

PHOTOMETRIC RESULTS

| | | | |
|-------------------|---|----------------------|------------------|
| Name: | REBA 50 /W EXT L1968+INT D/I BLINE 830 HO | | |
| Number: | 90521+90536L007 | Diameter: | 0 mm |
| Report: | 09-03-2020 | Length: | 1968 mm |
| Meas.-no.: | 01 | Width: | 90 mm |
| Lamp type: | LED 830 - 01 | Height: | 54 mm |
| Number: | 01 | Power: | 102,36 W |
| Lamp flux: | 15120,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 09-03-2020 12:10:42 | Output ratio: | 57,8 % |

Protocol

LiTG-class: B11
UTE-class: Not available
IES-class: 10 - 32 - 64 - 68 - 58
TM5-class: BZ10

| | | |
|--|------------|----------|
| Divergences in the plane through maximum intensity: | Horizontal | Vertical |
| One half peak divergence | 0,0° | 195,0° |
| Half peak side angle (left) | -9999,0° | -97,5° |
| Half peak side angle (right) | -9999,0° | 97,5° |
| One tenth peak divergence | 0,0° | 314,9° |
| Tenth peak side angle (left) | -9999,0° | -157,5° |
| Tenth peak side angle (right) | -9999,0° | 157,5° |

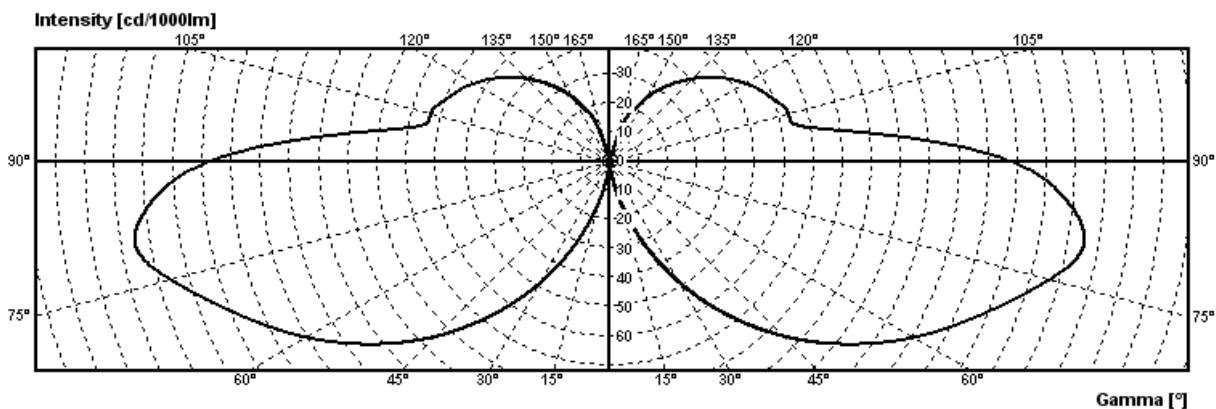
| | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| C-planes: | 0,0° | 15,0° | 30,0° | 45,0° | 60,0° | 75,0° | 90,0° | 105,0° | 120,0° | 135,0° |
| | 150,0° | 165,0° | 180,0° | 195,0° | 210,0° | 225,0° | 240,0° | 255,0° | 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° | 95,0° |
| | 100,0° | 105,0° | 110,0° | 115,0° | 120,0° | 125,0° | 130,0° | 135,0° | 140,0° | 145,0° |
| | 150,0° | 155,0° | 160,0° | 165,0° | 170,0° | 175,0° | 180,0° | | | |

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Polar diagram REBA 50 /W EXT L1968+INT D/I BLINE 830 HO / Total 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 | 21,4 | 22,7 | 22,1 | 23,5 | 24,5 | 15,4 | 16,7 | 16,1 | 17,5 | 18,5 |
| 2H | 3H | 24,7 | 26,0 | 25,4 | 26,8 | 27,8 | 17,4 | 18,7 | 18,2 | 19,5 | 20,5 |
| 2H | 4H | 26,4 | 27,6 | 27,2 | 28,5 | 29,5 | 18,4 | 19,7 | 19,2 | 20,5 | 21,5 |
| 2H | 6H | 28,1 | 29,3 | 28,9 | 30,1 | 31,1 | 19,5 | 20,6 | 20,2 | 21,4 | 22,5 |
| 2H | 8H | 28,9 | 30,0 | 29,6 | 30,8 | 31,8 | 19,9 | 21,0 | 20,7 | 21,9 | 22,9 |
| 2H | 12H | 29,5 | 30,6 | 30,3 | 31,5 | 32,5 | 20,3 | 21,4 | 21,1 | 22,3 | 23,3 |
| 4H | 2H | 22,1 | 23,3 | 22,8 | 24,1 | 25,1 | 18,6 | 19,8 | 19,3 | 20,6 | 21,6 |
| 4H | 3H | 25,6 | 26,8 | 26,4 | 27,6 | 28,6 | 20,8 | 21,9 | 21,6 | 22,8 | 23,8 |
| 4H | 4H | 27,6 | 28,6 | 28,4 | 29,5 | 30,5 | 22,0 | 23,0 | 22,8 | 23,9 | 24,9 |
| 4H | 6H | 29,5 | 30,4 | 30,3 | 31,3 | 32,3 | 23,0 | 23,9 | 23,8 | 24,8 | 25,8 |
| 4H | 8H | 30,4 | 31,3 | 31,2 | 32,1 | 33,2 | 23,4 | 24,3 | 24,2 | 25,2 | 26,2 |
| 4H | 12H | 31,2 | 32,0 | 32,0 | 32,9 | 33,9 | 23,8 | 24,7 | 24,6 | 25,5 | 26,6 |
| 8H | 4H | 28,0 | 28,9 | 28,8 | 29,8 | 30,8 | 24,0 | 24,9 | 24,8 | 25,7 | 26,8 |
| 8H | 6H | 30,2 | 31,0 | 31,0 | 31,8 | 32,9 | 25,3 | 26,1 | 26,2 | 27,0 | 28,1 |
| 8H | 8H | 31,3 | 32,0 | 32,1 | 32,9 | 33,9 | 26,0 | 26,7 | 26,8 | 27,6 | 28,7 |
| 8H | 12H | 32,3 | 32,9 | 33,1 | 33,8 | 34,9 | 26,5 | 27,1 | 27,3 | 28,0 | 29,1 |
| 12H | 4H | 28,1 | 28,9 | 28,9 | 29,8 | 30,9 | 24,5 | 25,4 | 25,3 | 26,2 | 27,3 |
| 12H | 6H | 30,4 | 31,1 | 31,2 | 32,0 | 33,0 | 26,1 | 26,8 | 27,0 | 27,7 | 28,8 |
| 12H | 8H | 31,5 | 32,1 | 32,3 | 33,0 | 34,1 | 26,9 | 27,5 | 27,7 | 28,4 | 29,5 |

UGR values are corrected for lamp flux of 15120 lm by 9,4

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Luminance [cd/m²] REBA 50 /W EXT L1968+INT D/I BLINE 830 HO / Total 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 | 16846,2 | 16683,5 | 15901,1 | 14554,0 | 12276,4 | 7885,52 | 24329,2 | 7885,52 | 12276,4 |
| 50,00 | 17811,2 | 17640,3 | 16815,5 | 15497,4 | 13325,7 | 8996,24 | 27519,9 | 8996,24 | 13325,7 |
| 55,00 | 18727,8 | 18515,3 | 17662,8 | 16332,3 | 14323,0 | 10123,3 | 31539,0 | 10123,3 | 14323,0 |
| 60,00 | 19645,1 | 19383,0 | 18469,0 | 17106,9 | 15162,9 | 11206,9 | 36841,1 | 11206,9 | 15162,9 |
| 65,00 | 20552,5 | 20305,6 | 19296,4 | 17901,0 | 15916,0 | 12277,1 | 44135,2 | 12277,1 | 15916,0 |
| 70,00 | 21609,3 | 21293,0 | 20187,0 | 18734,7 | 16696,8 | 13308,6 | 54679,6 | 13308,6 | 16696,8 |
| 75,00 | 22928,9 | 22538,7 | 21274,0 | 19668,3 | 17605,5 | 14295,5 | 71816,0 | 14295,5 | 17605,5 |
| 80,00 | 23822,6 | 23664,7 | 22331,6 | 20755,3 | 18535,8 | 15217,3 | 105265, | 15217,3 | 18535,8 |
| 85,00 | 22505,9 | 22360,1 | 21424,1 | 20408,6 | 18657,0 | 15438,0 | 202834, | 15438,0 | 18657,0 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 14554,0 | 15901,1 | 16683,5 | 16846,2 | 16683,5 | 15901,1 | 14554,0 | 12276,4 | 7885,52 |
| 50,00 | 15497,4 | 16815,5 | 17640,3 | 17811,2 | 17640,3 | 16815,5 | 15497,4 | 13325,7 | 8996,24 |
| 55,00 | 16332,3 | 17662,8 | 18515,3 | 18727,8 | 18515,3 | 17662,8 | 16332,3 | 14323,0 | 10123,3 |
| 60,00 | 17106,9 | 18469,0 | 19383,0 | 19645,1 | 19383,0 | 18469,0 | 17106,9 | 15162,9 | 11206,9 |
| 65,00 | 17901,0 | 19296,4 | 20305,6 | 20552,5 | 20305,6 | 19296,4 | 17901,0 | 15916,0 | 12277,1 |
| 70,00 | 18734,7 | 20187,0 | 21293,0 | 21609,3 | 21293,0 | 20187,0 | 18734,7 | 16696,8 | 13308,6 |
| 75,00 | 19668,3 | 21274,0 | 22538,7 | 22928,9 | 22538,7 | 21274,0 | 19668,3 | 17605,5 | 14295,5 |
| 80,00 | 20755,3 | 22331,6 | 23664,7 | 23822,6 | 23664,7 | 22331,6 | 20755,3 | 18535,8 | 15217,3 |
| 85,00 | 20408,6 | 21424,1 | 22360,1 | 22505,9 | 22360,1 | 21424,1 | 20408,6 | 18657,0 | 15438,0 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 24329,2 | 7885,52 | 12276,4 | 14554,0 | 15901,1 | 16683,5 |
| 50,00 | 27519,9 | 8996,24 | 13325,7 | 15497,4 | 16815,5 | 17640,3 |
| 55,00 | 31539,0 | 10123,3 | 14323,0 | 16332,3 | 17662,8 | 18515,3 |
| 60,00 | 36841,1 | 11206,9 | 15162,9 | 17106,9 | 18469,0 | 19383,0 |
| 65,00 | 44135,2 | 12277,1 | 15916,0 | 17901,0 | 19296,4 | 20305,6 |
| 70,00 | 54679,6 | 13308,6 | 16696,8 | 18734,7 | 20187,0 | 21293,0 |
| 75,00 | 71816,0 | 14295,5 | 17605,5 | 19668,3 | 21274,0 | 22538,7 |
| 80,00 | 105265, | 15217,3 | 18535,8 | 20755,3 | 22331,6 | 23664,7 |
| 85,00 | 202834, | 15438,0 | 18657,0 | 20408,6 | 21424,1 | 22360,1 |

HEADQUARTERS

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REBA 50 /W EXT L1968+INT D/I BLINE 830 HO

Luminance [cd/m²] REBA 50 /W EXT L1968+INT D/I BLINE 830 HO / Total in 15° C / 5° G