

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: *AZ4836-6000K*
LuminaireName: *Alfa Makita Track Smart CCT*
LuminaireNumber: *AZ4836-6000K*
FileName: *AZ48366000K.Idt*
Date: *2024-06-18*

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

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: *580,74 lm*
Color temperatur: *6238 K*
Color rendering index: *83,26*
Wattage including ballast: *6,55 W*

Utilization factors:

k = 0.60	<i>0,704</i>
k = 0.80	<i>0,750</i>
k = 1.00	<i>0,800</i>
k = 1.25	<i>0,837</i>
k = 1.50	<i>0,865</i>
k = 2.00	<i>0,918</i>
k = 2.50	<i>0,927</i>
k = 3.00	<i>0,941</i>
k = 4.00	<i>0,961</i>
k = 5.00	<i>0,975</i>

Electrical parameters

<i>U</i>	<i>= 229,710 V</i>
<i>I</i>	<i>= 0,097 A</i>
<i>P</i>	<i>= 6,546 W</i>
<i>Power factor</i>	<i>= 0,295</i>

<i>Power apparent</i>	<i>= 22,221 VA</i>
<i>Power Reactive</i>	<i>= -21,230 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 279,719 %</i>

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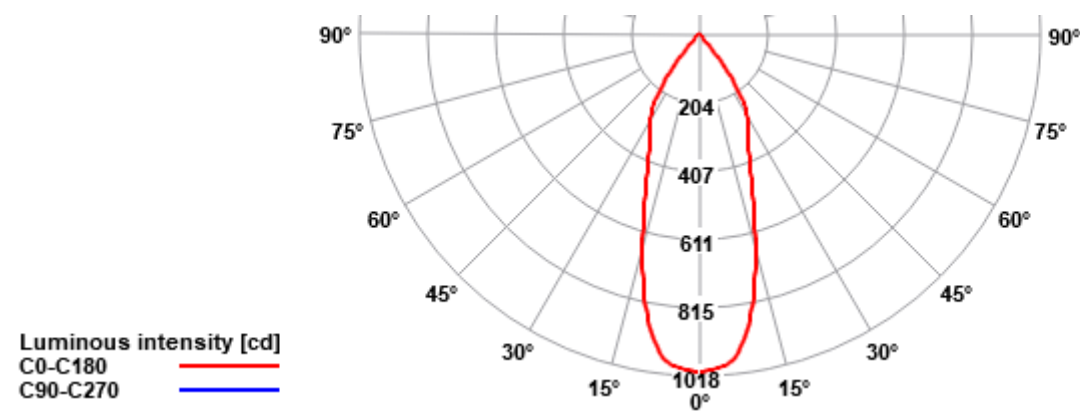
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	580,74 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	1008,37 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	88,66 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,3163
y	0,3432
Angular Colour Uniformity	0,0041

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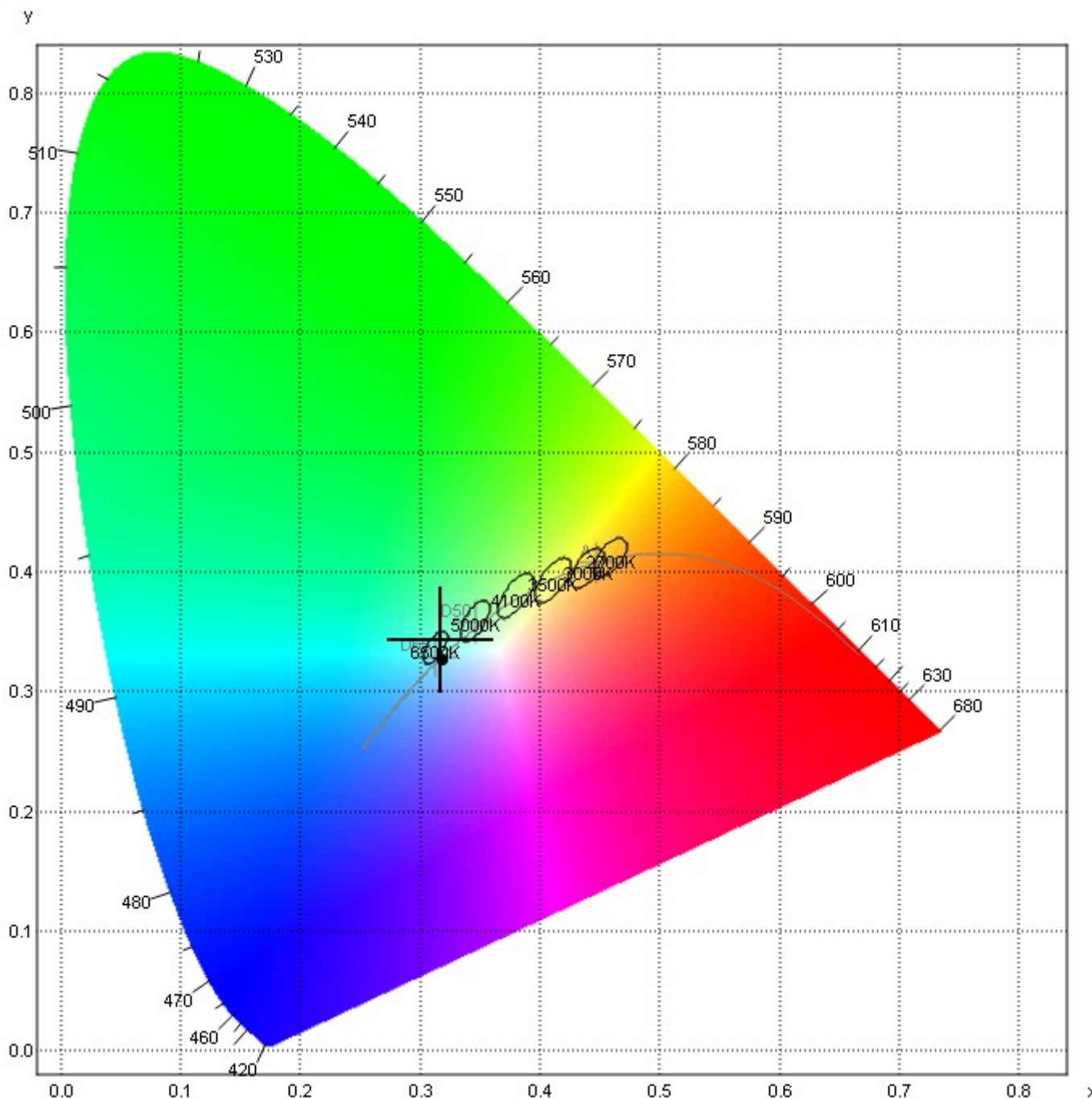
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Beam cone

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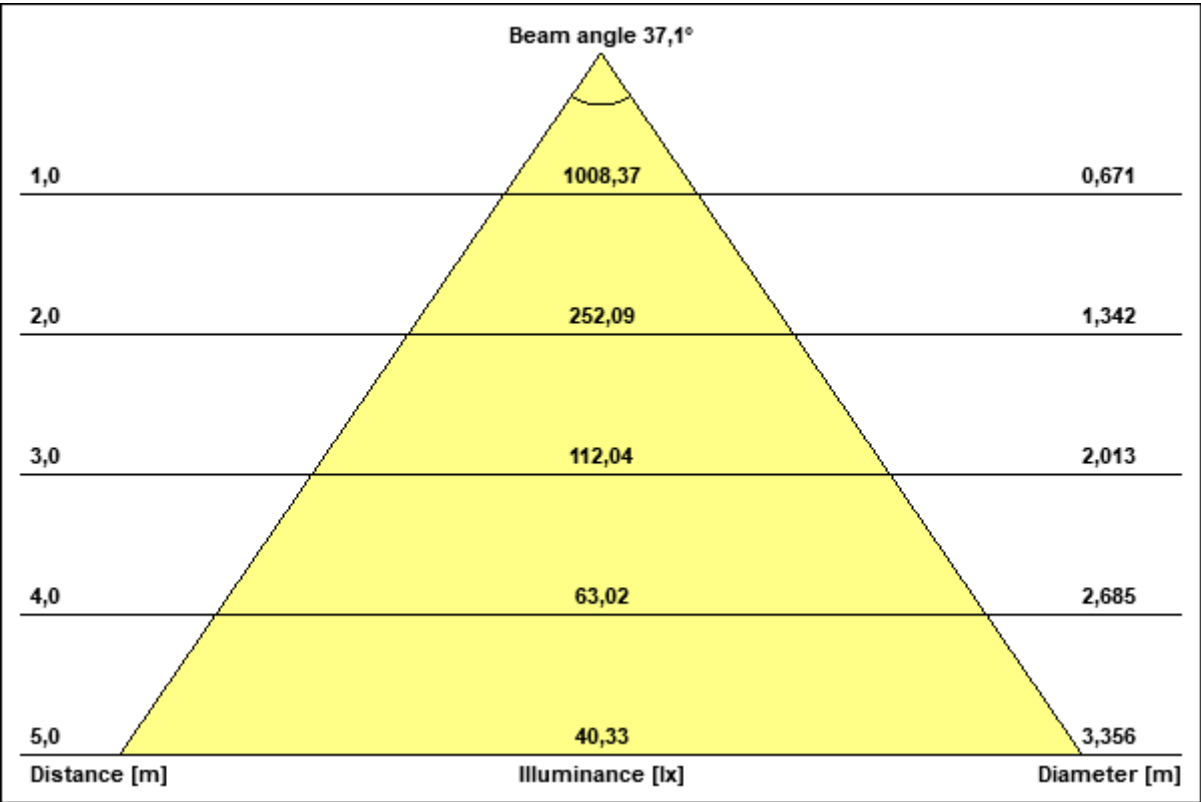
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Stabilization

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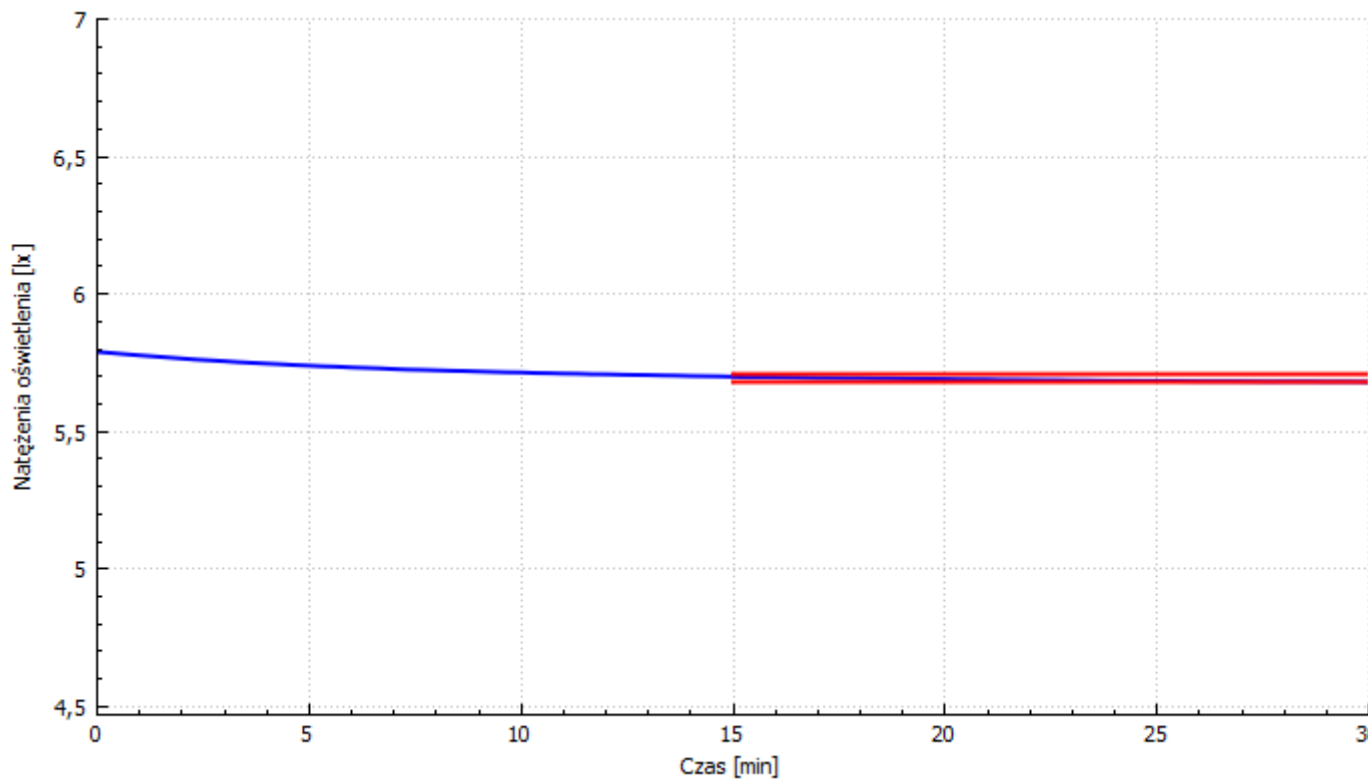
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3D Chart

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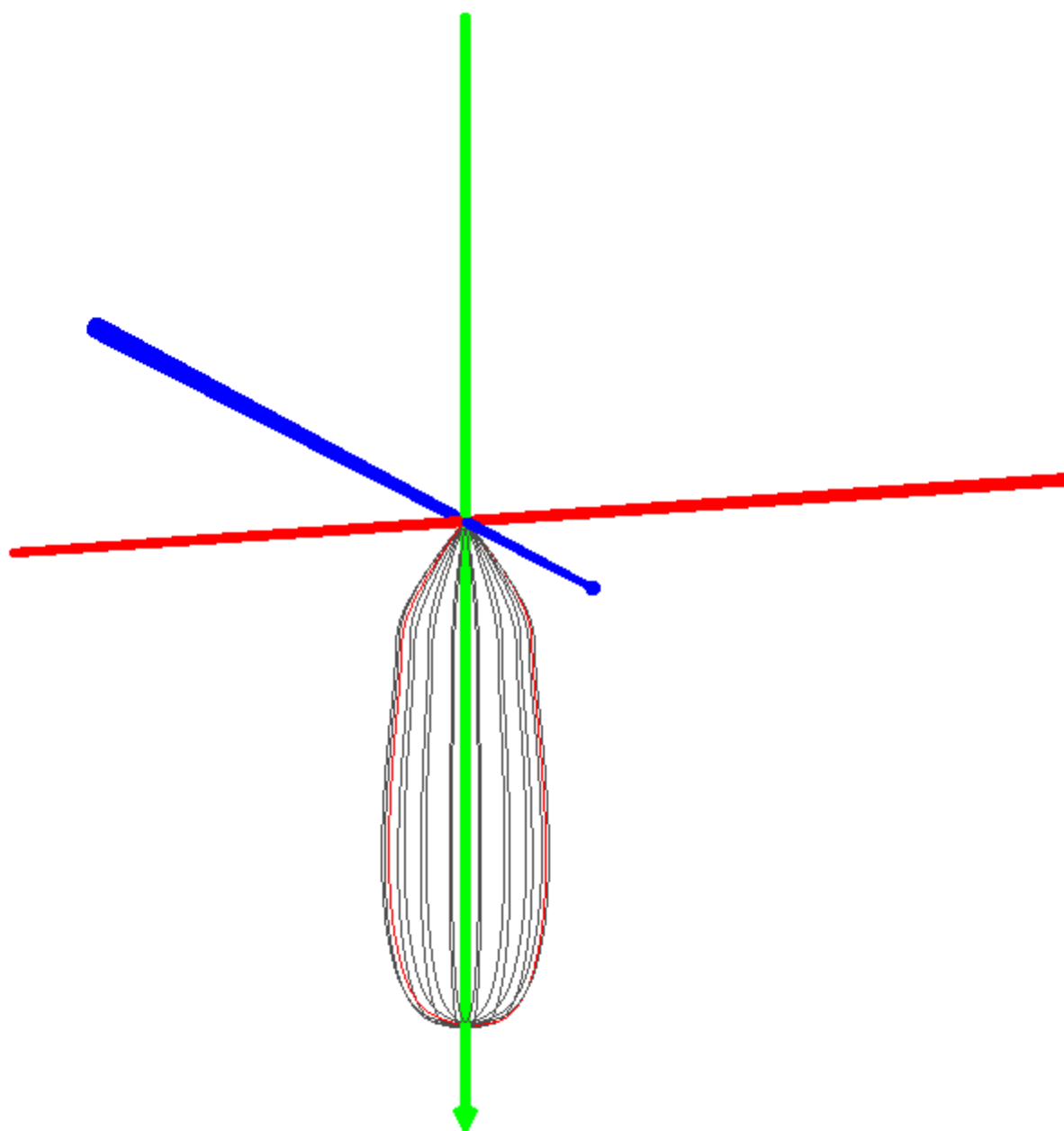
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Legend

- 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	0,0429	3,691	-0,0016	
1	100,000	100,000	100,000	
2	0,00948	4,947	-7,6e-05	
3	0,022	86,982	0,0276	
4	0,00335	4,939	7,09e-05	
5	0,03	85,991	0,0264	
6	0,0033	4,938	7,68e-05	
7	0,0201	84,478	0,0183	
8	0,00192	4,927	3,32e-05	
9	0,0261	82,500	0,0194	
10	0,00241	4,913	6,26e-05	
11	0,0297	80,089	0,0218	
12	0,00175	4,881	6,19e-05	
13	0,0273	77,252	0,0161	
14	0,00183	4,842	0,000101	
15	0,0295	74,072	0,0158	
16	0,00256	4,785	0,000104	
17	0,0321	70,546	0,0155	
18	0,00305	4,713	0,000112	
19	0,0303	66,749	0,0123	
20	0,00203	4,606	7,36e-05	
21	0,0335	62,725	0,0121	

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22	0,00246	4,478	4,01e-05
23	0,0345	58,538	0,0111
24	0,00165	4,313	6,98e-05
25	0,0308	54,190	0,0079
26	0,00218	4,129	0,000103
27	0,0301	49,795	0,00621
28	0,00253	3,937	8,97e-05
29	0,029	45,386	0,00498
30	0,00234	3,717	7,55e-05
31	0,0272	40,995	0,00413
32	0,00225	3,471	6,01e-05
33	0,027	36,725	0,00386
34	0,00204	3,203	5e-05
35	0,0259	32,571	0,00319
36	0,002	2,919	5,36e-05
37	0,0233	28,592	0,00215
38	0,00253	2,642	4,37e-05
39	0,0217	24,839	0,00153
40	0,00221	2,366	3,06e-05
41	0,0197	21,366	0,00115
42	0,00213	2,082	1,94e-05
43	0,016	18,157	0,000756
44	0,00143	1,799	4,88e-06
45	0,0138	15,295	0,000425
46	0,00141	1,537	2,91e-06
47	0,0139	12,856	0,00053
48	0,00134	1,298	1,38e-05
49	0,0103	10,767	8,13e-05
50	0,00141	1,114	1,28e-05

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