

PHOTOMETRIC RESULTS

| | | | |
|-------------------|--|----------------------|------------------|
| Name: | REBA 50 /T EXT LINE L2822 SRT/END+INT SYM BGLARE 830 HO | | |
| Number: | 90507-83+90498L010 | Diameter: | 0 mm |
| Report: | 24-01-2020 | Length: | 2822 mm |
| Meas.-no.: | 01 | Width: | 70 mm |
| Lamp type: | LED 830 - 01 | Height: | 114 mm |
| Number: | 01 | Power: | 73,6 W |
| Lamp flux: | 10800,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 24-01-2020 16:41:02 | Output ratio: | 64,2 % |

Protocol

LiTG-class: A50
UTE-class: 0,64 C
IES-class: 62 - 88 - 97 - 100 - 64
TM5-class: BZ2/1.00/BZ3

Divergences in the plane through maximum intensity:

| | Horizontal | Vertical |
|-------------------------------|------------|----------|
| One half peak divergence | 80,8° | 80,4° |
| Half peak side angle (left) | -40,4° | -40,2° |
| Half peak side angle (right) | 40,4° | 40,2° |
| One tenth peak divergence | 135,8° | 141,1° |
| Tenth peak side angle (left) | -67,9° | -70,6° |
| Tenth peak side angle (right) | 67,9° | 70,6° |

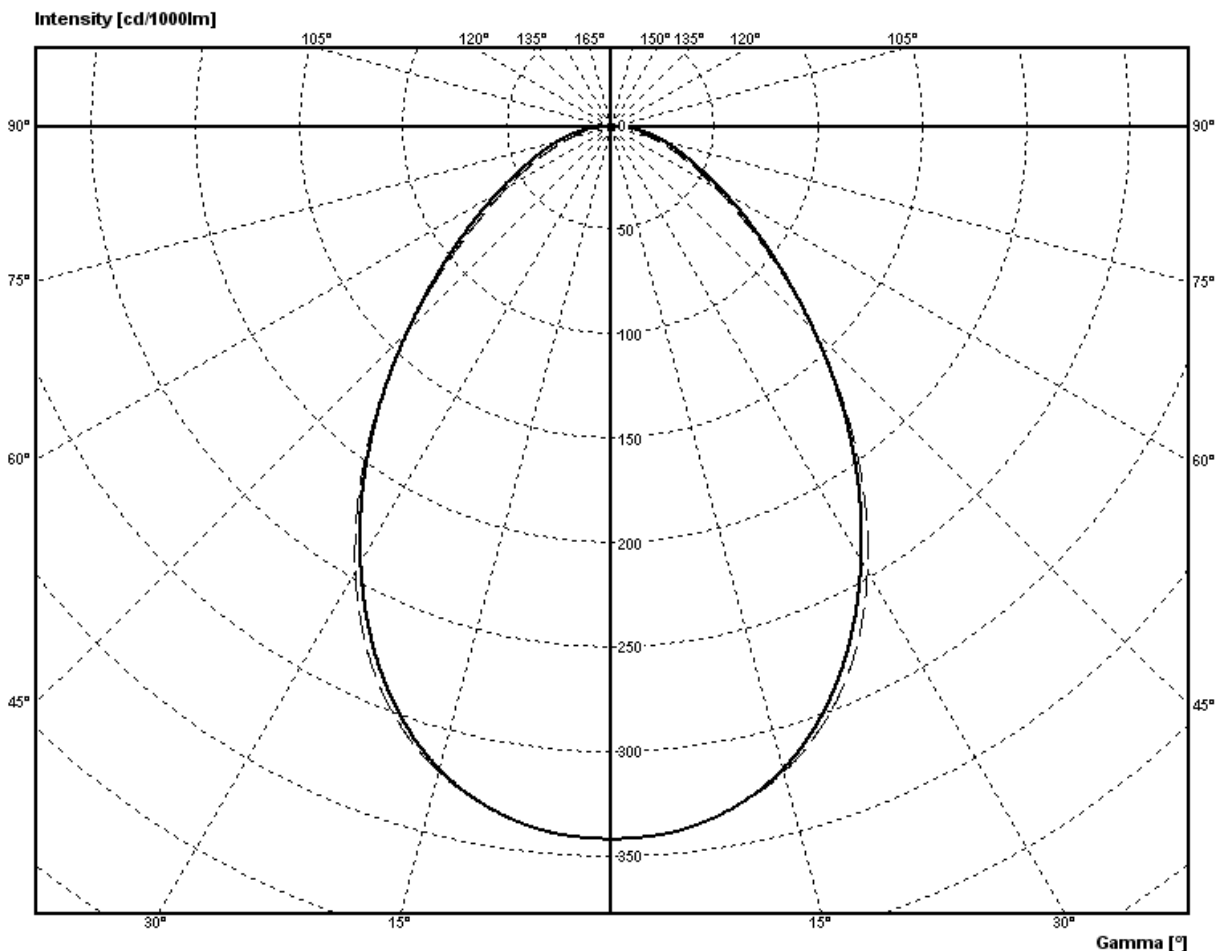
| | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| C-planes: | 0,0° | 15,0° | 30,0° | 45,0° | 60,0° | 75,0° | 90,0° | 105,0° | 120,0° | 135,0° |
| | 150,0° | 165,0° | 180,0° | 195,0° | 210,0° | 225,0° | 240,0° | 255,0° | 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 L2822 SRT/END+INT SYM BGLARE 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 | 15,9 | 17,3 | 16,2 | 17,6 | 17,9 | 18,1 | 19,6 | 18,5 | 19,9 | 20,2 |
| 2H | 3H | 16,4 | 17,7 | 16,7 | 18,0 | 18,3 | 18,8 | 20,1 | 19,2 | 20,4 | 20,8 |
| 2H | 4H | 16,5 | 17,8 | 16,9 | 18,1 | 18,5 | 19,1 | 20,3 | 19,5 | 20,6 | 21,0 |
| 2H | 6H | 16,7 | 17,8 | 17,1 | 18,2 | 18,6 | 19,3 | 20,4 | 19,7 | 20,8 | 21,2 |
| 2H | 8H | 16,7 | 17,8 | 17,1 | 18,1 | 18,5 | 19,3 | 20,4 | 19,8 | 20,8 | 21,2 |
| 2H | 12H | 16,7 | 17,7 | 17,1 | 18,1 | 18,5 | 19,4 | 20,4 | 19,8 | 20,8 | 21,2 |
| 4H | 2H | 16,2 | 17,4 | 16,6 | 17,8 | 18,1 | 18,2 | 19,4 | 18,6 | 19,8 | 20,1 |
| 4H | 3H | 16,8 | 17,9 | 17,2 | 18,2 | 18,7 | 18,9 | 20,0 | 19,3 | 20,4 | 20,8 |
| 4H | 4H | 17,1 | 18,0 | 17,6 | 18,4 | 18,9 | 19,3 | 20,2 | 19,8 | 20,6 | 21,1 |
| 4H | 6H | 17,3 | 18,1 | 17,7 | 18,5 | 19,0 | 19,6 | 20,4 | 20,0 | 20,8 | 21,3 |
| 4H | 8H | 17,3 | 18,1 | 17,8 | 18,5 | 19,0 | 19,7 | 20,4 | 20,1 | 20,9 | 21,3 |
| 4H | 12H | 17,4 | 18,1 | 17,8 | 18,5 | 19,0 | 19,7 | 20,4 | 20,2 | 20,9 | 21,4 |
| 8H | 4H | 17,2 | 17,9 | 17,7 | 18,4 | 18,9 | 19,3 | 20,0 | 19,8 | 20,5 | 20,9 |
| 8H | 6H | 17,4 | 18,0 | 17,9 | 18,5 | 19,0 | 19,6 | 20,2 | 20,0 | 20,7 | 21,2 |
| 8H | 8H | 17,6 | 18,1 | 18,1 | 18,6 | 19,1 | 19,7 | 20,3 | 20,2 | 20,8 | 21,3 |
| 8H | 12H | 17,6 | 18,1 | 18,1 | 18,6 | 19,1 | 19,8 | 20,3 | 20,3 | 20,8 | 21,3 |
| 12H | 4H | 17,2 | 17,9 | 17,7 | 18,3 | 18,8 | 19,3 | 20,0 | 19,7 | 20,4 | 20,9 |
| 12H | 6H | 17,5 | 18,0 | 18,0 | 18,5 | 19,0 | 19,6 | 20,1 | 20,1 | 20,6 | 21,1 |
| 12H | 8H | 17,6 | 18,0 | 18,1 | 18,5 | 19,1 | 19,7 | 20,2 | 20,2 | 20,7 | 21,2 |

UGR values are corrected for lamp flux of 10800 lm by 8,3

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Luminance [cd/m²] REBA 50 /T EXT LINE L2822 SRT/END+INT SYM BGLARE 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 | 4688,64 | 4822,34 | 5304,46 | 6163,37 | 7457,95 | 9820,59 | 15653,8 | 9820,59 | 7457,95 |
| 50,00 | 3542,28 | 3595,44 | 3960,20 | 4644,31 | 5683,68 | 7604,02 | 12954,1 | 7604,02 | 5683,68 |
| 55,00 | 2654,15 | 2663,44 | 2936,61 | 3428,90 | 4271,76 | 5802,40 | 10654,5 | 5802,40 | 4271,76 |
| 60,00 | 1976,77 | 1963,44 | 2189,45 | 2511,47 | 3169,00 | 4413,42 | 8890,97 | 4413,42 | 3169,00 |
| 65,00 | 1469,10 | 1464,38 | 1622,97 | 1819,66 | 2320,30 | 3322,68 | 7525,76 | 3322,68 | 2320,30 |
| 70,00 | 1103,45 | 1115,62 | 1210,79 | 1334,01 | 1700,80 | 2498,10 | 6391,26 | 2498,10 | 1700,80 |
| 75,00 | 820,66 | 830,57 | 894,99 | 976,79 | 1232,13 | 1859,96 | 5548,58 | 1859,96 | 1232,13 |
| 80,00 | 562,64 | 570,43 | 619,30 | 663,52 | 837,86 | 1275,53 | 4734,29 | 1275,53 | 837,86 |
| 85,00 | 297,15 | 308,68 | 342,56 | 361,49 | 451,00 | 684,19 | 3522,12 | 684,19 | 451,00 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 6163,37 | 5304,46 | 4822,34 | 4688,64 | 4822,34 | 5304,46 | 6163,37 | 7457,95 | 9820,59 |
| 50,00 | 4644,31 | 3960,20 | 3595,44 | 3542,28 | 3595,44 | 3960,20 | 4644,31 | 5683,68 | 7604,02 |
| 55,00 | 3428,90 | 2936,61 | 2663,44 | 2654,15 | 2663,44 | 2936,61 | 3428,90 | 4271,76 | 5802,40 |
| 60,00 | 2511,47 | 2189,45 | 1963,44 | 1976,77 | 1963,44 | 2189,45 | 2511,47 | 3169,00 | 4413,42 |
| 65,00 | 1819,66 | 1622,97 | 1464,38 | 1469,10 | 1464,38 | 1622,97 | 1819,66 | 2320,30 | 3322,68 |
| 70,00 | 1334,01 | 1210,79 | 1115,62 | 1103,45 | 1115,62 | 1210,79 | 1334,01 | 1700,80 | 2498,10 |
| 75,00 | 976,79 | 894,99 | 830,57 | 820,66 | 830,57 | 894,99 | 976,79 | 1232,13 | 1859,96 |
| 80,00 | 663,52 | 619,30 | 570,43 | 562,64 | 570,43 | 619,30 | 663,52 | 837,86 | 1275,53 |
| 85,00 | 361,49 | 342,56 | 308,68 | 297,15 | 308,68 | 342,56 | 361,49 | 451,00 | 684,19 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 15653,8 | 9820,59 | 7457,95 | 6163,37 | 5304,46 | 4822,34 |
| 50,00 | 12954,1 | 7604,02 | 5683,68 | 4644,31 | 3960,20 | 3595,44 |
| 55,00 | 10654,5 | 5802,40 | 4271,76 | 3428,90 | 2936,61 | 2663,44 |
| 60,00 | 8890,97 | 4413,42 | 3169,00 | 2511,47 | 2189,45 | 1963,44 |
| 65,00 | 7525,76 | 3322,68 | 2320,30 | 1819,66 | 1622,97 | 1464,38 |
| 70,00 | 6391,26 | 2498,10 | 1700,80 | 1334,01 | 1210,79 | 1115,62 |
| 75,00 | 5548,58 | 1859,96 | 1232,13 | 976,79 | 894,99 | 830,57 |
| 80,00 | 4734,29 | 1275,53 | 837,86 | 663,52 | 619,30 | 570,43 |
| 85,00 | 3522,12 | 684,19 | 451,00 | 361,49 | 342,56 | 308,68 |

HEADQUARTERS

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