

PHOTOMETRIC RESULTS

| | | | |
|------------|--|---------------|------------------|
| Name: | REBA 50 /T EXT L1718+INT SYM BLINE K3 830 HO | | |
| Number: | 90519+90497L006 | Diameter: | 0 mm |
| Report: | 21-01-2020 | Length: | 1718 mm |
| Meas.-no.: | 01 | Width: | 70 mm |
| Lamp type: | LED 830 - 01 | Height: | 114 mm |
| Number: | 01 | Power: | 43,57 W |
| Lamp flux: | 6480,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 25-01-2020 11:01:41 | Output ratio: | 63,6 % |

Protocol

LiTG-class: A40
UTE-class: 0,64 E
IES-class: 49 - 80 - 95 - 100 - 64
TM5-class: BZ5/0.75/BZ4

| Divergences in the plane through maximum intensity: | Horizontal | Vertical |
|---|------------|----------|
| One half peak divergence | 103,3° | 100,9° |
| Half peak side angle (left) | -51,7° | -50,4° |
| Half peak side angle (right) | 51,7° | 50,4° |
| One tenth peak divergence | 157,7° | 160,5° |
| Tenth peak side angle (left) | -78,9° | -80,3° |
| Tenth peak side angle (right) | 78,9° | 80,3° |

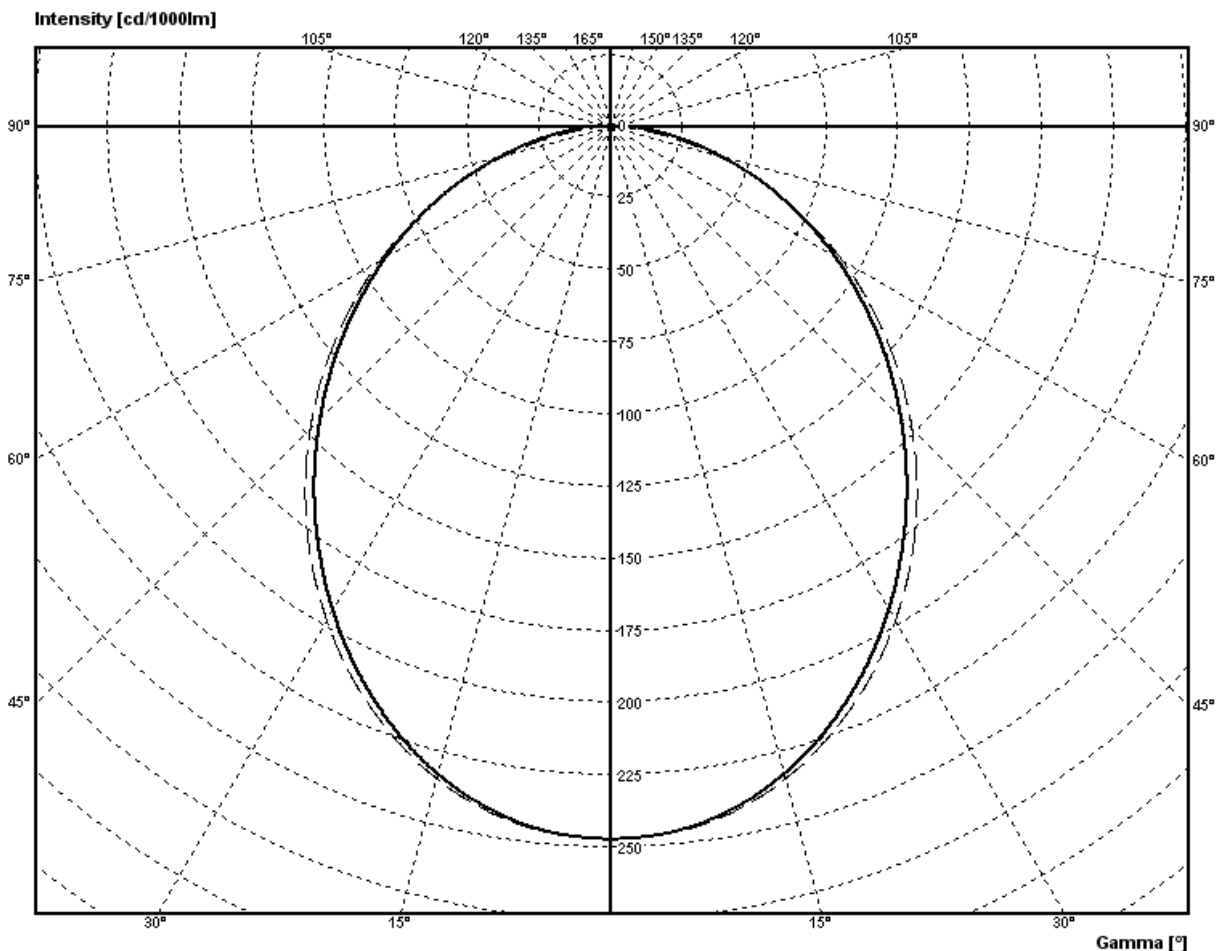
| | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| C-planes: | 0,0° | 15,0° | 30,0° | 45,0° | 60,0° | 75,0° | 90,0° | 105,0° | 120,0° | 135,0° |
| | 150,0° | 165,0° | 180,0° | 195,0° | 210,0° | 225,0° | 240,0° | 255,0° | 270,0° | 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 /T EXT L1718+INT SYM BLINE K3 830 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 | 16,9 | 18,5 | 17,2 | 18,8 | 19,1 | 19,6 | 21,2 | 19,9 | 21,5 | 21,8 |
| 2H | 3H | 17,8 | 19,3 | 18,2 | 19,6 | 20,0 | 21,0 | 22,4 | 21,3 | 22,8 | 23,1 |
| 2H | 4H | 18,1 | 19,5 | 18,5 | 19,9 | 20,2 | 21,5 | 22,9 | 21,9 | 23,2 | 23,6 |
| 2H | 6H | 18,4 | 19,6 | 18,8 | 20,0 | 20,4 | 21,8 | 23,1 | 22,2 | 23,5 | 23,9 |
| 2H | 8H | 18,4 | 19,6 | 18,8 | 20,0 | 20,4 | 21,9 | 23,1 | 22,3 | 23,5 | 23,9 |
| 2H | 12H | 18,4 | 19,6 | 18,8 | 19,9 | 20,3 | 21,9 | 23,1 | 22,3 | 23,5 | 23,9 |
| 4H | 2H | 17,6 | 18,9 | 18,0 | 19,3 | 19,7 | 19,8 | 21,2 | 20,2 | 21,5 | 21,9 |
| 4H | 3H | 18,6 | 19,8 | 19,0 | 20,2 | 20,6 | 21,3 | 22,5 | 21,7 | 22,8 | 23,2 |
| 4H | 4H | 19,1 | 20,1 | 19,5 | 20,5 | 21,0 | 21,9 | 22,9 | 22,3 | 23,4 | 23,8 |
| 4H | 6H | 19,3 | 20,2 | 19,8 | 20,7 | 21,1 | 22,3 | 23,2 | 22,7 | 23,7 | 24,1 |
| 4H | 8H | 19,4 | 20,2 | 19,8 | 20,7 | 21,1 | 22,4 | 23,3 | 22,9 | 23,7 | 24,2 |
| 4H | 12H | 19,4 | 20,2 | 19,9 | 20,7 | 21,2 | 22,5 | 23,3 | 23,0 | 23,7 | 24,2 |
| 8H | 4H | 19,3 | 20,1 | 19,7 | 20,6 | 21,0 | 21,9 | 22,8 | 22,4 | 23,2 | 23,7 |
| 8H | 6H | 19,6 | 20,3 | 20,0 | 20,8 | 21,3 | 22,3 | 23,1 | 22,8 | 23,5 | 24,0 |
| 8H | 8H | 19,7 | 20,4 | 20,2 | 20,9 | 21,4 | 22,5 | 23,2 | 23,0 | 23,7 | 24,2 |
| 8H | 12H | 19,8 | 20,3 | 20,3 | 20,8 | 21,4 | 22,6 | 23,2 | 23,1 | 23,7 | 24,2 |
| 12H | 4H | 19,3 | 20,1 | 19,8 | 20,5 | 21,0 | 21,9 | 22,7 | 22,4 | 23,2 | 23,7 |
| 12H | 6H | 19,6 | 20,3 | 20,2 | 20,8 | 21,3 | 22,4 | 23,0 | 22,9 | 23,5 | 24,0 |
| 12H | 8H | 19,8 | 20,3 | 20,3 | 20,8 | 21,3 | 22,5 | 23,1 | 23,1 | 23,6 | 24,1 |

UGR values are corrected for lamp flux of 6480 lm by 6,5

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Luminance [cd/m²] REBA 50 /T EXT L1718+INT SYM BLINE K3 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 | 4855,25 | 4974,31 | 5360,37 | 6144,31 | 7554,63 | 10222,0 | 16386,0 | 10222,0 | 7554,63 |
| 50,00 | 4121,10 | 4227,75 | 4570,95 | 5281,91 | 6580,14 | 9144,52 | 15625,6 | 9144,52 | 6580,14 |
| 55,00 | 3453,08 | 3547,39 | 3847,00 | 4479,15 | 5649,12 | 8060,46 | 14787,1 | 8060,46 | 5649,12 |
| 60,00 | 2849,20 | 2920,32 | 3183,20 | 3717,20 | 4759,49 | 6953,58 | 13879,4 | 6953,58 | 4759,49 |
| 65,00 | 2279,86 | 2343,26 | 2553,39 | 2999,98 | 3870,17 | 5811,15 | 12756,6 | 5811,15 | 3870,17 |
| 70,00 | 1751,44 | 1798,68 | 1961,57 | 2307,89 | 3002,75 | 4617,48 | 11392,6 | 4617,48 | 3002,75 |
| 75,00 | 1251,70 | 1287,02 | 1400,98 | 1641,03 | 2144,91 | 3349,97 | 9672,79 | 3349,97 | 2144,91 |
| 80,00 | 810,39 | 824,25 | 894,14 | 1031,90 | 1333,32 | 2096,62 | 7298,85 | 2096,62 | 1333,32 |
| 85,00 | 438,81 | 439,42 | 467,70 | 517,98 | 639,61 | 945,56 | 4322,86 | 945,56 | 639,61 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 6144,31 | 5360,37 | 4974,31 | 4855,25 | 4974,31 | 5360,37 | 6144,31 | 7554,63 | 10222,0 |
| 50,00 | 5281,91 | 4570,95 | 4227,75 | 4121,10 | 4227,75 | 4570,95 | 5281,91 | 6580,14 | 9144,52 |
| 55,00 | 4479,15 | 3847,00 | 3547,39 | 3453,08 | 3547,39 | 3847,00 | 4479,15 | 5649,12 | 8060,46 |
| 60,00 | 3717,20 | 3183,20 | 2920,32 | 2849,20 | 2920,32 | 3183,20 | 3717,20 | 4759,49 | 6953,58 |
| 65,00 | 2999,98 | 2553,39 | 2343,26 | 2279,86 | 2343,26 | 2553,39 | 2999,98 | 3870,17 | 5811,15 |
| 70,00 | 2307,89 | 1961,57 | 1798,68 | 1751,44 | 1798,68 | 1961,57 | 2307,89 | 3002,75 | 4617,48 |
| 75,00 | 1641,03 | 1400,98 | 1287,02 | 1251,70 | 1287,02 | 1400,98 | 1641,03 | 2144,91 | 3349,97 |
| 80,00 | 1031,90 | 894,14 | 824,25 | 810,39 | 824,25 | 894,14 | 1031,90 | 1333,32 | 2096,62 |
| 85,00 | 517,98 | 467,70 | 439,42 | 438,81 | 439,42 | 467,70 | 517,98 | 639,61 | 945,56 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 16386,0 | 10222,0 | 7554,63 | 6144,31 | 5360,37 | 4974,31 |
| 50,00 | 15625,6 | 9144,52 | 6580,14 | 5281,91 | 4570,95 | 4227,75 |
| 55,00 | 14787,1 | 8060,46 | 5649,12 | 4479,15 | 3847,00 | 3547,39 |
| 60,00 | 13879,4 | 6953,58 | 4759,49 | 3717,20 | 3183,20 | 2920,32 |
| 65,00 | 12756,6 | 5811,15 | 3870,17 | 2999,98 | 2553,39 | 2343,26 |
| 70,00 | 11392,6 | 4617,48 | 3002,75 | 2307,89 | 1961,57 | 1798,68 |
| 75,00 | 9672,79 | 3349,97 | 2144,91 | 1641,03 | 1400,98 | 1287,02 |
| 80,00 | 7298,85 | 2096,62 | 1333,32 | 1031,90 | 894,14 | 824,25 |
| 85,00 | 4322,86 | 945,56 | 639,61 | 517,98 | 467,70 | 439,42 |

HEADQUARTERS

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