

PHOTOMETRIC RESULTS

| | | | |
|-------------------|---|----------------------|------------------|
| Name: | REBA 50 /T EXT LINE L2262 SRT/END+INT SYM BLINE 830 HO | | |
| Number: | 90507-83+90497L008 | Diameter: | 0 mm |
| Report: | 24-01-2020 | Length: | 2262 mm |
| Meas.-no.: | 01 | Width: | 70 mm |
| Lamp type: | LED 830 - 01 | Height: | 114 mm |
| Number: | 01 | Power: | 57,62 W |
| Lamp flux: | 8640,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 24-01-2020 14:27:36 | Output ratio: | 63,1 % |

Protocol

LiTG-class: A40
UTE-class: 0,63 E
IES-class: 50 - 80 - 95 - 100 - 63
TM5-class: BZ5/0.75/BZ4

| | | |
|--|------------|----------|
| Divergences in the plane through maximum intensity: | Horizontal | Vertical |
| One half peak divergence | 102,1° | 100,2° |
| Half peak side angle (left) | -51,0° | -50,1° |
| Half peak side angle (right) | 51,0° | 50,1° |
| One tenth peak divergence | 157,2° | 160,5° |
| Tenth peak side angle (left) | -78,6° | -80,3° |
| Tenth peak side angle (right) | 78,6° | 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 LINE L2262 SRT/END+INT SYM BLINE 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 | 19,5 | 21,1 | 19,9 | 21,5 | 21,8 |
| 2H | 3H | 17,8 | 19,3 | 18,2 | 19,6 | 19,9 | 20,9 | 22,4 | 21,3 | 22,7 | 23,1 |
| 2H | 4H | 18,1 | 19,5 | 18,5 | 19,8 | 20,2 | 21,4 | 22,8 | 21,8 | 23,2 | 23,5 |
| 2H | 6H | 18,3 | 19,6 | 18,7 | 20,0 | 20,4 | 21,8 | 23,1 | 22,2 | 23,4 | 23,8 |
| 2H | 8H | 18,3 | 19,6 | 18,7 | 19,9 | 20,3 | 21,9 | 23,1 | 22,3 | 23,5 | 23,9 |
| 2H | 12H | 18,3 | 19,5 | 18,8 | 19,9 | 20,3 | 21,9 | 23,1 | 22,3 | 23,5 | 23,9 |
| 4H | 2H | 17,5 | 18,9 | 17,9 | 19,3 | 19,6 | 19,7 | 21,1 | 20,1 | 21,5 | 21,8 |
| 4H | 3H | 18,6 | 19,8 | 19,0 | 20,2 | 20,6 | 21,2 | 22,4 | 21,6 | 22,8 | 23,2 |
| 4H | 4H | 19,0 | 20,1 | 19,5 | 20,5 | 20,9 | 21,9 | 22,9 | 22,3 | 23,3 | 23,7 |
| 4H | 6H | 19,3 | 20,2 | 19,7 | 20,6 | 21,1 | 22,2 | 23,2 | 22,7 | 23,6 | 24,0 |
| 4H | 8H | 19,3 | 20,2 | 19,8 | 20,6 | 21,1 | 22,3 | 23,2 | 22,8 | 23,7 | 24,1 |
| 4H | 12H | 19,4 | 20,2 | 19,9 | 20,6 | 21,1 | 22,4 | 23,2 | 22,9 | 23,7 | 24,2 |
| 8H | 4H | 19,2 | 20,1 | 19,7 | 20,5 | 21,0 | 21,9 | 22,7 | 22,3 | 23,2 | 23,6 |
| 8H | 6H | 19,5 | 20,3 | 20,0 | 20,7 | 21,2 | 22,3 | 23,0 | 22,8 | 23,5 | 24,0 |
| 8H | 8H | 19,7 | 20,3 | 20,2 | 20,8 | 21,3 | 22,5 | 23,1 | 23,0 | 23,6 | 24,1 |
| 8H | 12H | 19,8 | 20,3 | 20,3 | 20,8 | 21,3 | 22,6 | 23,1 | 23,1 | 23,6 | 24,1 |
| 12H | 4H | 19,2 | 20,0 | 19,7 | 20,5 | 21,0 | 21,9 | 22,7 | 22,3 | 23,1 | 23,6 |
| 12H | 6H | 19,6 | 20,2 | 20,1 | 20,8 | 21,2 | 22,3 | 23,0 | 22,8 | 23,5 | 24,0 |
| 12H | 8H | 19,7 | 20,3 | 20,3 | 20,8 | 21,3 | 22,5 | 23,0 | 23,0 | 23,5 | 24,0 |

UGR values are corrected for lamp flux of 8640 lm by 7,5

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Luminance [cd/m²] REBA 50 /T EXT LINE L2262 SRT/END+INT SYM BLINE 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 | 4826,14 | 4934,06 | 5334,36 | 6116,77 | 7516,41 | 10189,5 | 16436,1 | 10189,5 | 7516,41 |
| 50,00 | 4088,02 | 4185,86 | 4540,52 | 5242,72 | 6538,05 | 9093,82 | 15670,5 | 9093,82 | 6538,05 |
| 55,00 | 3421,13 | 3511,43 | 3819,02 | 4441,65 | 5603,32 | 8018,19 | 14845,3 | 8018,19 | 5603,32 |
| 60,00 | 2821,45 | 2891,44 | 3155,77 | 3685,03 | 4713,54 | 6912,36 | 13951,2 | 6912,36 | 4713,54 |
| 65,00 | 2260,17 | 2316,26 | 2528,47 | 2968,14 | 3831,94 | 5765,87 | 12886,6 | 5765,87 | 3831,94 |
| 70,00 | 1731,25 | 1777,07 | 1939,20 | 2281,27 | 2967,80 | 4578,92 | 11553,0 | 4578,92 | 2967,80 |
| 75,00 | 1247,60 | 1274,40 | 1388,83 | 1624,22 | 2118,97 | 3326,08 | 9851,24 | 3326,08 | 2118,97 |
| 80,00 | 811,61 | 822,21 | 891,63 | 1022,49 | 1319,25 | 2079,09 | 7586,48 | 2079,09 | 1319,25 |
| 85,00 | 438,55 | 440,35 | 468,43 | 517,73 | 643,01 | 951,31 | 4703,98 | 951,31 | 643,01 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 6116,77 | 5334,36 | 4934,06 | 4826,14 | 4934,06 | 5334,36 | 6116,77 | 7516,41 | 10189,5 |
| 50,00 | 5242,72 | 4540,52 | 4185,86 | 4088,02 | 4185,86 | 4540,52 | 5242,72 | 6538,05 | 9093,82 |
| 55,00 | 4441,65 | 3819,02 | 3511,43 | 3421,13 | 3511,43 | 3819,02 | 4441,65 | 5603,32 | 8018,19 |
| 60,00 | 3685,03 | 3155,77 | 2891,44 | 2821,45 | 2891,44 | 3155,77 | 3685,03 | 4713,54 | 6912,36 |
| 65,00 | 2968,14 | 2528,47 | 2316,26 | 2260,17 | 2316,26 | 2528,47 | 2968,14 | 3831,94 | 5765,87 |
| 70,00 | 2281,27 | 1939,20 | 1777,07 | 1731,25 | 1777,07 | 1939,20 | 2281,27 | 2967,80 | 4578,92 |
| 75,00 | 1624,22 | 1388,83 | 1274,40 | 1247,60 | 1274,40 | 1388,83 | 1624,22 | 2118,97 | 3326,08 |
| 80,00 | 1022,49 | 891,63 | 822,21 | 811,61 | 822,21 | 891,63 | 1022,49 | 1319,25 | 2079,09 |
| 85,00 | 517,73 | 468,43 | 440,35 | 438,55 | 440,35 | 468,43 | 517,73 | 643,01 | 951,31 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 16436,1 | 10189,5 | 7516,41 | 6116,77 | 5334,36 | 4934,06 |
| 50,00 | 15670,5 | 9093,82 | 6538,05 | 5242,72 | 4540,52 | 4185,86 |
| 55,00 | 14845,3 | 8018,19 | 5603,32 | 4441,65 | 3819,02 | 3511,43 |
| 60,00 | 13951,2 | 6912,36 | 4713,54 | 3685,03 | 3155,77 | 2891,44 |
| 65,00 | 12886,6 | 5765,87 | 3831,94 | 2968,14 | 2528,47 | 2316,26 |
| 70,00 | 11553,0 | 4578,92 | 2967,80 | 2281,27 | 1939,20 | 1777,07 |
| 75,00 | 9851,24 | 3326,08 | 2118,97 | 1624,22 | 1388,83 | 1274,40 |
| 80,00 | 7586,48 | 2079,09 | 1319,25 | 1022,49 | 891,63 | 822,21 |
| 85,00 | 4703,98 | 951,31 | 643,01 | 517,73 | 468,43 | 440,35 |

HEADQUARTERS

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