

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Saga Track 12W Smart*
Item No: *AZ4846*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ4846-3000K*
LuminaireName: *Alfa Saga Track 12W Smart*
LuminaireNumber: *AZ4846-3000K*
FileName: *AZ48463000K.Idt*
Date: *2024-06-07*

Dimensions of luminaire

Length: *300 mm*
Width: *22 mm*
Height: *60 mm*

Dimensions of luminous area

Length: *297 mm*
Width: *19 mm*
C0-plane *0 mm*
C90-plane *0 mm*
C180-plane *0 mm*
C270-plane *0 mm*

Lamps:

Number of lamps: *-1*

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PLN: IBAN 78 1750 0012 0000 0000 2709 9432

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SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

Type of lamps: *LED*
Total luminous flux: *473,62 lm*
Color temperatur: *2665 K*
Color rendering index: *81,63*
Wattage including ballast: *12,36 W*

Utilization factors:

k = 0.60	<i>0,302</i>
k = 0.80	<i>0,388</i>
k = 1.00	<i>0,463</i>
k = 1.25	<i>0,538</i>
k = 1.50	<i>0,595</i>
k = 2.00	<i>0,683</i>
k = 2.50	<i>0,732</i>
k = 3.00	<i>0,770</i>
k = 4.00	<i>0,821</i>
k = 5.00	<i>0,853</i>

Electrical parameters

<i>U</i>	<i>= 229,704 V</i>
<i>I</i>	<i>= 0,183 A</i>
<i>P</i>	<i>= 12,358 W</i>
<i>Power factor</i>	<i>= 0,299</i>

<i>Power apparent</i>	<i>= 41,579 VA</i>
<i>Power Reactive</i>	<i>= -39,434 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 300,355 %</i>

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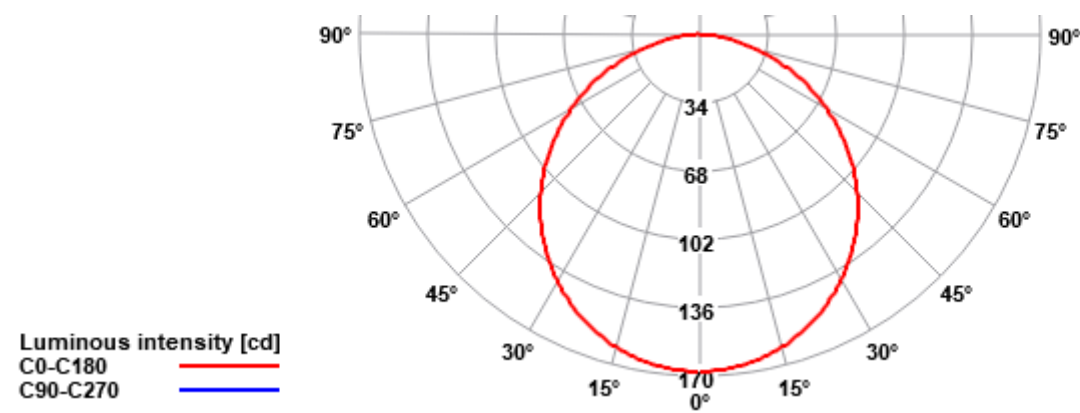
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	473,62 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	168,05 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	38,32 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4680
y	0,4206
Angular Colour Uniformity	0,0022

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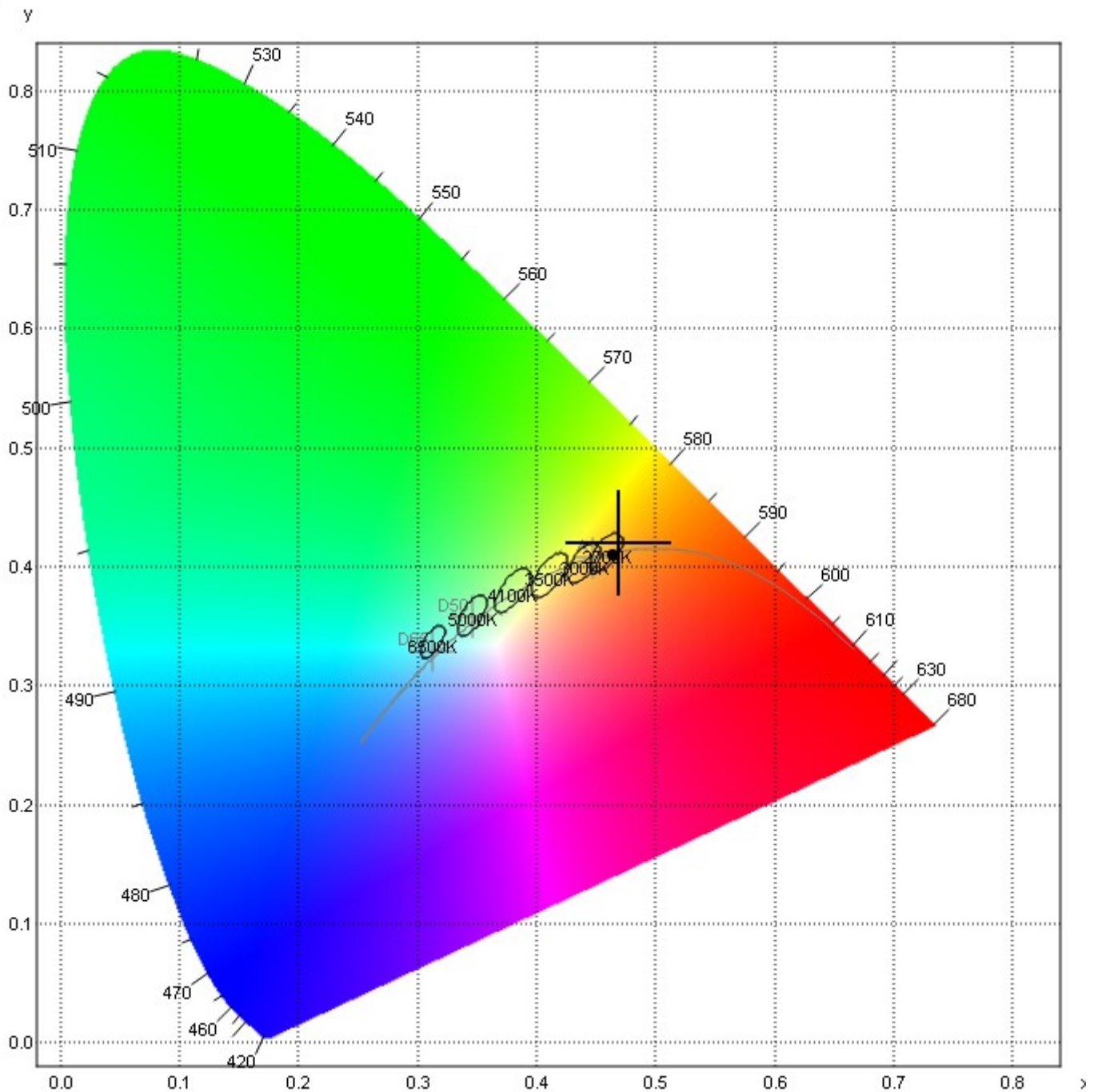
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Beam cone

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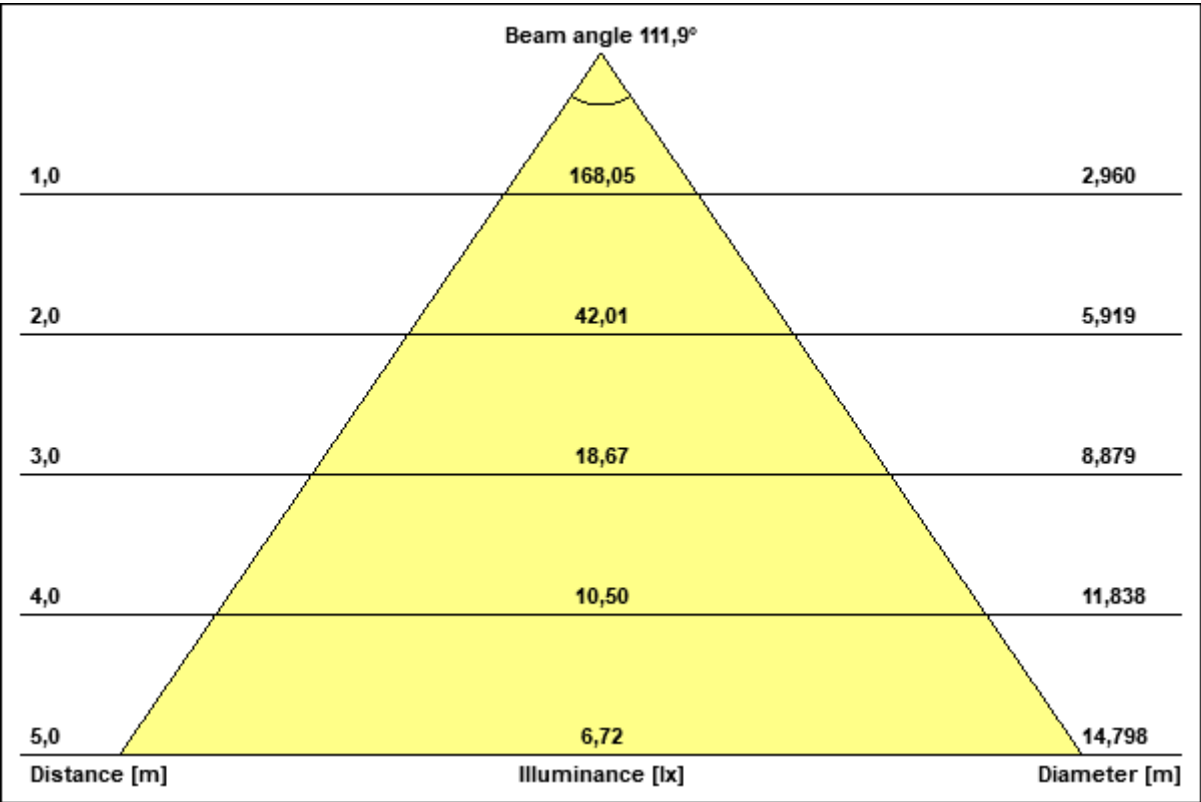
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Stabilization

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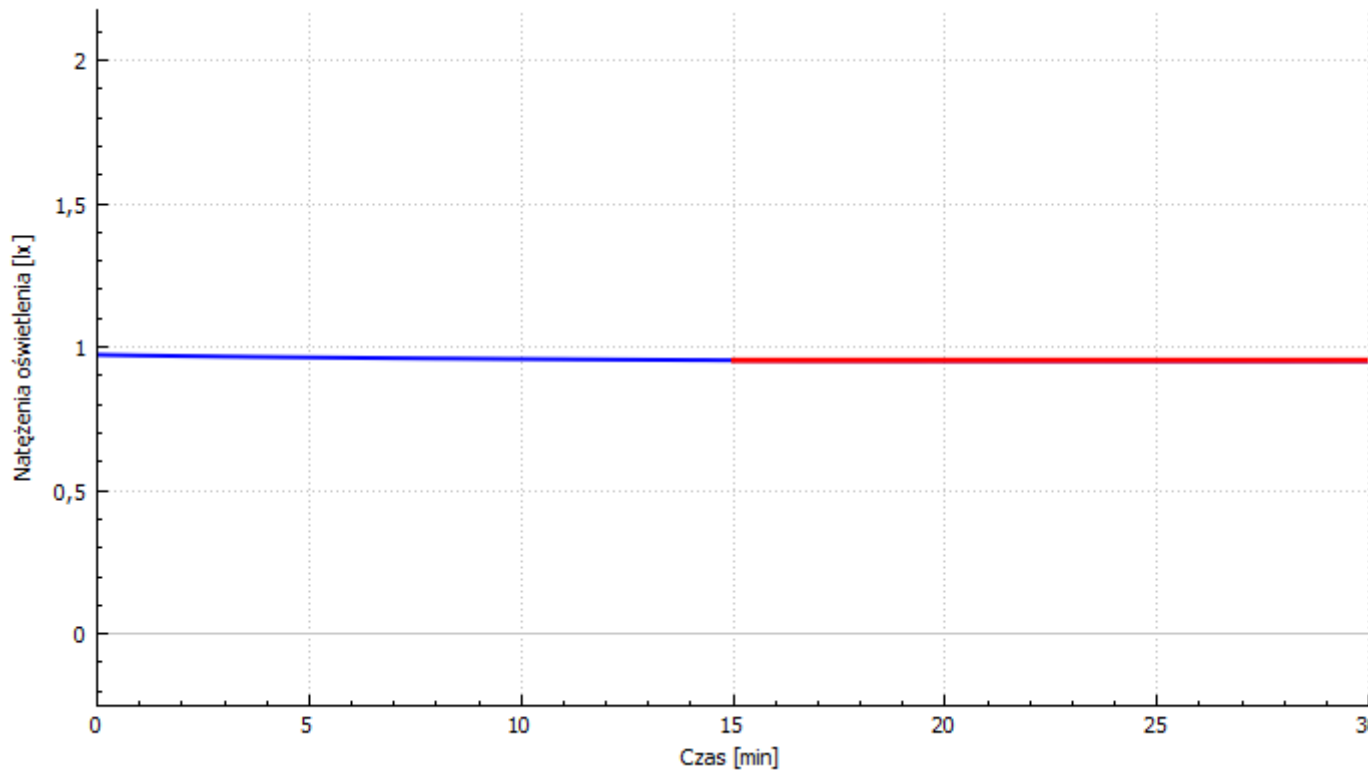
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3D Chart

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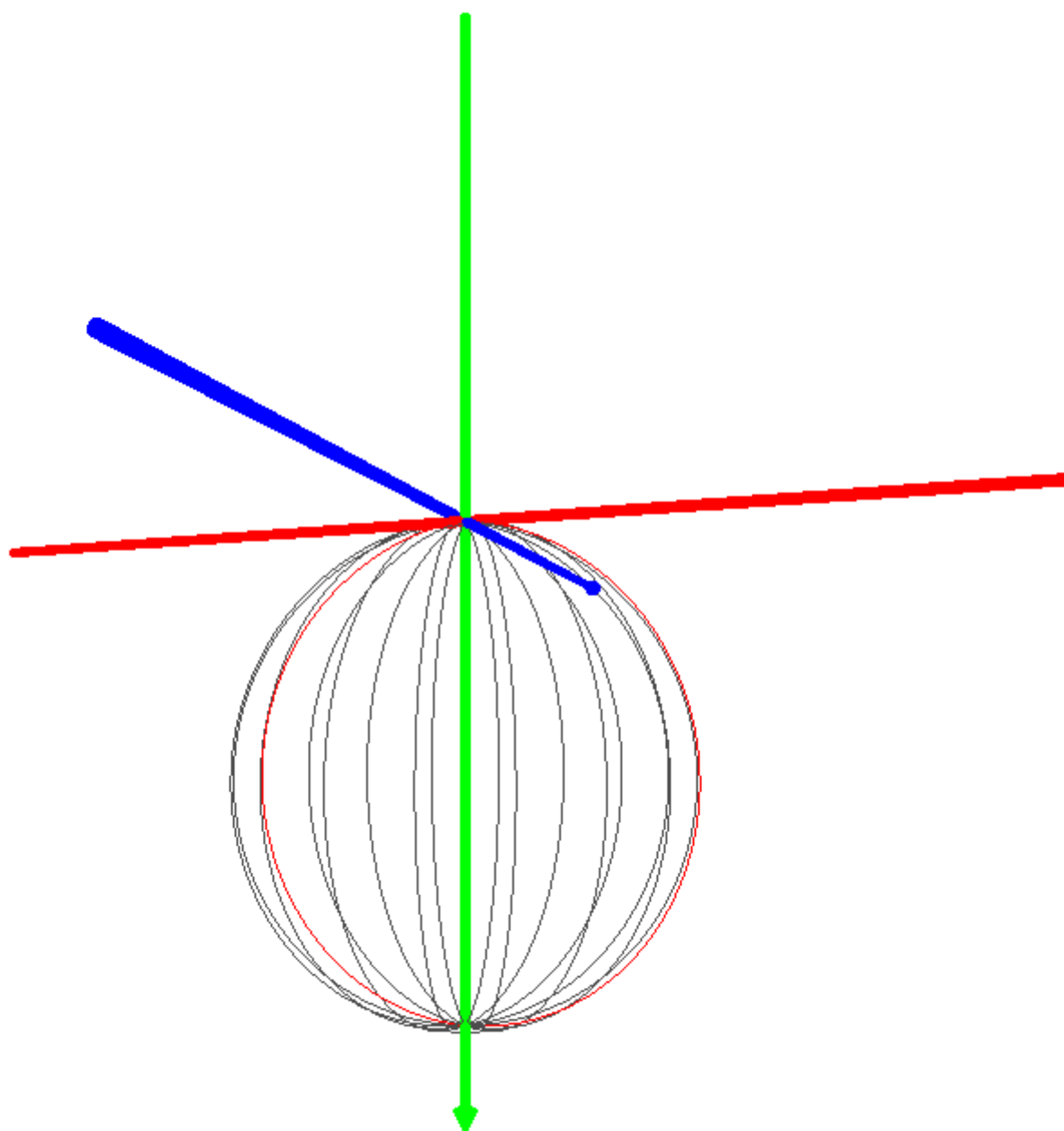
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Legend

- C0-C180

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- C90-C270
- G0-G180

U(%f)

I(%f)

**Ext
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			P(%f)
0	0,0253	16,233	0,00298
1	100,000	100,000	100,000
2	0,011	21,535	0,00052
3	0,0514	94,791	0,0527
4	0,00777	21,437	0,000844
5	0,0569	93,390	0,0513
6	0,00894	21,261	0,000721
7	0,0486	91,421	0,0419
8	0,00984	21,009	0,000769
9	0,0538	88,810	0,0417
10	0,00988	20,671	0,000718
11	0,0582	85,647	0,0424
12	0,0113	20,242	0,000738
13	0,056	81,961	0,0348
14	0,0109	19,718	0,000818
15	0,0578	77,850	0,0331
16	0,0113	19,093	0,000864
17	0,0601	73,337	0,0304
18	0,0113	18,376	0,000671
19	0,0578	68,526	0,0251
20	0,0121	17,542	0,000669
21	0,0598	63,493	0,0229

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22	0,0118	16,619	0,000608
23	0,0592	58,322	0,0194
24	0,0122	15,611	0,000649
25	0,0551	53,056	0,015
26	0,0116	14,505	0,000597
27	0,0517	47,843	0,0123
28	0,0113	13,338	0,000504
29	0,0492	42,664	0,00971
30	0,0104	12,107	0,0004
31	0,045	37,672	0,00782
32	0,0103	10,856	0,000296
33	0,0431	32,915	0,00625
34	0,00965	9,586	0,000271
35	0,0398	28,443	0,00482
36	0,0092	8,307	0,000249
37	0,0349	24,292	0,00324
38	0,00731	7,068	0,000163
39	0,0313	20,550	0,00236
40	0,00656	5,884	0,000105
41	0,0283	17,251	0,00178
42	0,00553	4,788	7,19e-05
43	0,0232	14,400	0,00111
44	0,00495	3,812	6,64e-05
45	0,0195	12,068	0,000689
46	0,00401	2,973	5,67e-05
47	0,0195	10,285	0,000672
48	0,00358	2,375	4,46e-05
49	0,0155	8,949	0,000307
50	0,00231	2,053	3,25e-05

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