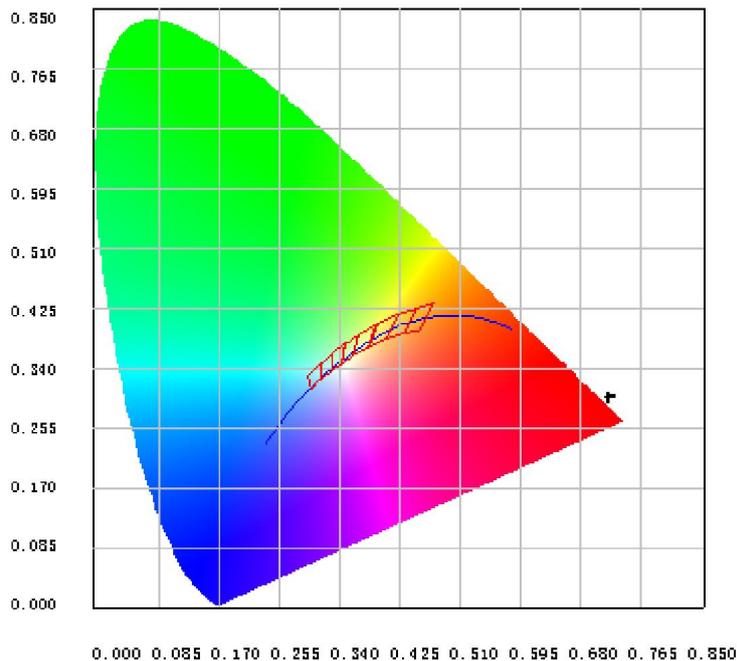


Spectrum Parameters

x:	0.7166	y:	0.3031		
u:	0.5508	v:	0.3495		
WD:	621.8 nm	WP:	732.7 nm		
HW:	19.9 nm	Purity:	100.000		
CCT:	1001 K	Ra:	1.3		
SDCM :	389.31	DUV :	0.0036		
Ratio :	R%: 99.9	G%: 0.0	B%: 0.1		
Kred	74.23%	Kgreen	24.78%	Kblue	0.99%
R1:	30.1	R2:	90.0	R3:	-7.5
R4:	-10.2	R5:	45.7	R6:	-21.1
R7:	-44.8	R8:	-71.8	R9:	-117.3
R10:	83.4	R11:	-38.8	R12:	-275.2
R13:	58.1	R14:	-54.5	R15:	-25.0

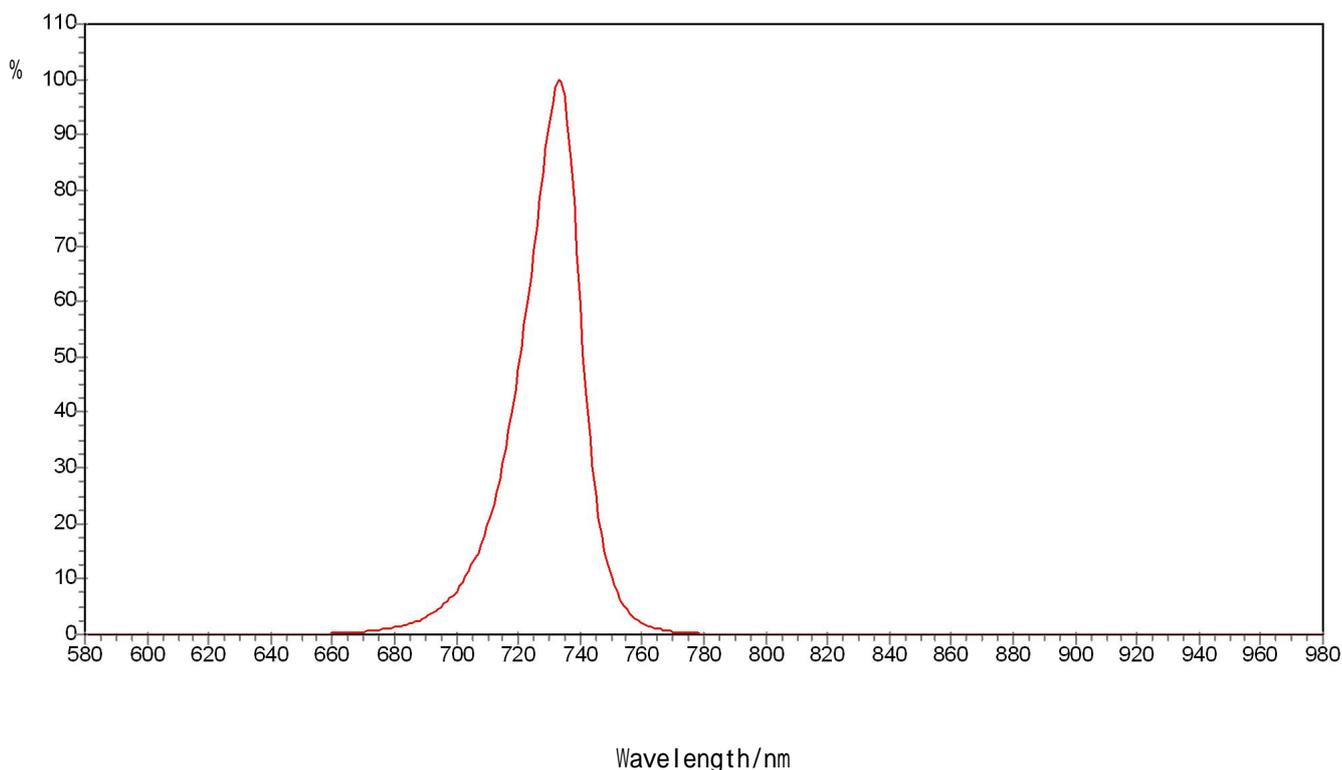


Electrical parameters

Flux:	1.372 lm	E:	2.628 lm/w	P:	203.66 mw		
I:	250.0 mA	V:	2.09 V	P:	0.522 w	PF:	

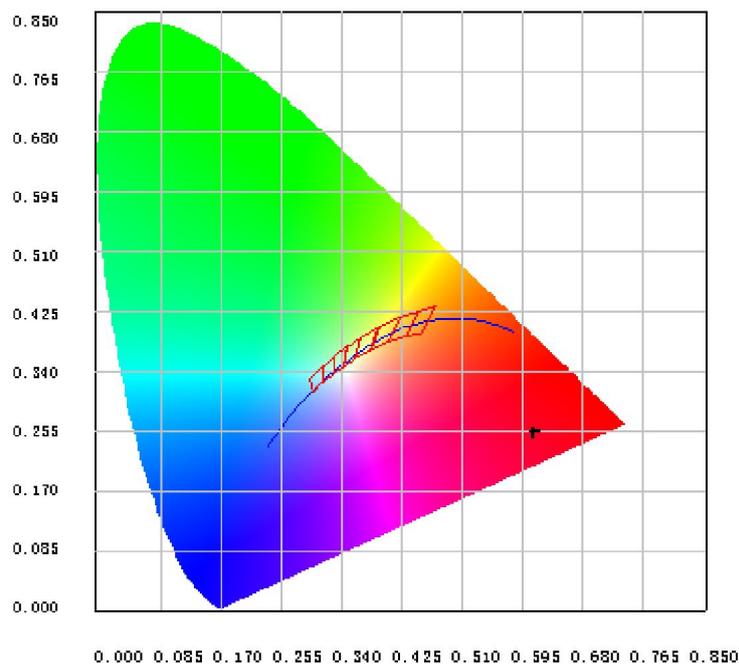
Memo:

Product Mode:	1	Item No:	1
Tester:	Y	Date:	2025-05-13 14:44
Temperature:	24 ()	Humidity:	60 (%)
Manufacturer:	ZVISION	organization:	杭州中为光电



Spectrum Parameters

x:	0.6095	y:	0.2582		
u:	0.4997	v:	0.3175		
WD:	768.0 nm	WP:	733.0 nm		
HW:	20.5 nm	Purity:	69.971		
CCT:	1001 K	Ra:	-5.4		
SDCM:	311.62	DUV:	-0.0326		
Ratio:	R%: 99.8	G%: 0.0	B%: 0.2		
Kred	70.99%	Kgreen	25.47%	Kblue	3.54%
R1:	-11.6	R2:	42.3	R3:	-98.6
R4:	19.7	R5:	-9.0	R6:	69.8
R7:	5.1	R8:	-61.0	R9:	-166.9
R10:	-51.1	R11:	-56.9	R12:	-129.9
R13:	1.7	R14:	-99.3	R15:	-53.7

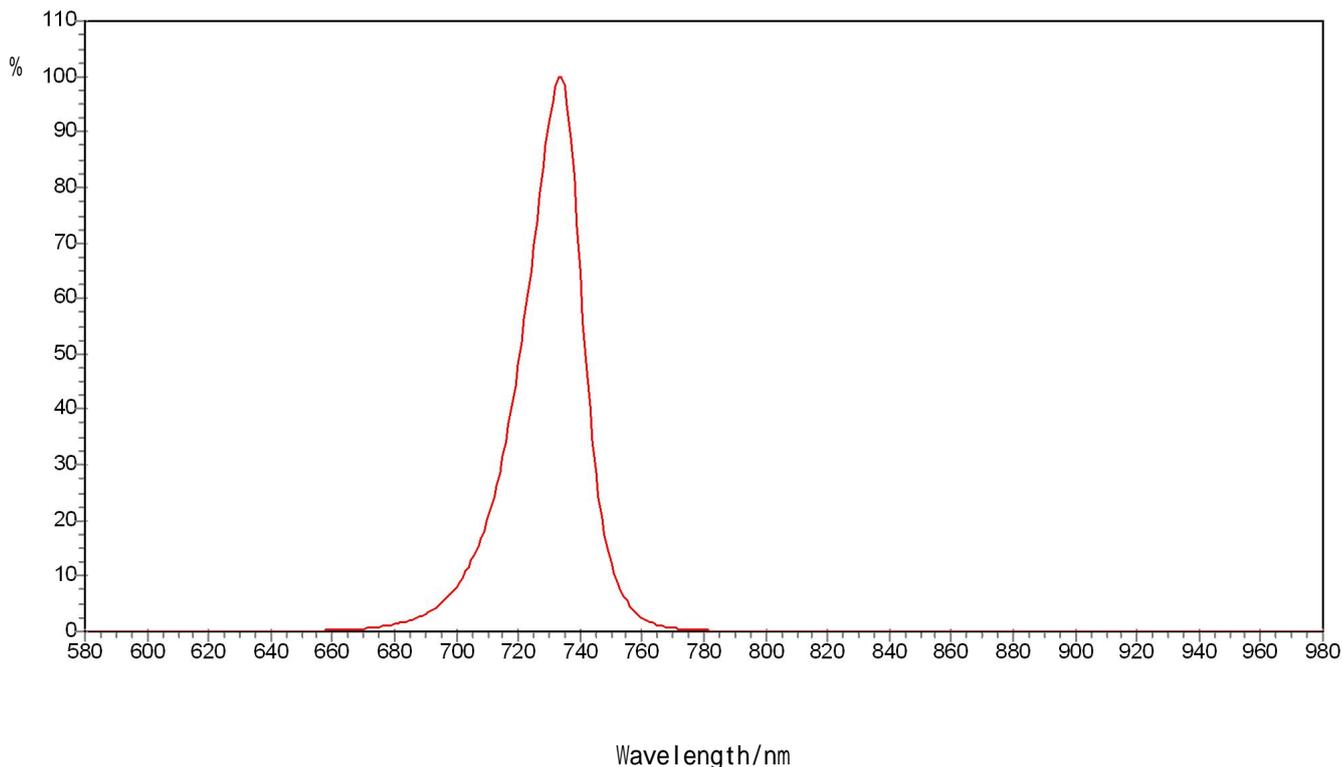


Electrical parameters

Flux:	1.996 lm	E:	2.616 lm/w	P:	284.86 mw		
I:	350.0 mA	V:	2.18 V	P:	0.763 w	PF:	

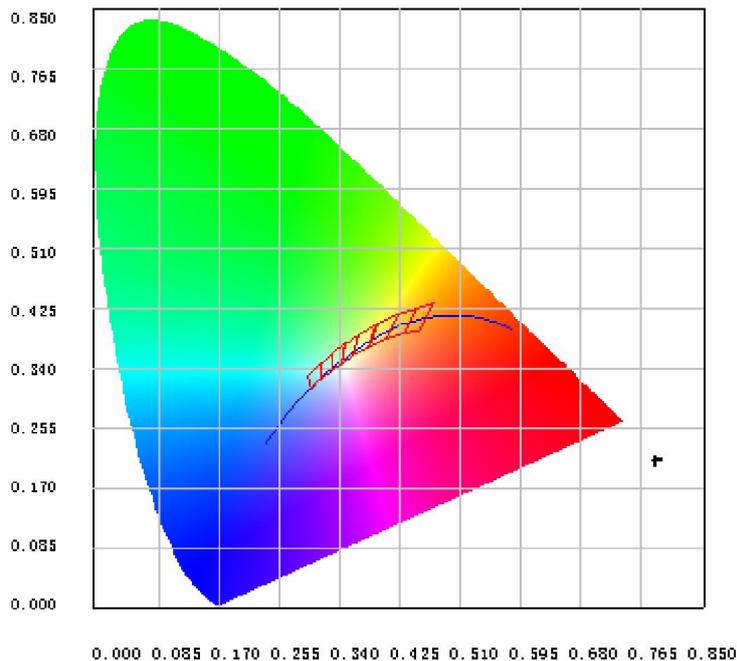
Memo:

Product Mode:	1	Item No:	2
Tester:	Y	Date:	2025-05-13 14:44
Temperature:	24 ()	Humidity:	60 (%)
Manufacturer:	ZVISION	organization:	杭州中为光电



Spectrum Parameters

x: 0.7826 y: 0.2131
 u: 0.7840 v: 0.3203
 WD: 768.0 nm WP: 733.2 nm
 HW: 21.3 nm Purity: 100.000
 CCT: 1001 K Ra: -507.1
 SDCM : 493.01 DUV : -0.0058
 Ratio: R%: 99.9 G%: 0.0 B%: 0.1
 Kred 90.41% Kgreen 8.08% Kblue 1.51%
 R1: -455.5 R2: -83.6 R3: -248.0
 R4: -1115. R5: -812.1 R6: -1.8
 R7: -507.9 R8: -833.1 R9: -1240.
 R10: -348.3 R11: 16.7 R12: -568.5
 R13: -371.5 R14: -340.6 R15: -657.4

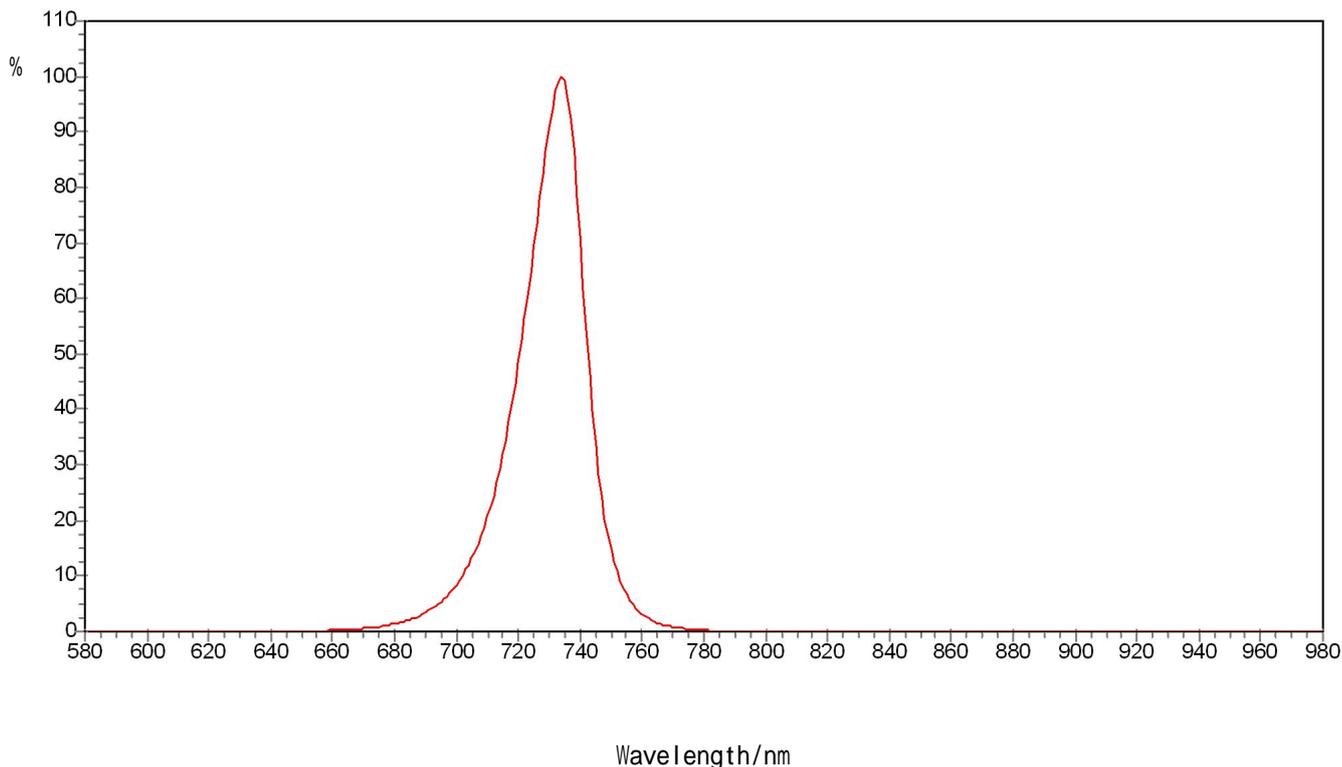


Electrical parameters

Flux: 2.796 lm E: 2.264 lm/w P: 398.82 mw
 I: 500.0 mA V: 2.47 V P: 1.235 w PF:

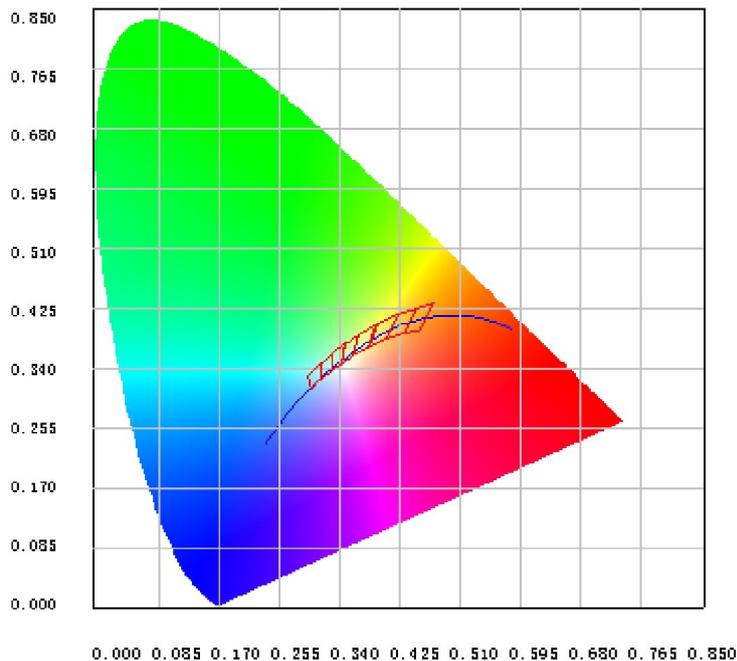
Memo:

Product Mode: 1	Item No: 3
Tester: Y	Date: 2025-05-13 14:44
Temperature: 24 ()	Humidity: 60 (%)
Manufacturer: ZVISION	organization: 杭州中为光电



Spectrum Parameters

x: 1.0000 y: 0.1324
 u: 0.0000 v: 0.0000
 WD: 768.0 nm WP: 733.6 nm
 HW: 22.1 nm Purity: 100.000
 CCT: 100000 K Ra: -144405.6
 SDCM : 732.94 DUV : 0.0453
 Ratio : R%: 100.0 G%: 0.0 B%: 0.0
 Kred 100.00 Kgreen 0.00% Kblue 0.00%
 R1: -55546 R2: -26840 R3: -25712
 R4: -245.2 R5: -204.3 R6: -94846
 R7: -58216 R8: -36968 R9: -23981
 R10: -34464 R11: -3848. R12: -71187
 R13: -50731 R14: -25943 R15: -61006

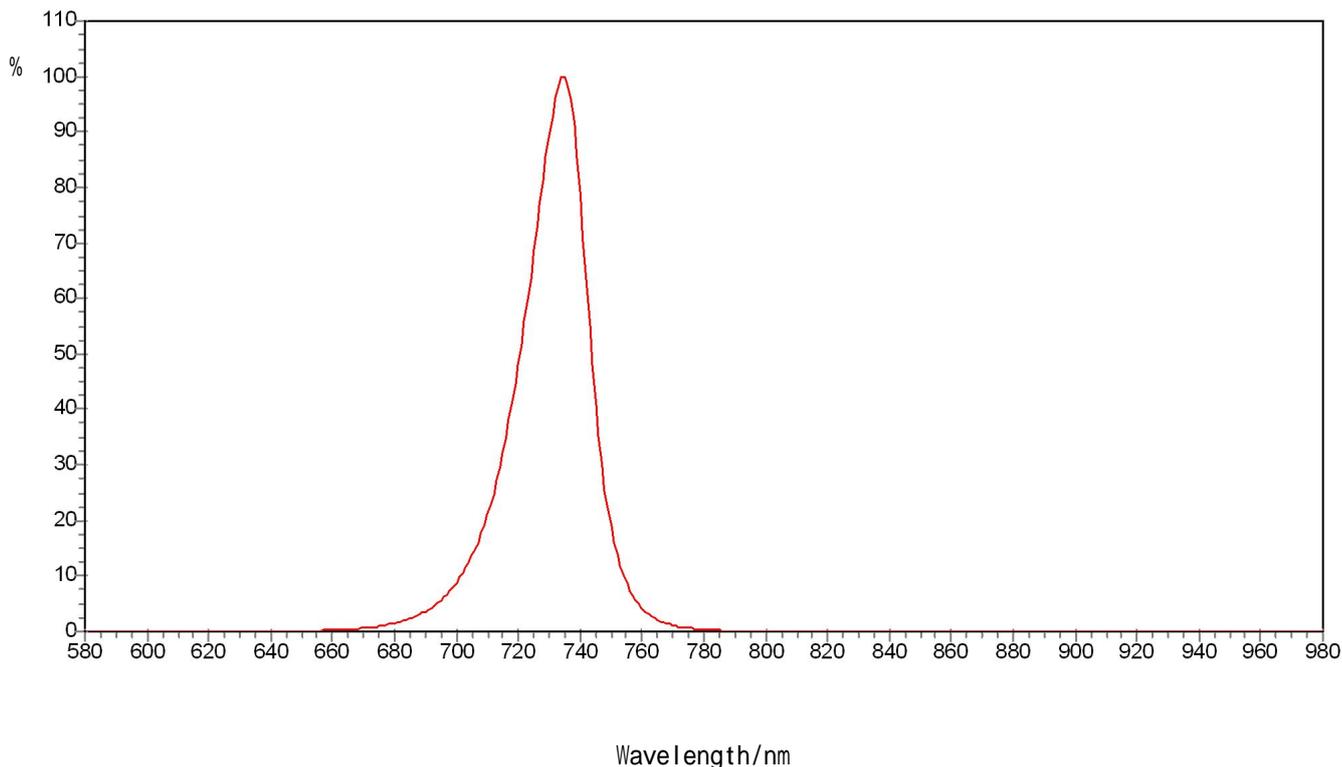


Electrical parameters

Flux: 3.831 lm E: 1.881 lm/w P: 545.50 mw
 I: 700.0 mA V: 2.91 V P: 2.037 w PF:

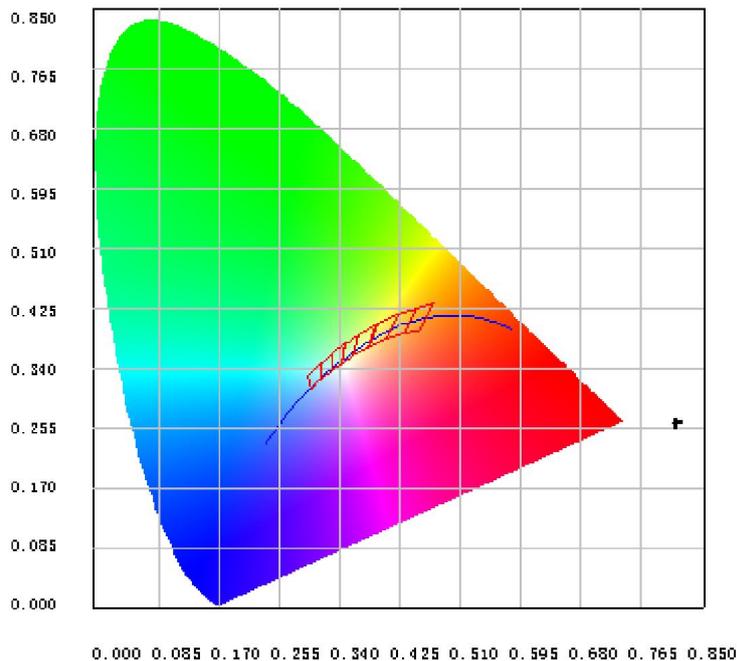
Memo:

Product Mode: 1	Item No: 4
Tester: Y	Date: 2025-05-13 14:44
Temperature: 24 ()	Humidity: 60 (%)
Manufacturer: ZVISION	organization: 杭州中为光电



Spectrum Parameters

x: 0.8108 y: 0.2650
 u: 0.7115 v: 0.3488
 WD: 643.9 nm WP: 734.2 nm
 HW: 23.2 nm Purity: 100.000
 CCT: 1001 K Ra: -9992.1
 SDCM : 494.12 DUV : 0.0165
 Ratio: R%: 99.9 G%: 0.0 B%: 0.1
 Kred 87.10% Kgreen 12.22% Kblue 0.68%
 R1: -14880 R2: -5757. R3: -3226.
 R4: -4958. R5: -5229. R6: -2078.
 R7: -10540 R8: -33265 R9: -40072
 R10: -14058 R11: -1853. R12: -789.5
 R13: -10850 R14: -5557. R15: -26516

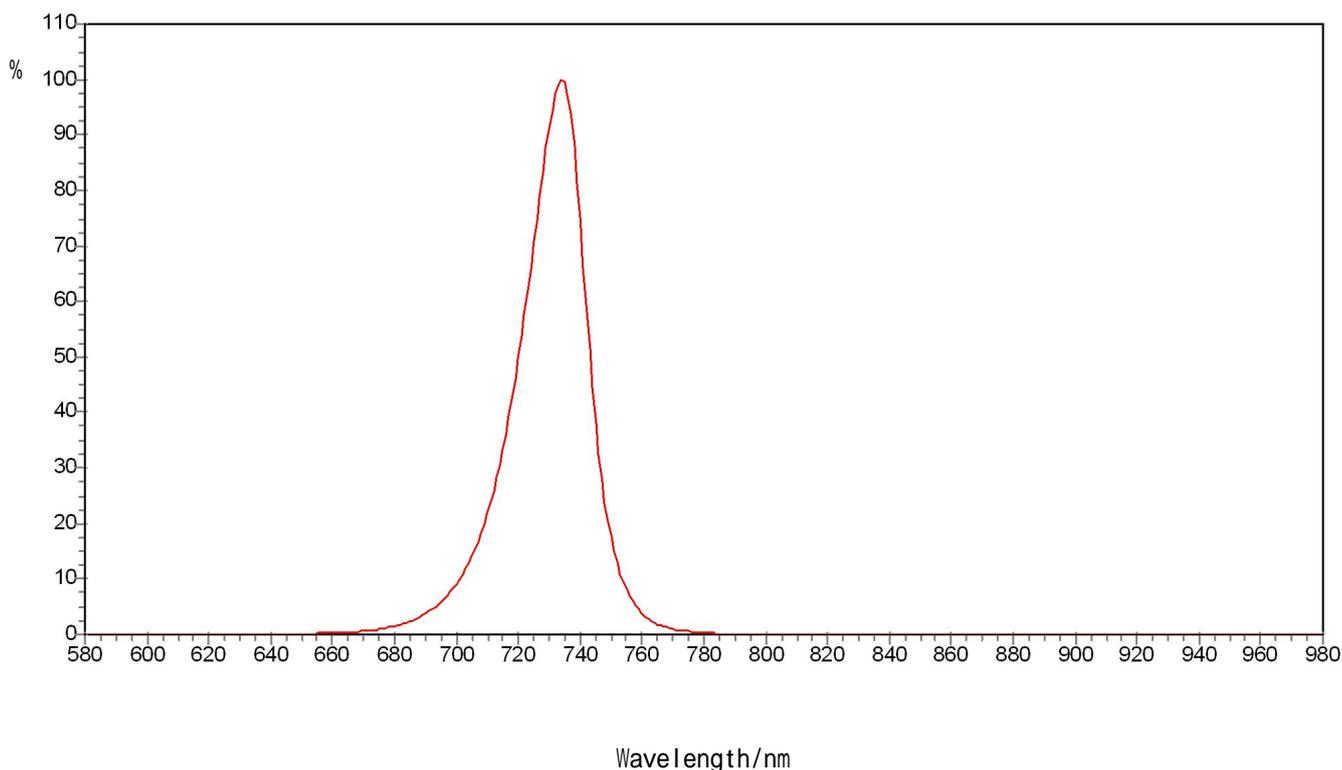


Electrical parameters

Flux: 5.335 lm E: 1.555 lm/w P: 774.20 mw
 I: 1000.0 mA V: 3.43 V P: 3.430 w PF:

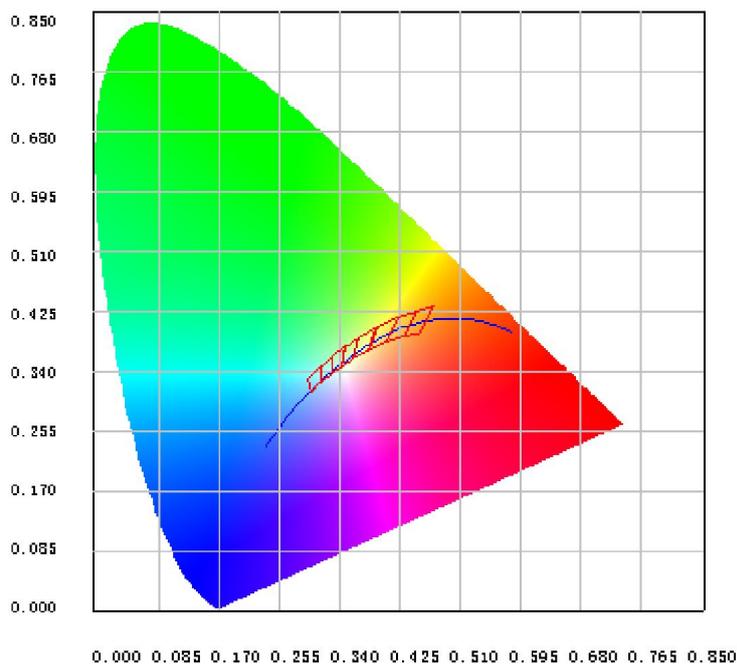
Memo:

Product Mode: 1	Item No: 5
Tester: Y	Date: 2025-05-13 14:44
Temperature: 24 ()	Humidity: 60 (%)
Manufacturer: ZVISION	organization: 杭州中为光电



Spectrum Parameters

x:	1.0000	y:	0.2989		
u:	1.0000	v:	0.5571		
WD:	616.8 nm	WP:	733.7 nm		
HW:	23.1 nm	Purity:	100.000		
CCT:	1001 K	Ra:	-368.8		
SDCM :	653.83	DUV :	0.0721		
Ratio :	R%: 100.0	G%: 0.0	B%: 0.0		
Kred	99.01%	Kgreen	0.70%	Kblue	0.29%
R1:	-588.5	R2:	-218.1	R3:	-375.1
R4:	-174.3	R5:	-168.2	R6:	60.2
R7:	-585.0	R8:	-901.6	R9:	-1198.
R10:	-585.9	R11:	-204.0	R12:	-548.4
R13:	-549.0	R14:	-444.1	R15:	-761.8

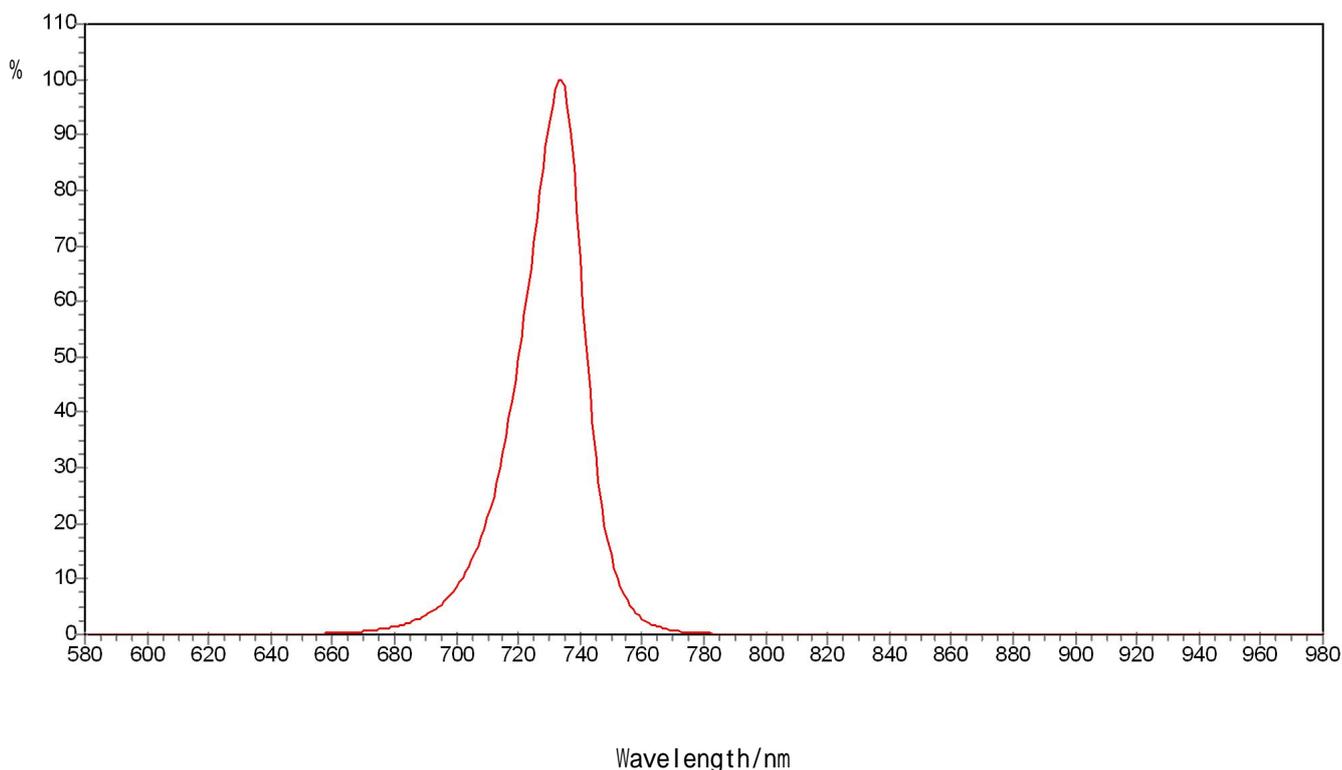


Electrical parameters

Flux:	5.457 lm	E:	1.813 lm/w	P:	783.75 mw	
I:	1000.0 mA	V:	3.01 V	P:	3.010 w	PF:

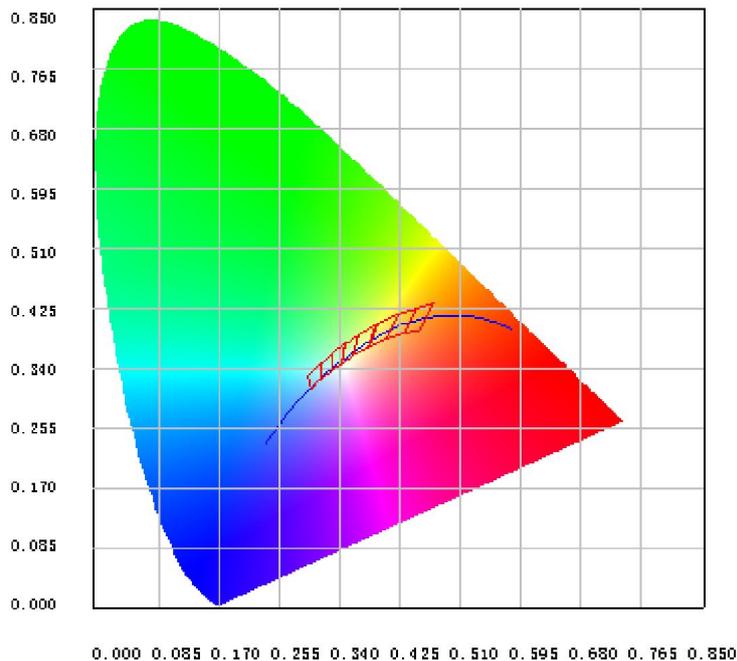
Memo:

Product Mode:	1	Item No:	6
Tester:	Y	Date:	2025-05-13 14:44
Temperature:	24 ()	Humidity:	60 (%)
Manufacturer:	ZVISION	organization:	杭州中为光电



Spectrum Parameters

x: 1.0000 y: 0.1991
 u: 1.0000 v: 0.5001
 WD: 768.0 nm WP: 733.3 nm
 HW: 22.1 nm Purity: 100.000
 CCT: 1001 K Ra: -386.2
 SDCM : 700.15 DUV : 0.0598
 Ratio: R%: 100.0 G%: 0.0 B%: 0.0
 Kred 98.53% Kgreen 1.39% Kblue 0.08%
 R1: -634.9 R2: -212.8 R3: -341.5
 R4: -174.3 R5: -168.2 R6: 24.3
 R7: -637.9 R8: -944.7 R9: -1234.
 R10: -571.7 R11: -357.8 R12: -628.9
 R13: -586.7 R14: -451.6 R15: -795.9

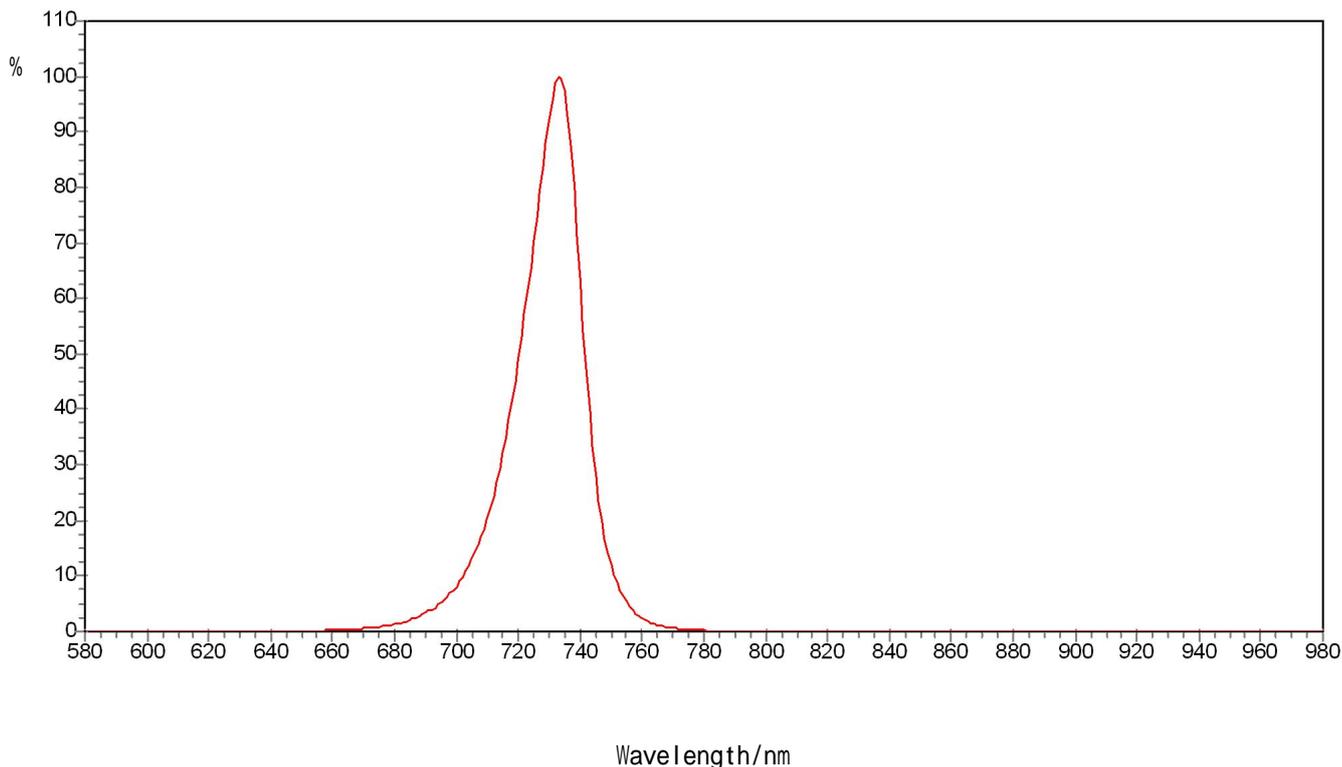


Electrical parameters

Flux: 3.914 lm E: 2.228 lm/w P: 555.93 mw
 I: 700.0 mA V: 2.51 V P: 1.757 w PF:

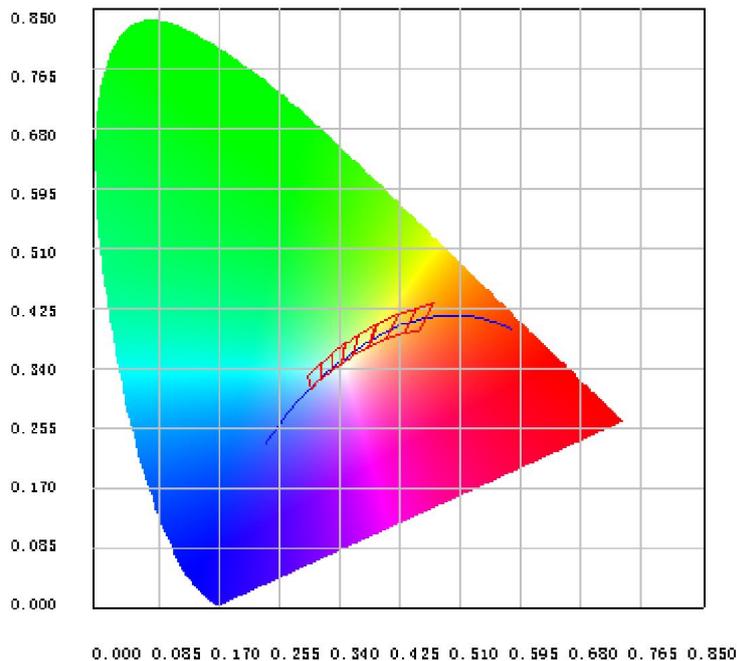
Memo:

Product Mode: 1	Item No: 7
Tester: Y	Date: 2025-05-13 14:44
Temperature: 24 ()	Humidity: 60 (%)
Manufacturer: ZVISION	organization: 杭州中为光电



Spectrum Parameters

x: 0.9396 y: 0.2606
 u: 0.8848 v: 0.3681
 WD: 720.0 nm WP: 733.0 nm
 HW: 21.3 nm Purity: 100.000
 CCT: 1001 K Ra: -652.9
 SDCM: 615.28 DUV: 0.0504
 Ratio: R%: 100.0 G%: 0.0 B%: 0.0
 Kred 97.76% Kgreen 1.46% Kblue 0.79%
 R1: -441.6 R2: -97.1 R3: -164.2
 R4: -2194. R5: -1182. R6: 21.0
 R7: -452.6 R8: -711.4 R9: -993.0
 R10: -330.2 R11: -129.4 R12: -520.2
 R13: -391.1 R14: -286.9 R15: -570.6

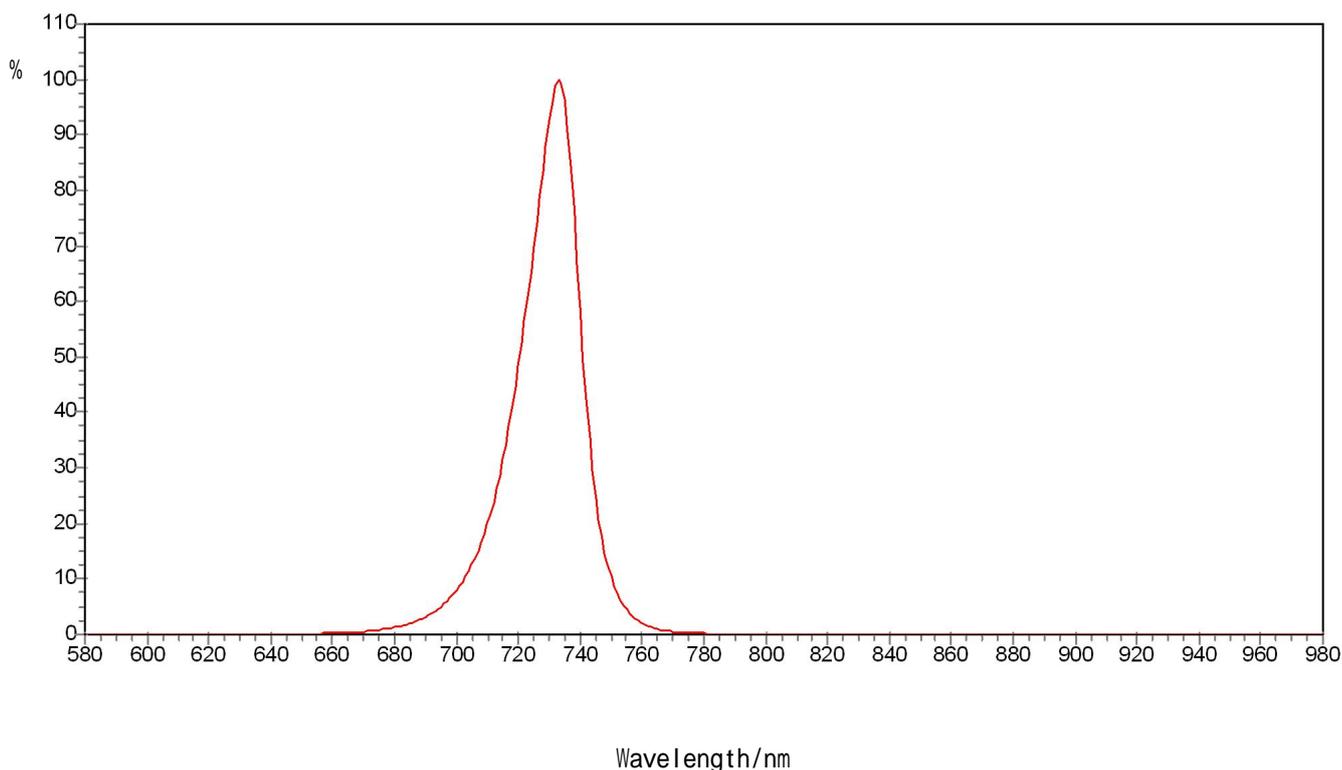


Electrical parameters

Flux: 2.806 lm E: 2.563 lm/w P: 399.63 mw
 I: 500.0 mA V: 2.19 V P: 1.095 w PF:

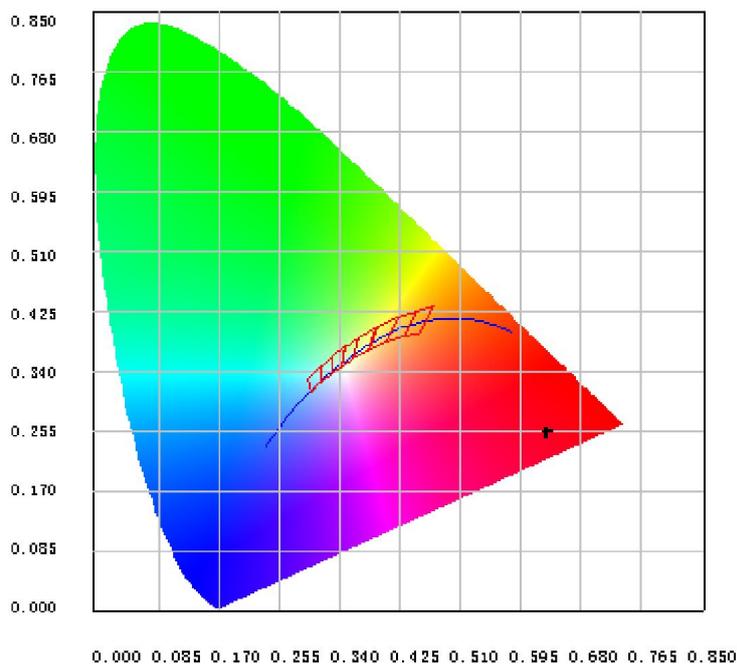
Memo:

Product Mode: 1	Item No: 8
Tester: Y	Date: 2025-05-13 14:44
Temperature: 24 ()	Humidity: 60 (%)
Manufacturer: ZVISION	organization: 杭州中为光电



Spectrum Parameters

x:	0.6303	y:	0.2578		
u:	0.5216	v:	0.3200		
WD:	768.0 nm	WP:	732.8 nm		
HW:	20.6 nm	Purity:	74.900		
CCT:	1001 K	Ra:	-26.0		
SDCM :	330.89	DUV :	-0.0282		
Ratio :	R%: 99.8	G%: 0.1	B%: 0.1		
Kred	79.92%	Kgreen	18.12%	Kblue	1.96%
R1:	-44.8	R2:	34.7	R3:	-57.6
R4:	-79.9	R5:	-60.2	R6:	68.9
R7:	-4.9	R8:	-64.4	R9:	-139.4
R10:	-41.5	R11:	46.2	R12:	-155.7
R13:	-40.8	R14:	-71.0	R15:	-59.9



Electrical parameters

Flux:	1.981 lm	E:	2.859 lm/w	P:	282.82 mw		
I:	350.0 mA	V:	1.98 V	P:	0.693 w	PF:	

Memo:

Product Mode: 1

Item No: 9

Tester: Y

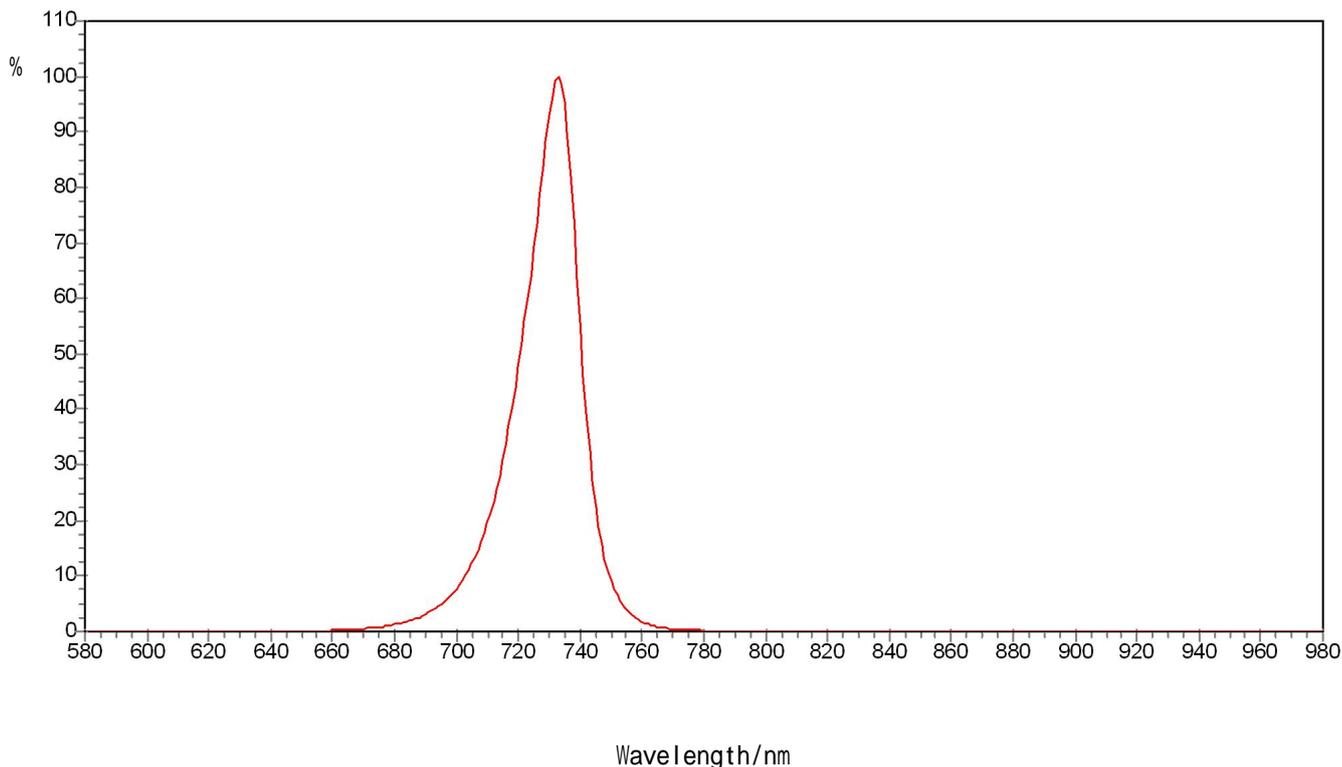
Date: 2025-05-13 14:44

Temperature: 24 ()

Humidity: 60 (%)

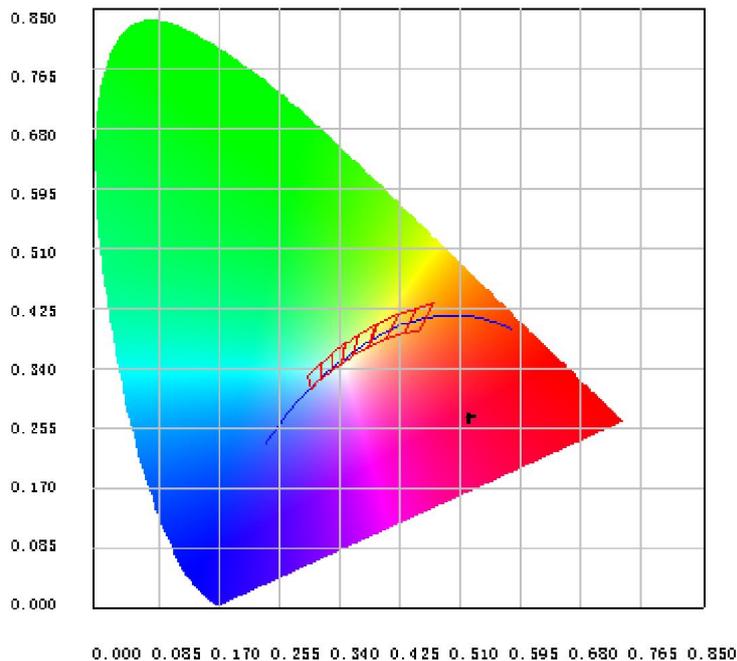
Manufacturer: ZVISION

organization: 杭州中为光电



Spectrum Parameters

x:	0.5228	y:	0.2745		
u:	0.3984	v:	0.3138		
WD:	768.0 nm	WP:	732.6 nm		
HW:	20.1 nm	Purity:	48.492		
CCT:	1225 K	Ra:	-30.0		
SDCM :	223.79	DUV :	-0.0445		
Ratio :	R%: 99.7	G%: 0.1	B%: 0.2		
Kred	57.90%	Kgreen	37.35%	Kblue	4.75%
R1:	-50.7	R2:	23.3	R3:	-87.9
R4:	-34.5	R5:	-42.2	R6:	63.4
R7:	-10.4	R8:	-100.6	R9:	-244.8
R10:	-88.4	R11:	36.9	R12:	-133.1
R13:	-43.7	R14:	-96.6	R15:	-78.9



Electrical parameters

Flux:	1.423 lm	E:	3.093 lm/w	P:	205.17 mw	
I:	250.0 mA	V:	1.84 V	P:	0.460 w	PF:

Memo:

Product Mode:	1	Item No:	10
Tester:	Y	Date:	2025-05-13 14:44
Temperature:	24 ()	Humidity:	60 (%)
Manufacturer:	ZVISION	organization:	杭州中为光电