

PHOTOMETRIC RESULTS

| | | | |
|------------|---|---------------|------------------|
| Name: | REBA 50 /E EXT LINE L1127 SRT/END+INT SYM BLINE K3 830 HO | | |
| Number: | 90506-83+90497L004 | Diameter: | 0 mm |
| Report: | 24-01-2020 | Length: | 1127 mm |
| Meas.-no.: | 01 | Width: | 62 mm |
| Lamp type: | LED 830 - 01 | Height: | 72 mm |
| Number: | 1 | Power: | 28,70 W |
| Lamp flux: | 4320,00 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° |

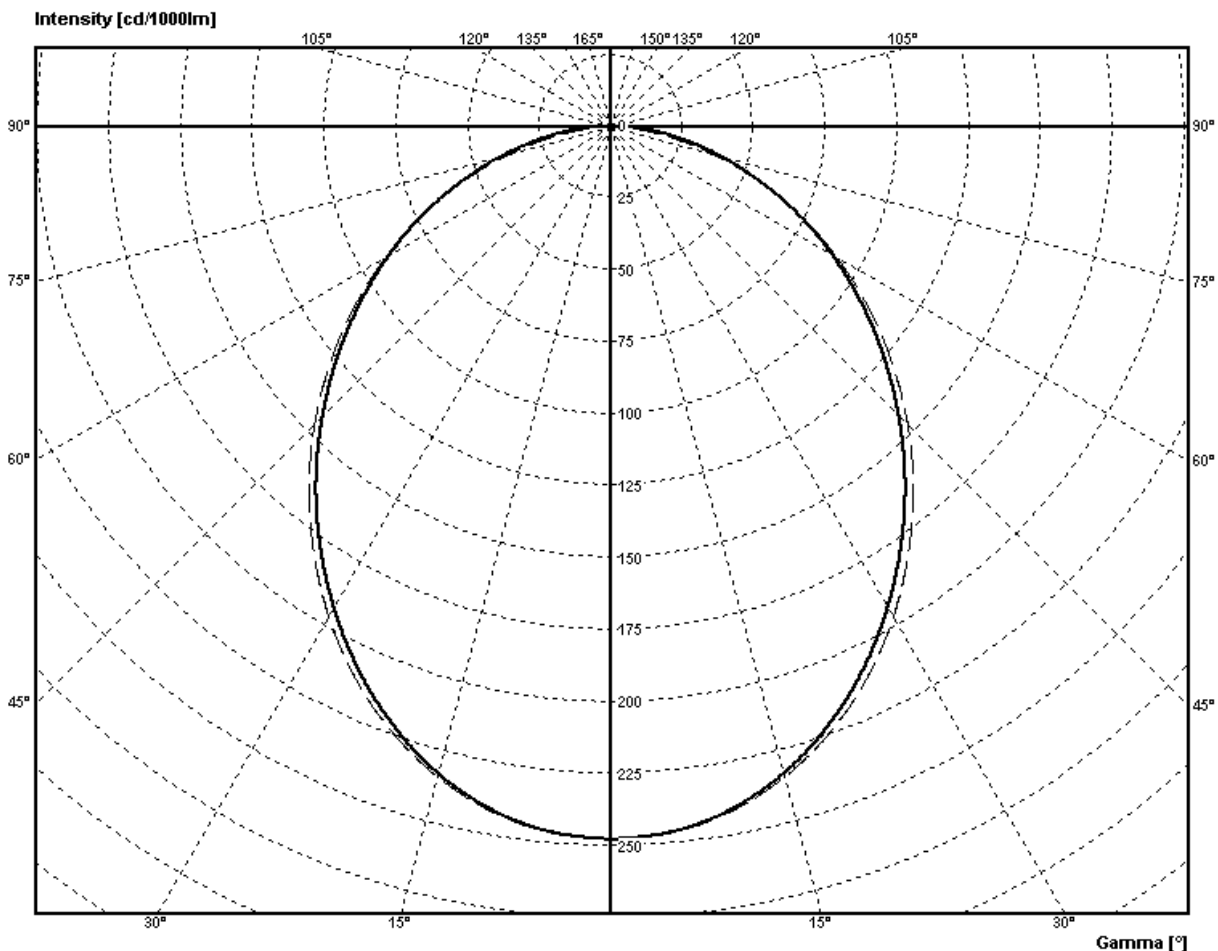
| | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| C-planes: | 0,0° | 15,0° | 30,0° | 45,0° | 60,0° | 75,0° | 90,0° | 105,0° | 120,0° | 135,0° |
| | 150,0° | 165,0° | 180,0° | 195,0° | 210,0° | 225,0° | 240,0° | 255,0° | 270,0° | 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 /E EXT LINE L1127 SRT/END+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 | 18,0 | 19,6 | 18,3 | 19,9 | 20,2 | 20,1 | 21,7 | 20,4 | 22,0 | 22,3 |
| 2H | 3H | 18,9 | 20,4 | 19,3 | 20,8 | 21,1 | 21,5 | 22,9 | 21,8 | 23,3 | 23,6 |
| 2H | 4H | 19,3 | 20,7 | 19,7 | 21,0 | 21,4 | 22,0 | 23,3 | 22,4 | 23,7 | 24,1 |
| 2H | 6H | 19,5 | 20,8 | 19,9 | 21,2 | 21,6 | 22,3 | 23,6 | 22,7 | 24,0 | 24,4 |
| 2H | 8H | 19,5 | 20,8 | 20,0 | 21,2 | 21,6 | 22,4 | 23,6 | 22,8 | 24,0 | 24,4 |
| 2H | 12H | 19,6 | 20,7 | 20,0 | 21,1 | 21,5 | 22,4 | 23,6 | 22,8 | 24,0 | 24,4 |
| 4H | 2H | 18,6 | 20,0 | 19,0 | 20,4 | 20,7 | 20,4 | 21,7 | 20,8 | 22,1 | 22,5 |
| 4H | 3H | 19,7 | 20,9 | 20,2 | 21,3 | 21,7 | 21,8 | 23,0 | 22,3 | 23,4 | 23,8 |
| 4H | 4H | 20,2 | 21,3 | 20,7 | 21,7 | 22,1 | 22,5 | 23,5 | 22,9 | 23,9 | 24,4 |
| 4H | 6H | 20,5 | 21,4 | 20,9 | 21,8 | 22,3 | 22,9 | 23,8 | 23,3 | 24,2 | 24,7 |
| 4H | 8H | 20,6 | 21,4 | 21,0 | 21,9 | 22,3 | 23,0 | 23,8 | 23,4 | 24,3 | 24,8 |
| 4H | 12H | 20,6 | 21,4 | 21,1 | 21,9 | 22,4 | 23,1 | 23,9 | 23,5 | 24,3 | 24,8 |
| 8H | 4H | 20,4 | 21,3 | 20,9 | 21,7 | 22,2 | 22,5 | 23,4 | 23,0 | 23,8 | 24,3 |
| 8H | 6H | 20,7 | 21,5 | 21,2 | 21,9 | 22,4 | 22,9 | 23,7 | 23,4 | 24,1 | 24,6 |
| 8H | 8H | 20,9 | 21,6 | 21,4 | 22,1 | 22,6 | 23,2 | 23,8 | 23,7 | 24,3 | 24,8 |
| 8H | 12H | 21,0 | 21,5 | 21,5 | 22,0 | 22,6 | 23,2 | 23,8 | 23,8 | 24,3 | 24,8 |
| 12H | 4H | 20,4 | 21,2 | 20,9 | 21,7 | 22,2 | 22,5 | 23,3 | 23,0 | 23,8 | 24,3 |
| 12H | 6H | 20,8 | 21,5 | 21,3 | 22,0 | 22,5 | 23,0 | 23,6 | 23,5 | 24,1 | 24,6 |
| 12H | 8H | 21,0 | 21,5 | 21,5 | 22,0 | 22,5 | 23,2 | 23,7 | 23,7 | 24,2 | 24,7 |

UGR values are corrected for lamp flux of 4320 lm by 5,1

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Luminance [cd/m²] REBA 50 /E EXT LINE L1127 SRT/END+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 | 6543,92 | 6648,29 | 7086,04 | 7924,85 | 9335,80 | 11741,1 | 16229,7 | 11741,1 | 9335,80 |
| 50,00 | 5640,45 | 5738,98 | 6139,26 | 6917,67 | 8272,44 | 10649,1 | 15438,5 | 10649,1 | 8272,44 |
| 55,00 | 4799,96 | 4895,50 | 5253,17 | 5967,07 | 7223,95 | 9552,72 | 14585,6 | 9552,72 | 7223,95 |
| 60,00 | 4023,79 | 4097,63 | 4414,96 | 5040,50 | 6195,15 | 8390,87 | 13660,5 | 8390,87 | 6195,15 |
| 65,00 | 3275,98 | 3336,29 | 3597,78 | 4134,83 | 5138,96 | 7145,88 | 12561,9 | 7145,88 | 5138,96 |
| 70,00 | 2550,61 | 2601,98 | 2807,22 | 3238,49 | 4066,25 | 5809,79 | 11192,2 | 5809,79 | 4066,25 |
| 75,00 | 1868,99 | 1897,58 | 2046,55 | 2351,82 | 2971,33 | 4336,97 | 9454,69 | 4336,97 | 2971,33 |
| 80,00 | 1237,12 | 1245,89 | 1338,63 | 1512,13 | 1897,85 | 2800,96 | 7164,75 | 2800,96 | 1897,85 |
| 85,00 | 680,83 | 679,73 | 717,41 | 783,43 | 952,08 | 1334,52 | 4289,31 | 1334,52 | 952,08 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 7924,85 | 7086,04 | 6648,29 | 6543,92 | 6648,29 | 7086,04 | 7924,85 | 9335,80 | 11741,1 |
| 50,00 | 6917,67 | 6139,26 | 5738,98 | 5640,45 | 5738,98 | 6139,26 | 6917,67 | 8272,44 | 10649,1 |
| 55,00 | 5967,07 | 5253,17 | 4895,50 | 4799,96 | 4895,50 | 5253,17 | 5967,07 | 7223,95 | 9552,72 |
| 60,00 | 5040,50 | 4414,96 | 4097,63 | 4023,79 | 4097,63 | 4414,96 | 5040,50 | 6195,15 | 8390,87 |
| 65,00 | 4134,83 | 3597,78 | 3336,29 | 3275,98 | 3336,29 | 3597,78 | 4134,83 | 5138,96 | 7145,88 |
| 70,00 | 3238,49 | 2807,22 | 2601,98 | 2550,61 | 2601,98 | 2807,22 | 3238,49 | 4066,25 | 5809,79 |
| 75,00 | 2351,82 | 2046,55 | 1897,58 | 1868,99 | 1897,58 | 2046,55 | 2351,82 | 2971,33 | 4336,97 |
| 80,00 | 1512,13 | 1338,63 | 1245,89 | 1237,12 | 1245,89 | 1338,63 | 1512,13 | 1897,85 | 2800,96 |
| 85,00 | 783,43 | 717,41 | 679,73 | 680,83 | 679,73 | 717,41 | 783,43 | 952,08 | 1334,52 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 16229,7 | 11741,1 | 9335,80 | 7924,85 | 7086,04 | 6648,29 |
| 50,00 | 15438,5 | 10649,1 | 8272,44 | 6917,67 | 6139,26 | 5738,98 |
| 55,00 | 14585,6 | 9552,72 | 7223,95 | 5967,07 | 5253,17 | 4895,50 |
| 60,00 | 13660,5 | 8390,87 | 6195,15 | 5040,50 | 4414,96 | 4097,63 |
| 65,00 | 12561,9 | 7145,88 | 5138,96 | 4134,83 | 3597,78 | 3336,29 |
| 70,00 | 11192,2 | 5809,79 | 4066,25 | 3238,49 | 2807,22 | 2601,98 |
| 75,00 | 9454,69 | 4336,97 | 2971,33 | 2351,82 | 2046,55 | 1897,58 |
| 80,00 | 7164,75 | 2800,96 | 1897,85 | 1512,13 | 1338,63 | 1245,89 |
| 85,00 | 4289,31 | 1334,52 | 952,08 | 783,43 | 717,41 | 679,73 |

HEADQUARTERS

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