

PHOTOMETRIC RESULTS

| | | | |
|------------|--|---------------|------------------|
| Name: | REBA 50 EXT L2260+INT SYM BGLARE K3 840 HO | | |
| Number: | 90517+90498L008 | Diameter: | 0 mm |
| Report: | 24-01-2020 | Length: | 2260 mm |
| Meas.-no.: | 01 | Width: | 50 mm |
| Lamp type: | LED 840 - 01 | Height: | 72 mm |
| Number: | 01 | Power: | 57,62 W |
| Lamp flux: | 9440,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 24-01-2020 12:15:48 | Output ratio: | 62,0 % |

Protocol

LiTG-class: A50
UTE-class: 0,62 C
IES-class: 63 - 88 - 97 - 100 - 62
TM5-class: BZ2/1.25/BZ3/2.00/BZ2/2.50/BZ3

Divergences in the plane through maximum intensity:

| | Horizontal | Vertical |
|-------------------------------|------------|----------|
| One half peak divergence | 81,1° | 80,4° |
| Half peak side angle (left) | -40,6° | -40,2° |
| Half peak side angle (right) | 40,6° | 40,2° |
| One tenth peak divergence | 133,4° | 138,5° |
| Tenth peak side angle (left) | -66,7° | -69,2° |
| Tenth peak side angle (right) | 66,7° | 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 EXT L2260+INT SYM BGLARE K3 840 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 | 17,1 | 18,5 | 17,5 | 18,9 | 19,2 | 18,8 | 20,3 | 19,2 | 20,6 | 20,9 |
| 2H | 3H | 17,6 | 18,9 | 18,0 | 19,2 | 19,6 | 19,4 | 20,7 | 19,8 | 21,1 | 21,4 |
| 2H | 4H | 17,8 | 19,0 | 18,1 | 19,3 | 19,7 | 19,7 | 20,9 | 20,1 | 21,2 | 21,6 |
| 2H | 6H | 17,9 | 19,0 | 18,3 | 19,4 | 19,8 | 19,9 | 21,0 | 20,3 | 21,4 | 21,8 |
| 2H | 8H | 17,9 | 19,0 | 18,3 | 19,3 | 19,7 | 19,9 | 21,0 | 20,3 | 21,4 | 21,8 |
| 2H | 12H | 17,9 | 18,9 | 18,3 | 19,3 | 19,7 | 19,9 | 21,0 | 20,3 | 21,4 | 21,8 |
| 4H | 2H | 17,4 | 18,6 | 17,8 | 19,0 | 19,3 | 18,9 | 20,1 | 19,3 | 20,5 | 20,9 |
| 4H | 3H | 18,0 | 19,0 | 18,4 | 19,4 | 19,8 | 19,6 | 20,7 | 20,0 | 21,0 | 21,5 |
| 4H | 4H | 18,3 | 19,2 | 18,7 | 19,6 | 20,1 | 20,0 | 20,9 | 20,4 | 21,3 | 21,7 |
| 4H | 6H | 18,5 | 19,3 | 18,9 | 19,7 | 20,1 | 20,2 | 21,0 | 20,7 | 21,4 | 21,9 |
| 4H | 8H | 18,5 | 19,2 | 19,0 | 19,7 | 20,2 | 20,3 | 21,0 | 20,8 | 21,5 | 21,9 |
| 4H | 12H | 18,5 | 19,2 | 19,0 | 19,7 | 20,2 | 20,4 | 21,0 | 20,8 | 21,5 | 22,0 |
| 8H | 4H | 18,4 | 19,1 | 18,8 | 19,6 | 20,0 | 20,0 | 20,7 | 20,4 | 21,2 | 21,6 |
| 8H | 6H | 18,6 | 19,2 | 19,1 | 19,7 | 20,2 | 20,2 | 20,8 | 20,7 | 21,3 | 21,8 |
| 8H | 8H | 18,7 | 19,2 | 19,2 | 19,8 | 20,2 | 20,4 | 20,9 | 20,9 | 21,4 | 21,9 |
| 8H | 12H | 18,7 | 19,2 | 19,3 | 19,7 | 20,2 | 20,5 | 20,9 | 21,0 | 21,4 | 21,9 |
| 12H | 4H | 18,4 | 19,1 | 18,8 | 19,5 | 20,0 | 19,9 | 20,6 | 20,4 | 21,1 | 21,6 |
| 12H | 6H | 18,6 | 19,2 | 19,1 | 19,7 | 20,2 | 20,3 | 20,8 | 20,8 | 21,3 | 21,8 |
| 12H | 8H | 18,7 | 19,2 | 19,2 | 19,7 | 20,2 | 20,4 | 20,8 | 20,9 | 21,3 | 21,9 |

UGR values are corrected for lamp flux of 9440 lm by 7,8

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Luminance [cd/m²] REBA 50 EXT L2260+INT SYM BGLARE K3 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 | 6741,81 | 6898,59 | 7537,48 | 8565,05 | 9950,77 | 12284,5 | 16963,4 | 12284,5 | 9950,77 |
| 50,00 | 5110,15 | 5209,10 | 5663,00 | 6496,63 | 7655,33 | 9529,74 | 13805,1 | 9529,74 | 7655,33 |
| 55,00 | 3823,66 | 3879,33 | 4278,47 | 4831,23 | 5720,60 | 7242,63 | 11126,4 | 7242,63 | 5720,60 |
| 60,00 | 2859,98 | 2876,02 | 3218,60 | 3548,72 | 4267,48 | 5524,00 | 9139,43 | 5524,00 | 4267,48 |
| 65,00 | 2131,77 | 2138,37 | 2361,89 | 2625,62 | 3171,41 | 4176,55 | 7558,12 | 4176,55 | 3171,41 |
| 70,00 | 1598,05 | 1631,76 | 1775,98 | 1954,50 | 2369,15 | 3184,39 | 6318,90 | 3184,39 | 2369,15 |
| 75,00 | 1191,25 | 1224,58 | 1312,70 | 1441,24 | 1740,68 | 2450,05 | 5486,59 | 2450,05 | 1740,68 |
| 80,00 | 813,43 | 816,69 | 895,30 | 962,69 | 1192,35 | 1766,06 | 4719,91 | 1766,06 | 1192,35 |
| 85,00 | 437,87 | 443,69 | 495,88 | 520,21 | 649,54 | 973,04 | 3701,71 | 973,04 | 649,54 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 8565,05 | 7537,48 | 6898,59 | 6741,81 | 6898,59 | 7537,48 | 8565,05 | 9950,77 | 12284,5 |
| 50,00 | 6496,63 | 5663,00 | 5209,10 | 5110,15 | 5209,10 | 5663,00 | 6496,63 | 7655,33 | 9529,74 |
| 55,00 | 4831,23 | 4278,47 | 3879,33 | 3823,66 | 3879,33 | 4278,47 | 4831,23 | 5720,60 | 7242,63 |
| 60,00 | 3548,72 | 3218,60 | 2876,02 | 2859,98 | 2876,02 | 3218,60 | 3548,72 | 4267,48 | 5524,00 |
| 65,00 | 2625,62 | 2361,89 | 2138,37 | 2131,77 | 2138,37 | 2361,89 | 2625,62 | 3171,41 | 4176,55 |
| 70,00 | 1954,50 | 1775,98 | 1631,76 | 1598,05 | 1631,76 | 1775,98 | 1954,50 | 2369,15 | 3184,39 |
| 75,00 | 1441,24 | 1312,70 | 1224,58 | 1191,25 | 1224,58 | 1312,70 | 1441,24 | 1740,68 | 2450,05 |
| 80,00 | 962,69 | 895,30 | 816,69 | 813,43 | 816,69 | 895,30 | 962,69 | 1192,35 | 1766,06 |
| 85,00 | 520,21 | 495,88 | 443,69 | 437,87 | 443,69 | 495,88 | 520,21 | 649,54 | 973,04 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 16963,4 | 12284,5 | 9950,77 | 8565,05 | 7537,48 | 6898,59 |
| 50,00 | 13805,1 | 9529,74 | 7655,33 | 6496,63 | 5663,00 | 5209,10 |
| 55,00 | 11126,4 | 7242,63 | 5720,60 | 4831,23 | 4278,47 | 3879,33 |
| 60,00 | 9139,43 | 5524,00 | 4267,48 | 3548,72 | 3218,60 | 2876,02 |
| 65,00 | 7558,12 | 4176,55 | 3171,41 | 2625,62 | 2361,89 | 2138,37 |
| 70,00 | 6318,90 | 3184,39 | 2369,15 | 1954,50 | 1775,98 | 1631,76 |
| 75,00 | 5486,59 | 2450,05 | 1740,68 | 1441,24 | 1312,70 | 1224,58 |
| 80,00 | 4719,91 | 1766,06 | 1192,35 | 962,69 | 895,30 | 816,69 |
| 85,00 | 3701,71 | 973,04 | 649,54 | 520,21 | 495,88 | 443,69 |

HEADQUARTERS

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