

PHOTOMETRIC RESULTS

| | | | |
|-------------------|--|----------------------|------------------|
| Name: | REBA 50 /E EXT LINE L2524 MID+INT SYM BGLARE 830 HO | | |
| Number: | 90506+90498L009 | Diameter: | 0 mm |
| Report: | 24-01-2020 | Length: | 2524 mm |
| Meas.-no.: | 01 | Width: | 62 mm |
| Lamp type: | LED 830 - 01 | Height: | 72 mm |
| Number: | 1 | Power: | 65,74 W |
| Lamp flux: | 9720,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 24-01-2020 14:42:44 | Output ratio: | 62,2 % |

Protocol

LiTG-class: A50
UTE-class: 0,62 C
IES-class: 63 - 88 - 97 - 100 - 62
TM5-class: BZ2/1.50/BZ3/2.00/BZ2/2.50/BZ3

Divergences in the plane through maximum intensity:

| | Horizontal | Vertical |
|-------------------------------|------------|----------|
| One half peak divergence | 80,9° | 80,3° |
| Half peak side angle (left) | -40,5° | -40,1° |
| Half peak side angle (right) | 40,5° | 40,1° |
| One tenth peak divergence | 133,0° | 138,4° |
| Tenth peak side angle (left) | -66,5° | -69,2° |
| Tenth peak side angle (right) | 66,5° | 69,2° |

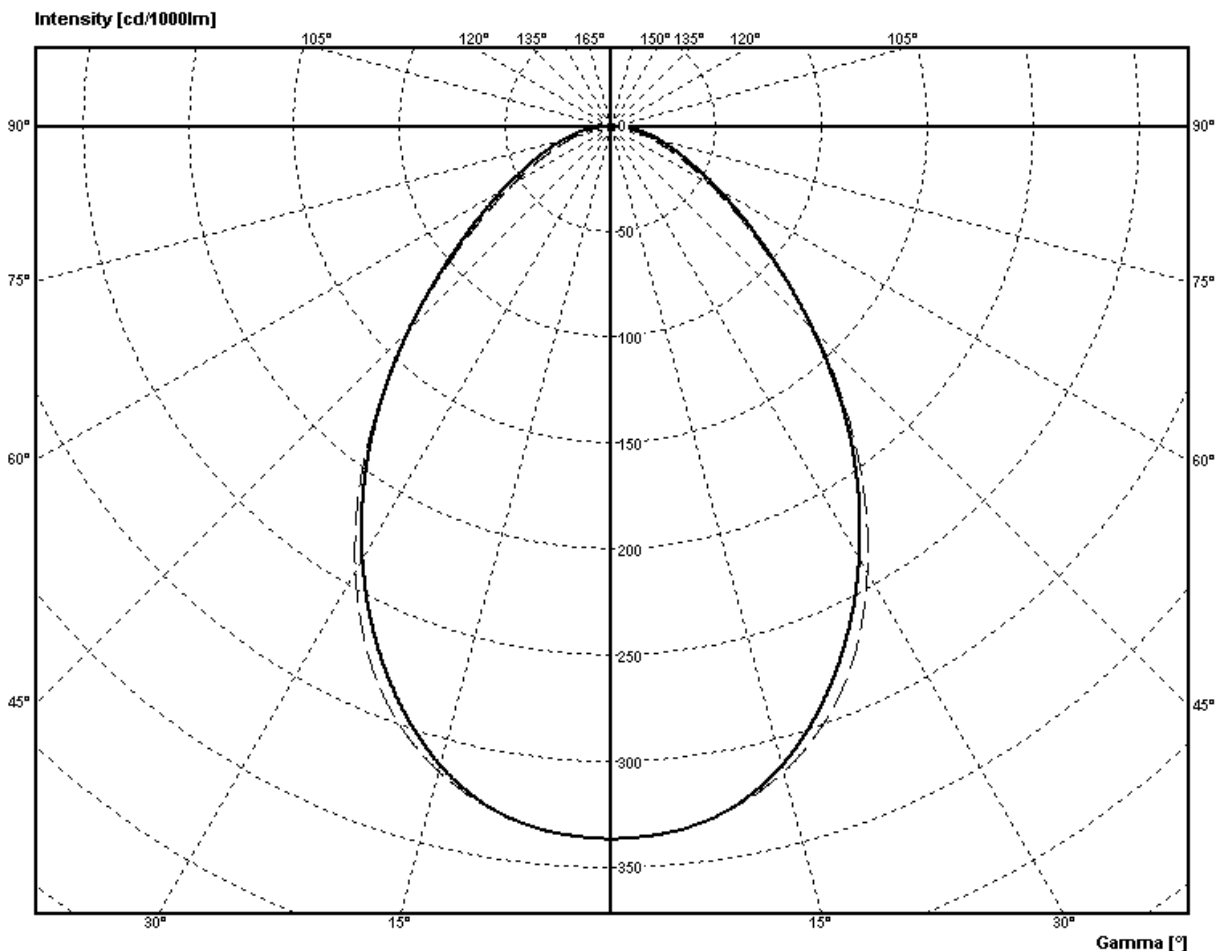
| | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| C-planes: | 0,0° | 15,0° | 30,0° | 45,0° | 60,0° | 75,0° | 90,0° | 105,0° | 120,0° | 135,0° |
| | 150,0° | 165,0° | 180,0° | 195,0° | 210,0° | 225,0° | 240,0° | 255,0° | 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 REBA 50 /E EXT LINE L2524 MID+INT SYM BGLARE 830 HO / Direct im
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 | 16,8 | 18,2 | 17,2 | 18,6 | 18,9 | 18,5 | 20,0 | 18,9 | 20,3 | 20,6 |
| 2H | 3H | 17,3 | 18,6 | 17,7 | 18,9 | 19,3 | 19,1 | 20,4 | 19,5 | 20,8 | 21,1 |
| 2H | 4H | 17,5 | 18,7 | 17,8 | 19,0 | 19,4 | 19,4 | 20,6 | 19,8 | 20,9 | 21,3 |
| 2H | 6H | 17,6 | 18,7 | 18,0 | 19,1 | 19,5 | 19,6 | 20,7 | 20,0 | 21,1 | 21,5 |
| 2H | 8H | 17,6 | 18,6 | 18,0 | 19,0 | 19,4 | 19,6 | 20,7 | 20,0 | 21,1 | 21,5 |
| 2H | 12H | 17,6 | 18,6 | 18,0 | 19,0 | 19,4 | 19,6 | 20,6 | 20,0 | 21,0 | 21,4 |
| 4H | 2H | 17,1 | 18,3 | 17,5 | 18,7 | 19,1 | 18,6 | 19,8 | 19,0 | 20,2 | 20,6 |
| 4H | 3H | 17,7 | 18,7 | 18,1 | 19,1 | 19,5 | 19,3 | 20,3 | 19,7 | 20,7 | 21,1 |
| 4H | 4H | 18,0 | 18,9 | 18,4 | 19,3 | 19,8 | 19,7 | 20,6 | 20,1 | 21,0 | 21,4 |
| 4H | 6H | 18,2 | 19,0 | 18,6 | 19,4 | 19,8 | 19,9 | 20,7 | 20,3 | 21,1 | 21,6 |
| 4H | 8H | 18,2 | 18,9 | 18,7 | 19,4 | 19,9 | 20,0 | 20,7 | 20,4 | 21,2 | 21,6 |
| 4H | 12H | 18,2 | 18,9 | 18,7 | 19,4 | 19,9 | 20,0 | 20,7 | 20,5 | 21,2 | 21,7 |
| 8H | 4H | 18,1 | 18,8 | 18,5 | 19,3 | 19,7 | 19,6 | 20,4 | 20,1 | 20,8 | 21,3 |
| 8H | 6H | 18,3 | 18,9 | 18,8 | 19,4 | 19,9 | 19,9 | 20,5 | 20,4 | 21,0 | 21,5 |
| 8H | 8H | 18,4 | 18,9 | 18,9 | 19,5 | 19,9 | 20,1 | 20,6 | 20,6 | 21,1 | 21,6 |
| 8H | 12H | 18,4 | 18,9 | 19,0 | 19,4 | 19,9 | 20,1 | 20,6 | 20,7 | 21,1 | 21,6 |
| 12H | 4H | 18,1 | 18,8 | 18,5 | 19,2 | 19,7 | 19,6 | 20,3 | 20,1 | 20,8 | 21,3 |
| 12H | 6H | 18,3 | 18,9 | 18,8 | 19,4 | 19,9 | 19,9 | 20,5 | 20,5 | 21,0 | 21,5 |
| 12H | 8H | 18,4 | 18,9 | 18,9 | 19,4 | 19,9 | 20,1 | 20,5 | 20,6 | 21,0 | 21,5 |

UGR values are corrected for lamp flux of 9720 lm by 7,9

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Luminance [cd/m²] REBA 50 /E EXT LINE L2524 MID+INT SYM BGLARE 830 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 | 6214,10 | 6336,79 | 6934,61 | 7873,22 | 9145,04 | 11272,8 | 15595,8 | 11272,8 | 9145,04 |
| 50,00 | 4697,82 | 4785,52 | 5209,71 | 5969,27 | 7008,05 | 8746,96 | 12668,4 | 8746,96 | 7008,05 |
| 55,00 | 3510,45 | 3564,19 | 3930,65 | 4436,37 | 5253,89 | 6649,57 | 10262,3 | 6649,57 | 5253,89 |
| 60,00 | 2628,63 | 2635,28 | 2946,54 | 3279,63 | 3906,78 | 5027,64 | 8425,03 | 5027,64 | 3906,78 |
| 65,00 | 1952,34 | 1954,36 | 2165,15 | 2404,39 | 2892,81 | 3827,91 | 6934,30 | 3827,91 | 2892,81 |
| 70,00 | 1470,57 | 1493,35 | 1629,41 | 1791,89 | 2163,11 | 2917,23 | 5802,48 | 2917,23 | 2163,11 |
| 75,00 | 1090,50 | 1121,07 | 1203,16 | 1315,65 | 1591,41 | 2249,99 | 5044,36 | 2249,99 | 1591,41 |
| 80,00 | 747,98 | 745,35 | 822,39 | 879,15 | 1096,16 | 1614,63 | 4342,72 | 1614,63 | 1096,16 |
| 85,00 | 401,76 | 406,51 | 455,43 | 477,38 | 595,61 | 889,29 | 3414,12 | 889,29 | 595,61 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 7873,22 | 6934,61 | 6336,79 | 6214,10 | 6336,79 | 6934,61 | 7873,22 | 9145,04 | 11272,8 |
| 50,00 | 5969,27 | 5209,71 | 4785,52 | 4697,82 | 4785,52 | 5209,71 | 5969,27 | 7008,05 | 8746,96 |
| 55,00 | 4436,37 | 3930,65 | 3564,19 | 3510,45 | 3564,19 | 3930,65 | 4436,37 | 5253,89 | 6649,57 |
| 60,00 | 3279,63 | 2946,54 | 2635,28 | 2628,63 | 2635,28 | 2946,54 | 3279,63 | 3906,78 | 5027,64 |
| 65,00 | 2404,39 | 2165,15 | 1954,36 | 1952,34 | 1954,36 | 2165,15 | 2404,39 | 2892,81 | 3827,91 |
| 70,00 | 1791,89 | 1629,41 | 1493,35 | 1470,57 | 1493,35 | 1629,41 | 1791,89 | 2163,11 | 2917,23 |
| 75,00 | 1315,65 | 1203,16 | 1121,07 | 1090,50 | 1121,07 | 1203,16 | 1315,65 | 1591,41 | 2249,99 |
| 80,00 | 879,15 | 822,39 | 745,35 | 747,98 | 745,35 | 822,39 | 879,15 | 1096,16 | 1614,63 |
| 85,00 | 477,38 | 455,43 | 406,51 | 401,76 | 406,51 | 455,43 | 477,38 | 595,61 | 889,29 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 15595,8 | 11272,8 | 9145,04 | 7873,22 | 6934,61 | 6336,79 |
| 50,00 | 12668,4 | 8746,96 | 7008,05 | 5969,27 | 5209,71 | 4785,52 |
| 55,00 | 10262,3 | 6649,57 | 5253,89 | 4436,37 | 3930,65 | 3564,19 |
| 60,00 | 8425,03 | 5027,64 | 3906,78 | 3279,63 | 2946,54 | 2635,28 |
| 65,00 | 6934,30 | 3827,91 | 2892,81 | 2404,39 | 2165,15 | 1954,36 |
| 70,00 | 5802,48 | 2917,23 | 2163,11 | 1791,89 | 1629,41 | 1493,35 |
| 75,00 | 5044,36 | 2249,99 | 1591,41 | 1315,65 | 1203,16 | 1121,07 |
| 80,00 | 4342,72 | 1614,63 | 1096,16 | 879,15 | 822,39 | 745,35 |
| 85,00 | 3414,12 | 889,29 | 595,61 | 477,38 | 455,43 | 406,51 |

HEADQUARTERS

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