

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Makita Track Smart CCT*
Item No: *AZ4836*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ4836-3000K*
LuminaireName: *Alfa Makita Track Smart CCT*
LuminaireNumber: *AZ4836-3000K*
FileName: *AZ48363000K.Idt*
Date: *2024-06-17*

Dimensions of luminaire

Length: *52 mm*
Width: *0 mm*
Height: *170 mm*

Dimensions of luminous area

Length: *35 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*

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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: *440,99 lm*
Color temperatur: *2836 K*
Color rendering index: *86,76*
Wattage including ballast: *6,47 W*

Utilization factors:

k = 0.60	<i>0,703</i>
k = 0.80	<i>0,750</i>
k = 1.00	<i>0,799</i>
k = 1.25	<i>0,837</i>
k = 1.50	<i>0,865</i>
k = 2.00	<i>0,917</i>
k = 2.50	<i>0,927</i>
k = 3.00	<i>0,940</i>
k = 4.00	<i>0,961</i>
k = 5.00	<i>0,975</i>

Electrical parameters

<i>U</i>	<i>= 229,691 V</i>
<i>I</i>	<i>= 0,095 A</i>
<i>P</i>	<i>= 6,474 W</i>
<i>Power factor</i>	<i>= 0,296</i>

<i>Power apparent</i>	<i>= 21,885 VA</i>
<i>Power Reactive</i>	<i>= -20,901 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 277,660 %</i>

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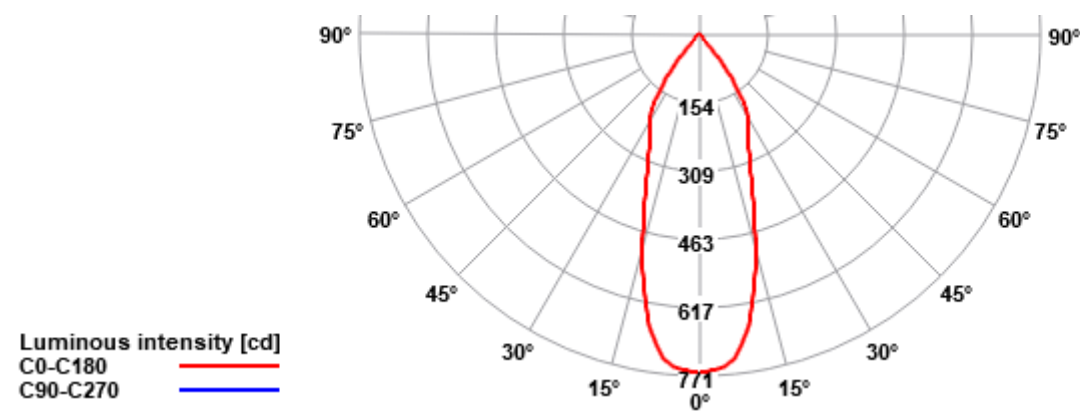
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	440,99 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	763,65 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	68,16 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4472
y	0,4045
Angular Colour Uniformity	0,0023

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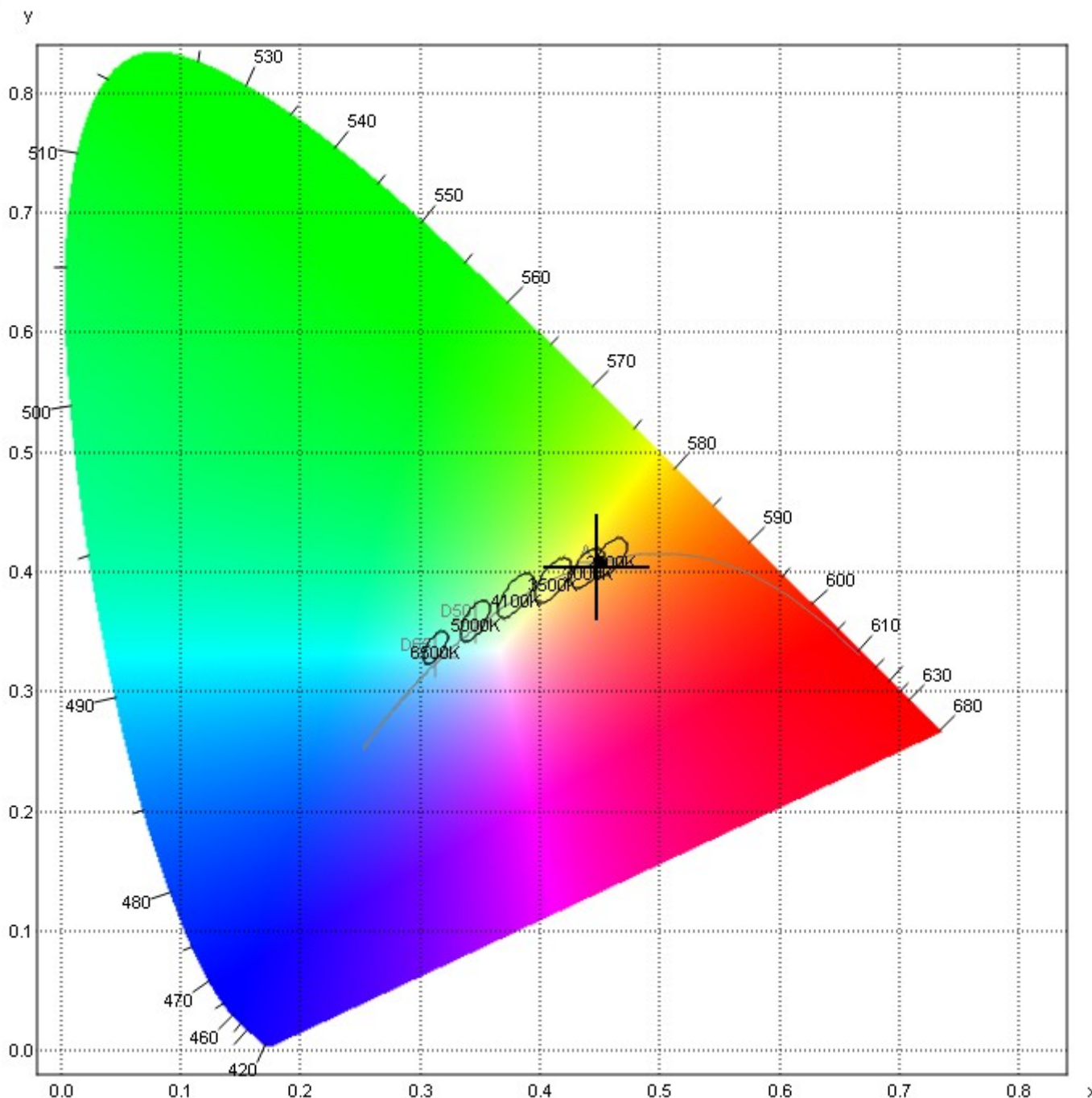
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Beam cone

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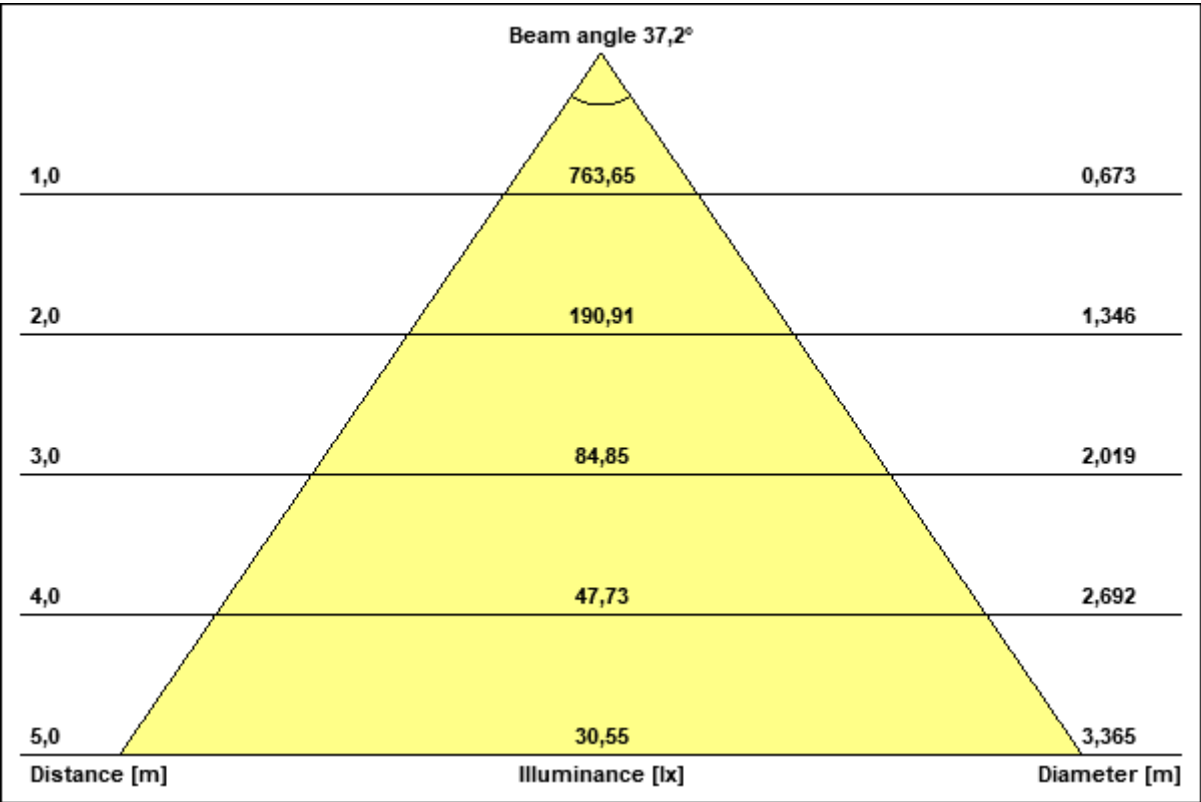
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Stabilization

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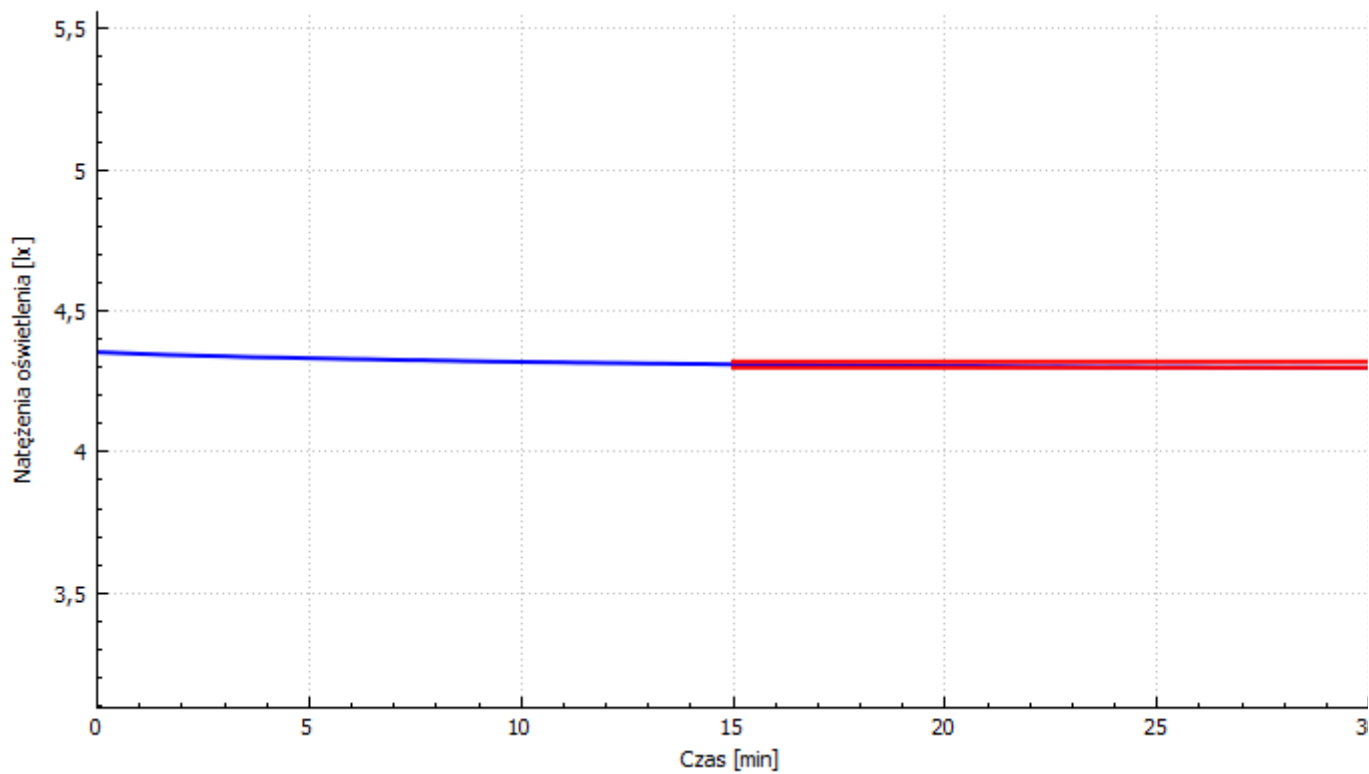
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3D Chart

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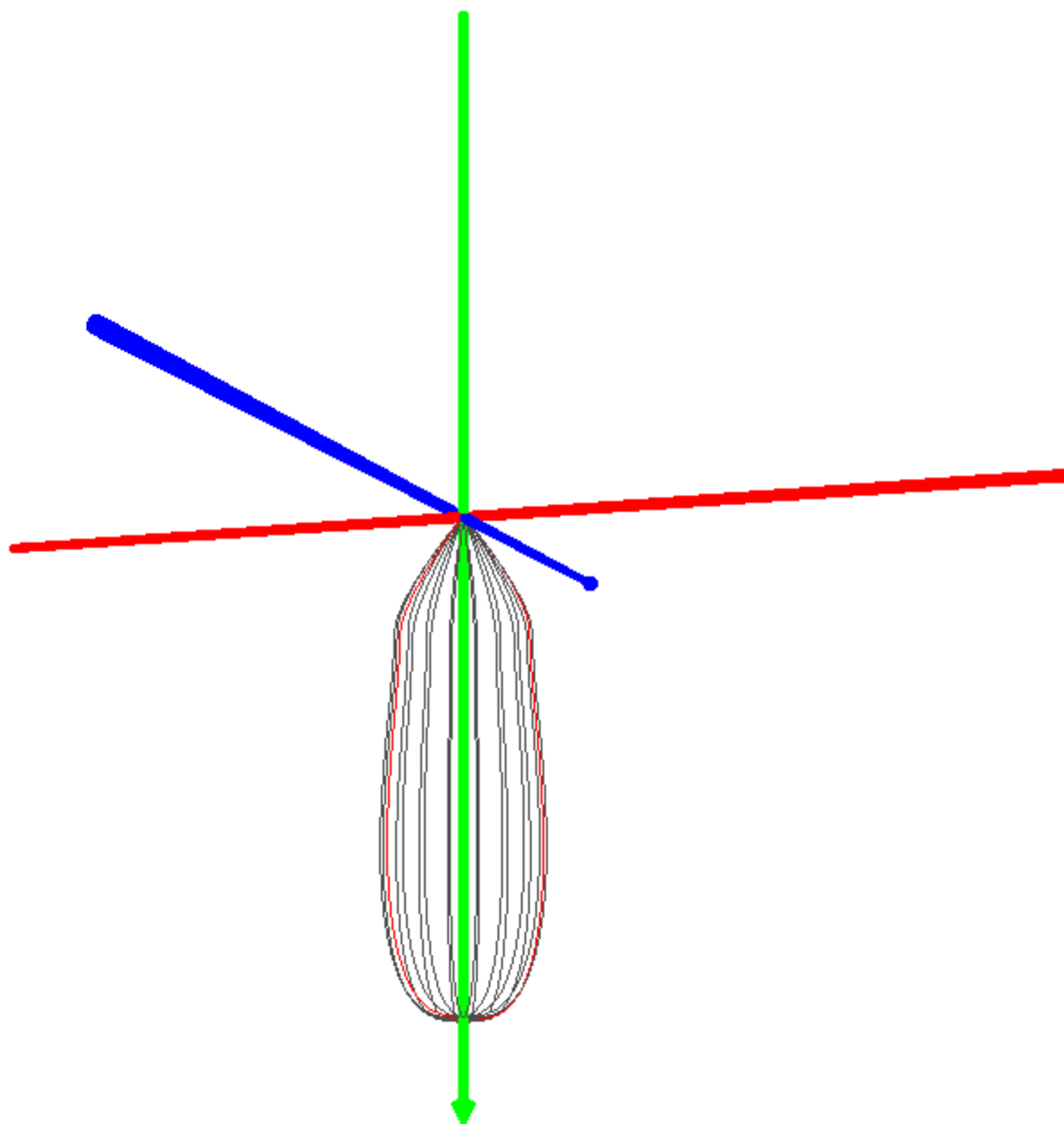
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Legend

- C0-C180

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- C90-C270
- G0-G180

U(%f)

I(%f)

Extended
electrical
report

U(%f)			I(%f)	P(%f)
Ext end ed elec tric al rep ort				
0	0	3,048	0	
1	100,000	100,000	100,000	
2	0,00706	4,389	0,000334	
3	0,0212	86,702	0,0244	
4	0,00177	4,388	8,37e-05	
5	0,0264	85,689	0,0231	
6	0,00249	4,397	0,000109	
7	0,0191	84,168	0,0157	
8	0,00131	4,396	5,21e-05	
9	0,0233	82,165	0,0166	
10	0,00142	4,403	5,67e-05	
11	0,0277	79,740	0,0192	
12	0,00104	4,385	5,01e-05	
13	0,0253	76,876	0,0134	
14	0,00165	4,368	8,73e-05	
15	0,0279	73,670	0,0141	
16	0,00211	4,330	9,83e-05	
17	0,0306	70,120	0,0133	
18	0,0021	4,283	5,96e-05	
19	0,0296	66,287	0,0111	
20	0,00193	4,199	6,26e-05	
21	0,0322	62,241	0,0111	

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22	0,00185	4,099	5,85e-05
23	0,0328	58,021	0,0099
24	0,00139	3,961	4,56e-05
25	0,0305	53,653	0,00679
26	0,00169	3,811	4,01e-05
27	0,0289	49,232	0,00539
28	0,00227	3,636	6,72e-05
29	0,0279	44,785	0,0044
30	0,00171	3,448	5,03e-05
31	0,0265	40,389	0,00357
32	0,00203	3,228	4,95e-05
33	0,0264	36,092	0,0033
34	0,00176	2,994	2,89e-05
35	0,0252	31,938	0,00284
36	0,00139	2,734	4,77e-05
37	0,0221	27,940	0,00171
38	0,00213	2,482	4,26e-05
39	0,0206	24,189	0,00118
40	0,00175	2,224	1,27e-05
41	0,0193	20,711	0,000913
42	0,0017	1,970	5,45e-06
43	0,0162	17,507	0,000522
44	0,00109	1,701	4,07e-06
45	0,013	14,649	0,000243
46	0,00121	1,460	6,67e-06
47	0,0135	12,244	0,000372
48	0,00087	1,219	1,5e-05
49	0,0104	10,177	0,000101
50	0,0015	1,038	6,39e-06

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