Lightsource Test Report

Product Infomation

Product Category: 2835 224LED-HE
Product Type: IP20(0.5M)
Product Spec: 2400K
Product Number: HE
Manufacturer: ACOLYTE
Submitted Unit: ACOLYTE
Buyer: ACOLYTE
Remark: LOT NO:180615 W1804034-1#-23D

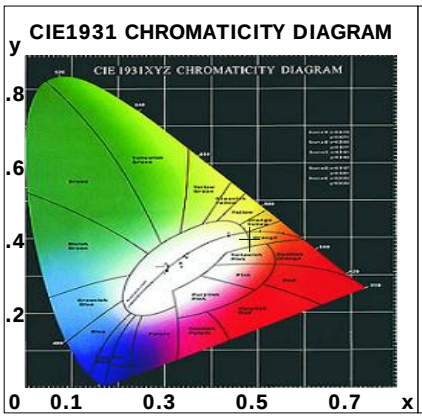
CIE Colorimetric Parameters

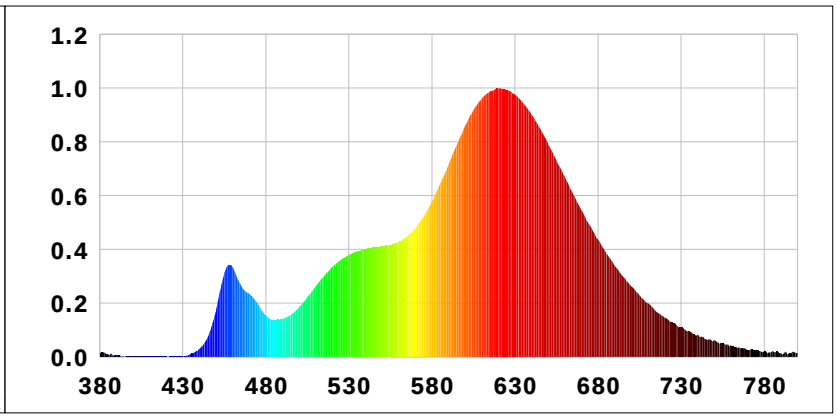
Chromaticity coordinates: x=0.4837 y=0.4023 u(u')=0.2820 v=0.3519 v'=0.5278
CCT: Tc=2339K (duv=-0.00414)
Color Ratio: R=0.312 G=0.666 B=0.022
Peak Wavelength: 620.9nm
Half Bandwidth: 101.3nm
Dominant Wavelength: 587.7nm
Color Purity: 0.659
CRI: Ra: Ra= 92.1

R1 =98	R2 =97	R3 =95	R4 =97	R5 =99	R6 =89	R7 =85	R8 =77
R9 =56	R10=96	R11=96	R12=82	R13=99	R14=99	R15=90	

Color Quality Scale: Qa= 87.3, Qf= 88.7, Qp= 99.3, Qg= 97.3

Q1 =83	Q2 =90	Q3 =90	Q4 =88	Q5 =90	Q6 =94	Q7 =86	Q8 =85
Q9 =91	Q10=92	Q11=91	Q12=89	Q13=87	Q14=83	Q15=83	





Photometric Parameters

Luminous Flux: 928.07 lm
Efficiency: 97.95 lm/W
Radiant Power: 3.350 W
EEI: 0.13
Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 24.000V
Current: 0.3948A
Power: 9.48W
Power Factor: 1.0000
Frequency: 0.00Hz

Test Infomation

Scan Range: 380~800:1nm
Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 Min
Photometric Condition: Sphere diameter: 1.50m, 4∏
Max of Signal: 48791 (2798)
CCD Integration Time: 618.67 ms
Condition: Ta:25.6°C, Ti:26.2°C, R.H.:60%
Test Device: Hiventime GMS-2S (Plus)
Test Lab:
Test Time:
Operator:
Inspector:

Lightsource Test Report

Product Infomation

Product Category: 2835 224LED-HE	Product Type: IP20(0.5M)
Product Spec: 2700K	Product Number: HE
Manufacturer: ACOLYTE	Submitted Unit: ACOLYTE
Buyer: ACOLYTE	Remark: LOT NO:180615 W1804034-1#-23D

CIE Colorimetric Parameters

Chromaticity coordinates: x=0.4468 y=0.3933 u(u')=0.2618 v=0.3457 v'=0.5186

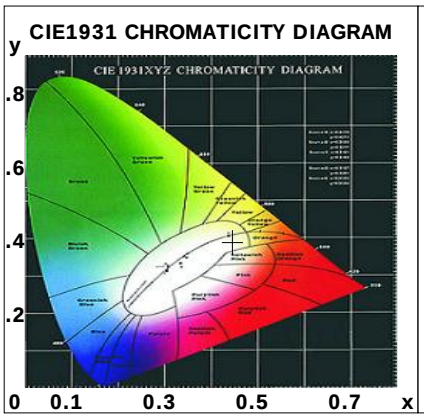
CCT: Tc=2752K (duv=-0.00541)	Color Ratio: R=0.273 G=0.699 B=0.029
Peak Wavelength: 615.0nm	Half Bandwidth: 129.0nm
Dominant Wavelength: 586.0nm	Color Purity: 0.522

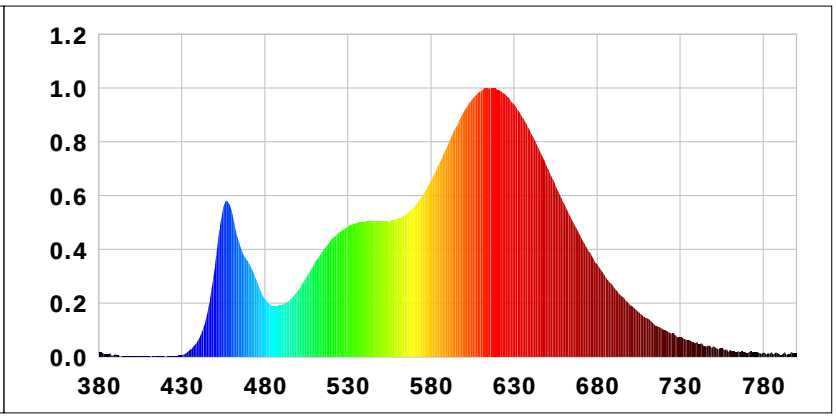
CRI: Ra: Ra= 92.2

R1 =98	R2 =97	R3 =96	R4 =96	R5 =98	R6 =91	R7 =86	R8 =77
R9 =55	R10=97	R11=97	R12=80	R13=99	R14=99	R15=91	

Color Quality Scale: Qa= 89.8, Qf= 89.6, Qp= 96.6, Qg= 99.2

Q1 =86	Q2 =94	Q3 =89	Q4 =88	Q5 =91	Q6 =95	Q7 =90	Q8 =90
Q9 =96	Q10=94	Q11=93	Q12=92	Q13=90	Q14=85	Q15=86	





Photometric Parameters

Luminous Flux: 1028.08 lm	Efficiency: 109.76 lm/W	Radiant Power: 3.447 W
EEI: 0.12	Energy Efficiency Class: A+ (EU 874-2012)	

Electric Parameters

Voltage: 24.000V	Current: 0.3903A	Power: 9.37W
Power Factor: 1.0000	Frequency: 0.00Hz	

Test Infomation

Scan Range: 380~800:1nm	Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 Min	Photometric Condition: Sphere diameter: 1.50m, 4∏
Max of Signal: 45909 (2754)	CCD Integration Time: 598.05 ms
Condition: Ta:25.4°C, Tf:26.1°C, R.H.:60%	Test Device: Hiventime GMS-25 (Plus)
Test Lab:	Test Time:
Operator:	Inspector:

Lightsource Test Report

Product Infomation

Product Category: 2835 224LED-HE
Product Type: IP20(0.5M)
Product Spec: 3000K
Product Number: HE
Manufacturer: ACOLYTE
Submitted Unit: ACOLYTE
Buyer: ACOLYTE
Remark: LOT NO:180615 W1804034-1#-23D

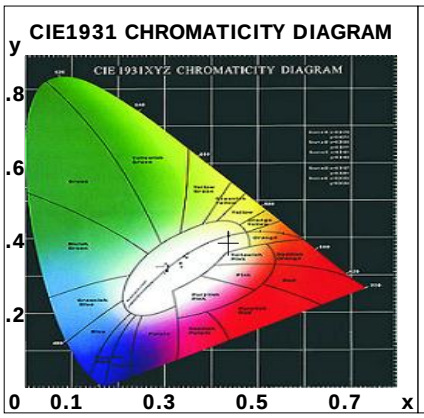
CIE Colorimetric Parameters

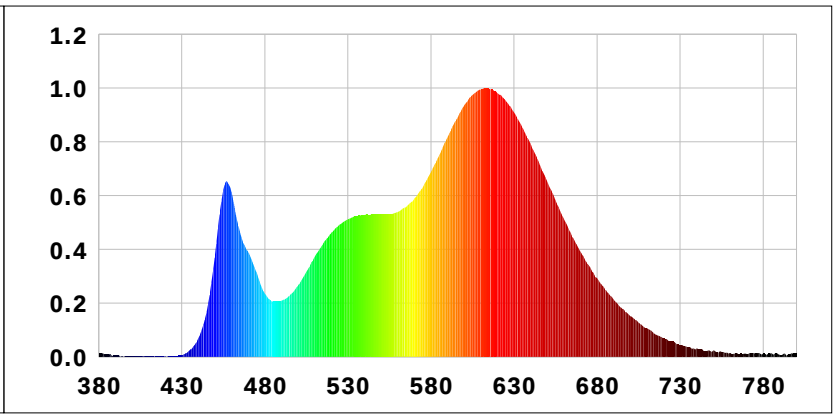
Chromaticity coordinates: x=0.4375 y=0.3919 u(u')=0.2563 v=0.3444 v'=0.5166
CCT: Tc=2890K (duv=-0.00496)
Color Ratio: R=0.260 G=0.710 B=0.030
Peak Wavelength: 612.4nm
Half Bandwidth: 134.4nm
Dominant Wavelength: 585.2nm
Color Purity: 0.489
CRI: Ra: Ra= 91.3

R1 =96	R2 =98	R3 =95	R4 =94	R5 =96	R6 =92	R7 =85	R8 =74
R9 =48	R10=98	R11=96	R12=78	R13=98	R14=99	R15=89	

Color Quality Scale: Qa= 89.1, Qf= 89.5, Qp= 94.1, Qg= 97.7

Q1 =84	Q2 =94	Q3 =89	Q4 =87	Q5 =89	Q6 =94	Q7 =91	Q8 =90
Q9 =96	Q10=94	Q11=93	Q12=91	Q13=90	Q14=84	Q15=84	





Photometric Parameters

Luminous Flux: 1112.07 lm
Efficiency: 113.83 lm/W
Radiant Power: 3.590 W
EEI: 0.12
Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 24.000V
Current: 0.4071A
Power: 9.77W
Power Factor: 1.0000
Frequency: 0.00Hz

Test Infomation

Scan Range: 380~800:1nm
Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 Min
Photometric Condition: Sphere diameter: 1.50m, 4∏
Max of Signal: 44594 (2781)
CCD Integration Time: 558.13 ms
Condition: Ta:25.6°C, Tr:26.0°C, R.H.:60%
Test Device: Hiventime GMS-2S (Plus)
Test Lab:
Test Time:
Operator:
Inspector:

Lightsource Test Report

Product Infomation

Product Category: 2835 224LED-HE
Product Type: IP20(0.5M)
Product Spec: 3500K
Product Number: HE
Manufacturer: ACOLYTE
Submitted Unit: ACOLYTE
Buyer: ACOLYTE
Remark: LOT NO:180615 W1804034-1#-23D

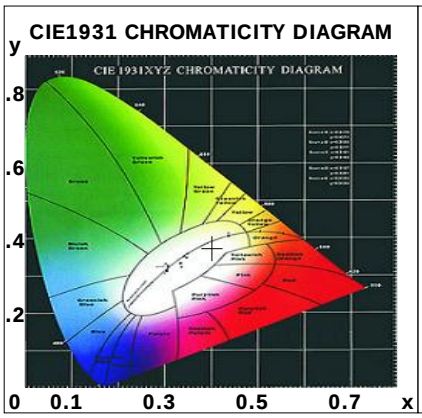
CIE Colorimetric Parameters

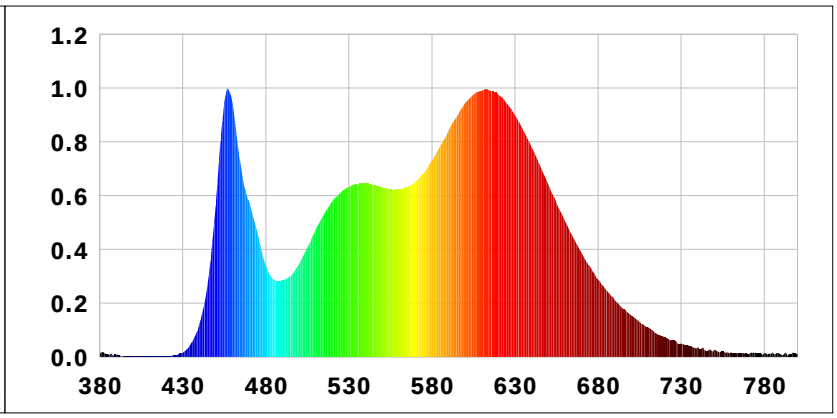
Chromaticity coordinates: x=0.4024 y=0.3766 u(u')=0.2397 v=0.3365 v'=0.5048
CCT: Tc=3446K (duv=-0.00569)
Color Ratio: R=0.232 G=0.729 B=0.039
Peak Wavelength: 457.1nm
Half Bandwidth: 24.5nm
Dominant Wavelength: 583.9nm
Color Purity: 0.338
CRI: Ra: Ra= 93.1

R1 =97	R2 =97	R3 =97	R4 =95	R5 =96	R6 =92	R7 =88	R8 =82
R9 =62	R10=98	R11=97	R12=73	R13=98	R14=99	R15=95	

Color Quality Scale: Qa= 91.3, Qf= 90.6, Qp= 93.9, Qg= 99.2

Q1 =87	Q2 =96	Q3 =88	Q4 =86	Q5 =89	Q6 =94	Q7 =95	Q8 =94
Q9 =99	Q10=96	Q11=95	Q12=95	Q13=94	Q14=88	Q15=88	





Photometric Parameters

Luminous Flux: 1090.16 lm
Efficiency: 118.91 lm/W
Radiant Power: 3.549 W
EEI: 0.11
Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 24.000V
Current: 0.3820A
Power: 9.17W
Power Factor: 1.0000
Frequency: 0.00Hz

Test Infomation

Scan Range: 380~800:1nm
Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 Min
Photometric Condition: Sphere diameter: 1.50m, 4∏
Max of Signal: 45854 (2732)
CCD Integration Time: 618.67 ms
Condition: Ta:25.6°C, Tr:26.1°C, R.H.:60%
Test Device: Hiventime CMS-2S (Plus)
Test Lab:
Test Time:
Operator:
Inspector:

Lightsource Test Report

Product Infomation

Product Category: 2835 224LED-HE
Product Type: IP20(0.5M)
Product Spec: 4000K
Product Number: HE
Manufacturer: ACOLYTE
Submitted Unit: ACOLYTE
Buyer: ACOLYTE
Remark: LOT NO:180615 W1804034-1#-23D

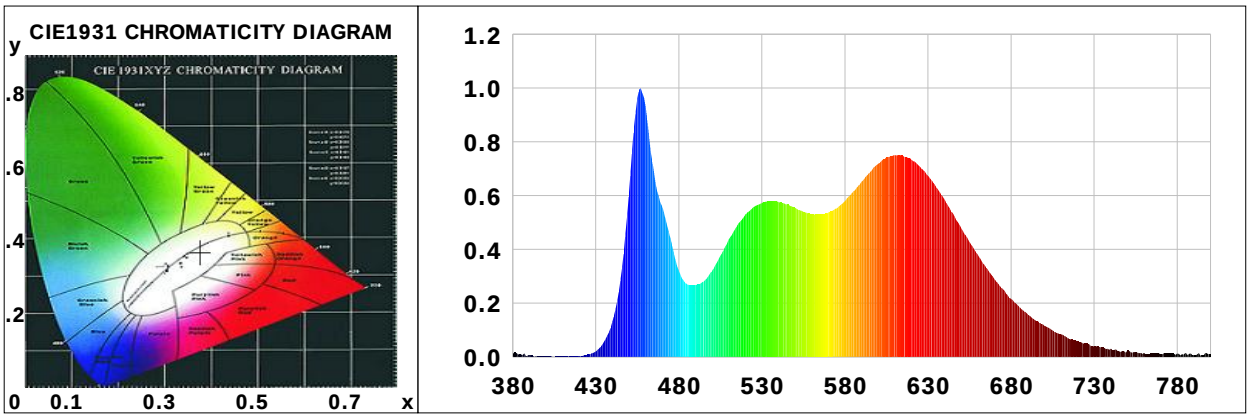
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3768 y=0.3660 u(u')=0.2270 v=0.3308 v'=0.4962
CCT: Tc=4021K (duv=-0.00404)
Color Ratio: R=0.210 G=0.744 B=0.045
Peak Wavelength: 456.8nm
Half Bandwidth: 24.0nm
Dominant Wavelength: 581.6nm
Color Purity: 0.229
CRI: Ra: Ra= 94.1

R1 =97	R2 =98	R3 =98	R4 =95	R5 =95	R6 =93	R7 =90	R8 =86
R9 =70	R10=99	R11=97	R12=68	R13=98	R14=98	R15=96	

Color Quality Scale: Qa= 91.5, Qf= 90.9, Qp= 92.7, Qg= 98.8

Q1 =87	Q2 =97	Q3 =87	Q4 =84	Q5 =88	Q6 =92	Q7 =96	Q8 =96
Q9 =98	Q10=96	Q11=96	Q12=97	Q13=96	Q14=91	Q15=90	



Photometric Parameters

Luminous Flux: 1072.30 lm
Efficiency: 116.39 lm/W
Radiant Power: 3.510 W
EEI: 0.11
Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 24.000V
Current: 0.3839A
Power: 9.21W
Power Factor: 1.0000
Frequency: 0.00Hz

Test Infomation

Scan Range: 380~800:1nm
Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 Min
Photometric Condition: Sphere diameter: 1.50m, 4∏
Max of Signal: 54088 (2796)
CCD Integration Time: 618.67 ms
Condition: Ta:25.6°C, Tf:26.1°C, R.H.:60%
Test Device: Hiventime GMS-2S (Plus)
Test Lab:
Test Time:
Operator:
Inspector:

Lightsource Test Report

Product Infomation

Product Category: 2835 224LED-HE
Product Type: IP20(0.5M)
Product Spec: 6000K
Product Number: HE
Manufacturer: ACOLYTE
Submitted Unit: ACOLYTE
Buyer: ACOLYTE
Remark: LOT NO:180615 W1804034-1#-23D

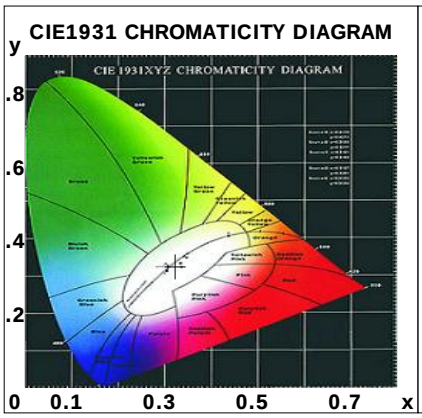
CIE Colorimetric Parameters

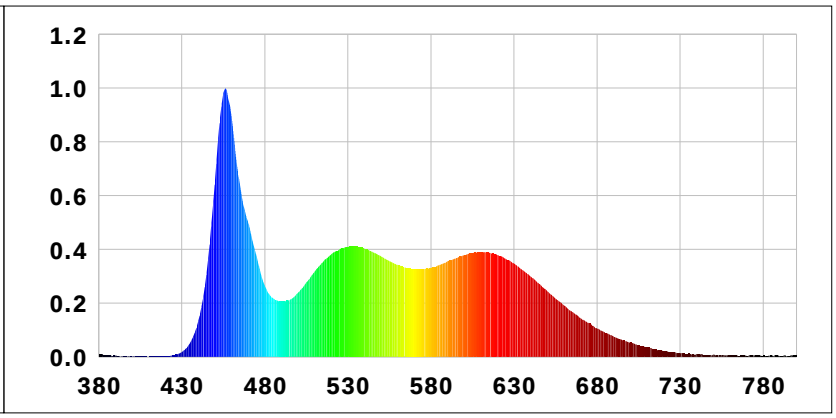
Chromaticity coordinates: x=0.3234 y=0.3274 u(u')=0.2059 v=0.3127 v'=0.4691
CCT: Tc=5948K (duv=-0.00294)
Color Ratio: R=0.173 G=0.764 B=0.062
Peak Wavelength: 456.3nm
Half Bandwidth: 22.0nm
Dominant Wavelength: 483.6nm
Color Purity: 0.038
CRI: Ra: Ra= 91.4

R1 =90	R2 =97	R3 =87	R4 =91	R5 =90	R6 =90	R7 =95	R8 =92
R9 =89	R10=92	R11=92	R12=55	R13=93	R14=91	R15=89	

Color Quality Scale: Qa= 89.1, Qf= 88.3, Qp= 90.3, Qg= 99.6

Q1 =86	Q2 =96	Q3 =85	Q4 =77	Q5 =81	Q6 =86	Q7 =98	Q8 =99
Q9 =94	Q10=95	Q11=94	Q12=95	Q13=95	Q14=94	Q15=92	





Photometric Parameters

Luminous Flux: 1167.91 lm
Efficiency: 116.98 lm/W
Radiant Power: 3.998 W
EEI: 0.11
Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 24.000V
Current: 0.4160A
Power: 9.98W
Power Factor: 1.0000
Frequency: 0.00Hz

Test Infomation

Scan Range: 380~800:1nm
Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 Min
Photometric Condition: Sphere diameter: 1.50m, 4∏
Max of Signal: 46444 (2547)
CCD Integration Time: 307.65 ms
Condition: Ta:25.6°C, Tf:26.1°C, R.H.:60%
Test Device: Hiventime GMS-25 (Plus)
Test Lab:
Test Time:
Operator:
Inspector: