

Datasheet of the LSzR050-acj-x type LED light source

1.,Elektronic parameters

Nominal currant: $1 A_{\text{eff}}$
 Nominal voltage: $10 V_{\text{eff}} \pm 2 \%$ (20°C)

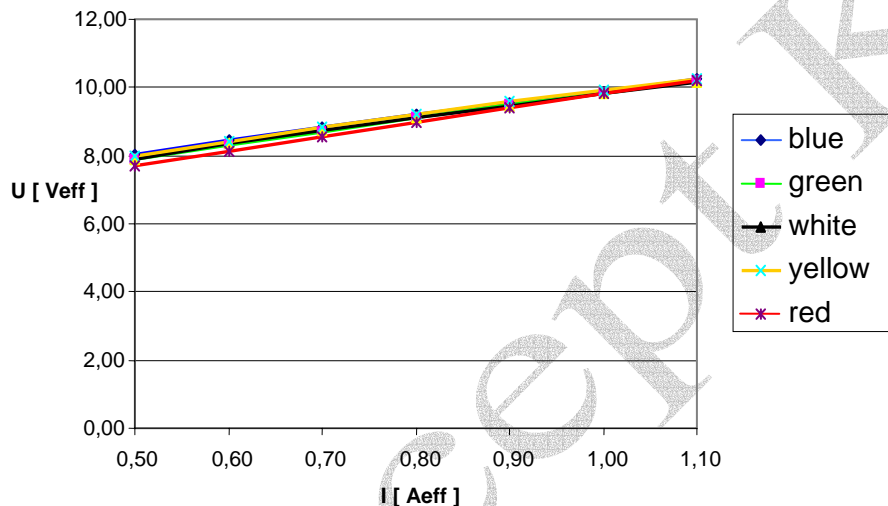
Nominal currant: $1,00 A_{\text{eff}} -5\%, +15\%$ at 150—750 candela
 Nominal voltage: $10,0 V_{\text{eff}} -3\%, +5\%$ at 150—750 candela

Nominal voltage thermal coefficient:

$T_k < 20^\circ\text{C}$ $\Delta U/\Delta T > -5\text{mV}/^\circ\text{C}$
 $T_k > 20^\circ\text{C}$ $\Delta U/\Delta T < +8\text{mV}/^\circ\text{C}$

$\Delta U_{\text{nominal}} < \pm 3 \%$ $-30^\circ\text{C} \text{---} +70^\circ\text{C}$ between

LSzR150-acj_x lampe currant-voltage diagram



| | blue | green | white | yellow | red |
|----------------------|-------|-------|----------------------|--------|-------|
| $I [A_{\text{eff}}]$ | | | | | |
| | | | $U [V_{\text{eff}}]$ | | |
| 0,50 | 8,05 | 7,89 | 7,90 | 7,99 | 7,69 |
| 0,60 | 8,45 | 8,31 | 8,34 | 8,42 | 8,14 |
| 0,70 | 8,82 | 8,71 | 8,72 | 8,84 | 8,57 |
| 0,80 | 9,19 | 9,11 | 9,10 | 9,20 | 9,00 |
| 0,90 | 9,56 | 9,48 | 9,46 | 9,57 | 9,40 |
| 1,00 | 9,89 | 9,84 | 9,83 | 9,92 | 9,81 |
| 1,10 | 10,23 | 10,20 | 10,17 | 10,27 | 10,20 |

| | | | | | |
|------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Nominal (10Veff) | 1,03 [A_{eff}] | 1,05 [A_{eff}] | 1,05 [A_{eff}] | 1,03 [A_{eff}] | 1,05 [A_{eff}] |
|------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|

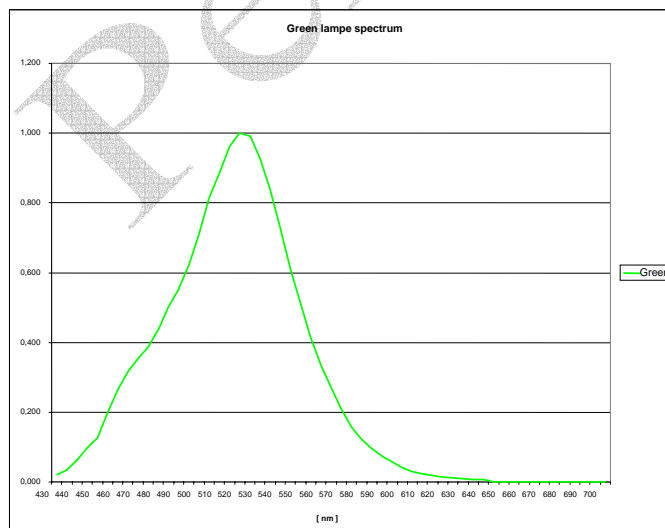
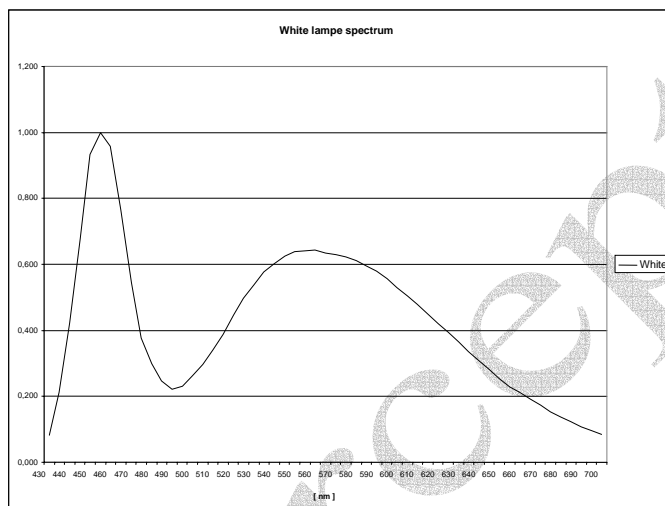
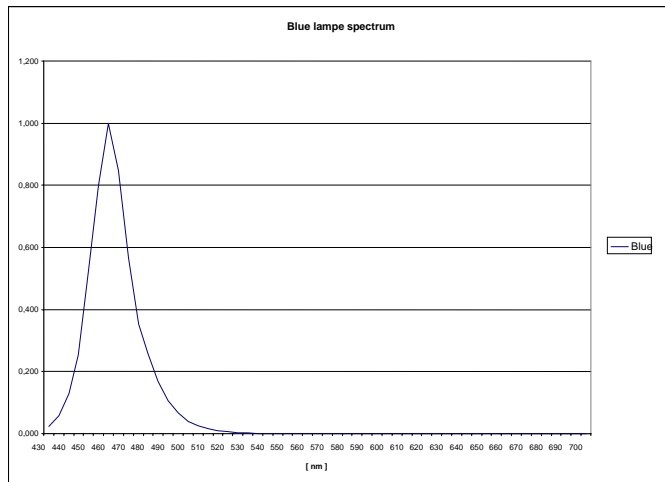
| | | | | | |
|----------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Internall resistance | 3,65[Ω] $\pm 5\%$ | 3,85[Ω] $\pm 5\%$ | 3,75[Ω] $\pm 5\%$ | 3,75[Ω] $\pm 5\%$ | 4,15[Ω] $\pm 5\%$ |
|----------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|

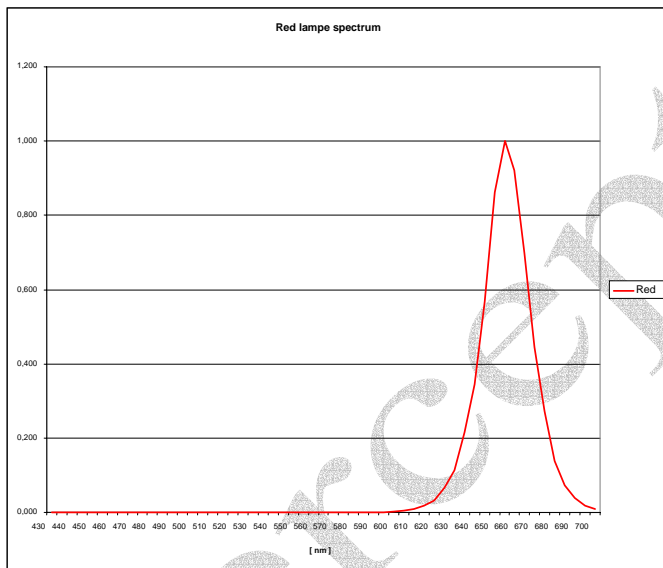
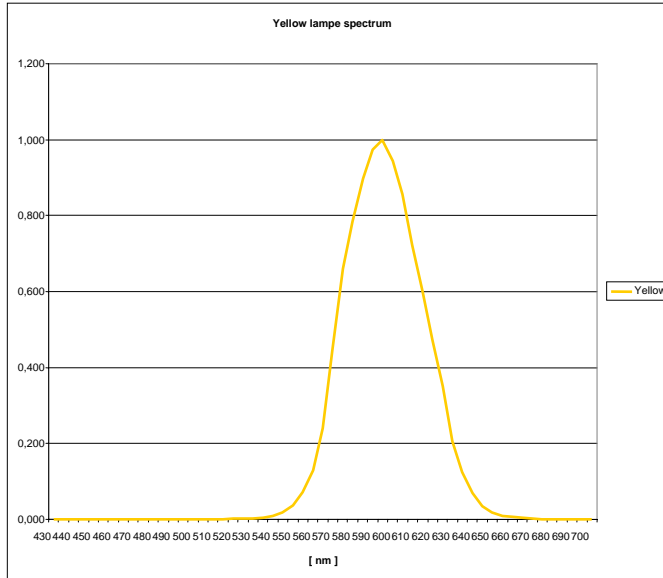
Measuring at $T = 20\text{--}21^\circ\text{C}$

Cable length: 7 m

Material: 3x0,75 UV resistant cable

2., Light parameter





View Angles:

Vertical:

8---12 degree

Horizontal:

8—10 degree , 20—23 degree , 30—35 degree

White color only 20—23 degree and 30—35 degree.

Light intensity:

| | blue | green | white | yellow | red |
|---------------------|---------|----------|---------|----------|----------|
| Intensity [candela] | 180—500 | 200--700 | 200-500 | 200--800 | 180--500 |

3.,Mechanics

Environment:

IP66 ; -30 °C -- +70 °C

Case drawing

