

PHOTOMETRIC RESULTS

| | | | |
|-------------------|------------------------------------------------------------|----------------------|------------------|
| Name: | REBA 50 /E EXT LINE L0562 MID+INT SYM BGLARE 840 HO | | |
| Number: | 90506+90498L002 | Diameter: | 0 mm |
| Report: | 23-01-2020 | Length: | 562 mm |
| Meas.-no.: | 01 | Width: | 62 mm |
| Lamp type: | LED 840 - 01 | Height: | 72 mm |
| Number: | 1 | Power: | 14,71 W |
| Lamp flux: | 2360,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 23-01-2020 18:11:29 | Output ratio: | 65,0 % |

Protocol

LiTG-class: A50
UTE-class: 0,65 C
IES-class: 62 - 88 - 97 - 100 - 65
TM5-class: BZ2/1.00/BZ3

Divergences in the plane through maximum intensity:

| | Horizontal | Vertical |
|-------------------------------|------------|----------|
| One half peak divergence | 79,8° | 79,8° |
| Half peak side angle (left) | -39,9° | -39,9° |
| Half peak side angle (right) | 39,9° | 39,9° |
| One tenth peak divergence | 134,7° | 140,8° |
| Tenth peak side angle (left) | -67,3° | -70,4° |
| Tenth peak side angle (right) | 67,3° | 70,4° |

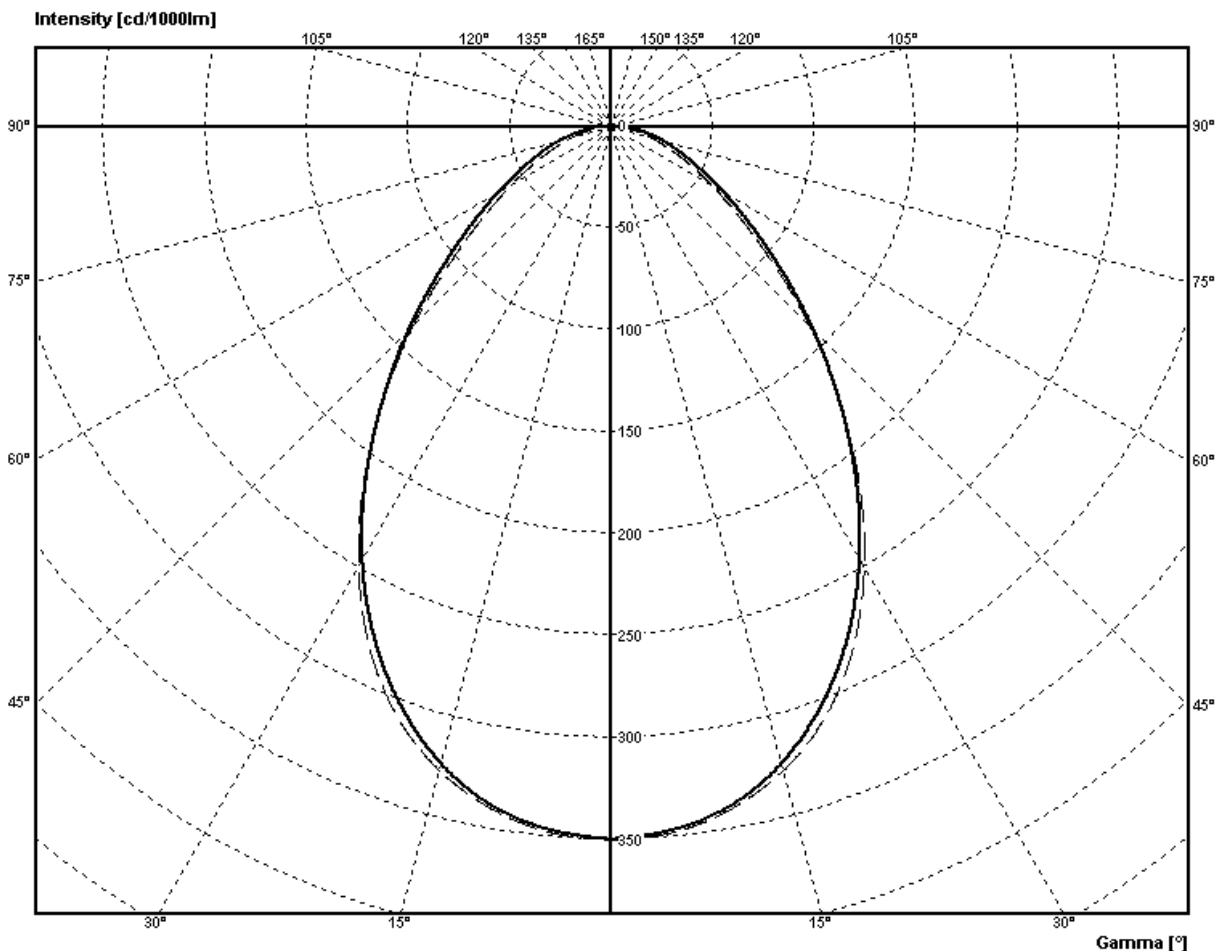
| | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| C-planes: | 0,0° | 15,0° | 30,0° | 45,0° | 60,0° | 75,0° | 90,0° | 105,0° | 120,0° | 135,0° |
| | 150,0° | 165,0° | 180,0° | 195,0° | 210,0° | 225,0° | 240,0° | 255,0° | 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 L0562 MID+INT SYM BGLARE 840 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 | 17,3 | 18,7 | 17,6 | 19,0 | 19,3 | 18,7 | 20,2 | 19,1 | 20,5 | 20,8 |
| 2H | 3H | 17,8 | 19,1 | 18,2 | 19,4 | 19,8 | 19,3 | 20,6 | 19,7 | 21,0 | 21,3 |
| 2H | 4H | 18,0 | 19,2 | 18,4 | 19,6 | 19,9 | 19,6 | 20,8 | 20,0 | 21,2 | 21,5 |
| 2H | 6H | 18,2 | 19,3 | 18,6 | 19,7 | 20,1 | 19,8 | 20,9 | 20,2 | 21,3 | 21,7 |
| 2H | 8H | 18,2 | 19,2 | 18,6 | 19,6 | 20,0 | 19,8 | 20,9 | 20,2 | 21,2 | 21,7 |
| 2H | 12H | 18,1 | 19,2 | 18,6 | 19,6 | 20,0 | 19,8 | 20,8 | 20,2 | 21,2 | 21,6 |
| 4H | 2H | 17,6 | 18,8 | 18,0 | 19,1 | 19,5 | 18,8 | 20,1 | 19,2 | 20,4 | 20,8 |
| 4H | 3H | 18,2 | 19,3 | 18,7 | 19,7 | 20,1 | 19,6 | 20,6 | 20,0 | 21,0 | 21,4 |
| 4H | 4H | 18,6 | 19,5 | 19,0 | 19,9 | 20,3 | 19,9 | 20,8 | 20,4 | 21,2 | 21,7 |
| 4H | 6H | 18,8 | 19,6 | 19,2 | 20,0 | 20,5 | 20,1 | 20,9 | 20,6 | 21,4 | 21,8 |
| 4H | 8H | 18,8 | 19,6 | 19,3 | 20,0 | 20,5 | 20,2 | 20,9 | 20,7 | 21,4 | 21,9 |
| 4H | 12H | 18,9 | 19,6 | 19,3 | 20,0 | 20,5 | 20,2 | 20,9 | 20,7 | 21,4 | 21,9 |
| 8H | 4H | 18,6 | 19,4 | 19,1 | 19,8 | 20,3 | 19,9 | 20,7 | 20,4 | 21,1 | 21,6 |
| 8H | 6H | 18,9 | 19,5 | 19,4 | 20,0 | 20,5 | 20,2 | 20,8 | 20,6 | 21,3 | 21,8 |
| 8H | 8H | 19,0 | 19,6 | 19,6 | 20,1 | 20,6 | 20,3 | 20,9 | 20,8 | 21,4 | 21,9 |
| 8H | 12H | 19,1 | 19,6 | 19,6 | 20,1 | 20,6 | 20,4 | 20,8 | 20,9 | 21,3 | 21,9 |
| 12H | 4H | 18,6 | 19,3 | 19,1 | 19,8 | 20,3 | 19,9 | 20,6 | 20,4 | 21,0 | 21,5 |
| 12H | 6H | 18,9 | 19,5 | 19,5 | 20,0 | 20,5 | 20,2 | 20,7 | 20,7 | 21,3 | 21,7 |
| 12H | 8H | 19,1 | 19,5 | 19,6 | 20,0 | 20,5 | 20,3 | 20,8 | 20,8 | 21,3 | 21,8 |

UGR values are corrected for lamp flux of 2360 lm by 3,0

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Luminance [cd/m²] REBA 50 /E EXT LINE L0562 MID+INT SYM BGLARE 840 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 | 7064,69 | 7145,88 | 7674,73 | 8572,43 | 9827,51 | 11778,4 | 15706,5 | 11778,4 | 9827,51 |
| 50,00 | 5424,29 | 5454,24 | 5796,71 | 6526,36 | 7583,51 | 9181,63 | 12695,9 | 9181,63 | 7583,51 |
| 55,00 | 4120,26 | 4104,68 | 4397,35 | 4895,33 | 5728,80 | 7041,76 | 10225,7 | 7041,76 | 5728,80 |
| 60,00 | 3137,21 | 3063,23 | 3331,68 | 3641,65 | 4317,15 | 5418,13 | 8386,46 | 5418,13 | 4317,15 |
| 65,00 | 2373,03 | 2321,07 | 2504,88 | 2691,24 | 3228,96 | 4137,10 | 6885,38 | 4137,10 | 3228,96 |
| 70,00 | 1800,25 | 1797,75 | 1905,93 | 2011,87 | 2403,07 | 3129,12 | 5626,81 | 3129,12 | 2403,07 |
| 75,00 | 1354,11 | 1362,14 | 1436,00 | 1497,03 | 1770,56 | 2380,76 | 4603,83 | 2380,76 | 1770,56 |
| 80,00 | 924,25 | 939,40 | 997,13 | 1034,32 | 1221,04 | 1659,86 | 3471,31 | 1659,86 | 1221,04 |
| 85,00 | 509,72 | 508,04 | 555,23 | 562,22 | 661,60 | 900,72 | 2050,07 | 900,72 | 661,60 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 8572,43 | 7674,73 | 7145,88 | 7064,69 | 7145,88 | 7674,73 | 8572,43 | 9827,51 | 11778,4 |
| 50,00 | 6526,36 | 5796,71 | 5454,24 | 5424,29 | 5454,24 | 5796,71 | 6526,36 | 7583,51 | 9181,63 |
| 55,00 | 4895,33 | 4397,35 | 4104,68 | 4120,26 | 4104,68 | 4397,35 | 4895,33 | 5728,80 | 7041,76 |
| 60,00 | 3641,65 | 3331,68 | 3063,23 | 3137,21 | 3063,23 | 3331,68 | 3641,65 | 4317,15 | 5418,13 |
| 65,00 | 2691,24 | 2504,88 | 2321,07 | 2373,03 | 2321,07 | 2504,88 | 2691,24 | 3228,96 | 4137,10 |
| 70,00 | 2011,87 | 1905,93 | 1797,75 | 1800,25 | 1797,75 | 1905,93 | 2011,87 | 2403,07 | 3129,12 |
| 75,00 | 1497,03 | 1436,00 | 1362,14 | 1354,11 | 1362,14 | 1436,00 | 1497,03 | 1770,56 | 2380,76 |
| 80,00 | 1034,32 | 997,13 | 939,40 | 924,25 | 939,40 | 997,13 | 1034,32 | 1221,04 | 1659,86 |
| 85,00 | 562,22 | 555,23 | 508,04 | 509,72 | 508,04 | 555,23 | 562,22 | 661,60 | 900,72 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 15706,5 | 11778,4 | 9827,51 | 8572,43 | 7674,73 | 7145,88 |
| 50,00 | 12695,9 | 9181,63 | 7583,51 | 6526,36 | 5796,71 | 5454,24 |
| 55,00 | 10225,7 | 7041,76 | 5728,80 | 4895,33 | 4397,35 | 4104,68 |
| 60,00 | 8386,46 | 5418,13 | 4317,15 | 3641,65 | 3331,68 | 3063,23 |
| 65,00 | 6885,38 | 4137,10 | 3228,96 | 2691,24 | 2504,88 | 2321,07 |
| 70,00 | 5626,81 | 3129,12 | 2403,07 | 2011,87 | 1905,93 | 1797,75 |
| 75,00 | 4603,83 | 2380,76 | 1770,56 | 1497,03 | 1436,00 | 1362,14 |
| 80,00 | 3471,31 | 1659,86 | 1221,04 | 1034,32 | 997,13 | 939,40 |
| 85,00 | 2050,07 | 900,72 | 661,60 | 562,22 | 555,23 | 508,04 |

HEADQUARTERS

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