

PHOTOMETRIC RESULTS

| | | | |
|------------|--|---------------|------------------|
| Name: | REBA 50 /E EXT LINE L2524 MID+INT SYM BGLARE K3 840 HO | | |
| Number: | 90506+90498L009 | Diameter: | 0 mm |
| Report: | 24-01-2020 | Length: | 2524 mm |
| Meas.-no.: | 01 | Width: | 62 mm |
| Lamp type: | LED 840 - 01 | Height: | 72 mm |
| Number: | 01 | Power: | 65,74 W |
| Lamp flux: | 10620,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 24-01-2020 12:15:48 | Output ratio: | 62,0 % |

Protocol

LiTG-class: A50
UTE-class: 0,62 C
IES-class: 63 - 88 - 97 - 100 - 62
TM5-class: BZ2/1.25/BZ3/2.00/BZ2/2.50/BZ3

Divergences in the plane through maximum intensity:

| | Horizontal | Vertical |
|-------------------------------|------------|----------|
| One half peak divergence | 81,1° | 80,4° |
| Half peak side angle (left) | -40,6° | -40,2° |
| Half peak side angle (right) | 40,6° | 40,2° |
| One tenth peak divergence | 133,4° | 138,5° |
| Tenth peak side angle (left) | -66,7° | -69,2° |
| Tenth peak side angle (right) | 66,7° | 69,2° |

| | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 L2524 MID+INT SYM BGLARE K3 840 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 | 17,1 | 18,5 | 17,5 | 18,9 | 19,2 | 18,8 | 20,3 | 19,2 | 20,6 | 20,9 |
| 2H | 3H | 17,6 | 18,9 | 18,0 | 19,2 | 19,6 | 19,4 | 20,7 | 19,8 | 21,1 | 21,4 |
| 2H | 4H | 17,8 | 19,0 | 18,1 | 19,3 | 19,7 | 19,7 | 20,9 | 20,1 | 21,3 | 21,6 |
| 2H | 6H | 17,9 | 19,0 | 18,3 | 19,4 | 19,8 | 19,9 | 21,0 | 20,3 | 21,4 | 21,8 |
| 2H | 8H | 17,9 | 19,0 | 18,3 | 19,3 | 19,7 | 19,9 | 21,0 | 20,3 | 21,4 | 21,8 |
| 2H | 12H | 17,9 | 18,9 | 18,3 | 19,3 | 19,7 | 19,9 | 21,0 | 20,4 | 21,4 | 21,8 |
| 4H | 2H | 17,4 | 18,6 | 17,8 | 19,0 | 19,4 | 18,9 | 20,2 | 19,3 | 20,5 | 20,9 |
| 4H | 3H | 18,0 | 19,0 | 18,4 | 19,4 | 19,8 | 19,6 | 20,7 | 20,1 | 21,1 | 21,5 |
| 4H | 4H | 18,3 | 19,2 | 18,8 | 19,6 | 20,1 | 20,0 | 20,9 | 20,4 | 21,3 | 21,8 |
| 4H | 6H | 18,5 | 19,3 | 18,9 | 19,7 | 20,2 | 20,2 | 21,0 | 20,7 | 21,5 | 21,9 |
| 4H | 8H | 18,5 | 19,3 | 19,0 | 19,7 | 20,2 | 20,3 | 21,1 | 20,8 | 21,5 | 22,0 |
| 4H | 12H | 18,5 | 19,2 | 19,0 | 19,7 | 20,2 | 20,4 | 21,1 | 20,9 | 21,5 | 22,0 |
| 8H | 4H | 18,4 | 19,1 | 18,8 | 19,6 | 20,0 | 20,0 | 20,7 | 20,4 | 21,2 | 21,6 |
| 8H | 6H | 18,6 | 19,2 | 19,1 | 19,7 | 20,2 | 20,2 | 20,9 | 20,7 | 21,3 | 21,8 |
| 8H | 8H | 18,7 | 19,2 | 19,2 | 19,8 | 20,3 | 20,4 | 20,9 | 20,9 | 21,5 | 21,9 |
| 8H | 12H | 18,7 | 19,2 | 19,3 | 19,7 | 20,2 | 20,5 | 20,9 | 21,0 | 21,4 | 22,0 |
| 12H | 4H | 18,4 | 19,1 | 18,9 | 19,5 | 20,0 | 20,0 | 20,6 | 20,4 | 21,1 | 21,6 |
| 12H | 6H | 18,6 | 19,2 | 19,1 | 19,7 | 20,2 | 20,3 | 20,8 | 20,8 | 21,3 | 21,8 |
| 12H | 8H | 18,7 | 19,2 | 19,2 | 19,7 | 20,2 | 20,4 | 20,8 | 20,9 | 21,4 | 21,9 |

UGR values are corrected for lamp flux of 10620 lm by 8,2

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Luminance [cd/m²] REBA 50 /E EXT LINE L2524 MID+INT SYM BGLARE K3 840 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 | 6743,15 | 6902,48 | 7544,64 | 8576,88 | 9969,71 | 12316,4 | 17025,5 | 12316,4 | 9969,71 |
| 50,00 | 5111,17 | 5212,17 | 5668,68 | 6506,24 | 7671,18 | 9557,39 | 13864,5 | 9557,39 | 7671,18 |
| 55,00 | 3824,42 | 3881,71 | 4283,00 | 4838,84 | 5733,43 | 7266,05 | 11183,0 | 7266,05 | 5733,43 |
| 60,00 | 2860,54 | 2877,86 | 3222,18 | 3554,66 | 4277,82 | 5543,91 | 9194,95 | 5543,91 | 4277,82 |
| 65,00 | 2132,19 | 2139,79 | 2364,65 | 2630,29 | 3179,72 | 4193,35 | 7614,00 | 4193,35 | 3179,72 |
| 70,00 | 1598,37 | 1632,88 | 1778,15 | 1958,19 | 2375,86 | 3198,76 | 6377,46 | 3198,76 | 2375,86 |
| 75,00 | 1191,48 | 1225,45 | 1314,39 | 1444,12 | 1746,02 | 2462,56 | 5553,56 | 2462,56 | 1746,02 |
| 80,00 | 813,59 | 817,29 | 896,51 | 964,74 | 1196,32 | 1776,38 | 4802,87 | 1776,38 | 1196,32 |
| 85,00 | 437,96 | 444,03 | 496,58 | 521,39 | 651,91 | 979,66 | 3816,04 | 979,66 | 651,91 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 8576,88 | 7544,64 | 6902,48 | 6743,15 | 6902,48 | 7544,64 | 8576,88 | 9969,71 | 12316,4 |
| 50,00 | 6506,24 | 5668,68 | 5212,17 | 5111,17 | 5212,17 | 5668,68 | 6506,24 | 7671,18 | 9557,39 |
| 55,00 | 4838,84 | 4283,00 | 3881,71 | 3824,42 | 3881,71 | 4283,00 | 4838,84 | 5733,43 | 7266,05 |
| 60,00 | 3554,66 | 3222,18 | 2877,86 | 2860,54 | 2877,86 | 3222,18 | 3554,66 | 4277,82 | 5543,91 |
| 65,00 | 2630,29 | 2364,65 | 2139,79 | 2132,19 | 2139,79 | 2364,65 | 2630,29 | 3179,72 | 4193,35 |
| 70,00 | 1958,19 | 1778,15 | 1632,88 | 1598,37 | 1632,88 | 1778,15 | 1958,19 | 2375,86 | 3198,76 |
| 75,00 | 1444,12 | 1314,39 | 1225,45 | 1191,48 | 1225,45 | 1314,39 | 1444,12 | 1746,02 | 2462,56 |
| 80,00 | 964,74 | 896,51 | 817,29 | 813,59 | 817,29 | 896,51 | 964,74 | 1196,32 | 1776,38 |
| 85,00 | 521,39 | 496,58 | 444,03 | 437,96 | 444,03 | 496,58 | 521,39 | 651,91 | 979,66 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 17025,5 | 12316,4 | 9969,71 | 8576,88 | 7544,64 | 6902,48 |
| 50,00 | 13864,5 | 9557,39 | 7671,18 | 6506,24 | 5668,68 | 5212,17 |
| 55,00 | 11183,0 | 7266,05 | 5733,43 | 4838,84 | 4283,00 | 3881,71 |
| 60,00 | 9194,95 | 5543,91 | 4277,82 | 3554,66 | 3222,18 | 2877,86 |
| 65,00 | 7614,00 | 4193,35 | 3179,72 | 2630,29 | 2364,65 | 2139,79 |
| 70,00 | 6377,46 | 3198,76 | 2375,86 | 1958,19 | 1778,15 | 1632,88 |
| 75,00 | 5553,56 | 2462,56 | 1746,02 | 1444,12 | 1314,39 | 1225,45 |
| 80,00 | 4802,87 | 1776,38 | 1196,32 | 964,74 | 896,51 | 817,29 |
| 85,00 | 3816,04 | 979,66 | 651,91 | 521,39 | 496,58 | 444,03 |

HEADQUARTERS

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