



# LED Down Lighters

## Test Reports



Compact Size . Optimum Performance



beyond

light

# India's Lighting Company

# Diva LED Ultra Slim Down Light

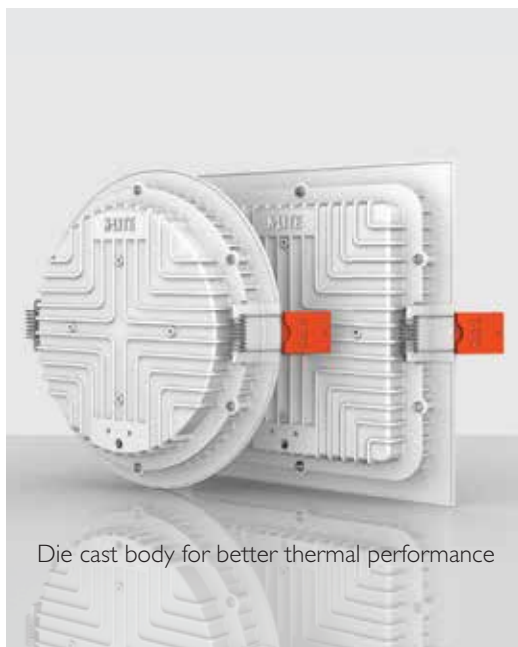


## Advantages

- Recess Mounting, DIVA LED ultra slim down lighters is the perfect fit for all indoor lighting applications.
- The housing is constructed from Die-cast aluminium for better thermal management finished with epoxy polyester powder coating white.
- High efficiency diffuser for glare free, uniform light distribution.
- MCPCB integrated with SMD 2835 LED backlit for high lumen output and better product performance and longevity.
- High PF>0.90 constant current LED driver with 2.5kV built in surge and thermal protection.
- Suitable for operation on 240V, 50Hz single phase ac supply.
- Ideal for super low depth space constraint false ceiling.
- IP20 Protected.
- Available CCT WW : Warm White (3000K), CW : Cool White (6000K), NW : Neutral White (4000K).
- Warranty : 3 years



**BIS** compliant driver



Die cast body for better thermal performance

## Benefits :

- Excellent efficiency for high energy savings of up to 80% compared to CFL downlights.
- Replacement of existing CFL downlights with even better performance.
- Very low mounting depth.
- Quick & simple installation.
- Flexible deployment options with a wide spectrum of applications.



## DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |                                                                                    |
|------|---------|--------|----------------------|-------------|---------------|------------------------------------------------------------------------------------|
| 767I | 6W LED  | WW     | Ø120 x 28            | Ø107        | 399.0 lm      |  |



### Lightsource Test Report

#### Product Infomation

Product Category: 6W-R-3000K

Product Number: 2

#### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4376$   $y=0.4020$   $u(u')=0.2519$   $v=0.3471$   $v'=0.5206$

CCT:  $T_c=2972K$  ( $duv=-0.00094$ )

Colour Ratio:  $R=0.232$   $G=0.743$   $B=0.025$

Peak Wavelength: 606nm

Half Bandwidth: 128.1nm

Dominant Wavelength: 583.3nm

Colour Purity: 0.520

CRI:  $R_i$ :  $R_a=82.9$

$R_1=81$

$R_2=91$

$R_3=97$

$R_4=81$

$R_5=82$

$R_6=89$

$R_7=82$

$R_8=60$

$R_9=10$

$R_{10}=78$

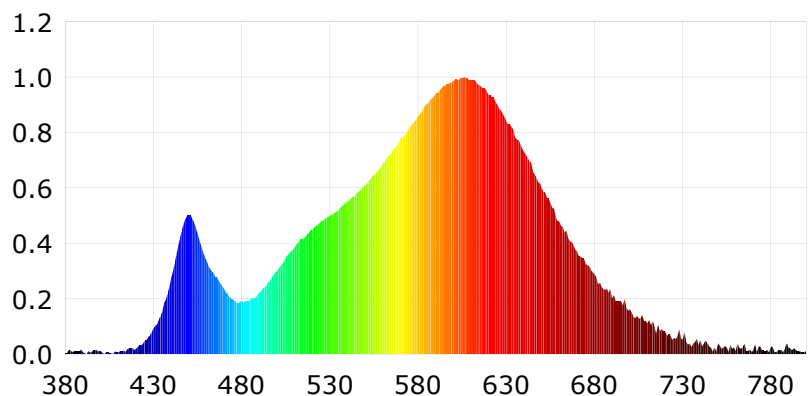
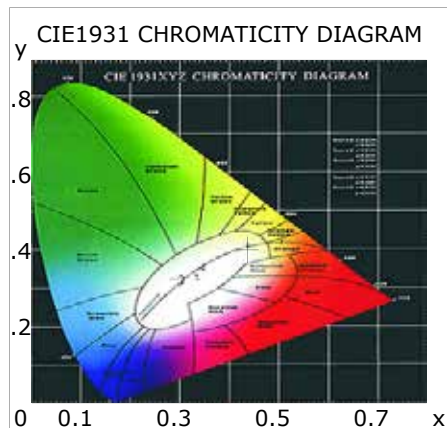
$R_{11}=80$

$R_{12}=72$

$R_{13}=83$

$R_{14}=99$

$R_{15}=75$



#### Photometric Parameters

Luminous Flux: 399.0 lm

Efficiency: 57.00 lm/W

Radiant Power: 1.221 W

#### Electric Parameters

Voltage: 219.70V

Current: 0.0320A

Power: 7.00W

Power Factor: 0.9760

Frequency: 50.00Hz

#### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 43650 (3933)

Photometric Method:

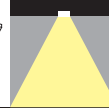
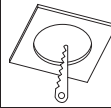
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 4937.35 ms



# DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 767I | 6W LED  | NW     | Ø120 x 28            | Ø107        | 445.2 lm      |



## Lightsource Test Report

### Product Infomation

Product Category: 6W-R-4000K

Product Number: 1

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3789$   $y=0.3799$   $u(u')=0.2228$   $v=0.3351$   $v'=0.5027$

CCT:  $T_c=4066K$  ( $duv=0.00192$ )

Colour Ratio:  $R=0.179$   $G=0.785$   $B=0.035$

Peak Wavelength: 451nm

Half Bandwidth: 28.1nm

Dominant Wavelength: 577.8nm

Colour Purity: 0.277

CRI:  $R_i$ :  $R_a=82.1$

$R_1=80$

$R_2=88$

$R_3=93$

$R_4=81$

$R_5=80$

$R_6=83$

$R_7=87$

$R_8=65$

$R_9=9$

$R_{10}=70$

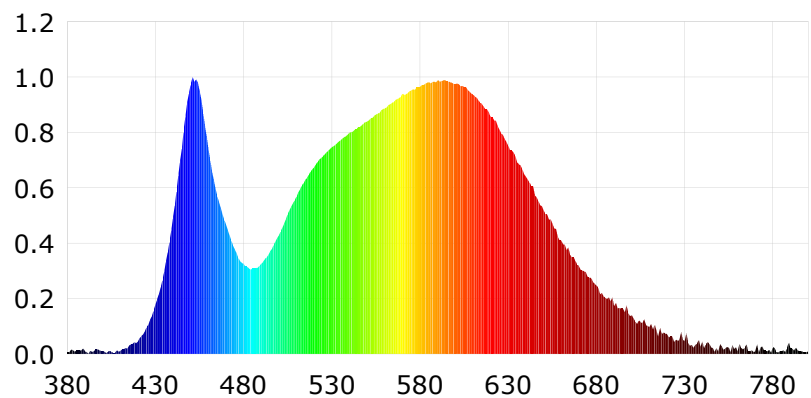
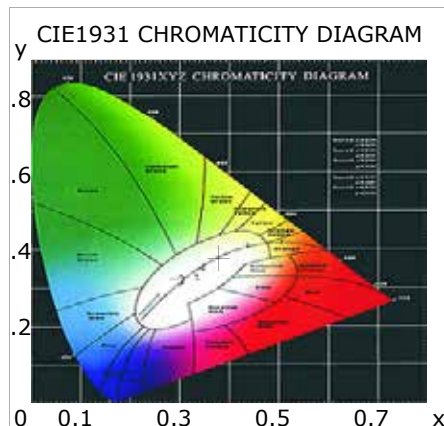
$R_{11}=78$

$R_{12}=59$

$R_{13}=82$

$R_{14}=96$

$R_{15}=75$



### Photometric Parameters

Luminous Flux: 445.2 lm

Efficiency: 60.98 lm/W

Radiant Power: 1.347 W

### Electric Parameters

Voltage: 219.70V

Current: 0.0340A

Power: 7.30W

Power Factor: 0.9790

Frequency: 50.00Hz

### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 44249 (3745)

Photometric Method:

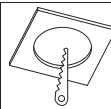
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 4937.35 ms



## DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 767I | 6W LED  | CW     | Ø120 x 28            | Ø107        | 409.8 lm      |



### Lightsource Test Report

#### Product Information

Product Category: 6W-R-6000K

Product Number: 3

#### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3152$   $y=0.3305$   $u(u')=0.1990$   $v=0.3130$   $v'=0.4695$

CCT:  $T_c=6362K$  ( $duv=0.00272$ )

Colour Ratio:  $R=0.136$   $G=0.808$   $B=0.055$

Peak Wavelength: 451nm

Half Bandwidth: 26.4nm

Dominant Wavelength: 489.7nm

Colour Purity: 0.063

CRI:  $R_i$ :  $R_a=84.9$

$R_1=85$

$R_2=85$

$R_3=83$

$R_4=90$

$R_5=84$

$R_6=78$

$R_7=92$

$R_8=81$

$R_9=28$

$R_{10}=62$

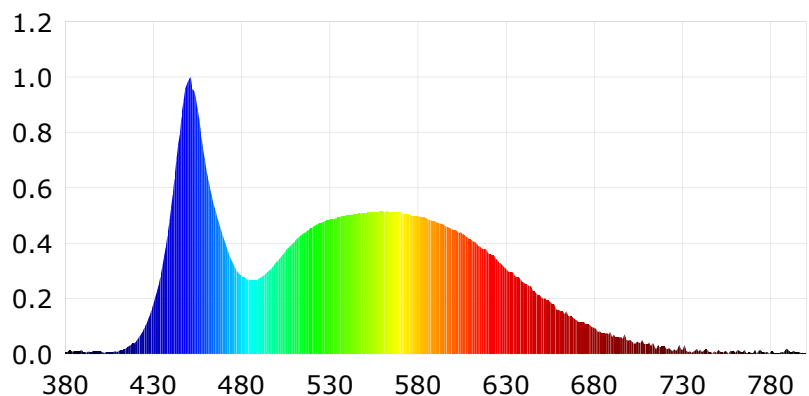
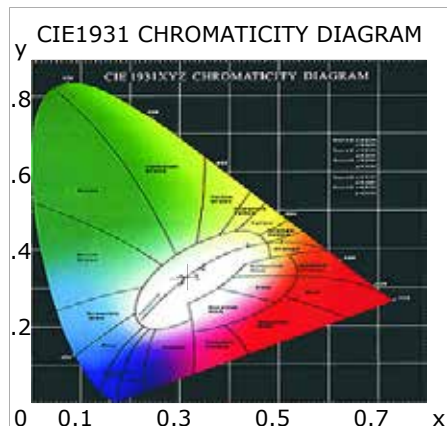
$R_{11}=89$

$R_{12}=52$

$R_{13}=84$

$R_{14}=90$

$R_{15}=83$



#### Photometric Parameters

Luminous Flux: 409.8 lm

Efficiency: 56.91 lm/W

Radiant Power: 1.326 W

#### Electric Parameters

Voltage: 219.70V

Current: 0.0340A

Power: 7.20W

Power Factor: 0.9760

Frequency: 50.00Hz

#### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 45051 (3484)

Photometric Method:

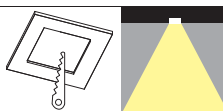
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 3166.30 ms



## DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7672 | 6W LED  | WW     | □120 x 28            | □107        | 389.7 lm      |



### Lightsource Test Report

#### Product Information

Product Category: 6W-S-3000K

Product Number: 4

#### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4344$   $y=0.4005$   $u(u')=0.2504$   $v=0.3464$   $v'=0.5196$

CCT:  $T_c=3015K$  ( $duv=-0.00107$ )

Colour Ratio:  $R=0.230$   $G=0.744$   $B=0.026$

Peak Wavelength: 606nm

Half Bandwidth: 131.0nm

Dominant Wavelength: 583.1nm

Colour Purity: 0.506

CRI:  $R_i$ :  $R_a=83.3$

$R_1=82$   $R_2=91$   $R_3=97$

$R_4=82$

$R_5=82$

$R_6=89$

$R_7=83$

$R_8=61$

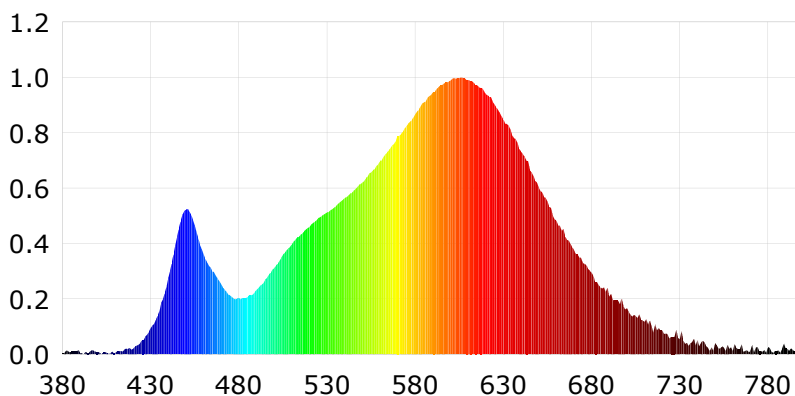
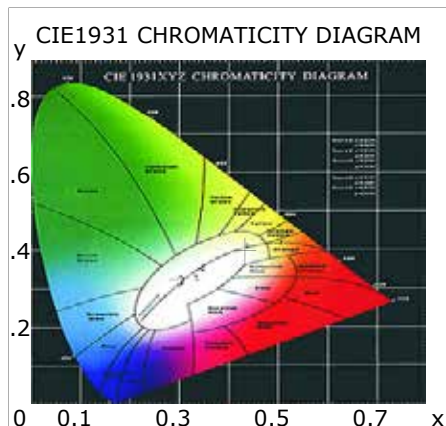
$R_9=12$   $R_{10}=79$   $R_{11}=80$

$R_{12}=73$

$R_{13}=84$

$R_{14}=99$

$R_{15}=75$



#### Photometric Parameters

Luminous Flux: 389.7 lm

Efficiency: 55.68 lm/W

Radiant Power: 1.197 W

#### Electric Parameters

Voltage: 219.80V

Current: 0.0320A

Power: 7.00W

Power Factor: 0.9770

Frequency: 50.00Hz

#### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 44399 (3779)

Photometric Method:

Photometric Condition: Sphere diameter: 1.50m, 4T

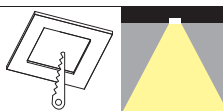
CCD Integration Time: 5192.60 ms





## DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7672 | 6W LED  | NW     | □120 x 28            | □107        | 426.9 lm      |



### Lightsource Test Report

#### Product Infomation

Product Category: 6W-S-4000K

Product Number: 5

#### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3798$   $y=0.3816$   $u(u')=0.2228$   $v=0.3357$   $v'=0.5036$

CCT:  $T_c=4053K$  ( $duv=0.00243$ )

Colour Ratio:  $R=0.179$   $G=0.786$   $B=0.035$

Peak Wavelength: 451nm

Half Bandwidth: 28.0nm

Dominant Wavelength: 577.6nm

Colour Purity: 0.285

CRI:  $R_i$ :  $R_a=82.0$

$R_1=80$

$R_2=88$

$R_3=93$

$R_4=81$

$R_5=80$

$R_6=83$

$R_7=87$

$R_8=65$

$R_9=8$

$R_{10}=70$

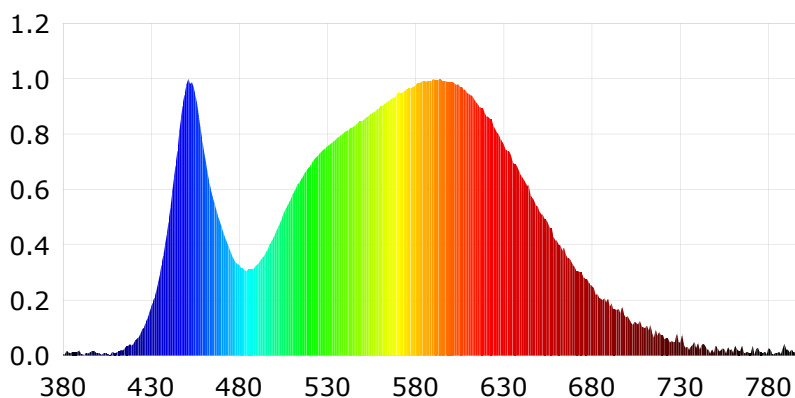
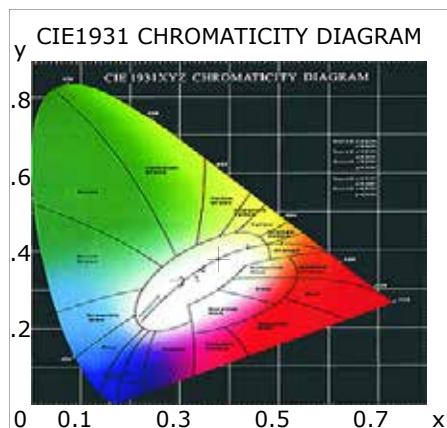
$R_{11}=78$

$R_{12}=58$

$R_{13}=82$

$R_{14}=96$

$R_{15}=74$



#### Photometric Parameters

Luminous Flux: 426.9 lm

Efficiency: 58.47 lm/W

Radiant Power: 1.288 W

#### Electric Parameters

Voltage: 219.70V

Current: 0.0340A

Power: 7.30W

Power Factor: 0.9770

Frequency: 50.00Hz

#### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 44618 (3801)

Photometric Method:

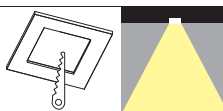
Photometric Condition: Sphere diameter: 1.50m, 4T

CCD Integration Time: 5268.64 ms



# DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7672 | 6W LED  | CW     | □120 x 28            | □107        | 410.1 lm      |



## Lightsource Test Report

### Product Information

Product Category: 6W-S-6000K

Product Number: 6

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3132$   $y=0.3276$   $u(u')=0.1987$   $v=0.3118$   $v'=0.4677$

CCT:  $T_c=6490K$  ( $duv=0.00225$ )

Colour Ratio:  $R=0.136$   $G=0.809$   $B=0.055$

Peak Wavelength: 450nm

Half Bandwidth: 26.6nm

Dominant Wavelength: 497.8nm

Colour Purity: 0.072

CRI:  $R_i$ :  $R_a=84.8$

$R_1=85$

$R_2=85$

$R_3=82$

$R_4=91$

$R_5=85$

$R_6=78$

$R_7=92$

$R_8=81$

$R_9=28$

$R_{10}=61$

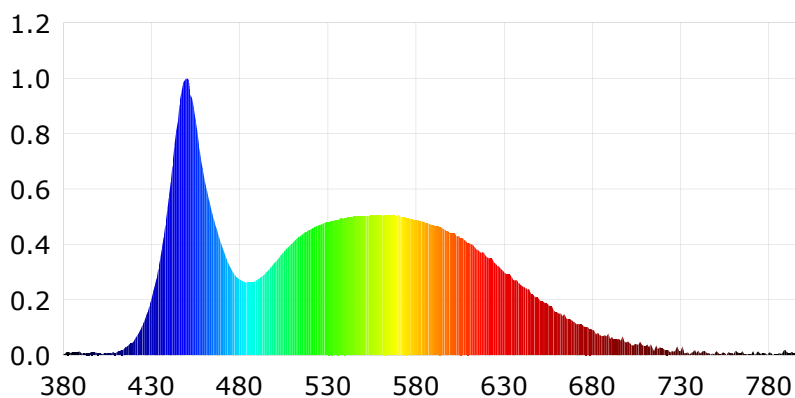
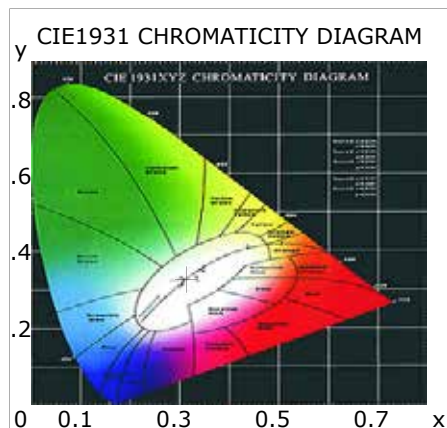
$R_{11}=90$

$R_{12}=53$

$R_{13}=84$

$R_{14}=90$

$R_{15}=84$



### Photometric Parameters

Luminous Flux: 410.1 lm

Efficiency: 56.95 lm/W

Radiant Power: 1.334 W

### Electric Parameters

Voltage: 219.70V

Current: 0.0330A

Power: 7.20W

Power Factor: 0.9770

Frequency: 50.00Hz

### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 46236 (3480)

Photometric Method:

Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 3221.90 ms





## DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |                                                                                    |
|------|---------|--------|----------------------|-------------|---------------|------------------------------------------------------------------------------------|
| 7665 | 10W LED | WW     | Ø120 x 28            | Ø107        | 684.4 lm      |  |



### Lightsource Test Report

#### Product Infomation

Product Category: 10W-R-3000K

Product Number: 10

#### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4403$   $y=0.4044$   $u(u')=0.2526$   $v=0.3480$   $v'=0.5220$

CCT:  $T_c=2946K$  ( $duv=-0.00034$ )

Colour Ratio:  $R=0.237$   $G=0.732$   $B=0.030$

Peak Wavelength: 605nm

Half Bandwidth: 121.9nm

Dominant Wavelength: 583.2nm

Colour Purity: 0.535

CRI:  $R_i$ :  $R_a=84.5$

$R_1=84$

$R_2=95$

$R_3=93$

$R_4=82$

$R_5=85$

$R_6=95$

$R_7=81$

$R_8=60$

$R_9=15$

$R_{10}=88$

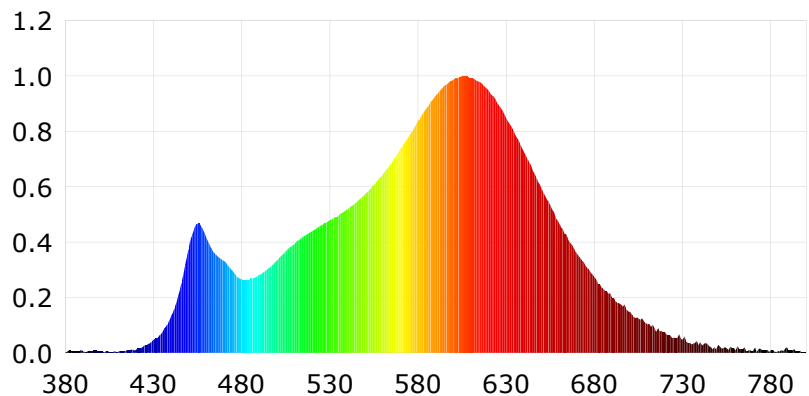
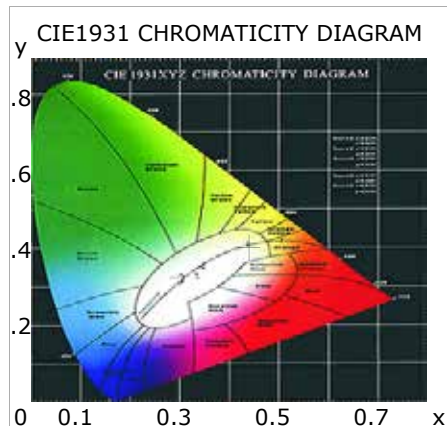
$R_{11}=82$

$R_{12}=78$

$R_{13}=87$

$R_{14}=97$

$R_{15}=76$



#### Photometric Parameters

Luminous Flux: 684.4 lm

Efficiency: 73.59 lm/W

Radiant Power: 2.099 W

#### Electric Parameters

Voltage: 219.70V

Current: 0.0440A

Power: 9.30W

Power Factor: 0.9700

Frequency: 50.00Hz

#### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 45073 (3458)

Photometric Method:

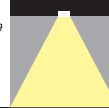
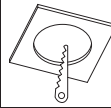
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 2918.36 ms



# DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7665 | 10W LED | NW     | Ø120 x 28            | Ø107        | 729.3 lm      |



## Lightsource Test Report

### Product Information

Product Category: 10W-R-4000K

Product Number: 11

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3815$   $y=0.3826$   $u(u')=0.2235$   $v=0.3362$   $v'=0.5043$

CCT:  $T_c=4014K$  ( $duv=0.00240$ )

Colour Ratio:  $R=0.182$   $G=0.781$   $B=0.037$

Peak Wavelength: 594nm

Half Bandwidth: 151.2nm

Dominant Wavelength: 577.8nm

Colour Purity: 0.293

CRI:  $R_i$ :  $R_a=83.6$

$R_1=82$

$R_2=89$

$R_3=95$

$R_4=82$

$R_5=82$

$R_6=86$

$R_7=87$

$R_8=66$

$R_9=11$

$R_{10}=75$

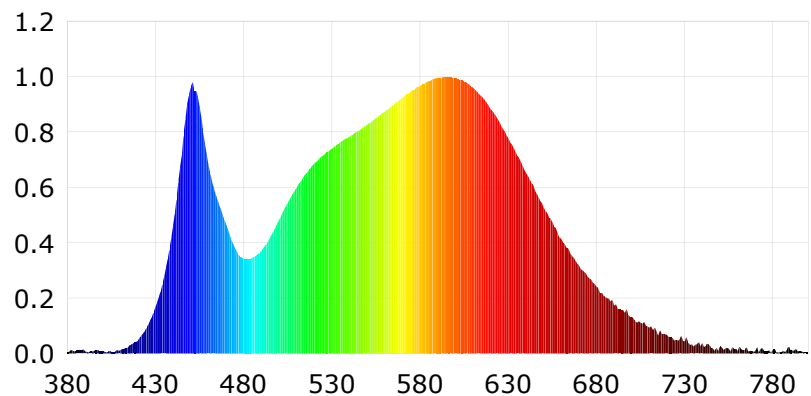
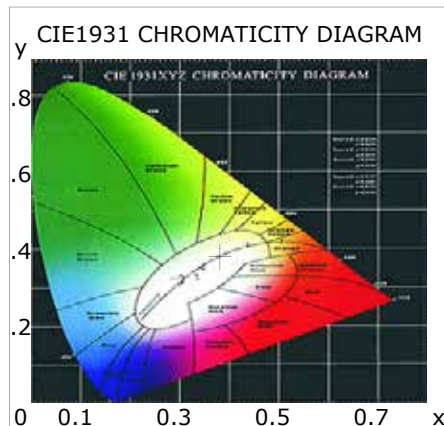
$R_{11}=81$

$R_{12}=63$

$R_{13}=84$

$R_{14}=97$

$R_{15}=76$



### Photometric Parameters

Luminous Flux: 729.3 lm

Efficiency: 80.14 lm/W

Radiant Power: 2.204 W

### Electric Parameters

Voltage: 219.70V

Current: 0.0430A

Power: 9.10W

Power Factor: 0.9690

Frequency: 50.00Hz

### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 48384 (3561)

Photometric Method:

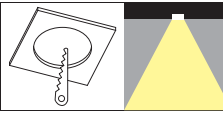
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 3430.53 ms



## DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7665 | 10W LED | CW     | Ø120 x 28            | Ø107        | 761.1 lm      |



### Lightsource Test Report

#### Product Information

Product Category: 10W-R-6000K

Product Number: 12

#### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3200$   $y=0.3412$   $u(u')=0.1983$   $v=0.3172$   $v'=0.4758$

CCT:  $T_c=6070K$  ( $duv=0.00581$ )

Colour Ratio:  $R=0.135$   $G=0.814$   $B=0.052$

Peak Wavelength: 451nm

Half Bandwidth: 24.7nm

Dominant Wavelength: 499.5nm

Colour Purity: 0.041

CRI:  $R_i$ :  $R_a=82.9$

$R_1=82$

$R_2=84$

$R_3=83$

$R_4=88$

$R_5=82$

$R_6=76$

$R_7=92$

$R_8=77$

$R_9=16$

$R_{10}=58$

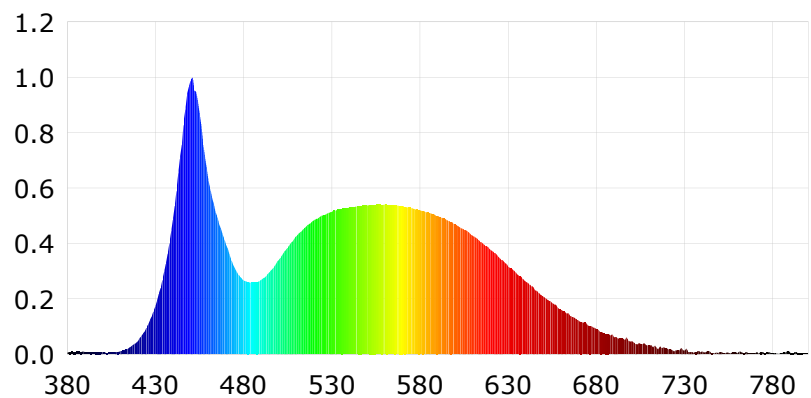
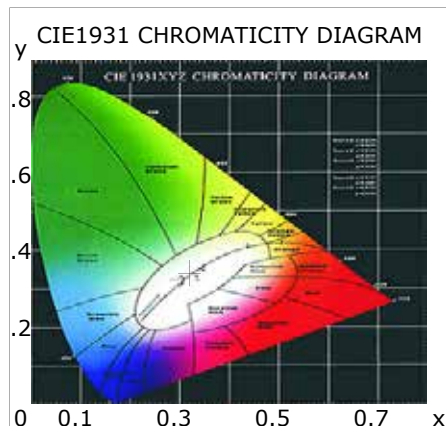
$R_{11}=86$

$R_{12}=49$

$R_{13}=82$

$R_{14}=90$

$R_{15}=79$



#### Photometric Parameters

Luminous Flux: 761.1 lm

Efficiency: 81.84 lm/W

Radiant Power: 2.389 W

#### Electric Parameters

Voltage: 219.70V

Current: 0.0440A

Power: 9.30W

Power Factor: 0.9700

Frequency: 50.00Hz

#### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 44492 (3319)

Photometric Method:

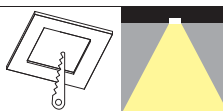
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 1768.64 ms



# DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7668 | 10W LED | WW     | □120 x 28            | □107        | 619.7 lm      |



## Lightsource Test Report

### Product Infomation

Product Category: 10W-S-3000K

Product Number: 7

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4402$   $y=0.4043$   $u(u')=0.2525$   $v=0.3480$   $v'=0.5220$

CCT:  $T_c=2949K$  ( $duv=-0.00032$ )

Colour Ratio:  $R=0.237$   $G=0.733$   $B=0.030$

Peak Wavelength: 605nm

Half Bandwidth: 122.4nm

Dominant Wavelength: 583.2nm

Colour Purity: 0.535

CRI:  $R_i$ :  $R_a=84.6$

$R_1=84$

$R_2=95$

$R_3=94$

$R_4=83$

$R_5=85$

$R_6=95$

$R_7=81$

$R_8=61$

$R_9=15$

$R_{10}=88$

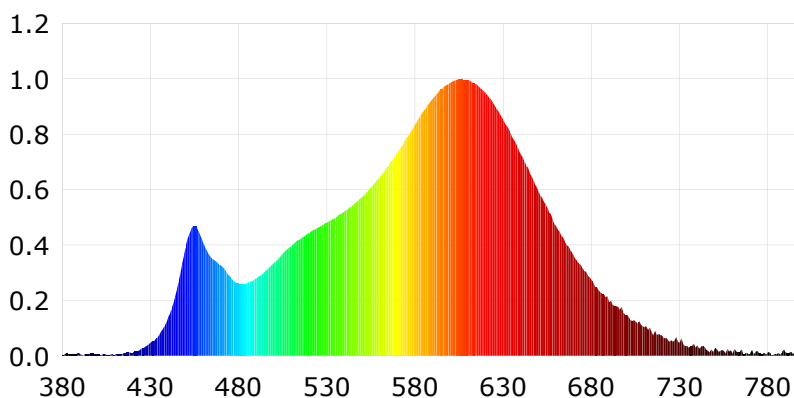
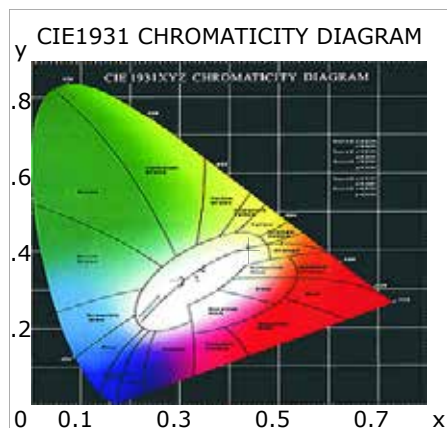
$R_{11}=83$

$R_{12}=78$

$R_{13}=87$

$R_{14}=97$

$R_{15}=76$



### Photometric Parameters

Luminous Flux: 619.7 lm

Efficiency: 67.36 lm/W

Radiant Power: 1.900 W

### Electric Parameters

Voltage: 219.70V

Current: 0.0430A

Power: 9.20W

Power Factor: 0.9710

Frequency: 50.00Hz

### Test Infomation

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 44892 (3497)

Photometric Method:

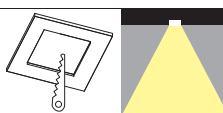
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 3210.33 ms



# DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7668 | 10W LED | NW     | □120 x 28            | □107        | 699.3 lm      |



## Lightsource Test Report

### Product Infomation

Product Category: 10W-S-4000K

Product Number: 8

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3818$   $y=0.3823$   $u(u')=0.2238$   $v=0.3361$   $v'=0.5042$

CCT:  $T_c=4005K$  ( $duv=0.00219$ )

Colour Ratio:  $R=0.183$   $G=0.780$   $B=0.037$

Peak Wavelength: 593nm

Half Bandwidth: 150.9nm

Dominant Wavelength: 577.9nm

Colour Purity: 0.293

CRI:  $R_i$ :  $R_a=83.5$

$R_1=82$

$R_2=89$

$R_3=95$

$R_4=82$

$R_5=82$

$R_6=86$

$R_7=87$

$R_8=66$

$R_9=11$

$R_{10}=74$

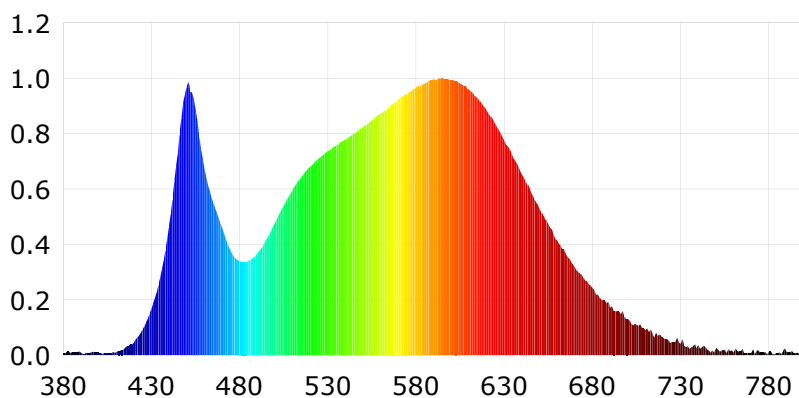
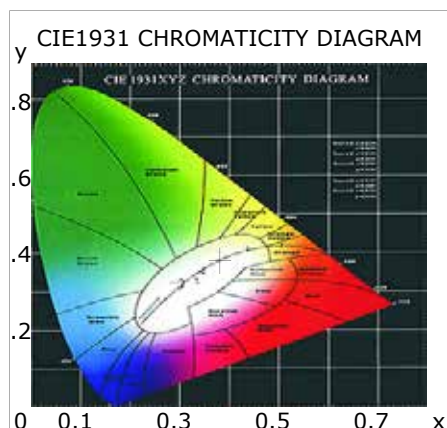
$R_{11}=81$

$R_{12}=63$

$R_{13}=84$

$R_{14}=97$

$R_{15}=76$



### Photometric Parameters

Luminous Flux: 699.3 lm

Efficiency: 75.20 lm/W

Radiant Power: 2.112 W

### Electric Parameters

Voltage: 219.70V

Current: 0.0440A

Power: 9.30W

Power Factor: 0.9680

Frequency: 50.00Hz

### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 44854 (3487)

Photometric Method:

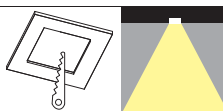
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 3296.50 ms



# DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7668 | 10W LED | CW     | □120 x 28            | □107        | 714.7 lm      |



## Lightsource Test Report

### Product Infomation

Product Category: 10W-S 6000K

Product Number: 1

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3185$   $y=0.3399$   $u(u')=0.1978$   $v=0.3166$   $v'=0.4749$

CCT:  $T_c=6146K$  ( $duv=0.00585$ )

Colour Ratio:  $R=0.134$   $G=0.813$   $B=0.052$

Peak Wavelength: 451nm

Half Bandwidth: 24.9nm

Dominant Wavelength: 497.5nm

Colour Purity: 0.046

CRI:  $R_i$ :  $R_a=83.2$

$R_1=82$

$R_2=84$

$R_3=83$

$R_4=88$

$R_5=82$

$R_6=77$

$R_7=92$

$R_8=78$

$R_9=17$

$R_{10}=59$

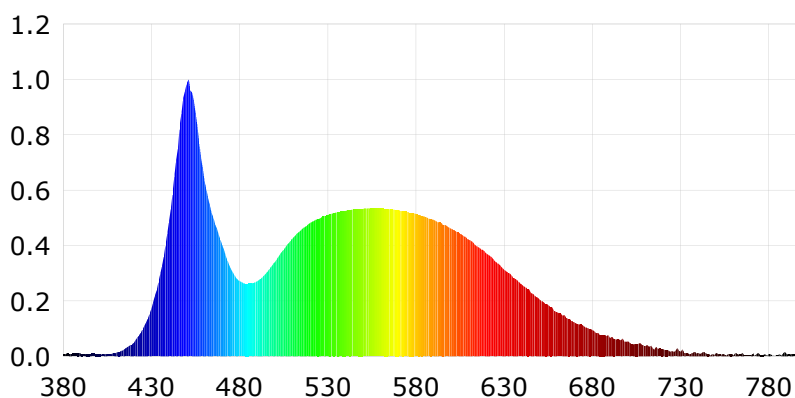
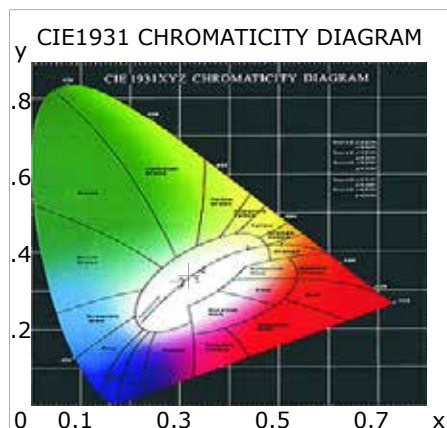
$R_{11}=87$

$R_{12}=50$

$R_{13}=82$

$R_{14}=90$

$R_{15}=80$



### Photometric Parameters

Luminous Flux: 714.7 lm

Efficiency: 76.85 lm/W

Radiant Power: 2.263 W

### Electric Parameters

Voltage: 229.60V

Current: 0.0420A

Power: 9.30W

Power Factor: 0.9630

Frequency: 50.00Hz

#### Test Infomation

Scan Range: 380nm~800nm:1nm

Stabilization Time: 10 Sec

Max of Signal: 46211 (3274)

Photometric Method:

Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

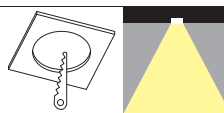
CCD Integration Time: 2041.73 ms





## DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7666 | 18W LED | WW     | Ø170 x 28            | Ø157        | 1407.1 lm     |



### Lightsource Test Report

#### Product Information

Product Category: 18W-R-3000K

Product Number: 17

#### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4397$   $y=0.4045$   $u(u')=0.2521$   $v=0.3480$   $v'=0.5220$

CCT:  $T_c=2958K$  ( $duv=-0.00019$ )

Colour Ratio:  $R=0.237$   $G=0.733$   $B=0.030$

Peak Wavelength: 603nm

Half Bandwidth: 123.2nm

Dominant Wavelength: 583.1nm

Colour Purity: 0.534

CRI:  $R_i$ :  $R_a=84.7$

$R_1=84$

$R_2=95$

$R_3=94$

$R_4=83$

$R_5=85$

$R_6=95$

$R_7=81$

$R_8=61$

$R_9=15$

$R_{10}=88$

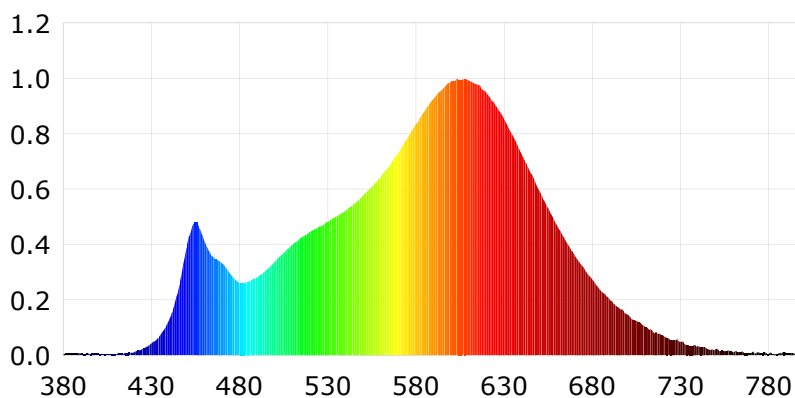
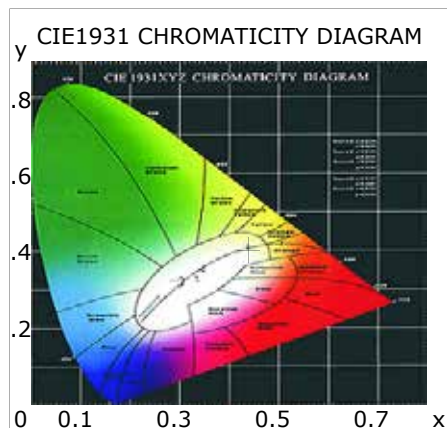
$R_{11}=83$

$R_{12}=78$

$R_{13}=87$

$R_{14}=97$

$R_{15}=76$



#### Photometric Parameters

Luminous Flux: 1407.1 lm

Efficiency: 80.87 lm/W

Radiant Power: 4.309 W

#### Electric Parameters

Voltage: 219.90V

Current: 0.0800A

Power: 17.40W

Power Factor: 0.9860

Frequency: 50.00Hz

#### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 45017 (3277)

Photometric Method:

Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 1423.55 ms



## DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |                                                                                    |
|------|---------|--------|----------------------|-------------|---------------|------------------------------------------------------------------------------------|
| 7666 | 18W LED | NW     | Ø170 x 28            | Ø157        | 1523.6 lm     |  |



### Lightsource Test Report

#### Product Infomation

Product Category: 18W-R-4000K

Product Number: 16

#### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3794$   $y=0.3813$   $u(u')=0.2226$   $v=0.3356$   $v'=0.5034$

CCT:  $T_c=4063K$  ( $duv=0.00243$ )

Colour Ratio:  $R=0.181$   $G=0.781$   $B=0.038$

Peak Wavelength: 451nm

Half Bandwidth: 27.6nm

Dominant Wavelength: 577.5nm

Colour Purity: 0.283

CRI:  $R_i$ :  $R_a=83.8$

$R_1=82$

$R_2=90$

$R_3=95$

$R_4=83$

$R_5=82$

$R_6=86$

$R_7=87$

$R_8=66$

$R_9=12$

$R_{10}=75$

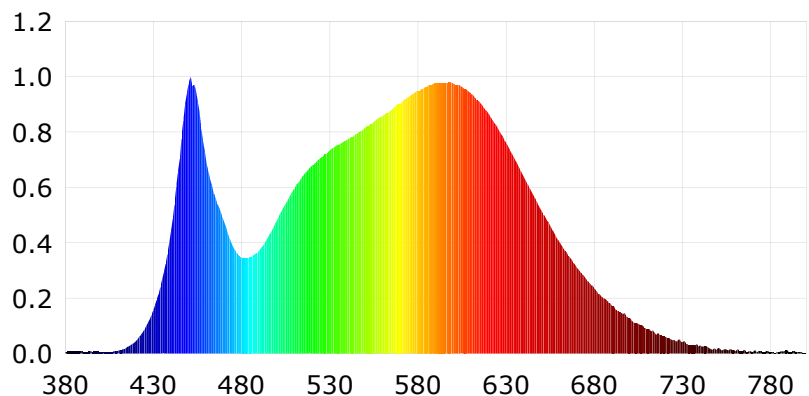
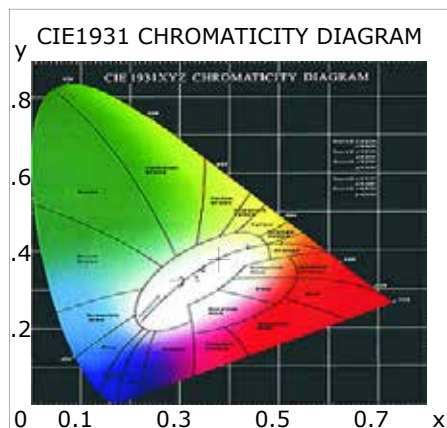
$R_{11}=81$

$R_{12}=63$

$R_{13}=84$

$R_{14}=97$

$R_{15}=76$



#### Photometric Parameters

Luminous Flux: 1523.6 lm

Efficiency: 89.62 lm/W

Radiant Power: 4.605 W

#### Electric Parameters

Voltage: 219.90V

Current: 0.0780A

Power: 17.00W

Power Factor: 0.9870

Frequency: 50.00Hz

#### Test Infomation

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 45159 (3282)

Photometric Method:

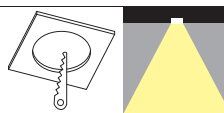
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 1483.94 ms



## DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7666 | 18W LED | CW     | Ø170 x 28            | Ø157        | 1597.0 lm     |



### Lightsource Test Report

#### Product Information

Product Category: 18W-R-6000K

Product Number: 18

#### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3179$   $y=0.3399$   $u(u')=0.1974$   $v=0.3165$   $v'=0.4748$

CCT:  $T_c=6174K$  ( $duv=0.00617$ )

Colour Ratio:  $R=0.134$   $G=0.814$   $B=0.053$

Peak Wavelength: 451nm

Half Bandwidth: 24.4nm

Dominant Wavelength: 497.3nm

Colour Purity: 0.048

CRI:  $R_i$ :  $R_a=83.2$

$R_1=82$

$R_2=84$

$R_3=83$

$R_4=88$

$R_5=82$

$R_6=77$

$R_7=92$

$R_8=77$

$R_9=16$

$R_{10}=59$

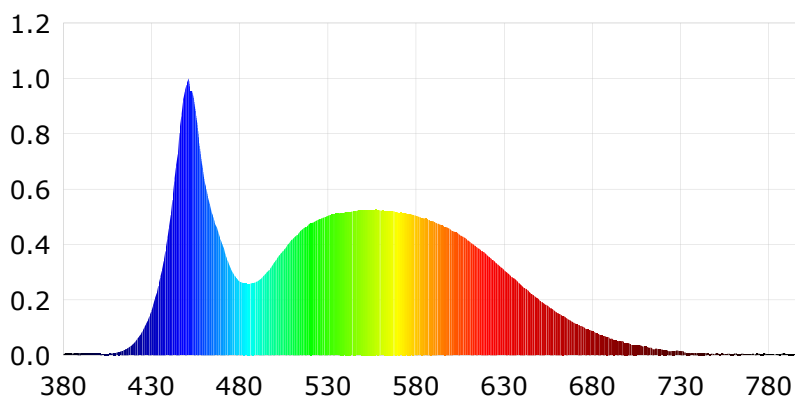
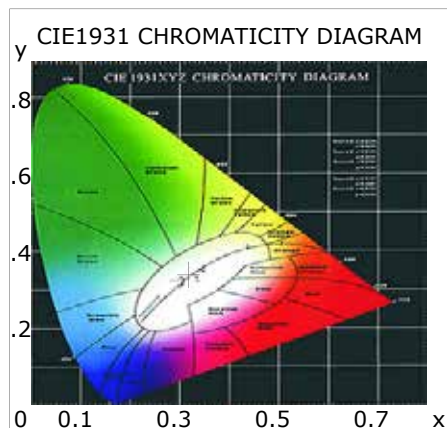
$R_{11}=86$

$R_{12}=49$

$R_{13}=82$

$R_{14}=91$

$R_{15}=79$



#### Photometric Parameters

Luminous Flux: 1597.0 lm

Efficiency: 90.74 lm/W

Radiant Power: 5.025 W

#### Electric Parameters

Voltage: 219.90V

Current: 0.0810A

Power: 17.60W

Power Factor: 0.9870

Frequency: 50.00Hz

#### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 54165 (3287)

Photometric Method:

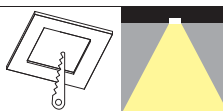
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 1000.00 ms



# DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7669 | 18W LED | WW     | □170 x 28            | □157        | 1345.3 lm     |



## Lightsource Test Report

### Product Infomation

Product Category: 18W-S-3000K

Product Number: 13

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4374$   $y=0.4030$   $u(u')=0.2513$   $v=0.3474$   $v'=0.5210$

CCT:  $T_c=2983K$  ( $duv=-0.00050$ )

Colour Ratio:  $R=0.236$   $G=0.733$   $B=0.031$

Peak Wavelength: 607nm

Half Bandwidth: 124.8nm

Dominant Wavelength: 583.1nm

Colour Purity: 0.523

CRI:  $R_i$ :  $R_a=85.0$

$R_1=85$

$R_2=95$

$R_3=93$

$R_4=83$

$R_5=86$

$R_6=95$

$R_7=81$

$R_8=62$

$R_9=17$

$R_{10}=89$

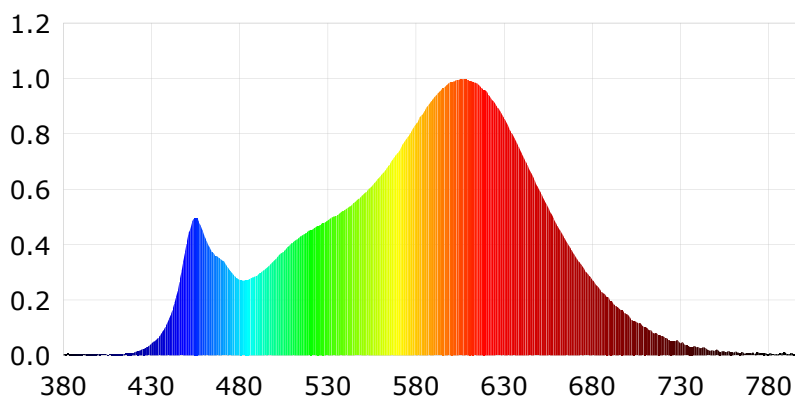
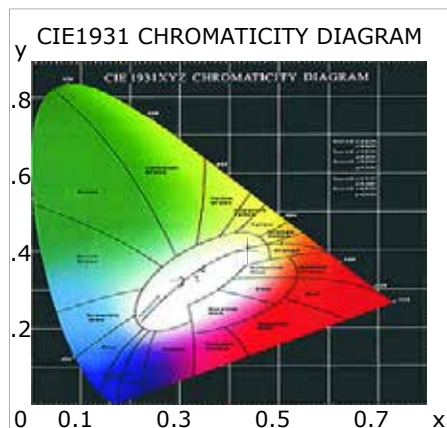
$R_{11}=83$

$R_{12}=78$

$R_{13}=88$

$R_{14}=97$

$R_{15}=77$



### Photometric Parameters

Luminous Flux: 1345.3 lm

Efficiency: 79.14 lm/W

Radiant Power: 4.127 W

### Electric Parameters

Voltage: 220.00V

Current: 0.0780A

Power: 17.00W

Power Factor: 0.9870

Frequency: 50.00Hz

### Test Infomation

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 46055 (3213)

Photometric Method:

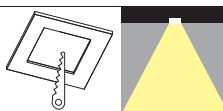
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 1531.49 ms



# DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7669 | 18W LED | NW     | □170 x 28            | □157        | 1477.2 lm     |



## Lightsource Test Report

### Product Infomation

Product Category: 18W-S-4000K

Product Number: 14

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3788$   $y=0.3810$   $u(u')=0.2223$   $v=0.3355$   $v'=0.5032$

CCT:  $T_c=4077K$  ( $duv=0.00249$ )

Colour Ratio:  $R=0.181$   $G=0.781$   $B=0.038$

Peak Wavelength: 451nm

Half Bandwidth: 27.1nm

Dominant Wavelength: 577.5nm

Colour Purity: 0.280

CRI:  $R_i$ :  $R_a=83.9$

$R_1=82$

$R_2=90$

$R_3=95$

$R_4=83$

$R_5=82$

$R_6=86$

$R_7=87$

$R_8=66$

$R_9=13$

$R_{10}=75$

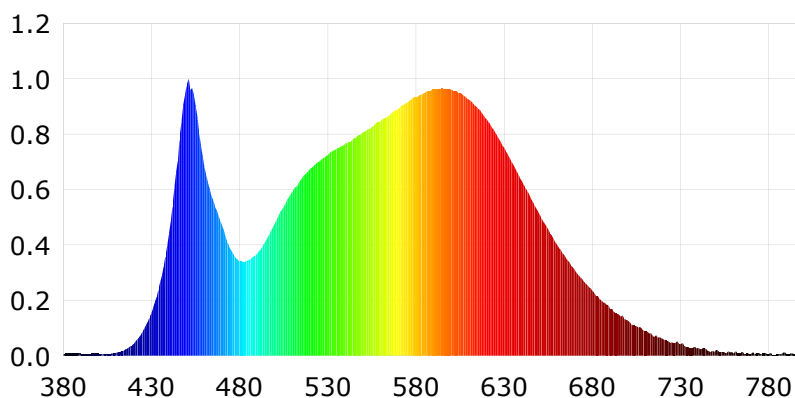
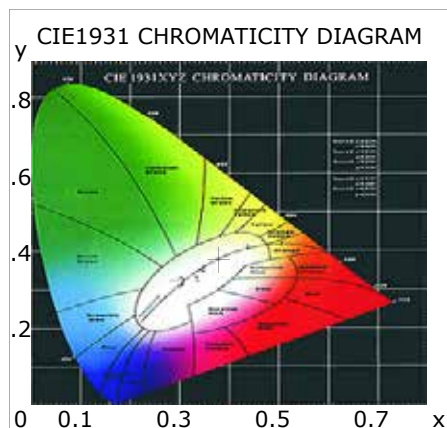
$R_{11}=81$

$R_{12}=63$

$R_{13}=84$

$R_{14}=97$

$R_{15}=76$



### Photometric Parameters

Luminous Flux: 1477.2 lm

Efficiency: 86.38 lm/W

Radiant Power: 4.470 W

### Electric Parameters

Voltage: 220.00V

Current: 0.0790A

Power: 17.10W

Power Factor: 0.9860

Frequency: 50.00Hz

### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 45247 (3259)

Photometric Method:

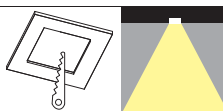
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 1522.34 ms



# DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7669 | 18W LED | CW     | □170 x 28            | □157        | 1526.7 lm     |



## Lightsource Test Report

### Product Infomation

Product Category: 18W-S-6000K

Product Number: 15

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3160$   $y=0.3379$   $u(u')=0.1968$   $v=0.3157$   $v'=0.4735$

CCT:  $T_c=6276K$  ( $duv=0.00607$ )

Colour Ratio:  $R=0.133$   $G=0.814$   $B=0.054$

Peak Wavelength: 451nm

Half Bandwidth: 24.3nm

Dominant Wavelength: 495.2nm

Colour Purity: 0.056

CRI:  $R_i$ :  $R_a=83.4$

$R_1=82$

$R_2=84$

$R_3=83$

$R_4=88$

$R_5=82$

$R_6=77$

$R_7=92$

$R_8=77$

$R_9=17$

$R_{10}=60$

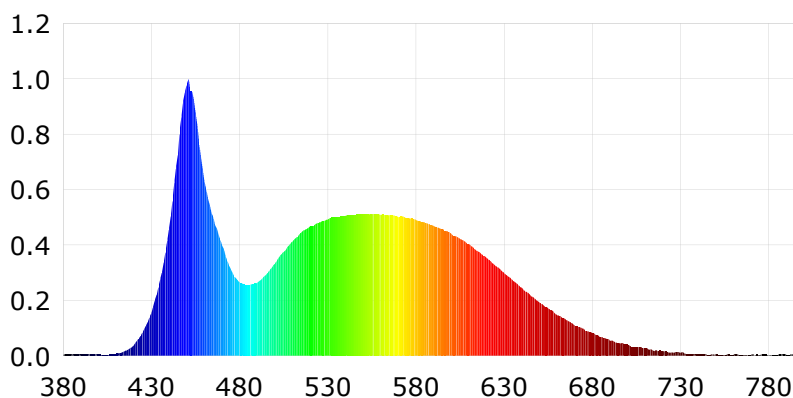
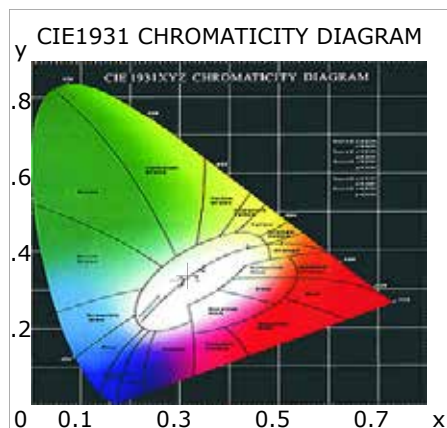
$R_{11}=87$

$R_{12}=49$

$R_{13}=82$

$R_{14}=91$

$R_{15}=80$



### Photometric Parameters

Luminous Flux: 1526.7 lm

Efficiency: 88.76 lm/W

Radiant Power: 4.808 W

### Electric Parameters

Voltage: 219.90V

Current: 0.0790A

Power: 17.20W

Power Factor: 0.9860

Frequency: 50.00Hz

### Test Infomation

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 46021 (3104)

Photometric Method:

Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

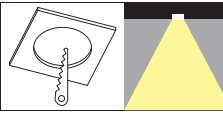
CCD Integration Time: 867.06 ms





# DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7667 | 26W LED | WW     | Ø225 x 28            | Ø206        | 2205.9 lm     |



## Lightsource Test Report

### Product Information

Product Category: 26W-R-3000K

Product Number: 22

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4372$   $y=0.4026$   $u(u')=0.2514$   $v=0.3472$   $v'=0.5208$

CCT:  $T_c=2983K$  ( $duv=-0.00064$ )

Colour Ratio:  $R=0.236$   $G=0.733$   $B=0.031$

Peak Wavelength: 607nm

Half Bandwidth: 125.3nm

Dominant Wavelength: 583.1nm

Colour Purity: 0.521

CRI:  $R_i$ :  $R_a=85.2$

$R_1=85$

$R_2=96$

$R_3=93$

$R_4=83$

$R_5=86$

$R_6=95$

$R_7=81$

$R_8=62$

$R_9=18$

$R_{10}=90$

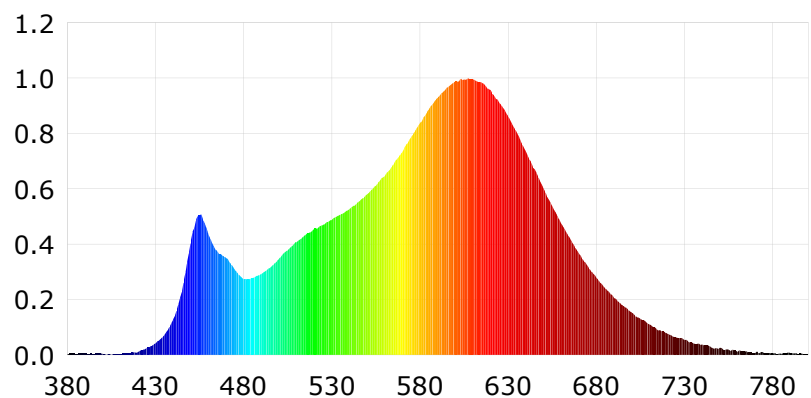
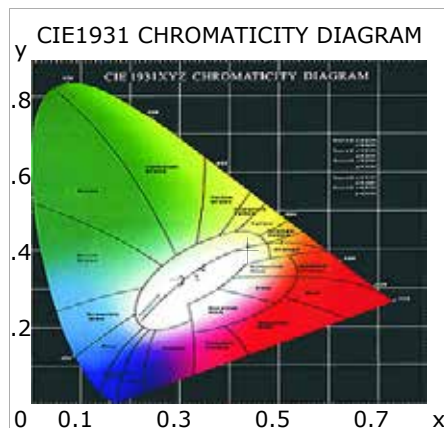
$R_{11}=84$

$R_{12}=78$

$R_{13}=88$

$R_{14}=97$

$R_{15}=78$



### Photometric Parameters

Luminous Flux: 2205.9 lm

Efficiency: 84.52 lm/W

Radiant Power: 6.809 W

### Electric Parameters

Voltage: 220.00V

Current: 0.1200A

Power: 26.10W

Power Factor: 0.9870

Frequency: 50.00Hz

### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 52040 (3141)

Photometric Method:

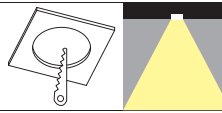
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 1059.56 ms



## DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7667 | 26W LED | NW     | Ø225 x 28            | Ø206        | 2419.4 lm     |



### Lightsource Test Report

#### Product Information

Product Category: 26W-R-4000K

Product Number: 23

#### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3798$   $y=0.3819$   $u(u')=0.2227$   $v=0.3358$   $v'=0.5037$

CCT:  $T_c=4054K$  ( $duv=0.00257$ )

Colour Ratio:  $R=0.181$   $G=0.781$   $B=0.038$

Peak Wavelength: 451nm

Half Bandwidth: 26.8nm

Dominant Wavelength: 577.5nm

Colour Purity: 0.286

CRI:  $R_i$ :  $R_a=83.8$

$R_1=82$

$R_2=90$

$R_3=95$

$R_4=83$

$R_5=82$

$R_6=86$

$R_7=87$

$R_8=66$

$R_9=12$

$R_{10}=75$

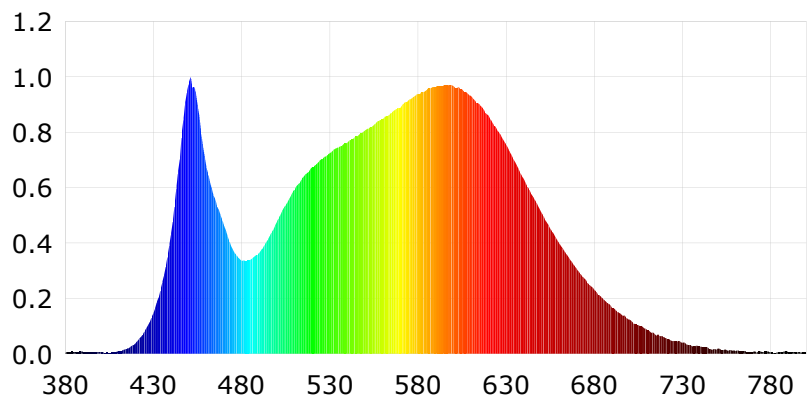
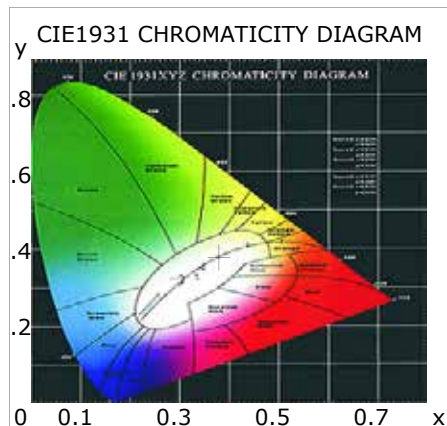
$R_{11}=81$

$R_{12}=63$

$R_{13}=84$

$R_{14}=97$

$R_{15}=76$



#### Photometric Parameters

Luminous Flux: 2419.4 lm

Efficiency: 90.95 lm/W

Radiant Power: 7.292 W

#### Electric Parameters

Voltage: 220.00V

Current: 0.1220A

Power: 26.60W

Power Factor: 0.9880

Frequency: 50.00Hz

#### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 45614 (3155)

Photometric Method:

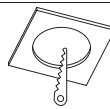
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 937.57 ms



## DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7667 | 26W LED | CW     | Ø225 x 28            | Ø206        | 2495.1 lm     |



### Lightsource Test Report

#### Product Information

Product Category: 26W-R-6000K

Product Number: 24

#### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3179$   $y=0.3405$   $u(u')=0.1972$   $v=0.3167$   $v'=0.4751$

CCT:  $T_c=6170K$  ( $duv=0.00642$ )

Colour Ratio:  $R=0.133$   $G=0.814$   $B=0.053$

Peak Wavelength: 451nm

Half Bandwidth: 24.0nm

Dominant Wavelength: 497.8nm

Colour Purity: 0.048

CRI:  $R_i$ :  $R_a=83.2$

$R_1=82$

$R_2=84$

$R_3=84$

$R_4=88$

$R_5=82$

$R_6=77$

$R_7=92$

$R_8=77$

$R_9=16$

$R_{10}=59$

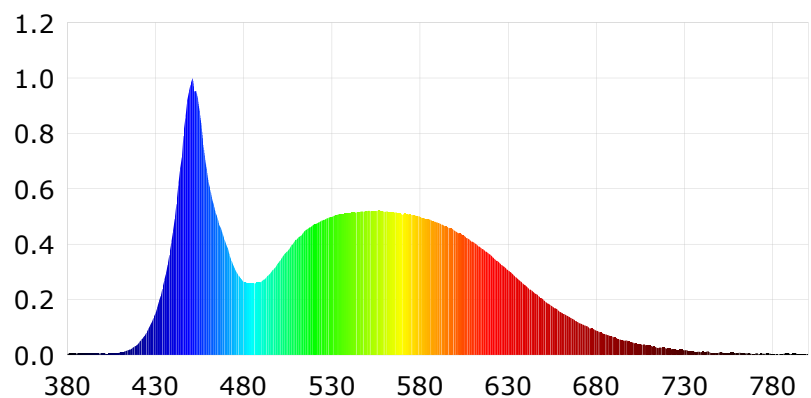
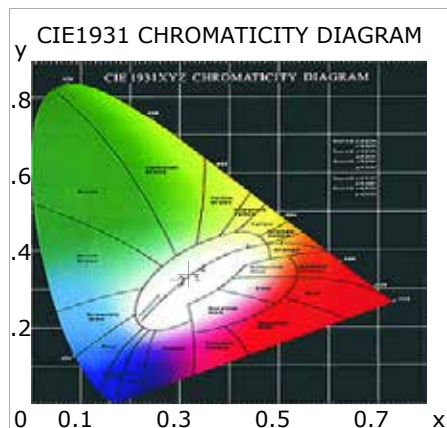
$R_{11}=86$

$R_{12}=49$

$R_{13}=82$

$R_{14}=91$

$R_{15}=79$



#### Photometric Parameters

Luminous Flux: 2495.1 lm

Efficiency: 93.45 lm/W

Radiant Power: 7.859 W

#### Electric Parameters

Voltage: 220.00V

Current: 0.1220A

Power: 26.70W

Power Factor: 0.9880

Frequency: 50.00Hz

#### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 52011 (3139)

Photometric Method:

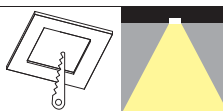
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 608.52 ms



## DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7670 | 26W LED | WW     | □225 x 28            | □206        | 2342.1 lm     |



### Lightsource Test Report

#### Product Infomation

Product Category: 26W-S-3000K

Product Number: 19

#### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4374$   $y=0.4033$   $u(u')=0.2512$   $v=0.3474$   $v'=0.5212$

CCT:  $T_c=2986K$  ( $duv=-0.00036$ )

Colour Ratio:  $R=0.236$   $G=0.733$   $B=0.031$

Peak Wavelength: 607nm

Half Bandwidth: 124.9nm

Dominant Wavelength: 602.3nm

Colour Purity: 0.524

CRI:  $R_i$ :  $R_a=85.1$

$R_1=85$

$R_2=95$

$R_3=93$

$R_4=83$

$R_5=86$

$R_6=95$

$R_7=81$

$R_8=62$

$R_9=17$

$R_{10}=89$

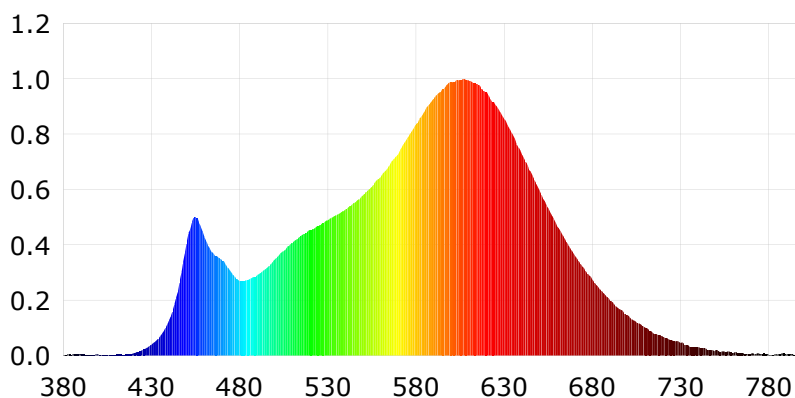
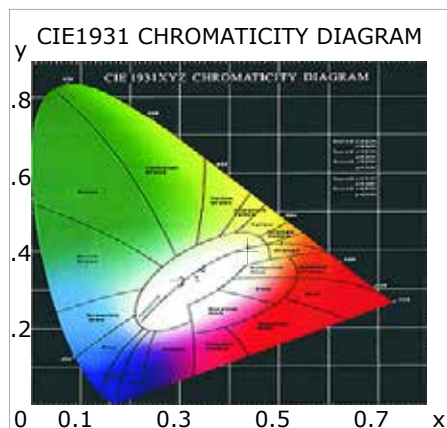
$R_{11}=84$

$R_{12}=78$

$R_{13}=88$

$R_{14}=97$

$R_{15}=77$



#### Photometric Parameters

Luminous Flux: 2342.1 lm

Efficiency: 89.73 lm/W

Radiant Power: 7.181 W

#### Electric Parameters

Voltage: 220.10V

Current: 0.1200A

Power: 26.10W

Power Factor: 0.9870

Frequency: 50.00Hz

#### Test Infomation

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 45768 (3105)

Photometric Method:

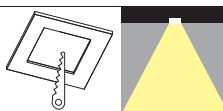
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 875.27 ms



# DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7670 | 26W LED | NW     | □225 x 28            | □206        | 2491.9 lm     |



## Lightsource Test Report

### Product Infomation

Product Category: 26W-S-4000K

Product Number: 20

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3775$   $y=0.3800$   $u(u')=0.2219$   $v=0.3350$   $v'=0.5026$

CCT:  $T_c=4103K$  ( $duv=0.00236$ )

Colour Ratio:  $R=0.180$   $G=0.781$   $B=0.038$

Peak Wavelength: 451nm

Half Bandwidth: 26.7nm

Dominant Wavelength: 577.4nm

Colour Purity: 0.273

CRI:  $R_i$ :  $R_a=84.1$

$R_1=82$

$R_2=90$

$R_3=95$

$R_4=83$

$R_5=82$

$R_6=86$

$R_7=87$

$R_8=67$

$R_9=13$

$R_{10}=75$

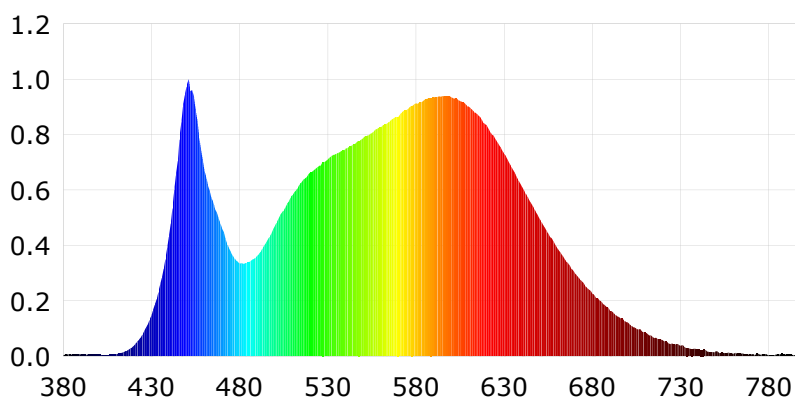
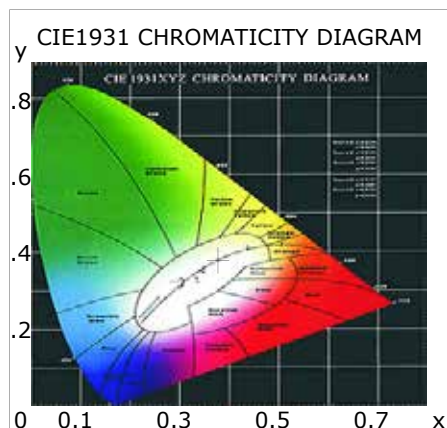
$R_{11}=82$

$R_{12}=63$

$R_{13}=84$

$R_{14}=97$

$R_{15}=76$



### Photometric Parameters

Luminous Flux: 2491.9 lm

Efficiency: 95.84 lm/W

Radiant Power: 7.540 W

### Electric Parameters

Voltage: 220.00V

Current: 0.1200A

Power: 26.00W

Power Factor: 0.9870

Frequency: 50.00Hz

### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 46631 (3107)

Photometric Method:

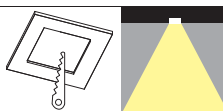
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 910.53 ms



## DIVA LED Ultra Slim Down Lighters

| ID   | Wattage | Colour | Dimension (D x H) mm | Cutout (mm) | Luminous Flux |
|------|---------|--------|----------------------|-------------|---------------|
| 7670 | 26W LED | CW     | □225 x 28            | □206        | 2563.6 lm     |



### Lightsource Test Report

#### Product Information

Product Category: 26W-S-6000K

Product Number: 21

#### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3152$   $y=0.3373$   $u(u')=0.1965$   $v=0.3154$   $v'=0.4730$

CCT:  $T_c=6322K$  ( $duv=0.00616$ )

Colour Ratio:  $R=0.132$   $G=0.813$   $B=0.054$

Peak Wavelength: 451nm

Half Bandwidth: 23.8nm

Dominant Wavelength: 494.5nm

Colour Purity: 0.059

CRI:  $R_i$ :  $R_a=83.6$

$R_1=82$

$R_2=84$

$R_3=84$

$R_4=88$

$R_5=82$

$R_6=77$

$R_7=92$

$R_8=78$

$R_9=18$

$R_{10}=60$

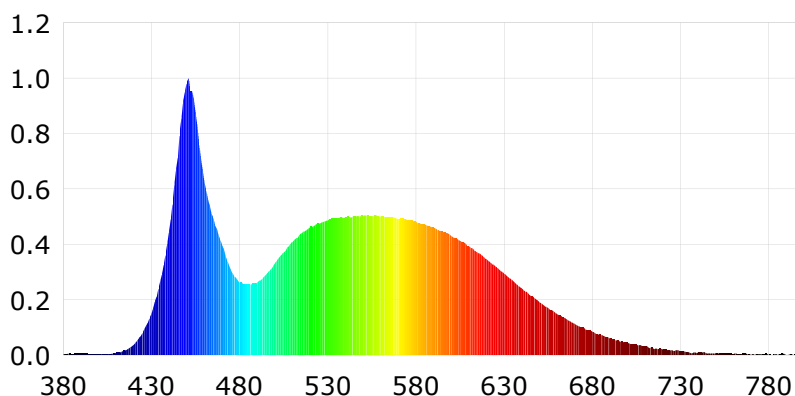
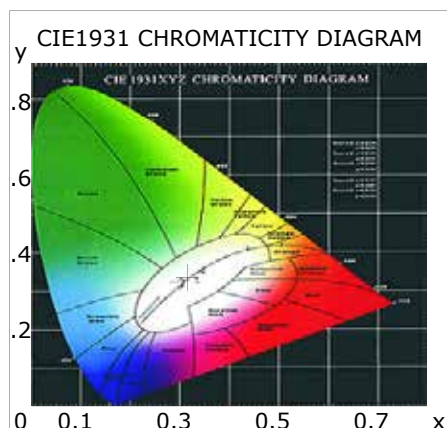
$R_{11}=87$

$R_{12}=49$

$R_{13}=83$

$R_{14}=91$

$R_{15}=80$



#### Photometric Parameters

Luminous Flux: 2563.6 lm

Efficiency: 97.85 lm/W

Radiant Power: 8.117 W

#### Electric Parameters

Voltage: 220.00V

Current: 0.1200A

Power: 26.20W

Power Factor: 0.9870

Frequency: 50.00Hz

#### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

Max of Signal: 45724 (3000)

Photometric Method:

Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 504.56 ms







## **K-LITE INDUSTRIES**

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