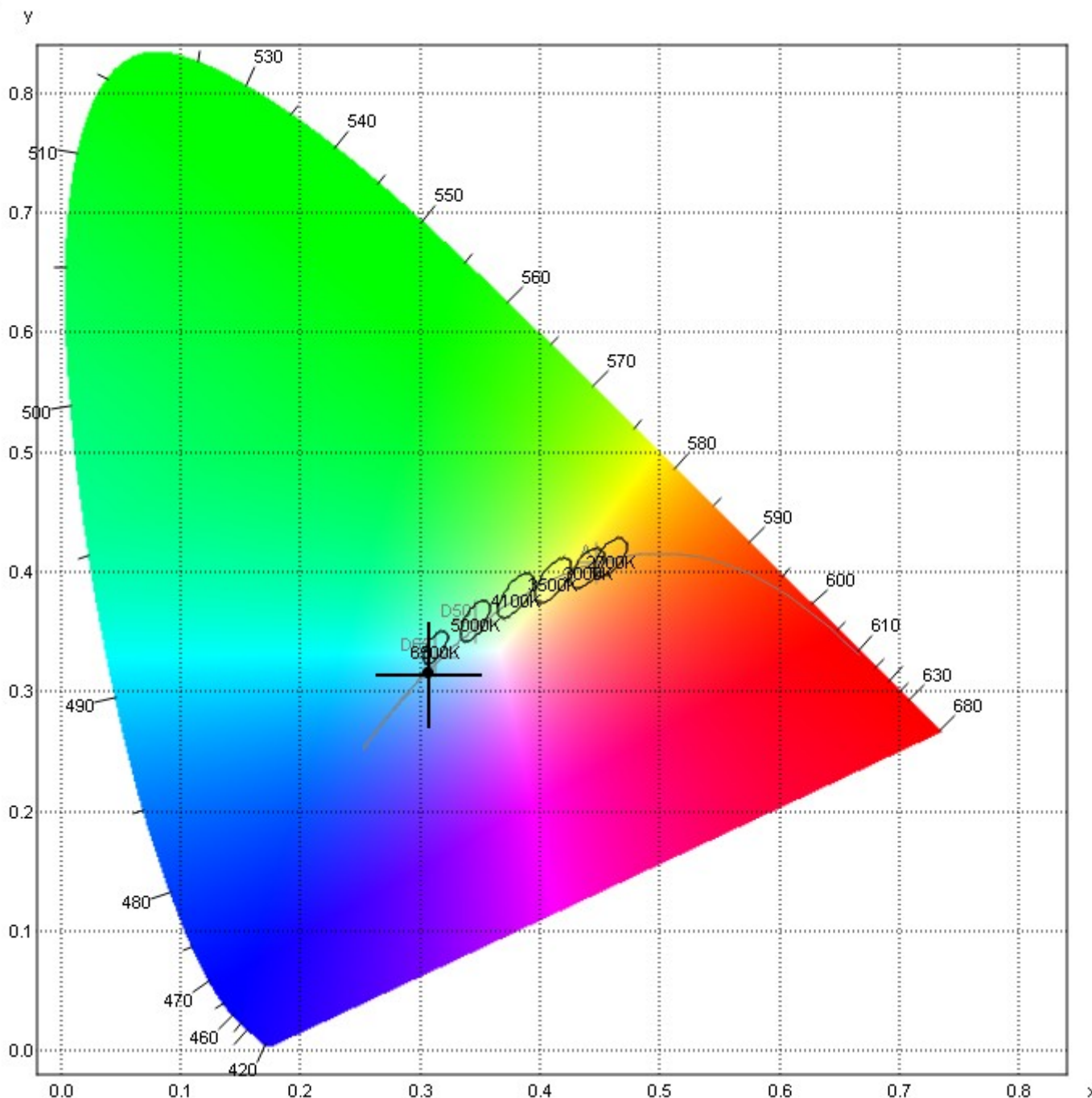
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN



## Beam cone

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

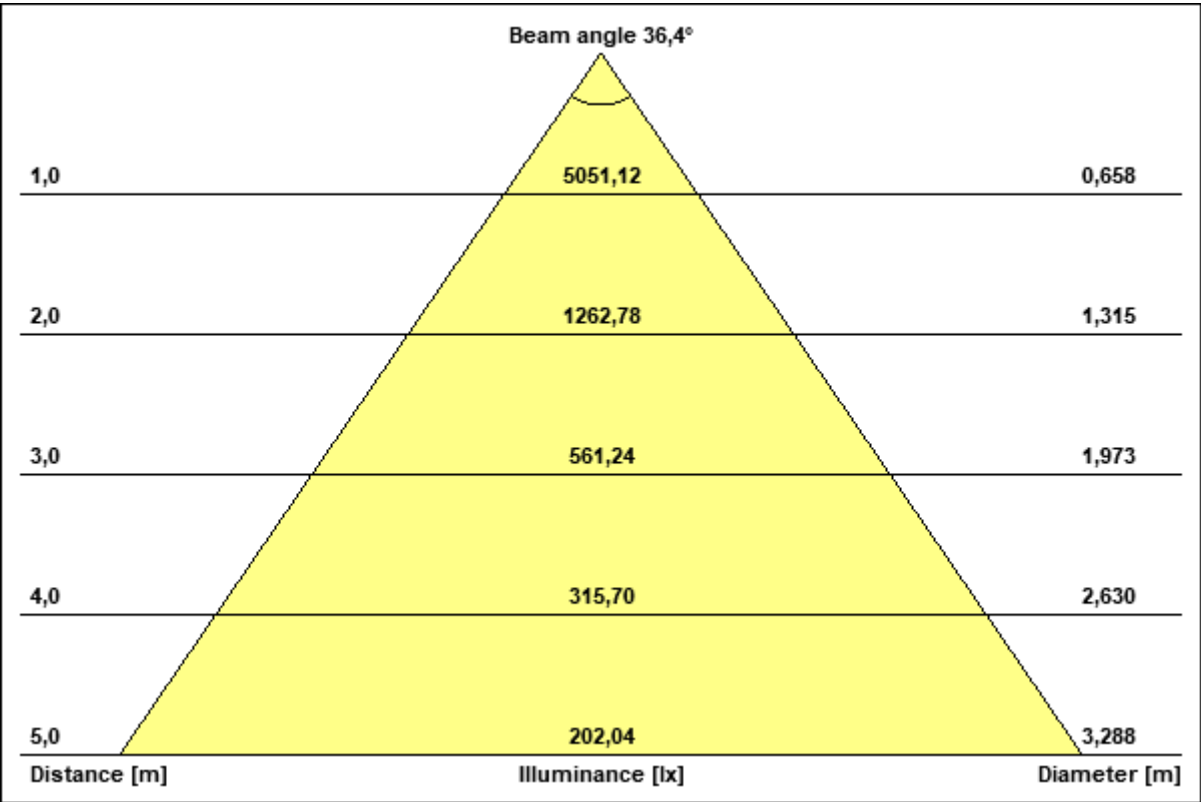
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN



Stabilization

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

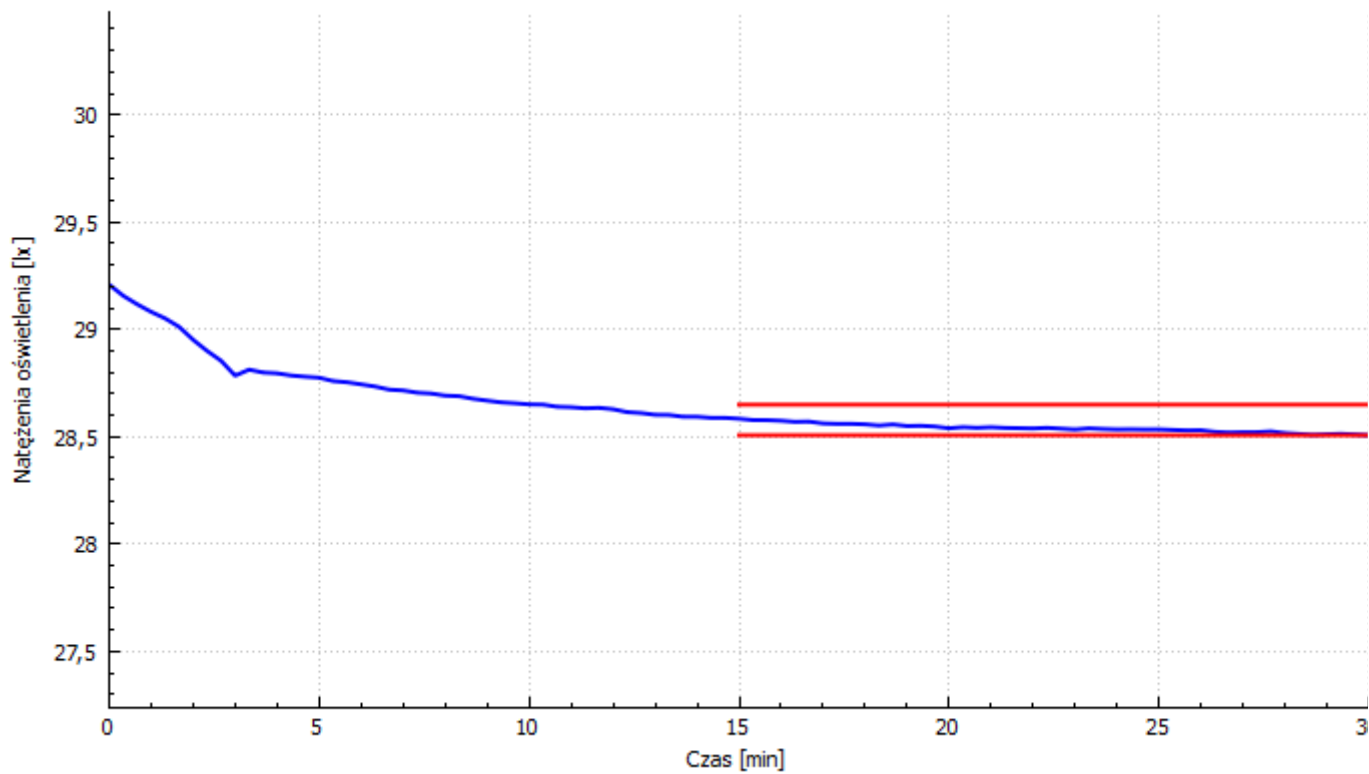
SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

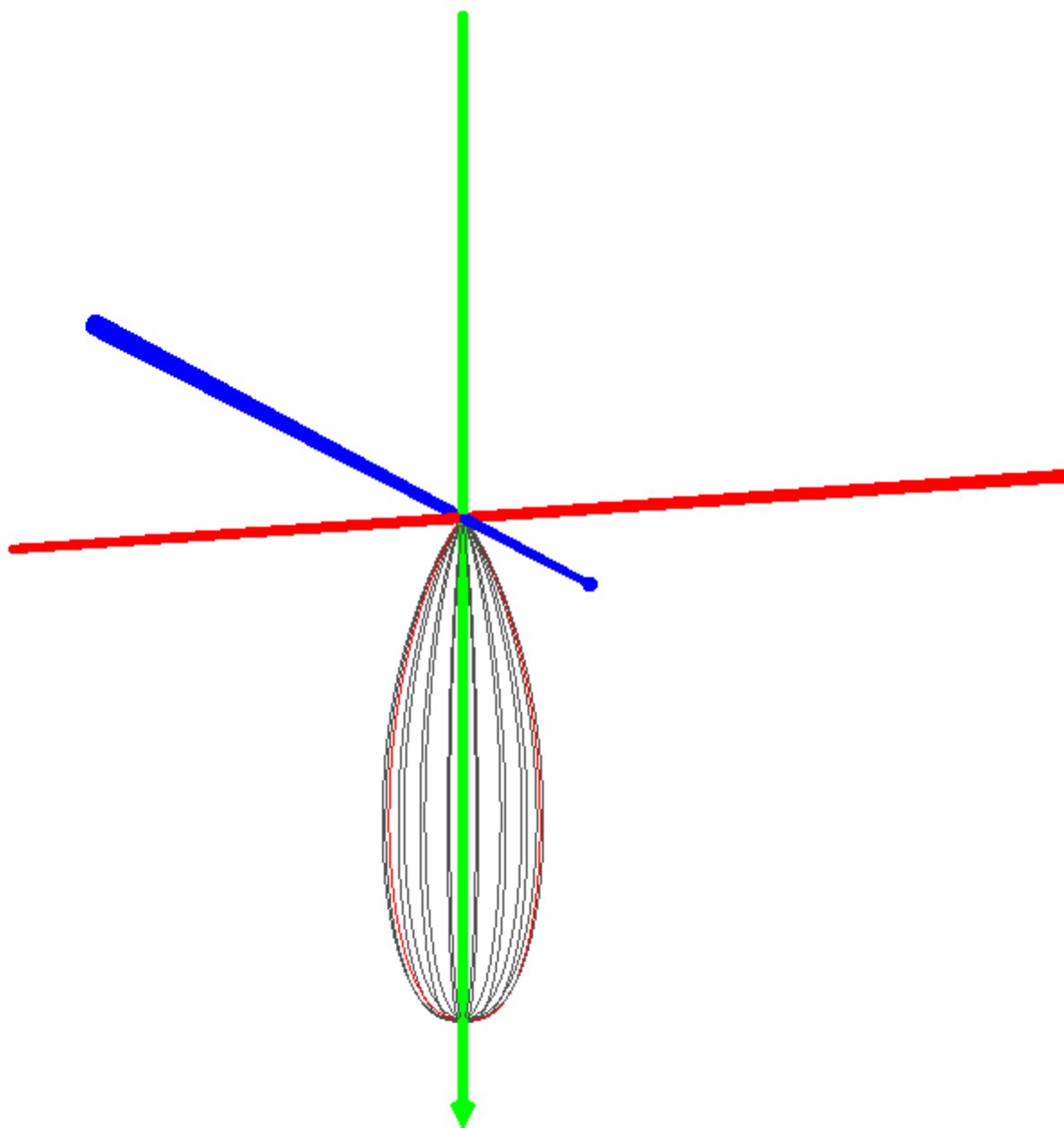
Kapitał 200.000PLN





### 3D Chart

GL Optic R&D Center Sp. z o.o.  
ul. Poznańska 70  
PL-62-040 Puszczykowo; Poland  
Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.  
PLN: IBAN 78 1750 0012 0000 0000 2709 9432  
EUR: IBAN 06 1750 0012 0000 0000 2709 9467  
SWIFT BIC: RCBWPLPWNIP: 783-171-97-20  
REGON 360317241  
KRS: 0000537079  
Kapitał 200.000PLN



## Legend

- C0-C180

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

- C90-C270

- G0-G180

U(%f)

I(%f)

Ext  
end  
ed  
elec  
tric  
al  
rep  
ort

			P(%f)
0	0,00403	0,274	-3,85e-05
1	100,000	100,000	100,000
2	0,00983	0	0
3	0,00991	6,611	0,00034
4	0,00341	0	0
5	0,0187	7,623	0,00163
6	0,0022	0	1,4e-06
7	0,0143	5,717	0,00103
8	0,00175	0	0
9	0,014	5,657	0,000804
10	0,00178	0	-2,45e-07
11	0,00965	4,072	0,000356
12	0,00169	0	0
13	0,00765	3,944	0,000234
14	0,000849	0	0
15	0,00779	2,813	0,000196
16	0	0	9,81e-08
17	0,00732	2,160	0,000157
18	0	0,0677	3,64e-07
19	0,00666	2,818	0,000173
20	0,000998	0	-1,65e-07
21	0,00654	1,890	0,000104

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

22	0	0,0541	0
23	0,011	2,726	0,000147
24	0,00107	0	0
25	0,00424	1,147	3,66e-05
26	0	0,0618	0
27	0,00761	2,190	9,14e-05
28	0	0	0
29	0,000988	0,235	0
30	0	0	0
31	0,0114	2,740	0,000242
32	0	0,0669	0
33	0,00195	0,836	1,83e-05
34	0	0	0
35	0,00568	1,105	1,78e-06
36	0	0,106	0
37	0,00449	0,729	1,67e-05
38	0	0	0
39	0,0107	2,083	0,000141
40	0	0	0
41	0,00522	1,266	1,01e-05
42	0	0	0
43	0,00798	1,071	1,86e-05
44	0	0,0707	5,25e-07
45	0,00756	1,136	4,01e-05
46	0	0	0
47	0,00508	1,082	3,18e-05
48	0,00115	0,0559	0
49	0,0112	1,368	1,53e-05
50	0,00129	0,0751	-8,32e-08

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN