

PHOTOMETRIC RESULTS

| | | | |
|-------------------|--------------------------------|----------------------|-----------------|
| Name: | ELI 50 SPOT /E 1 PB 930 20° HO | | |
| Number: | 90702L001 | Diameter: | 65 mm |
| Report: | 01-06-2022 | Length: | 0 mm |
| Meas.-no.: | 01 | Width: | 0 mm |
| Lamp type: | LED 930 - 01 | Height: | 160 mm |
| Number: | 1 | Power: | 8,73 W |
| Lamp flux: | 1183,00 lm | Operator: | INDELAGUE GROUP |
| Date: | 01/06/2022 11:44:33 | Output ratio: | 94,0 % |

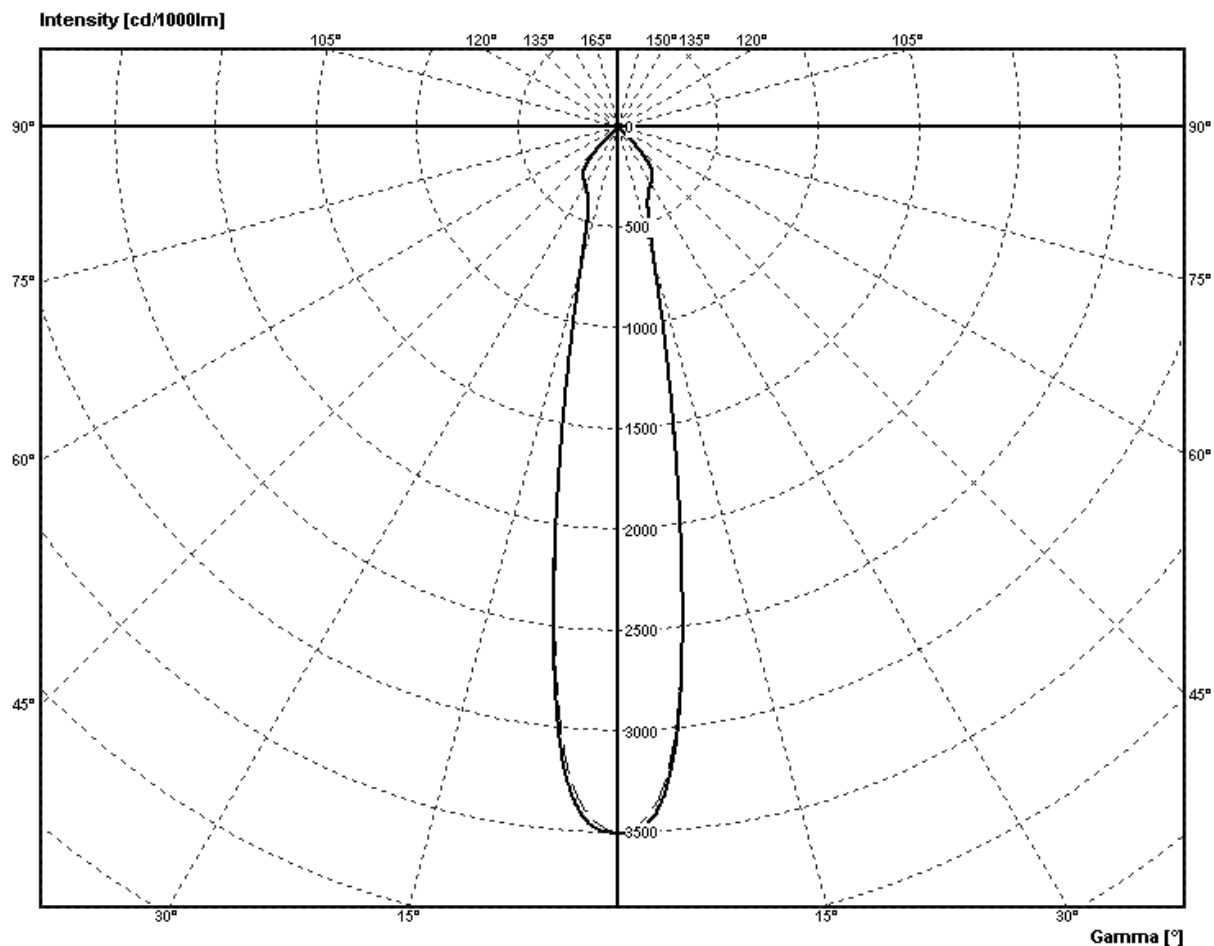
Info

| | | | | | | | | | | |
|-----------------------------------------------------|---------------------------|--------|--------|--------|--------|------------|--------|----------|--------|--------|
| LiTG-class: | A60 | | | | | | | | | |
| UTE-class: | 0,93 A | | | | | | | | | |
| IES-class: | 91 - 100 - 100 - 100 - 93 | | | | | | | | | |
| TM5-class: | Not available | | | | | | | | | |
| | | | | | | | | | | |
| Divergences in the plane through maximum intensity: | | | | | | Horizontal | | Vertical | | |
| One half peak divergence: | | | | | | 19,6° | | 19,4° | | |
| Half peak side angle (left): | | | | | | -11,2° | | -9,4° | | |
| Half peak side angle (right): | | | | | | 8,4° | | 10,0° | | |
| One tenth peak divergence: | | | | | | 51,9° | | 52,4° | | |
| Tenth peak side angle (left): | | | | | | -27,4° | | -25,7° | | |
| Tenth peak side angle (right): | | | | | | 24,6° | | 26,7° | | |
| | | | | | | | | | | |
| C-planes: | 0,0° | 15,0° | 30,0° | 45,0° | 60,0° | 75,0° | 90,0° | 105,0° | 120,0° | 135,0° |
| | 150,0° | 165,0° | 180,0° | 195,0° | 210,0° | 225,0° | 240,0° | 255,0° | 270,0° | 285,0° |
| | 300,0° | 315,0° | 330,0° | 345,0° | | | | | | |
| | | | | | | | | | | |
| Gamma: | 0,0° | 5,0° | 10,0° | 15,0° | 20,0° | 25,0° | 30,0° | 35,0° | 40,0° | 45,0° |
| | 50,0° | 55,0° | 60,0° | 65,0° | 70,0° | 75,0° | 80,0° | 85,0° | 90,0° | |

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Polar diagram ELI 50 SPOT /E 1 PB 930 20° HO / Direct in 15° C / 5° G



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UGR Unified Glare Ratios

| | | | | | | | | | | | |
|--------------------------|-----|------------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling reflectance | | 0,7 | 0,7 | 0,5 | 0,5 | 0,3 | 0,7 | 0,7 | 0,5 | 0,5 | 0,3 |
| Wall reflectance | | 0,5 | 0,3 | 0,5 | 0,3 | 0,3 | 0,5 | 0,3 | 0,5 | 0,3 | 0,3 |
| Floor cavity reflectance | | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 |
| Room dimension | | Viewed crosswise | | | | | Viewed endwise | | | | |
| 2H | 2H | 24,3 | 25,2 | 24,6 | 25,5 | 25,9 | 24,3 | 25,2 | 24,6 | 25,5 | 25,9 |
| 2H | 3H | 24,1 | 24,9 | 24,4 | 25,3 | 25,6 | 24,1 | 24,9 | 24,4 | 25,3 | 25,6 |
| 2H | 4H | 24,0 | 24,8 | 24,4 | 25,1 | 25,5 | 24,0 | 24,7 | 24,4 | 25,1 | 25,5 |
| 2H | 6H | 23,9 | 24,6 | 24,3 | 25,0 | 25,4 | 23,9 | 24,6 | 24,3 | 25,0 | 25,4 |
| 2H | 8H | 23,8 | 24,5 | 24,2 | 24,9 | 25,3 | 23,8 | 24,5 | 24,2 | 24,9 | 25,3 |
| 2H | 12H | 23,7 | 24,4 | 24,1 | 24,8 | 25,2 | 23,7 | 24,4 | 24,1 | 24,8 | 25,2 |
| 4H | 2H | 24,0 | 24,7 | 24,4 | 25,1 | 25,5 | 24,0 | 24,7 | 24,4 | 25,1 | 25,5 |
| 4H | 3H | 23,7 | 24,4 | 24,1 | 24,8 | 25,2 | 23,7 | 24,4 | 24,1 | 24,8 | 25,2 |
| 4H | 4H | 23,6 | 24,2 | 24,1 | 24,6 | 25,1 | 23,6 | 24,2 | 24,1 | 24,6 | 25,1 |
| 4H | 6H | 23,5 | 24,0 | 24,0 | 24,4 | 24,9 | 23,5 | 24,0 | 24,0 | 24,4 | 24,9 |
| 4H | 8H | 23,4 | 23,9 | 23,9 | 24,3 | 24,8 | 23,4 | 23,9 | 23,9 | 24,3 | 24,8 |
| 4H | 12H | 23,4 | 23,8 | 23,9 | 24,3 | 24,8 | 23,4 | 23,8 | 23,9 | 24,2 | 24,8 |
| 8H | 4H | 23,4 | 23,9 | 23,9 | 24,3 | 24,8 | 23,4 | 23,9 | 23,9 | 24,3 | 24,8 |
| 8H | 6H | 23,2 | 23,6 | 23,8 | 24,1 | 24,6 | 23,2 | 23,6 | 23,8 | 24,1 | 24,6 |
| 8H | 8H | 23,2 | 23,6 | 23,8 | 24,1 | 24,6 | 23,2 | 23,6 | 23,8 | 24,1 | 24,6 |
| 8H | 12H | 23,2 | 23,4 | 23,7 | 24,0 | 24,5 | 23,2 | 23,4 | 23,7 | 23,9 | 24,5 |
| 12H | 4H | 23,4 | 23,8 | 23,9 | 24,2 | 24,8 | 23,4 | 23,8 | 23,9 | 24,2 | 24,8 |
| 12H | 6H | 23,2 | 23,6 | 23,8 | 24,1 | 24,6 | 23,2 | 23,6 | 23,8 | 24,1 | 24,6 |
| 12H | 8H | 23,2 | 23,4 | 23,7 | 23,9 | 24,5 | 23,2 | 23,4 | 23,7 | 23,9 | 24,5 |

UGR values are corrected for lamp flux of 1183 lm by 0,6

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Luminance [cd/m²] ELI 50 SPOT /E 1 PB 930 20° HO / Direct in 15° C / 5° G

| G/C [cd] | 0,00 | 15,00 | 30,00 | 45,00 | 60,00 | 75,00 | 90,00 | 105,00 | 120,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 115986, | 116098, | 116499, | 116196, | 115365, | 116173, | 113124, | 116173, | 115365, |
| 50,00 | 10555,1 | 11324,8 | 11185,7 | 14750,6 | 13548,3 | 18187,9 | 19762,8 | 18187,9 | 13548,3 |
| 55,00 | 4174,86 | 4347,18 | 4178,00 | 4002,90 | 4013,77 | 4181,50 | 4152,66 | 4181,50 | 4013,77 |
| 60,00 | 3192,80 | 2993,22 | 2995,29 | 2995,43 | 3002,65 | 2798,15 | 2778,84 | 2798,15 | 3002,65 |
| 65,00 | 2360,88 | 2597,15 | 2598,67 | 2362,27 | 2368,40 | 2364,64 | 2348,32 | 2364,64 | 2368,40 |
| 70,00 | 2333,78 | 2042,57 | 2043,28 | 2043,87 | 2048,37 | 1753,12 | 1741,03 | 1753,12 | 2048,37 |
| 75,00 | 1542,00 | 1541,64 | 1543,17 | 2314,37 | 2320,37 | 2316,69 | 2300,71 | 2316,69 | 2320,37 |
| 80,00 | 2298,33 | 1725,30 | 1724,42 | 1725,96 | 1728,85 | 1727,31 | 2286,10 | 1727,31 | 1728,85 |
| 85,00 | 4579,16 | 4578,06 | 3435,71 | 3438,79 | 3444,54 | 3441,47 | 2277,40 | 3441,47 | 3444,54 |

| G/C [cd] | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 116196, | 116499, | 116098, | 115986, | 116098, | 116499, | 116196, | 115365, | 116173, |
| 50,00 | 14750,6 | 11185,7 | 11324,8 | 10555,1 | 11324,8 | 11185,7 | 14750,6 | 13548,3 | 18187,9 |
| 55,00 | 4002,90 | 4178,00 | 4347,18 | 4174,86 | 4347,18 | 4178,00 | 4002,90 | 4013,77 | 4181,50 |
| 60,00 | 2995,43 | 2995,29 | 2993,22 | 3192,80 | 2993,22 | 2995,29 | 2995,43 | 3002,65 | 2798,15 |
| 65,00 | 2362,27 | 2598,67 | 2597,15 | 2360,88 | 2597,15 | 2598,67 | 2362,27 | 2368,40 | 2364,64 |
| 70,00 | 2043,87 | 2043,28 | 2042,57 | 2333,78 | 2042,57 | 2043,28 | 2043,87 | 2048,37 | 1753,12 |
| 75,00 | 2314,37 | 1543,17 | 1541,64 | 1542,00 | 1541,64 | 1543,17 | 2314,37 | 2320,37 | 2316,69 |
| 80,00 | 1725,96 | 1724,42 | 1725,30 | 2298,33 | 1725,30 | 1724,42 | 1725,96 | 1728,85 | 1727,31 |
| 85,00 | 3438,79 | 3435,71 | 4578,06 | 4579,16 | 4578,06 | 3435,71 | 3438,79 | 3444,54 | 3441,47 |

| G/C [cd] | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 113124, | 116173, | 115365, | 116196, | 116499, | 116098, |
| 50,00 | 19762,8 | 18187,9 | 13548,3 | 14750,6 | 11185,7 | 11324,8 |
| 55,00 | 4152,66 | 4181,50 | 4013,77 | 4002,90 | 4178,00 | 4347,18 |
| 60,00 | 2778,84 | 2798,15 | 3002,65 | 2995,43 | 2995,29 | 2993,22 |
| 65,00 | 2348,32 | 2364,64 | 2368,40 | 2362,27 | 2598,67 | 2597,15 |
| 70,00 | 1741,03 | 1753,12 | 2048,37 | 2043,87 | 2043,28 | 2042,57 |
| 75,00 | 2300,71 | 2316,69 | 2320,37 | 2314,37 | 1543,17 | 1541,64 |
| 80,00 | 2286,10 | 1727,31 | 1728,85 | 1725,96 | 1724,42 | 1725,30 |
| 85,00 | 2277,40 | 3441,47 | 3444,54 | 3438,79 | 3435,71 | 4578,06 |