

## PHOTOMETRIC RESULTS

|                   |                                |                      |                 |
|-------------------|--------------------------------|----------------------|-----------------|
| <b>Name:</b>      | ELI 50 SPOT /E 1 PB 930 20° LO |                      |                 |
| <b>Number:</b>    | 90703L001                      | <b>Diameter:</b>     | 65 mm           |
| <b>Report:</b>    | 01-06-2022                     | <b>Length:</b>       | 0 mm            |
| <b>Meas.-no.:</b> | 01                             | <b>Width:</b>        | 0 mm            |
| <b>Lamp type:</b> | LED 930 - 01                   | <b>Height:</b>       | 160 mm          |
| <b>Number:</b>    | 1                              | <b>Power:</b>        | 5,01 W          |
| <b>Lamp flux:</b> | 749,00 lm                      | <b>Operator:</b>     | INDELAGUE GROUP |
| <b>Date:</b>      | 01/06/2022 12:16:30            | <b>Output ratio:</b> | 94,8 %          |

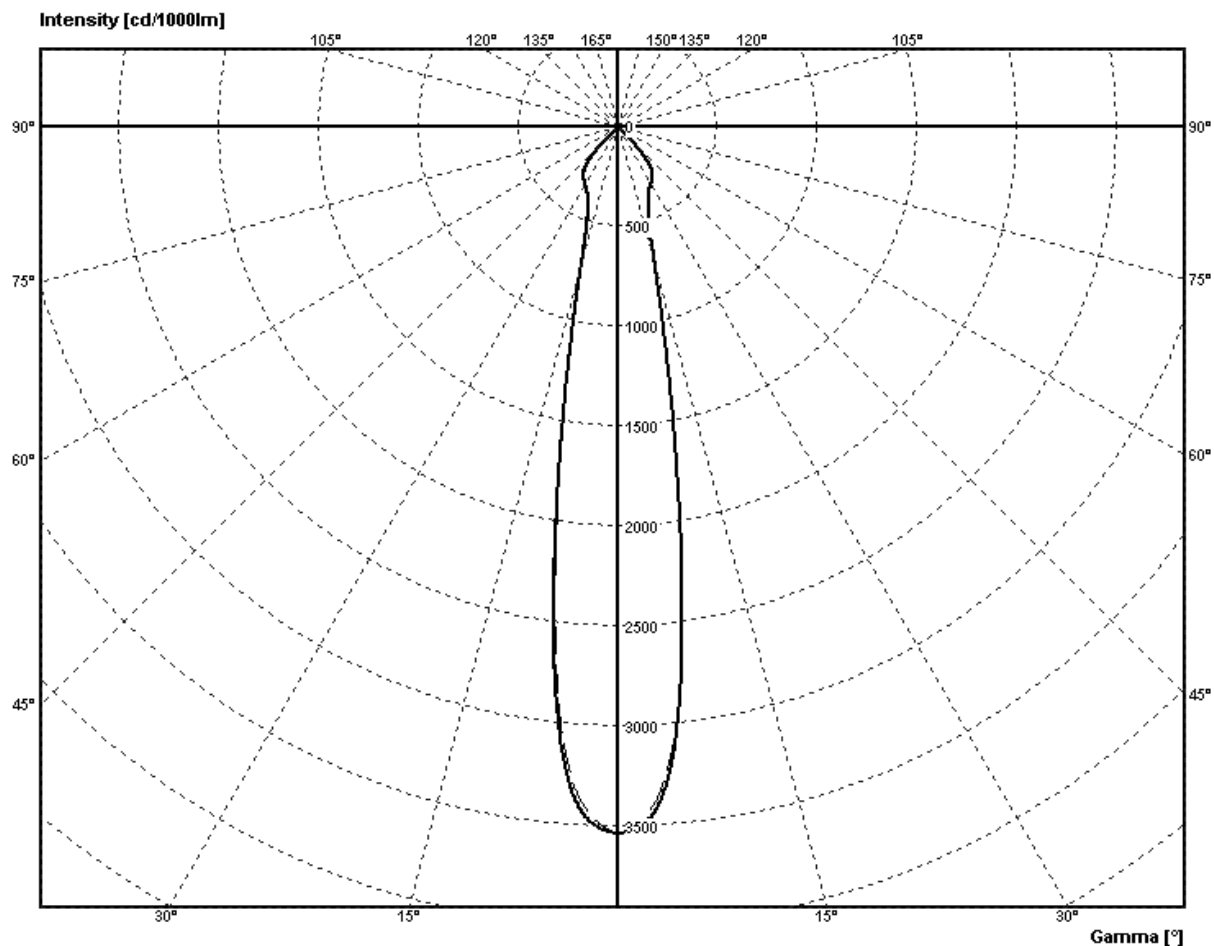
## Info

|  |                           |        |        |        |        |            |        |          |        |        |
|--|---------------------------|--------|--------|--------|--------|------------|--------|----------|--------|--------|
| <b>LiTG-class:</b>   | A60                       |        |        |        |        |            |        |          |        |        |
| <b>UTE-class:</b>  | 0,94 A                    |        |        |        |        |            |        |          |        |        |
| <b>IES-class:</b>  | 91 - 100 - 100 - 100 - 94 |        |        |        |        |            |        |          |        |        |
| <b>TM5-class:</b>  | Not available             |        |        |        |        |            |        |          |        |        |
|  |                           |        |        |        |        |            |        |          |        |        |
| <b>Divergences in the plane through maximum intensity:</b> |                           |        |        |        |        | Horizontal |        | Vertical |        |        |
| <b>One half peak divergence:</b>                           |                           |        |        |        |        | 19,6°      |        | 19,4°    |        |        |
| <b>Half peak side angle (left):</b>                        |                           |        |        |        |        | -11,2°     |        | -9,4°    |        |        |
| <b>Half peak side angle (right):</b>                       |                           |        |        |        |        | 8,3°       |        | 10,0°    |        |        |
| <b>One tenth peak divergence:</b>                          |                           |        |        |        |        | 52,1°      |        | 52,6°    |        |        |
| <b>Tenth peak side angle (left):</b>                       |                           |        |        |        |        | -27,5°     |        | -25,9°   |        |        |
| <b>Tenth peak side angle (right):</b>                      |                           |        |        |        |        | 24,6°      |        | 26,8°    |        |        |
|  |                           |        |        |        |        |            |        |          |        |        |
| <b>C-planes:</b>   | 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° |        |            |        |          |        |        |
|  |                           |        |        |        |        |            |        |          |        |        |
| <b>Gamma:</b>  | 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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| <b>Report:</b>    | 01-06-2022                     | <b>Length:</b>       | 0 mm            |
| <b>Meas.-no.:</b> | 01                             | <b>Width:</b>        | 0 mm            |
| <b>Lamp type:</b> | LED 930 - 01                   | <b>Height:</b>       | 160 mm          |
| <b>Number:</b>    | 1                              | <b>Power:</b>        | 5,01 W          |
| <b>Lamp flux:</b> | 749,00 lm                      | <b>Operator:</b>     | INDELAGUE GROUP |
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Polar diagram ELI 50 SPOT /E 1 PB 930 20° LO / Direct in 15° C / 5° G



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| <b>Report:</b>    | 01-06-2022                     | <b>Length:</b>       | 0 mm            |  |
| <b>Meas.-no.:</b> | 01                             | <b>Width:</b>        | 0 mm            |  |
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| <b>Number:</b>    | 1                              | <b>Power:</b>        | 5,01 W          |  |
| <b>Lamp flux:</b> | 749,00 lm                      | <b>Operator:</b>     | INDELAGUE GROUP |  |
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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  | 22,7             | 23,7 | 23,1 | 24,0 | 24,3 | 22,7           | 23,7 | 23,1 | 24,0 | 24,3 |
| 2H                       | 3H  | 22,5             | 23,4 | 22,9 | 23,7 | 24,0 | 22,5           | 23,4 | 22,9 | 23,7 | 24,0 |
| 2H                       | 4H  | 22,4             | 23,2 | 22,8 | 23,5 | 23,9 | 22,4           | 23,2 | 22,8 | 23,6 | 23,9 |
| 2H                       | 6H  | 22,3             | 23,0 | 22,7 | 23,4 | 23,8 | 22,3           | 23,0 | 22,7 | 23,4 | 23,8 |
| 2H                       | 8H  | 22,2             | 22,9 | 22,6 | 23,3 | 23,7 | 22,2           | 22,9 | 22,7 | 23,3 | 23,7 |
| 2H                       | 12H | 22,2             | 22,8 | 22,6 | 23,2 | 23,6 | 22,2           | 22,8 | 22,6 | 23,2 | 23,6 |
| 4H                       | 2H  | 22,4             | 23,2 | 22,8 | 23,5 | 23,9 | 22,4           | 23,2 | 22,8 | 23,6 | 23,9 |
| 4H                       | 3H  | 22,1             | 22,8 | 22,6 | 23,2 | 23,6 | 22,2           | 22,8 | 22,6 | 23,2 | 23,6 |
| 4H                       | 4H  | 22,1             | 22,6 | 22,5 | 23,1 | 23,5 | 22,1           | 22,6 | 22,5 | 23,1 | 23,5 |
| 4H                       | 6H  | 21,9             | 22,4 | 22,4 | 22,9 | 23,3 | 21,9           | 22,4 | 22,4 | 22,9 | 23,3 |
| 4H                       | 8H  | 21,9             | 22,3 | 22,3 | 22,8 | 23,3 | 21,9           | 22,3 | 22,3 | 22,8 | 23,3 |
| 4H                       | 12H | 21,8             | 22,2 | 22,3 | 22,7 | 23,2 | 21,8           | 22,2 | 22,3 | 22,7 | 23,2 |
| 8H                       | 4H  | 21,9             | 22,3 | 22,3 | 22,8 | 23,3 | 21,9           | 22,3 | 22,3 | 22,8 | 23,3 |
| 8H                       | 6H  | 21,7             | 22,1 | 22,2 | 22,6 | 23,1 | 21,7           | 22,1 | 22,2 | 22,6 | 23,1 |
| 8H                       | 8H  | 21,7             | 22,0 | 22,2 | 22,5 | 23,0 | 21,7           | 22,0 | 22,2 | 22,5 | 23,0 |
| 8H                       | 12H | 21,6             | 21,9 | 22,1 | 22,4 | 22,9 | 21,6           | 21,9 | 22,1 | 22,4 | 22,9 |
| 12H                      | 4H  | 21,8             | 22,2 | 22,3 | 22,7 | 23,2 | 21,8           | 22,2 | 22,3 | 22,7 | 23,2 |
| 12H                      | 6H  | 21,7             | 22,0 | 22,2 | 22,5 | 23,0 | 21,7           | 22,0 | 22,2 | 22,5 | 23,0 |
| 12H                      | 8H  | 21,6             | 21,9 | 22,1 | 22,4 | 22,9 | 21,6           | 21,9 | 22,1 | 22,4 | 22,9 |

UGR values are corrected for lamp flux of 749 lm by -1,0

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Luminance [cd/m<sup>2</sup>] ELI 50 SPOT /E 1 PB 930 20° LO / 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    | 74212,0 | 74192,5 | 74009,2 | 74280,4 | 73899,5 | 74733,5 | 72983,4 | 74733,5 | 73899,5 |
| 50,00    | 6518,62 | 7290,37 | 6992,44 | 9474,71 | 8410,45 | 11188,9 | 12042,9 | 11188,9 | 8410,45 |
| 55,00    | 2782,93 | 2434,45 | 2611,42 | 2437,31 | 2443,38 | 2438,26 | 2422,38 | 2438,26 | 2443,38 |
| 60,00    | 1596,22 | 1794,67 | 1597,90 | 1797,01 | 1802,04 | 1797,95 | 1984,89 | 1797,95 | 1802,04 |
| 65,00    | 1416,37 | 1652,76 | 1653,74 | 1654,42 | 1421,21 | 1418,23 | 1408,99 | 1418,23 | 1421,21 |
| 70,00    | 1166,76 | 1166,47 | 1167,99 | 1167,84 | 1170,75 | 1168,29 | 1160,68 | 1168,29 | 1170,75 |
| 75,00    | 770,92  | 1157,29 | 1156,88 | 1158,20 | 1160,02 | 1158,20 | 766,90  | 1158,20 | 1160,02 |
| 80,00    | 1149,04 | 1148,75 | 1724,31 | 1726,27 | 1728,99 | 1150,54 | 1143,05 | 1150,54 | 1728,99 |
| 85,00    | 2289,33 | 2288,75 | 1147,97 | 2291,44 | 2297,15 | 2292,33 | 2277,40 | 2292,33 | 2297,15 |

| G/C [cd] | 135,00  | 150,00  | 165,00  | 180,00  | 195,00  | 210,00  | 225,00  | 240,00  | 255,00  |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00    | 74280,4 | 74009,2 | 74192,5 | 74212,0 | 74192,5 | 74009,2 | 74280,4 | 73899,5 | 74733,5 |
| 50,00    | 9474,71 | 6992,44 | 7290,37 | 6518,62 | 7290,37 | 6992,44 | 9474,71 | 8410,45 | 11188,9 |
| 55,00    | 2437,31 | 2611,42 | 2434,45 | 2782,93 | 2434,45 | 2611,42 | 2437,31 | 2443,38 | 2438,26 |
| 60,00    | 1797,01 | 1597,90 | 1794,67 | 1596,22 | 1794,67 | 1597,90 | 1797,01 | 1802,04 | 1797,95 |
| 65,00    | 1654,42 | 1653,74 | 1652,76 | 1416,37 | 1652,76 | 1653,74 | 1654,42 | 1421,21 | 1418,23 |
| 70,00    | 1167,84 | 1167,99 | 1166,47 | 1166,76 | 1166,47 | 1167,99 | 1167,84 | 1170,75 | 1168,29 |
| 75,00    | 1158,20 | 1156,88 | 1157,29 | 770,92  | 1157,29 | 1156,88 | 1158,20 | 1160,02 | 1158,20 |
| 80,00    | 1726,27 | 1724,31 | 1148,75 | 1149,04 | 1148,75 | 1724,31 | 1726,27 | 1728,99 | 1150,54 |
| 85,00    | 2291,44 | 1147,97 | 2288,75 | 2289,33 | 2288,75 | 1147,97 | 2291,44 | 2297,15 | 2292,33 |

| G/C [cd] | 270,00  | 285,00  | 300,00  | 315,00  | 330,00  | 345,00  |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00    | 72983,4 | 74733,5 | 73899,5 | 74280,4 | 74009,2 | 74192,5 |
| 50,00    | 12042,9 | 11188,9 | 8410,45 | 9474,71 | 6992,44 | 7290,37 |
| 55,00    | 2422,38 | 2438,26 | 2443,38 | 2437,31 | 2611,42 | 2434,45 |
| 60,00    | 1984,89 | 1797,95 | 1802,04 | 1797,01 | 1597,90 | 1794,67 |
| 65,00    | 1408,99 | 1418,23 | 1421,21 | 1654,42 | 1653,74 | 1652,76 |
| 70,00    | 1160,68 | 1168,29 | 1170,75 | 1167,84 | 1167,99 | 1166,47 |
| 75,00    | 766,90  | 1158,20 | 1160,02 | 1158,20 | 1156,88 | 1157,29 |
| 80,00    | 1143,05 | 1150,54 | 1728,99 | 1726,27 | 1724,31 | 1148,75 |
| 85,00    | 2277,40 | 2292,33 | 2297,15 | 2291,44 | 1147,97 | 2288,75 |