

PHOTOMETRIC RESULTS

| | | | |
|-------------------|------------------------------|----------------------|------------------|
| Name: | TTP 50 360 HRZ L0570 TOP 840 | | |
| Number: | 90677L060 | Diameter: | 0 mm |
| Report: | 16-12-2021 | Length: | 572 mm |
| Meas.-no.: | 01 | Width: | 50 mm |
| Lamp type: | LED 840 - 01 | Height: | 50 mm |
| Number: | 1 | Power: | 10,46 W |
| Lamp flux: | 1200,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 16/12/2021 15:25:57 | Output ratio: | 75,8 % |

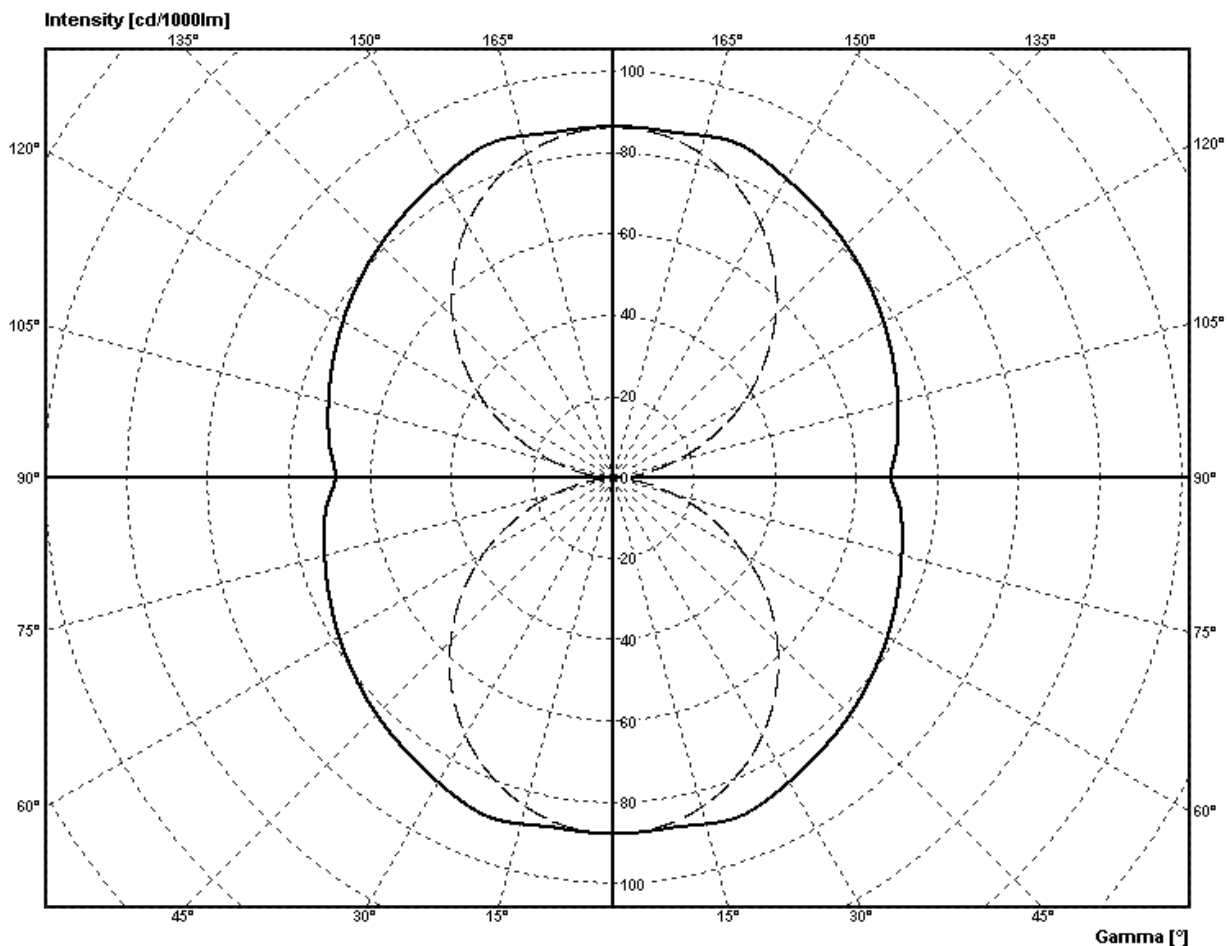
Info

| | | | | | | | | | | |
|---|------------------------|--------|--------|--------|--------|------------|--------|----------|--------|--------|
| LiTG-class: | C22 | | | | | | | | | |
| UTE-class: | 0,38 H + 0,38 T | | | | | | | | | |
| IES-class: | 33 - 60 - 82 - 50 - 76 | | | | | | | | | |
| TM5-class: | BZ10/0.75/BZ6 | | | | | | | | | |
| Divergences in the plane through maximum intensity: | | | | | | Horizontal | | Vertical | | |
| One half peak divergence: | | | | | | 110,3° | | --- | | |
| Half peak side angle (left): | | | | | | -55,1° | | --- | | |
| Half peak side angle (right): | | | | | | 55,3° | | --- | | |
| One tenth peak divergence: | | | | | | 160,1° | | --- | | |
| Tenth peak side angle (left): | | | | | | -80,2° | | --- | | |
| Tenth peak side angle (right): | | | | | | 79,9° | | --- | | |
| | | | | | | | | | | |
| 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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| Lamp type: | LED 840 - 01 | Height: | 50 mm |
| Number: | 1 | Power: | 10,46 W |
| Lamp flux: | 1200,00 lm | Operator: | INDELAGUE GROUP |
| Date: | 16/12/2021 15:25:57 | Output ratio: | 75,8 % |

Polar diagram TTP 50 360 HRZ L0570 TOP 840 / 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 | 12,0 | 13,0 | 13,0 | 14,0 | 15,2 | 10,5 | 11,4 | 11,4 | 12,4 | 13,7 |
| 2H | 3H | 14,5 | 15,4 | 15,5 | 16,4 | 17,7 | 11,9 | 12,8 | 12,9 | 13,8 | 15,1 |
| 2H | 4H | 15,9 | 16,7 | 16,8 | 17,7 | 19,0 | 12,5 | 13,3 | 13,5 | 14,3 | 15,6 |
| 2H | 6H | 17,2 | 18,0 | 18,2 | 19,0 | 20,3 | 12,9 | 13,7 | 13,9 | 14,7 | 16,0 |
| 2H | 8H | 17,8 | 18,6 | 18,8 | 19,6 | 20,9 | 13,0 | 13,8 | 14,0 | 14,8 | 16,1 |
| 2H | 12H | 18,4 | 19,2 | 19,4 | 20,2 | 21,5 | 13,1 | 13,8 | 14,0 | 14,8 | 16,1 |
| 4H | 2H | 12,7 | 13,5 | 13,6 | 14,5 | 15,8 | 11,5 | 12,4 | 12,5 | 13,3 | 14,6 |
| 4H | 3H | 15,4 | 16,1 | 16,4 | 17,1 | 18,4 | 13,2 | 13,9 | 14,2 | 14,9 | 16,2 |
| 4H | 4H | 16,9 | 17,6 | 17,9 | 18,6 | 19,9 | 14,0 | 14,6 | 15,0 | 15,6 | 17,0 |
| 4H | 6H | 18,4 | 19,0 | 19,4 | 20,1 | 21,4 | 14,5 | 15,1 | 15,5 | 16,1 | 17,4 |
| 4H | 8H | 19,2 | 19,8 | 20,2 | 20,8 | 22,1 | 14,7 | 15,3 | 15,7 | 16,3 | 17,6 |
| 4H | 12H | 20,0 | 20,5 | 21,0 | 21,5 | 22,9 | 14,8 | 15,3 | 15,8 | 16,4 | 17,7 |
| 8H | 4H | 17,3 | 17,8 | 18,3 | 18,9 | 20,2 | 14,9 | 15,4 | 15,9 | 16,4 | 17,8 |
| 8H | 6H | 19,0 | 19,5 | 20,0 | 20,5 | 21,9 | 15,7 | 16,2 | 16,7 | 17,2 | 18,6 |
| 8H | 8H | 20,0 | 20,4 | 21,0 | 21,5 | 22,8 | 16,1 | 16,5 | 17,1 | 17,6 | 18,9 |
| 8H | 12H | 21,0 | 21,3 | 22,0 | 22,4 | 23,7 | 16,3 | 16,7 | 17,3 | 17,7 | 19,1 |
| 12H | 4H | 17,3 | 17,8 | 18,3 | 18,8 | 20,2 | 15,1 | 15,6 | 16,1 | 16,6 | 18,0 |
| 12H | 6H | 19,2 | 19,6 | 20,2 | 20,6 | 22,0 | 16,2 | 16,6 | 17,2 | 17,6 | 19,0 |
| 12H | 8H | 20,2 | 20,5 | 21,2 | 21,6 | 23,0 | 16,7 | 17,0 | 17,7 | 18,1 | 19,4 |

UGR values are corrected for lamp flux of 1200 lm by 0,6

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Luminance [cd/m²] TTP 50 360 HRZ L0570 TOP 840 / 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 | 2478,29 | 2446,83 | 2413,50 | 2410,00 | 2481,72 | 2661,05 | 3145,59 | 2661,05 | 2481,72 |
| 50,00 | 2445,21 | 2404,79 | 2354,84 | 2322,42 | 2351,49 | 2525,73 | 3032,40 | 2525,73 | 2351,49 |
| 55,00 | 2428,69 | 2383,24 | 2313,93 | 2249,50 | 2231,29 | 2378,58 | 2894,46 | 2378,58 | 2231,29 |
| 60,00 | 2431,39 | 2377,69 | 2290,36 | 2193,32 | 2118,66 | 2203,24 | 2723,67 | 2203,24 | 2118,66 |
| 65,00 | 2449,56 | 2388,62 | 2284,43 | 2154,71 | 2021,51 | 2005,63 | 2511,04 | 2005,63 | 2021,51 |
| 70,00 | 2491,11 | 2422,03 | 2300,26 | 2137,74 | 1940,68 | 1798,51 | 2239,69 | 1798,51 | 1940,68 |
| 75,00 | 2557,04 | 2480,67 | 2346,81 | 2155,68 | 1897,69 | 1608,62 | 1889,77 | 1608,62 | 1897,69 |
| 80,00 | 2653,73 | 2570,95 | 2430,50 | 2220,19 | 1905,42 | 1448,19 | 1428,39 | 1448,19 | 1905,42 |
| 85,00 | 2778,98 | 2696,38 | 2556,11 | 2335,90 | 1951,65 | 1283,67 | 833,93 | 1283,67 | 1951,65 |

| G/C [cd] | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 2410,00 | 2413,50 | 2446,83 | 2478,29 | 2446,83 | 2413,50 | 2410,00 | 2481,72 | 2661,05 |
| 50,00 | 2322,42 | 2354,84 | 2404,79 | 2445,21 | 2404,79 | 2354,84 | 2322,42 | 2351,49 | 2525,73 |
| 55,00 | 2249,50 | 2313,93 | 2383,24 | 2428,69 | 2383,24 | 2313,93 | 2249,50 | 2231,29 | 2378,58 |
| 60,00 | 2193,32 | 2290,36 | 2377,69 | 2431,39 | 2377,69 | 2290,36 | 2193,32 | 2118,66 | 2203,24 |
| 65,00 | 2154,71 | 2284,43 | 2388,62 | 2449,56 | 2388,62 | 2284,43 | 2154,71 | 2021,51 | 2005,63 |
| 70,00 | 2137,74 | 2300,26 | 2422,03 | 2491,11 | 2422,03 | 2300,26 | 2137,74 | 1940,68 | 1798,51 |
| 75,00 | 2155,68 | 2346,81 | 2480,67 | 2557,04 | 2480,67 | 2346,81 | 2155,68 | 1897,69 | 1608,62 |
| 80,00 | 2220,19 | 2430,50 | 2570,95 | 2653,73 | 2570,95 | 2430,50 | 2220,19 | 1905,42 | 1448,19 |
| 85,00 | 2335,90 | 2556,11 | 2696,38 | 2778,98 | 2696,38 | 2556,11 | 2335,90 | 1951,65 | 1283,67 |

| G/C [cd] | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 3145,59 | 2661,05 | 2481,72 | 2410,00 | 2413,50 | 2446,83 |
| 50,00 | 3032,40 | 2525,73 | 2351,49 | 2322,42 | 2354,84 | 2404,79 |
| 55,00 | 2894,46 | 2378,58 | 2231,29 | 2249,50 | 2313,93 | 2383,24 |
| 60,00 | 2723,67 | 2203,24 | 2118,66 | 2193,32 | 2290,36 | 2377,69 |
| 65,00 | 2511,04 | 2005,63 | 2021,51 | 2154,71 | 2284,43 | 2388,62 |
| 70,00 | 2239,69 | 1798,51 | 1940,68 | 2137,74 | 2300,26 | 2422,03 |
| 75,00 | 1889,77 | 1608,62 | 1897,69 | 2155,68 | 2346,81 | 2480,67 |
| 80,00 | 1428,39 | 1448,19 | 1905,42 | 2220,19 | 2430,50 | 2570,95 |
| 85,00 | 833,93 | 1283,67 | 1951,65 | 2335,90 | 2556,11 | 2696,38 |