

Lightsource Test Report

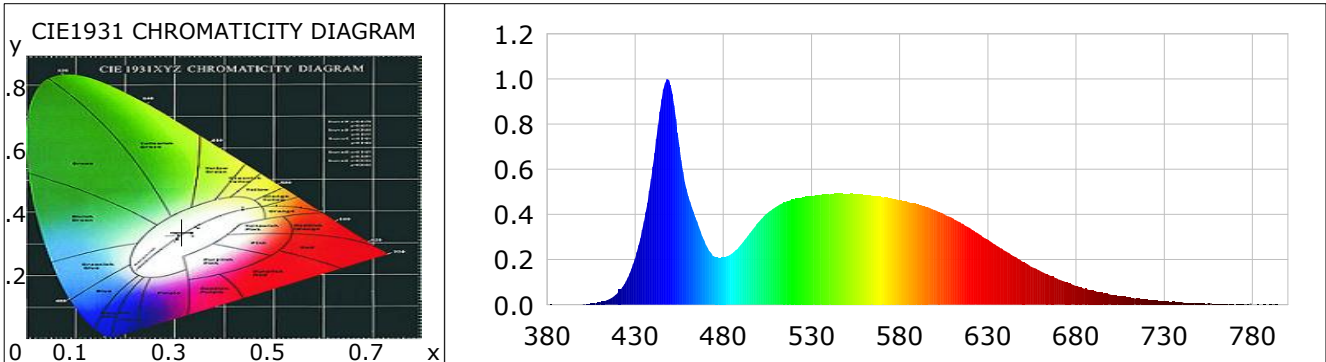
Product Infomation

Product Number: 10W-1MIN

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3144$ $y=0.3372$ $u(u')=0.1960$ $v=0.3153$ $v'=0.4729$
 CCT: $T_c=6360K$ ($duv=0.00648$) Color Ratio: $R=0.132$ $G=0.817$ $B=0.051$
 Peak Wavelength: 448.3nm Half Bandwidth: 21.5nm
 Dominant Wavelength: 494.4nm Color Purity: 0.061
 CRI: $R_a=81.5$ TM30: $R_f=83$, $R_g=96$
 GAI: $GAI_BB_8=90.0$, $GAI_BB_15=94.4$, $GAI_EES=87.2$

R1 =79	R2 =84	R3 =89	R4 =83	R5 =81	R6 =80	R7 =87	R8 =69
R9 =2	R10=64	R11=82	R12=60	R13=80	R14=94	R15=74	
Color Quality Scale: $Q_a=81.9$, $Q_f=81.7$, $Q_p=82.7$, $Q_g=92.2$							
Q1 =85	Q2 =97	Q3 =78	Q4 =75	Q5 =82	Q6 =84	Q7 =86	Q8 =91
Q9 =96	Q10=85	Q11=82	Q12=82	Q13=82	Q14=70	Q15=76	



Photometric Parameters

Luminous Flux: 1054.1 lm Efficiency: 111.78 lm/W Radiant Power: 3.348 W
 Total mains efficacy: 111.78 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 220.08V Current: 0.0463A Power: 9.43W
 Power Factor: 0.9259 Frequency: 50.00Hz DF: 0.9991

Test Infomation

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 1 Min ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4π
 Max of Signal: 47761 (2810) CCD Integration Time: 361.48 ms

Lightsource Test Report

Product Infomation

Product Number: 10W-30MIN

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3137$ $y=0.3360$ $u(u')=0.1959$ $v=0.3148$ $v'=0.4721$

CCT: $T_c=6406K$ ($duv=0.00624$)

Color Ratio: $R=0.132$ $G=0.816$ $B=0.052$

Peak Wavelength: 448.8nm

Half Bandwidth: 22.4nm

Dominant Wavelength: 493.4nm

Color Purity: 0.065

CRI: $R_a=81.8$

TM30: $R_f=83$, $R_g=96$

GAI: $GAI_BB_8=90.0$, $GAI_BB_15=94.5$, $GAI_EES=87.4$

R1 =79

R2 =85

R3 =89

R4 =83

R5 =81

R6 =80

R7 =88

R8 =70

R9 =3

R10=64

R11=82

R12=60

R13=81

R14=94

R15=74

Color Quality Scale: $Q_a=82.0$, $Q_f=81.8$, $Q_p=82.7$, $Q_g=92.1$

Q1 =85

Q2 =97

Q3 =78

Q4 =75

Q5 =82

Q6 =84

Q7 =86

Q8 =91

Q9 =96

Q10=85

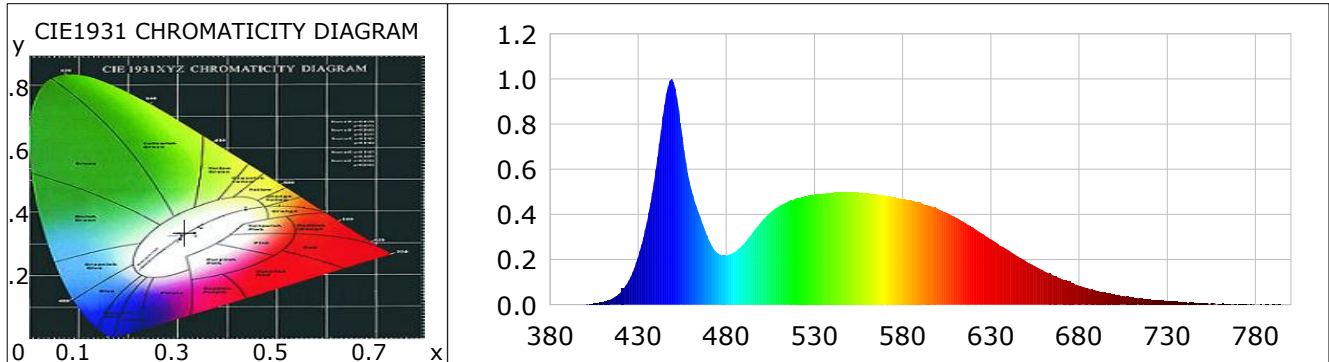
Q11=82

Q12=82

Q13=82

Q14=70

Q15=76



Photometric Parameters

Luminous Flux: 1039.0 lm

Efficiency: 110.37 lm/W

Radiant Power: 3.312 W

Total mains efficacy: 110.37 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 220.08V

Current: 0.0462A

Power: 9.41W

Power Factor: 0.9265

Frequency: 50.00Hz

DF: 0.9992

Test Infomation

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 30 ms ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.50m, 4 π

Max of Signal: 47067 (2856)

CCD Integration Time: 361.48 ms

Condition: $T_x=25.5^{\circ}C$, $T_i=25.1^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2022-04-25 09:09:24

Inspector:



Lightsource Test Report

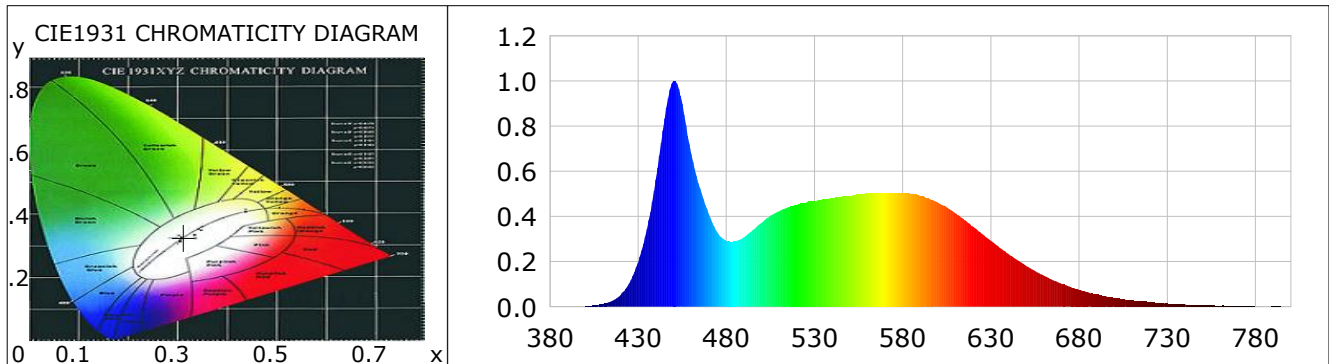
Product Infomation

Product Number: 20W-1MIN

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3119$ $y=0.3256$ $u(u')=0.1986$ $v=0.3109$ $v'=0.4664$
 CCT: $T_c=6576K$ ($duv=0.00183$) Color Ratio: $R=0.135$ $G=0.806$ $B=0.059$
 Peak Wavelength: 450.4nm Half Bandwidth: 27.4nm
 Dominant Wavelength: 496.7nm Color Purity: 0.078
 CRI: $R_a=83.7$ TM30: $R_f=83$, $R_g=94$
 GAI: $GAI_BB_8=91.1$, $GAI_BB_15=95.4$, $GAI_EES=89.2$

R1 =82	R2 =89	R3 =92	R4 =84	R5 =83	R6 =84	R7 =87	R8 =69
R9 =4	R10=73	R11=83	R12=63	R13=84	R14=96	R15=77	
Color Quality Scale: $Q_a=81.2$, $Q_f=81.2$, $Q_p=81.5$, $Q_g=91.4$							
Q1 =84	Q2 =98	Q3 =79	Q4 =73	Q5 =79	Q6 =83	Q7 =87	Q8 =90
Q9 =97	Q10=87	Q11=82	Q12=80	Q13=80	Q14=69	Q15=75	



Photometric Parameters

Luminous Flux: 2194.7 lm Efficiency: 105.50 lm/W Radiant Power: 7.100 W
 Total mains efficacy: 105.50 lm/W Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 219.98V Current: 0.1020A Power: 20.80W
 Power Factor: 0.9267 Frequency: 50.00Hz DF: 0.9989

Test Infomation

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 1 Min ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4π
 Max of Signal: 47541 (2726) CCD Integration Time: 169.69 ms

Condition: $T_x:25.6^{\circ}C$, $T_i:25.2^{\circ}C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2022-04-25 09:11:48
 Inspector:

Lightsource Test Report

Product Infomation

Product Number: 20W-30MIN

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3100$ $y=0.3225$ $u(u')=0.1984$ $v=0.3096$ $v'=0.4644$

CCT: $T_c=6716K$ ($duv=0.00124$)

Color Ratio: $R=0.135$ $G=0.803$ $B=0.062$

Peak Wavelength: 451.8nm

Half Bandwidth: 29.3nm

Dominant Wavelength: 485.5nm

Color Purity: 0.087

CRI: $R_a=84.4$

TM30: $R_f=83$, $R_g=95$

GAI: $GAI_BB_8=91.2$, $GAI_BB_15=95.4$, $GAI_EES=89.7$

R1 =83

R2 =90

R3 =93

R4 =84

R5 =84

R6 =85

R7 =87

R8 =70

R9 =8

R10=75

R11=83

R12=64

R13=85

R14=97

R15=78

Color Quality Scale: $Q_a=81.4$, $Q_f=81.4$, $Q_p=81.5$, $Q_g=91.2$

Q1 =84

Q2 =99

Q3 =80

Q4 =73

Q5 =79

Q6 =82

Q7 =86

Q8 =90

Q9 =97

Q10=87

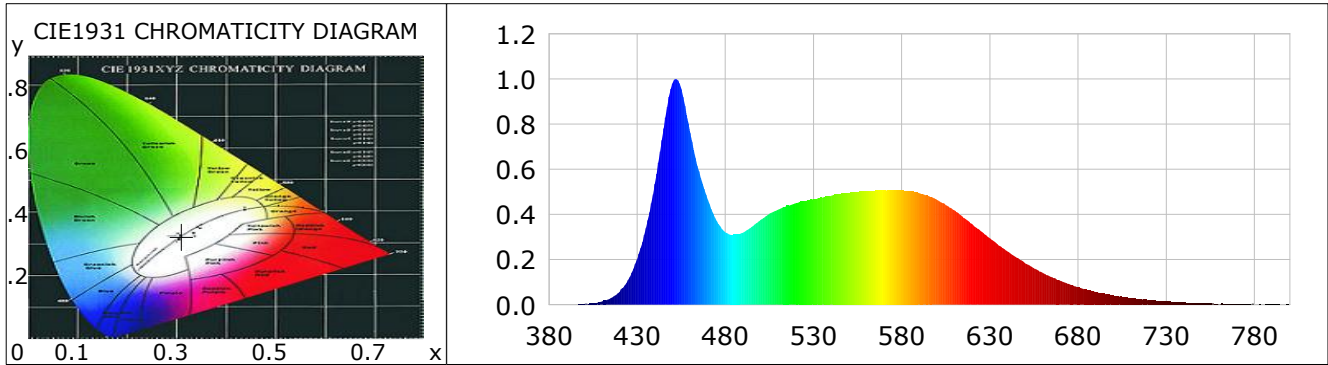
Q11=82

Q12=81

Q13=81

Q14=70

Q15=76



Photometric Parameters

Luminous Flux: 2084.2 lm

Efficiency: 100.06 lm/W

Radiant Power: 6.817 W

Total mains efficacy: 100.06 lm/W Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 219.88V

Current: 0.1019A

Power: 20.83W

Power Factor: 0.9293

Frequency: 50.00Hz

DF: 0.9987

Test Infomation

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 15 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.50m, 4 π

Max of Signal: 45079 (2939)

CCD Integration Time: 165.44 ms

Condition: $T_x:28.5^\circ C$, $T_i:26.9^\circ C$, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2022-04-25 11:12:39

Inspector:

Lightsource Test Report

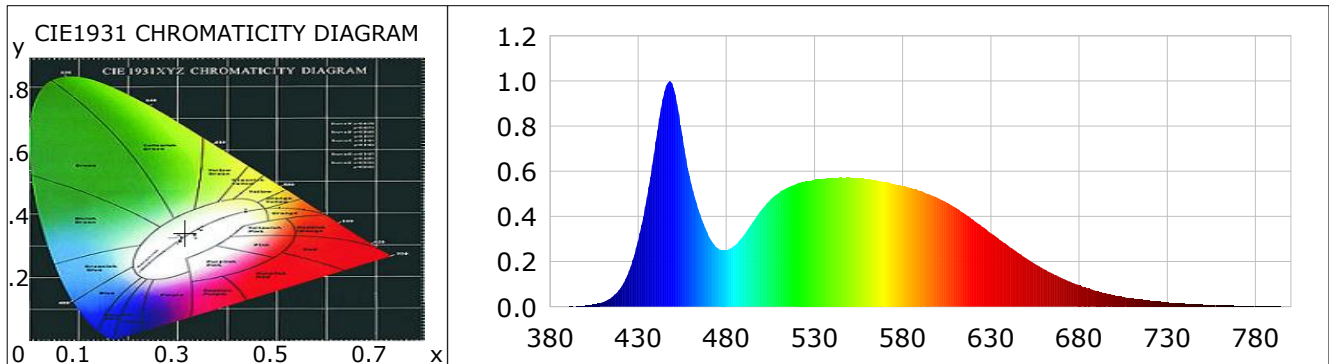
Product Infomation

Product Number: 30W-1MIN

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3151$ $y=0.3411$ $u(u')=0.1950$ $v=0.3167$ $v'=0.4750$
 CCT: $T_c=6306K$ ($duv=0.00812$) Color Ratio: $R=0.130$ $G=0.819$ $B=0.051$
 Peak Wavelength: 448.0nm Half Bandwidth: 26.2nm
 Dominant Wavelength: 497.3nm Color Purity: 0.057
 CRI: $R_a=80.9$ TM30: $R_f=83$, $R_g=95$
 GAI: $GAI_BB_8=88.6$, $GAI_BB_15=92.7$, $GAI_EES=85.6$

R1 =78	R2 =84	R3 =89	R4 =82	R5 =80	R6 =80	R7 =87	R8 =68
R9 =-3	R10=63	R11=81	R12=62	R13=79	R14=94	R15=72	
Color Quality Scale: $Q_a=82.0$, $Q_f=82.0$, $Q_p=82.2$, $Q_g=91.4$							
Q1 =84	Q2 =97	Q3 =79	Q4 =77	Q5 =82	Q6 =83	Q7 =85	Q8 =90
Q9 =96	Q10=85	Q11=83	Q12=83	Q13=82	Q14=69	Q15=75	



Photometric Parameters

Luminous Flux: 2846.1 lm Efficiency: 94.69 lm/W Radiant Power: 9.004 W
 Total mains efficacy: 94.69 lm/W Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 220.01V Current: 0.1484A Power: 30.06W
 Power Factor: 0.9206 Frequency: 50.00Hz DF: 0.9996

Test Infomation

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 1 Min ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4π
 Max of Signal: 52137 (2731) CCD Integration Time: 169.69 ms

Lightsource Test Report

Product Infomation

Product Number: 30W-30MIN

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3139$ $y=0.3391$ $u(u')=0.1949$ $v=0.3158$ $v'=0.4738$

CCT: $T_c=6376K$ ($duv=0.00770$)

Color Ratio: $R=0.130$ $G=0.817$ $B=0.053$

Peak Wavelength: 449.0nm

Half Bandwidth: 28.0nm

Dominant Wavelength: 495.5nm

Color Purity: 0.062

CRI: $R_a=81.5$

TM30: $R_f=83$, $R_g=95$

GAI: $GAI_BB_8=88.6$, $GAI_BB_15=92.9$, $GAI_EES=85.9$

$R1=78$

$R2=85$

$R3=90$

$R4=82$

$R5=80$

$R6=81$

$R7=88$

$R8=68$

$R9=-2$

$R10=64$

$R11=81$

$R12=62$

$R13=80$

$R14=95$

$R15=73$

Color Quality Scale: $Q_a=82.1$, $Q_f=82.2$, $Q_p=82.2$, $Q_g=91.2$

$Q1=84$

$Q2=98$

$Q3=80$

$Q4=76$

$Q5=82$

$Q6=83$

$Q7=85$

$Q8=90$

$Q9=96$

$Q10=86$

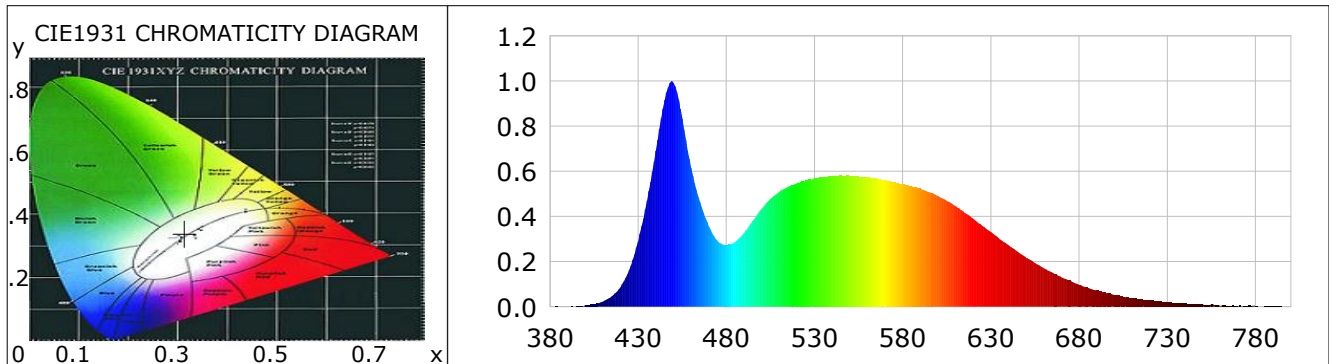
$Q11=83$

$Q12=83$

$Q13=83$

$Q14=69$

$Q15=75$



Photometric Parameters

Luminous Flux: 2714.1 lm

Efficiency: 89.60 lm/W

Radiant Power: 8.639 W

Total mains efficacy: 89.60 lm/W

Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 220.10V

Current: 0.1490A

Power: 30.29W

Power Factor: 0.9238

Frequency: 50.00Hz

DF: 0.9994

Test Infomation

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 15 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.50m, 4 π

Max of Signal: 45326 (3009)

CCD Integration Time: 153.55 ms

Condition: $T_x:29.4^\circ C$, $T_i:26.9^\circ C$, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2022-04-25 15:03:16

Inspector:

Lightsource Test Report

Product Infomation

Product Number: 50W-1MIN

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3148$ $y=0.3401$ $u(u')=0.1952$ $v=0.3163$ $v'=0.4744$

CCT: $T_c=6326K$ ($duv=0.00776$)

Color Ratio: $R=0.130$ $G=0.819$ $B=0.051$

Peak Wavelength: 447.8nm

Half Bandwidth: 25.6nm

Dominant Wavelength: 496.5nm

Color Purity: 0.059

CRI: $R_a=80.8$

TM30: $R_f=83$, $R_g=96$

GAI: $GAI_BB_8=88.9$, $GAI_BB_15=93.0$, $GAI_EES=86.0$

R1 =78

R2 =84

R3 =89

R4 =82

R5 =80

R6 =80

R7 =87

R8 =68

R9 =-3

R10=62

R11=81

R12=61

R13=79

R14=94

R15=72

Color Quality Scale: $Q_a=81.9$, $Q_f=81.9$, $Q_p=82.3$, $Q_g=91.6$

Q1 =84

Q2 =97

Q3 =79

Q4 =77

Q5 =82

Q6 =83

Q7 =85

Q8 =90

Q9 =96

Q10=85

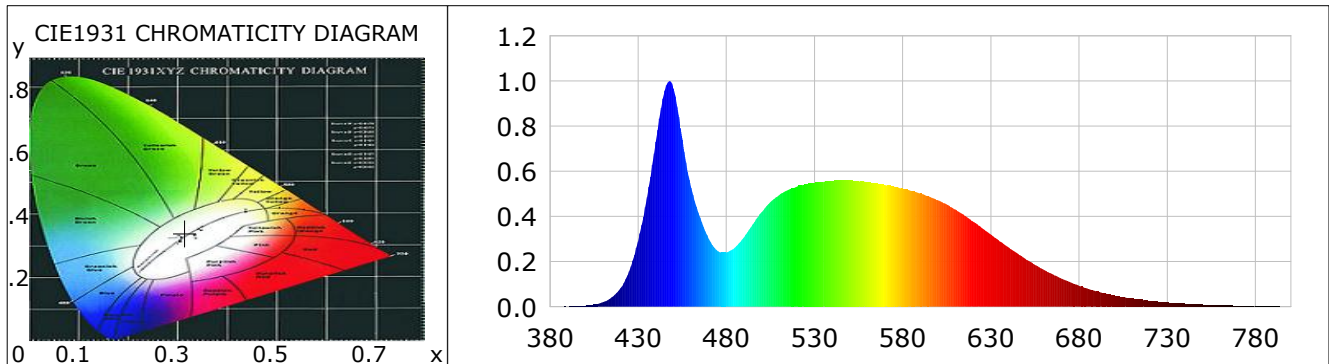
Q11=83

Q12=82

Q13=82

Q14=69

Q15=75



Photometric Parameters

Luminous Flux: 4797.5 lm

Efficiency: 99.40 lm/W

Radiant Power: 15.201 W

Total mains efficacy: 99.40 lm/W

Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 219.96V

Current: 0.2379A

Power: 48.26W

Power Factor: 0.9221

Frequency: 50.00Hz

DF: 0.9995

Test Infomation

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 1 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.50m, 4 π

Max of Signal: 47414 (2675)

CCD Integration Time: 89.79 ms

Condition: $T_x:25.7^\circ C$, $T_i:25.3^\circ C$, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2022-04-25 09:15:45

Inspector:

Lightsource Test Report

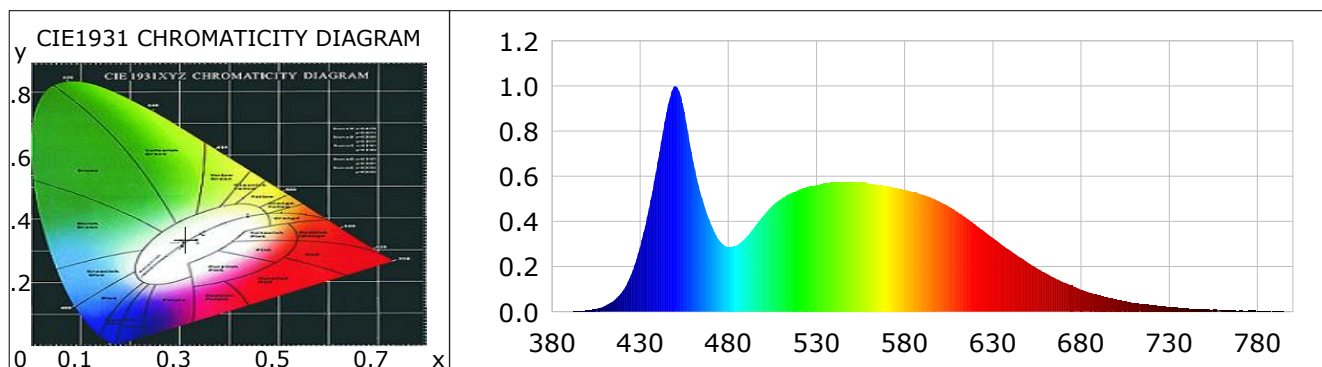
Product Infomation

Product Number: 50W-30MIN

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3120$ $y=0.3358$ $u(u')=0.1949$ $v=0.3145$ $v'=0.4718$
 CCT: $T_c=6492K$ ($duv=0.00696$) Color Ratio: $R=0.130$ $G=0.815$ $B=0.054$
 Peak Wavelength: 449.8nm Half Bandwidth: 29.1nm
 Dominant Wavelength: 493.2nm Color Purity: 0.070
 CRI: $R_a=82.0$ TM30: $R_f=83$, $R_g=95$
 GAI: $GAI_BB_8=88.9$, $GAI_BB_15=93.3$, $GAI_EES=86.7$

R1 =79	R2 =85	R3 =90	R4 =82	R5 =81	R6 =81	R7 =88	R8 =69
R9 =1	R10=66	R11=81	R12=62	R13=81	R14=95	R15=74	
Color Quality Scale: $Q_a=82.1$, $Q_f=82.2$, $Q_p=82.2$, $Q_g=91.2$							
Q1 =84	Q2 =98	Q3 =80	Q4 =76	Q5 =81	Q6 =83	Q7 =86	Q8 =90
Q9 =96	Q10=86	Q11=83	Q12=83	Q13=83	Q14=70	Q15=75	



Photometric Parameters

Luminous Flux: 4298.5 lm Efficiency: 90.84 lm/W Radiant Power: 13.800 W
 Total mains efficacy: 90.84 lm/W Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 220.08V Current: 0.2319A Power: 47.32W
 Power Factor: 0.9272 Frequency: 50.00Hz DF: 0.9995

Test Infomation

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 15 Min ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4π
 Max of Signal: 44611 (2947) CCD Integration Time: 92.49 ms

Condition: $T_x:29.4^{\circ}C$, $T_i:27.4^{\circ}C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2022-04-25 15:23:39
 Inspector:

Lightsource Test Report

Product Infomation

Product Number: 100W-1MIN

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3142$ $y=0.3392$ $u(u')=0.1951$ $v=0.3159$ $v'=0.4739$

CCT: $T_c=6358K$ ($duv=0.00761$)

Color Ratio: $R=0.130$ $G=0.819$ $B=0.051$

Peak Wavelength: 447.8nm

Half Bandwidth: 26.2nm

Dominant Wavelength: 495.7nm

Color Purity: 0.061

CRI: $R_a=80.9$

TM30: $R_f=83$, $R_g=96$

GAI: $GAI_BB_8=89.1$, $GAI_BB_15=93.1$, $GAI_EES=86.3$

R1 =78

R2 =84

R3 =89

R4 =82

R5 =80

R6 =80

R7 =87

R8 =68

R9 =-2

R10=62

R11=82

R12=62

R13=79

R14=94

R15=72

Color Quality Scale: $Q_a=81.9$, $Q_f=81.9$, $Q_p=82.4$, $Q_g=91.7$

Q1 =84

Q2 =97

Q3 =79

Q4 =77

Q5 =82

Q6 =84

Q7 =85

Q8 =90

Q9 =96

Q10=85

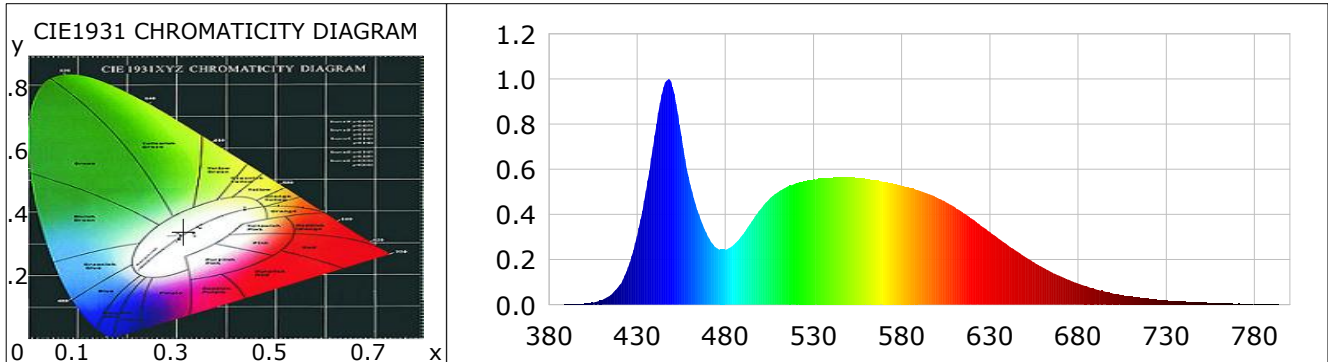
Q11=83

Q12=82

Q13=82

Q14=69

Q15=75



Photometric Parameters

Luminous Flux: 8946.4 lm

Efficiency: 95.99 lm/W

Radiant Power: 28.417 W

Total mains efficacy: 95.99 lm/W

Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 219.84V

Current: 0.4606A

Power: 93.21W

Power Factor: 0.9205

Frequency: 50.00Hz

DF: 0.9993

Test Infomation

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 1 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.50m, 4 π

Max of Signal: 48961 (2655)

CCD Integration Time: 50.12 ms

Condition: $T_x:25.9^{\circ}C$, $T_i:25.6^{\circ}C$, R.H.:60%

Test Lab:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2022-04-25 09:23:03

Operator:

Inspector:

Lightsource Test Report

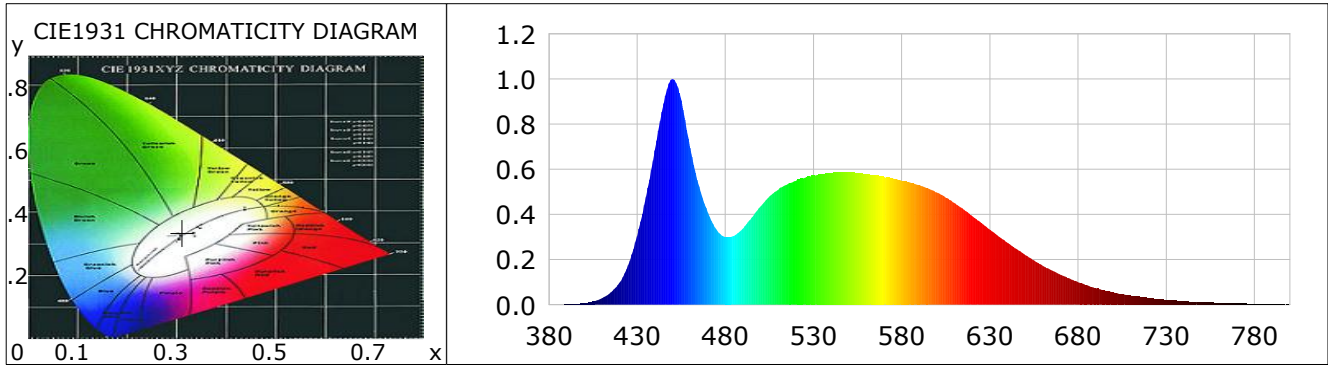
Product Infomation

Product Number: 100W-30MIN

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3114$ $y=0.3348$ $u(u')=0.1948$ $v=0.3141$ $v'=0.4712$
 CCT: $T_c=6534K$ ($duv=0.00681$) Color Ratio: $R=0.130$ $G=0.815$ $B=0.055$
 Peak Wavelength: 450.1nm Half Bandwidth: 30.5nm
 Dominant Wavelength: 492.6nm Color Purity: 0.073
 CRI: $R_a=82.2$ TM30: $R_f=84$, $R_g=94$
 GAI: $GAI_BB_8=89.0$, $GAI_BB_15=93.3$, $GAI_EES=86.9$

R1 =79	R2 =86	R3 =90	R4 =82	R5 =81	R6 =82	R7 =88	R8 =69
R9 =1	R10=66	R11=81	R12=62	R13=81	R14=95	R15=74	
Color Quality Scale: $Q_a=82.2$, $Q_f=82.3$, $Q_p=82.3$, $Q_g=91.2$							
Q1 =85	Q2 =98	Q3 =80	Q4 =76	Q5 =81	Q6 =83	Q7 =86	Q8 =90
Q9 =97	Q10=86	Q11=83	Q12=83	Q13=83	Q14=70	Q15=76	



Photometric Parameters

Luminous Flux: 8014.1 lm Efficiency: 85.08 lm/W Radiant Power: 25.815 W
 Total mains efficacy: 85.08 lm/W Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 219.95V Current: 0.4622A Power: 94.19W
 Power Factor: 0.9266 Frequency: 50.00Hz DF: 0.9994

Test Infomation

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 15 Min ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4π
 Max of Signal: 52370 (2918) CCD Integration Time: 59.04 ms

Lightsource Test Report

Product Infomation

Product Number: 150W-1MIN

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3148$ $y=0.3409$ $u(u')=0.1949$ $v=0.3166$ $v'=0.4748$

CCT: $T_c=6322K$ ($duv=0.00815$)

Color Ratio: $R=0.130$ $G=0.819$ $B=0.051$

Peak Wavelength: 448.0nm

Half Bandwidth: 25.9nm

Dominant Wavelength: 507.7nm

Color Purity: 0.058

CRI: $R_a=80.7$

TM30: $R_f=83$, $R_g=95$

GAI: $GAI_BB_8=88.6$, $GAI_BB_15=92.7$, $GAI_EES=85.7$

$R1=78$

$R2=83$

$R3=89$

$R4=82$

$R5=80$

$R6=80$

$R7=87$

$R8=68$

$R9=-4$

$R10=62$

$R11=81$

$R12=61$

$R13=79$

$R14=94$

$R15=72$

Color Quality Scale: $Q_a=81.9$, $Q_f=81.9$, $Q_p=82.2$, $Q_g=91.4$

$Q1=84$

$Q2=97$

$Q3=79$

$Q4=77$

$Q5=82$

$Q6=83$

$Q7=85$

$Q8=90$

$Q9=96$

$Q10=85$

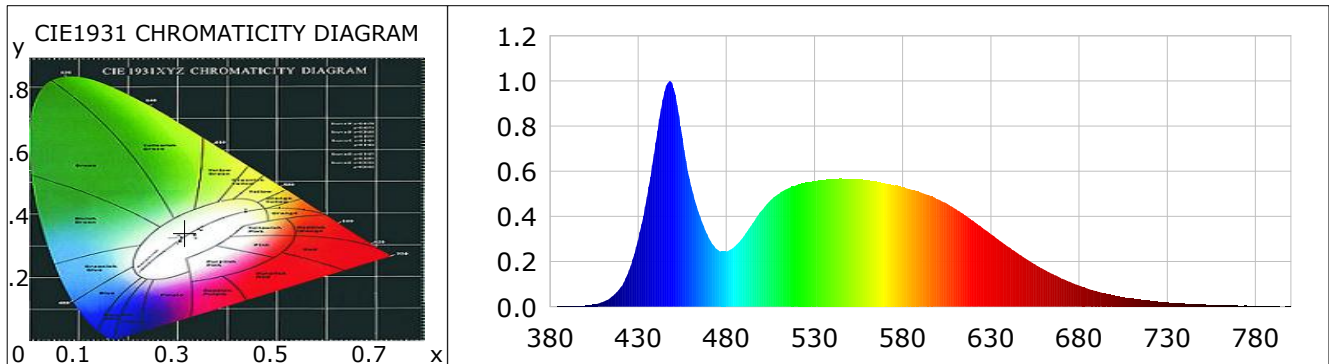
$Q11=83$

$Q12=82$

$Q13=82$

$Q14=69$

$Q15=74$



Photometric Parameters

Luminous Flux: 12487 lm

Efficiency: 96.13 lm/W

Radiant Power: 39.515 W

Total mains efficacy: 96.13 lm/W

Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 219.78V

Current: 0.6426A

Power: 129.89W

Power Factor: 0.9197

Frequency: 50.00Hz

DF: 0.9989

Test Infomation

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 1 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.50m, 4 π

Max of Signal: 49330 (2648)

CCD Integration Time: 36.21 ms

Condition: $T_x:25.9^\circ C$, $T_i:25.8^\circ C$, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2022-04-25 09:25:16

Inspector:

Lightsource Test Report

Product Infomation

Product Number: 150W-30MIN

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3118$ $y=0.3362$ $u(u')=0.1946$ $v=0.3147$ $v'=0.4720$

CCT: $T_c=6498K$ ($duv=0.00729$)

Color Ratio: $R=0.130$ $G=0.815$ $B=0.055$

Peak Wavelength: 450.4nm

Half Bandwidth: 29.9nm

Dominant Wavelength: 493.5nm

Color Purity: 0.071

CRI: $R_a=82.1$

TM30: $R_f=84$, $R_g=94$

GAI: $GAI_BB_8=88.5$, $GAI_BB_15=93.0$, $GAI_EES=86.3$

$R1=79$

$R2=86$

$R3=91$

$R4=82$

$R5=81$

$R6=82$

$R7=88$

$R8=69$

$R9=0$

$R10=66$

$R11=81$

$R12=62$

$R13=81$

$R14=95$

$R15=74$

Color Quality Scale: $Q_a=82.2$, $Q_f=82.3$, $Q_p=82.1$, $Q_g=90.9$

$Q1=84$

$Q2=98$

$Q3=80$

$Q4=76$

$Q5=81$

$Q6=83$

$Q7=85$

$Q8=90$

$Q9=97$

$Q10=87$

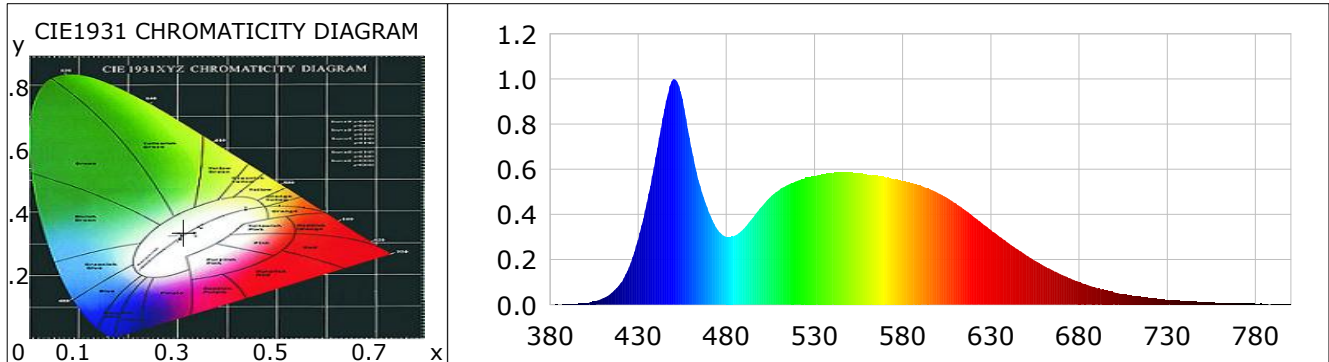
$Q11=84$

$Q12=83$

$Q13=83$

$Q14=70$

$Q15=75$



Photometric Parameters

Luminous Flux: 10361 lm

Efficiency: 81.80 lm/W

Radiant Power: 33.293 W

Total mains efficacy: 81.80 lm/W

Energy Efficiency Class: G (EU 2019/2015)

Electric Parameters

Voltage: 219.72V

Current: 0.6232A

Power: 126.67W

Power Factor: 0.9250

Frequency: 50.00Hz

DF: 0.9989

Test Infomation

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 15 ms ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.50m, 4 π

Max of Signal: 47427 (2907)

CCD Integration Time: 40.96 ms

Condition: $T_x=29.6^\circ C$, $T_i=27.0^\circ C$, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2022-04-25 17:56:35

Inspector:

Lightsource Test Report

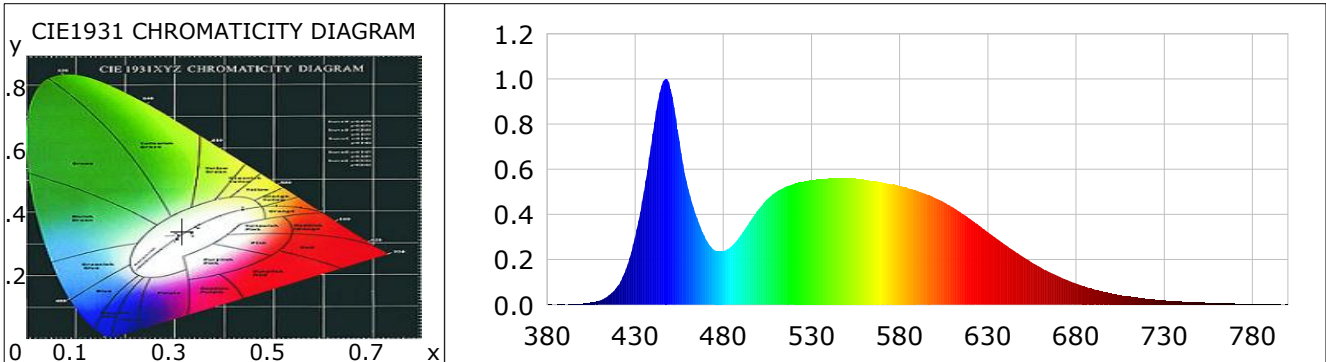
Product Infomation

Product Number: 200W-1MIN

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3151$ $y=0.3403$ $u(u')=0.1953$ $v=0.3164$ $v'=0.4746$
 CCT: $T_c=6308K$ ($duv=0.00769$) Color Ratio: $R=0.131$ $G=0.819$ $B=0.050$
 Peak Wavelength: 447.6nm Half Bandwidth: 25.6nm
 Dominant Wavelength: 496.7nm Color Purity: 0.057
 CRI: $R_a=80.8$ TM30: $R_f=83$, $R_g=96$
 GAI: $GAI_BB_8=89.1$, $GAI_BB_15=93.1$, $GAI_EES=86.2$

R1 =78	R2 =83	R3 =88	R4 =82	R5 =80	R6 =79	R7 =87	R8 =68
R9 =-2	R10=62	R11=82	R12=62	R13=79	R14=94	R15=72	
Color Quality Scale: $Q_a=81.9$, $Q_f=81.9$, $Q_p=82.4$, $Q_g=91.8$							
Q1 =84	Q2 =97	Q3 =79	Q4 =77	Q5 =82	Q6 =84	Q7 =85	Q8 =90
Q9 =96	Q10=85	Q11=83	Q12=82	Q13=82	Q14=69	Q15=75	



Photometric Parameters

Luminous Flux: 16258 lm Efficiency: 95.18 lm/W Radiant Power: 51.506 W
 Total mains efficacy: 95.18 lm/W Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 219.79V Current: 0.8446A Power: 170.82W
 Power Factor: 0.9202 Frequency: 50.00Hz DF: 0.9987

Test Infomation

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 1 Min ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4π
 Max of Signal: 52961 (2647) CCD Integration Time: 29.77 ms

Lightsource Test Report

Product Infomation

Product Number: 200W-30MIN

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3103$ $y=0.3330$ $u(u')=0.1947$ $v=0.3134$ $v'=0.4701$

CCT: $T_c=6600K$ ($duv=0.00643$)

Color Ratio: $R=0.130$ $G=0.814$ $B=0.056$

Peak Wavelength: 450.6nm

Half Bandwidth: 30.3nm

Dominant Wavelength: 491.6nm

Color Purity: 0.078

CRI: $R_a=82.5$

TM30: $R_f=84$, $R_g=94$

GAI: $GAI_BB_8=89.1$, $GAI_BB_15=93.6$, $GAI_EES=87.3$

R1 =80

R2 =86

R3 =91

R4 =83

R5 =81

R6 =82

R7 =88

R8 =70

R9 =3

R10=67

R11=82

R12=62

R13=81

R14=95

R15=75

Color Quality Scale: $Q_a=82.3$, $Q_f=82.3$, $Q_p=82.3$, $Q_g=91.2$

Q1 =85

Q2 =98

Q3 =80

Q4 =76

Q5 =81

Q6 =83

Q7 =86

Q8 =90

Q9 =97

Q10=87

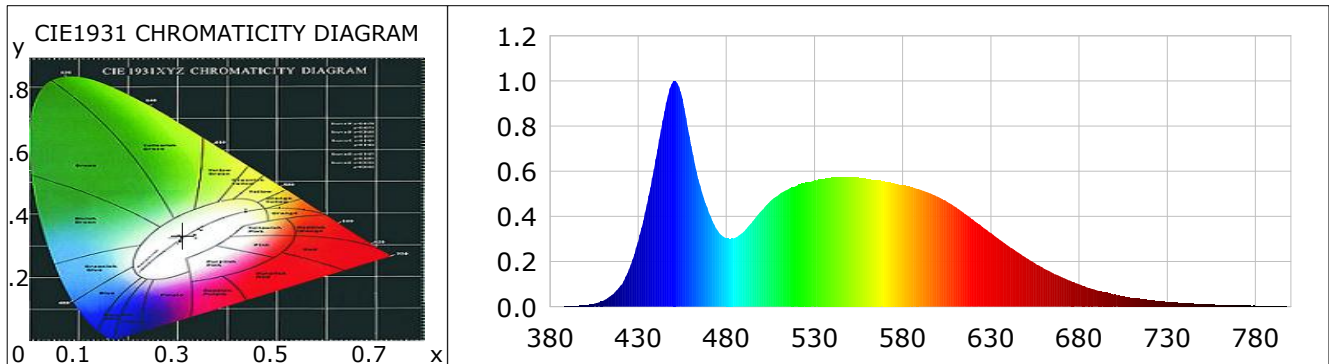
Q11=83

Q12=83

Q13=83

Q14=70

Q15=76



Photometric Parameters

Luminous Flux: 13618 lm

Efficiency: 83.23 lm/W

Radiant Power: 44.053 W

Total mains efficacy: 83.23 lm/W

Energy Efficiency Class: G (EU 2019/2015)

Electric Parameters

Voltage: 219.82V

Current: 0.8031A

Power: 163.63W

Power Factor: 0.9269

Frequency: 50.00Hz

DF: 0.9988

Test Infomation

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 15 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.50m, 4 π

Max of Signal: 45830 (2832)

CCD Integration Time: 29.42 ms

Condition: $T_x:28.9^\circ C$, $T_i:28.2^\circ C$, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2022-04-25 11:32:24

Inspector: