

PHOTOMETRIC RESULTS

| | | | |
|-------------------|--------------------------------------|----------------------|-----------------|
| Name: | ROFY 85 IP /E D0900 GCONTROL+ 840 LO | | |
| Number: | 90572L900 | Diameter: | 923 mm |
| Report: | 21-09-2021 | Length: | 0 mm |
| Meas.-no.: | 01 | Width: | 0 mm |
| Lamp type: | LED 840 - 01 | Height: | 87 mm |
| Number: | 1 | Power: | 54,35 W |
| Lamp flux: | 9480,00 lm | Operator: | INDELAGUE GROUP |
| Date: | 21/09/2021 15:41:16 | Output ratio: | 82,9 % |

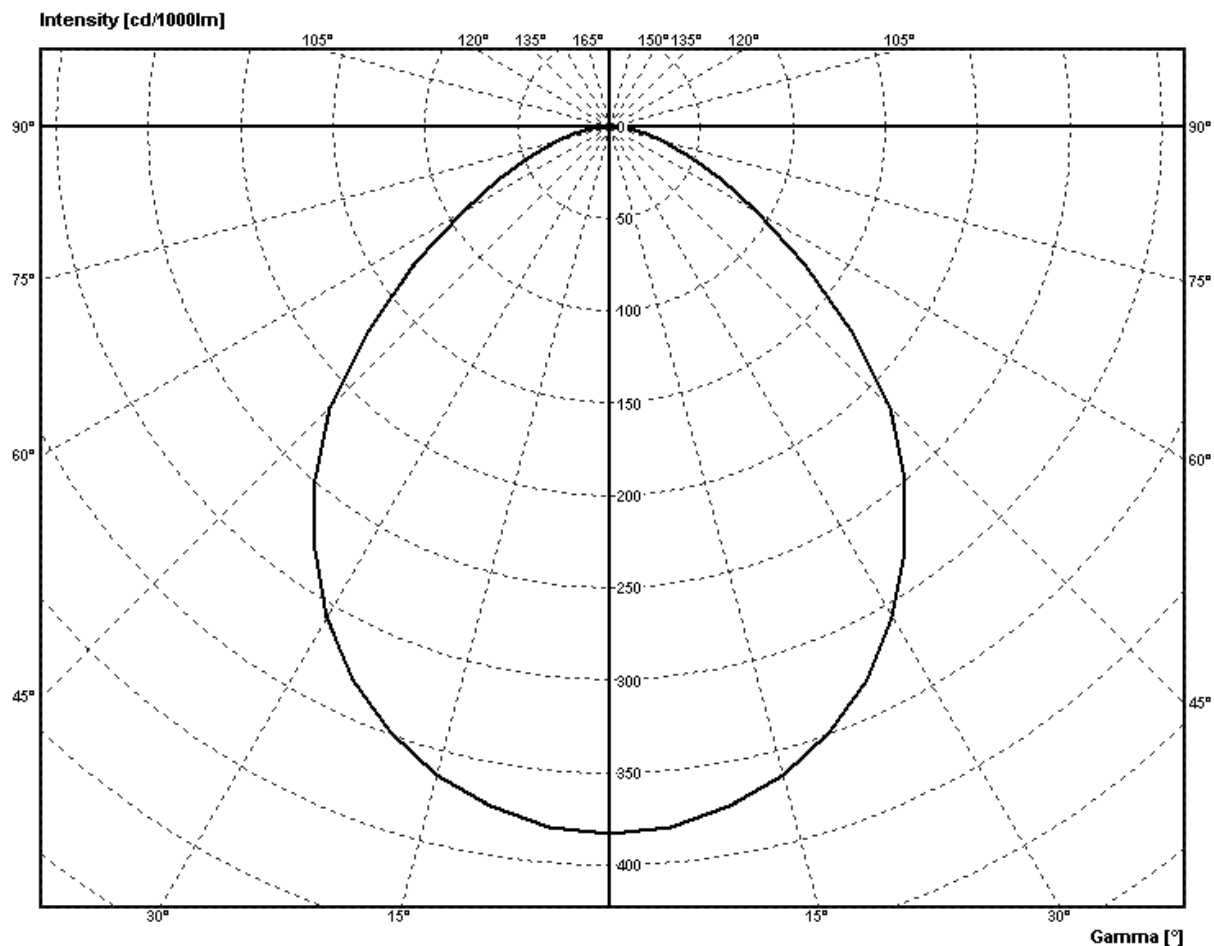
Info

| | | | | | | | | | | |
|---|-------------------------|--------|--------|--------|--------|------------|--------|----------|--------|--------|
| LiTG-class: | A40 | | | | | | | | | |
| UTE-class: | 0,83 D | | | | | | | | | |
| IES-class: | 59 - 88 - 97 - 100 - 83 | | | | | | | | | |
| TM5-class: | BZ2/2.50/BZ3 | | | | | | | | | |
| | | | | | | | | | | |
| Divergences in the plane through maximum intensity: | | | | | | Horizontal | | Vertical | | |
| One half peak divergence: | | | | | | 95,2° | | 95,4° | | |
| Half peak side angle (left): | | | | | | -47,9° | | -47,1° | | |
| Half peak side angle (right): | | | | | | 47,4° | | 48,3° | | |
| One tenth peak divergence: | | | | | | 145,3° | | 145,4° | | |
| Tenth peak side angle (left): | | | | | | -73,0° | | -72,3° | | |
| Tenth peak side angle (right): | | | | | | 72,3° | | 73,1° | | |
| | | | | | | | | | | |
| 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 ROFY 85 IP /E D0900 GCONTROL+ 840 LO / 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 | 15,7 | 17,2 | 16,1 | 17,5 | 17,8 | 15,7 | 17,2 | 16,1 | 17,5 |
| 2H | 3H | 16,4 | 17,7 | 16,8 | 18,1 | 18,4 | 16,4 | 17,7 | 16,8 | 18,1 |
| 2H | 4H | 16,7 | 17,9 | 17,1 | 18,3 | 18,6 | 16,7 | 17,9 | 17,0 | 18,3 |
| 2H | 6H | 16,9 | 18,1 | 17,3 | 18,4 | 18,8 | 16,9 | 18,0 | 17,3 | 18,4 |
| 2H | 8H | 17,0 | 18,1 | 17,4 | 18,4 | 18,8 | 16,9 | 18,0 | 17,3 | 18,4 |
| 2H | 12H | 17,0 | 18,1 | 17,4 | 18,4 | 18,8 | 17,0 | 18,0 | 17,4 | 18,4 |
| 4H | 2H | 15,9 | 17,2 | 16,3 | 17,5 | 17,9 | 15,9 | 17,2 | 16,3 | 17,5 |
| 4H | 3H | 16,7 | 17,8 | 17,1 | 18,2 | 18,6 | 16,7 | 17,8 | 17,1 | 18,2 |
| 4H | 4H | 17,1 | 18,0 | 17,5 | 18,5 | 18,9 | 17,1 | 18,0 | 17,5 | 18,4 |
| 4H | 6H | 17,4 | 18,2 | 17,9 | 18,7 | 19,1 | 17,4 | 18,2 | 17,8 | 18,6 |
| 4H | 8H | 17,5 | 18,3 | 18,0 | 18,7 | 19,2 | 17,5 | 18,3 | 18,0 | 18,7 |
| 4H | 12H | 17,6 | 18,3 | 18,1 | 18,8 | 19,3 | 17,6 | 18,3 | 18,1 | 18,7 |
| 8H | 4H | 17,1 | 17,9 | 17,6 | 18,4 | 18,8 | 17,1 | 17,9 | 17,6 | 18,3 |
| 8H | 6H | 17,5 | 18,2 | 18,0 | 18,6 | 19,1 | 17,5 | 18,1 | 18,0 | 18,6 |
| 8H | 8H | 17,8 | 18,3 | 18,3 | 18,8 | 19,3 | 17,7 | 18,3 | 18,3 | 18,8 |
| 8H | 12H | 17,9 | 18,4 | 18,4 | 18,9 | 19,4 | 17,9 | 18,3 | 18,4 | 18,8 |
| 12H | 4H | 17,2 | 17,9 | 17,6 | 18,3 | 18,8 | 17,1 | 17,8 | 17,6 | 18,3 |
| 12H | 6H | 17,6 | 18,2 | 18,1 | 18,7 | 19,2 | 17,6 | 18,1 | 18,1 | 18,6 |
| 12H | 8H | 17,8 | 18,3 | 18,3 | 18,8 | 19,3 | 17,8 | 18,3 | 18,3 | 18,8 |

UGR values are corrected for lamp flux of 9480 lm by 7,8

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Luminance [cd/m²] ROFY 85 IP /E D0900 GCONTROL+ 840 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 | 4729,90 | 4717,24 | 4707,12 | 4701,90 | 4686,85 | 4703,40 | 4705,62 | 4703,40 | 4686,85 |
| 50,00 | 4141,38 | 4057,32 | 3898,78 | 3826,61 | 3903,57 | 4069,19 | 4141,68 | 4069,19 | 3903,57 |
| 55,00 | 3516,97 | 3288,12 | 2949,91 | 2730,54 | 3000,46 | 3303,47 | 3486,41 | 3303,47 | 3000,46 |
| 60,00 | 2830,00 | 2555,71 | 2320,67 | 2169,67 | 2308,52 | 2528,33 | 2803,23 | 2528,33 | 2308,52 |
| 65,00 | 2450,13 | 2122,23 | 1970,50 | 1912,78 | 1941,72 | 2143,18 | 2469,12 | 2143,18 | 1941,72 |
| 70,00 | 2168,06 | 1862,28 | 1657,73 | 1716,23 | 1668,77 | 1840,69 | 2182,83 | 1840,69 | 1668,77 |
| 75,00 | 1815,53 | 1611,83 | 1447,39 | 1508,17 | 1462,97 | 1548,27 | 1794,86 | 1548,27 | 1462,97 |
| 80,00 | 1769,32 | 1712,88 | 1665,53 | 1631,93 | 1630,38 | 1680,96 | 1774,28 | 1680,96 | 1630,38 |
| 85,00 | 1738,19 | 1752,02 | 1746,19 | 1871,49 | 1721,89 | 1712,74 | 1697,31 | 1712,74 | 1721,89 |

| G/C [cd] | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 4701,90 | 4707,12 | 4717,24 | 4729,90 | 4717,24 | 4707,12 | 4701,90 | 4686,85 | 4703,40 |
| 50,00 | 3826,61 | 3898,78 | 4057,32 | 4141,38 | 4057,32 | 3898,78 | 3826,61 | 3903,57 | 4069,19 |
| 55,00 | 2730,54 | 2949,91 | 3288,12 | 3516,97 | 3288,12 | 2949,91 | 2730,54 | 3000,46 | 3303,47 |
| 60,00 | 2169,67 | 2320,67 | 2555,71 | 2830,00 | 2555,71 | 2320,67 | 2169,67 | 2308,52 | 2528,33 |
| 65,00 | 1912,78 | 1970,50 | 2122,23 | 2450,13 | 2122,23 | 1970,50 | 1912,78 | 1941,72 | 2143,18 |
| 70,00 | 1716,23 | 1657,73 | 1862,28 | 2168,06 | 1862,28 | 1657,73 | 1716,23 | 1668,77 | 1840,69 |
| 75,00 | 1508,17 | 1447,39 | 1611,83 | 1815,53 | 1611,83 | 1447,39 | 1508,17 | 1462,97 | 1548,27 |
| 80,00 | 1631,93 | 1665,53 | 1712,88 | 1769,32 | 1712,88 | 1665,53 | 1631,93 | 1630,38 | 1680,96 |
| 85,00 | 1871,49 | 1746,19 | 1752,02 | 1738,19 | 1752,02 | 1746,19 | 1871,49 | 1721,89 | 1712,74 |

| G/C [cd] | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 4705,62 | 4703,40 | 4686,85 | 4701,90 | 4707,12 | 4717,24 |
| 50,00 | 4141,68 | 4069,19 | 3903,57 | 3826,61 | 3898,78 | 4057,32 |
| 55,00 | 3486,41 | 3303,47 | 3000,46 | 2730,54 | 2949,91 | 3288,12 |
| 60,00 | 2803,23 | 2528,33 | 2308,52 | 2169,67 | 2320,67 | 2555,71 |
| 65,00 | 2469,12 | 2143,18 | 1941,72 | 1912,78 | 1970,50 | 2122,23 |
| 70,00 | 2182,83 | 1840,69 | 1668,77 | 1716,23 | 1657,73 | 1862,28 |
| 75,00 | 1794,86 | 1548,27 | 1462,97 | 1508,17 | 1447,39 | 1611,83 |
| 80,00 | 1774,28 | 1680,96 | 1630,38 | 1631,93 | 1665,53 | 1712,88 |
| 85,00 | 1697,31 | 1712,74 | 1721,89 | 1871,49 | 1746,19 | 1752,02 |