

## PHOTOMETRIC RESULTS

|                   |                            |                      |                  |
|-------------------|----------------------------|----------------------|------------------|
| <b>Name:</b>      | TALEA L1438 bLINE HF 840 W |                      |                  |
| <b>Number:</b>    | 01                         | <b>Diameter:</b>     | 0 mm             |
| <b>Report:</b>    | 24-01-2019                 | <b>Length:</b>       | 1438 mm          |
| <b>Meas.-no.:</b> | 01                         | <b>Width:</b>        | 100 mm           |
| <b>Lamp type:</b> | LED 840 - 01               | <b>Height:</b>       | 100 mm           |
| <b>Number:</b>    | 1                          | <b>Power:</b>        | 43,47 W          |
| <b>Lamp flux:</b> | 6640,00 lm                 | <b>Operator:</b>     | INDEL AGUE GROUP |
| <b>Date:</b>      | 24-01-2019 10:59:26        | <b>Output ratio:</b> | 80,7 %           |

## Protocol

**LiTG-class:** B31  
**UTE-class:** 0,62 H + 0,19 T  
**IES-class:** 35 - 62 - 84 - 77 - 81  
**TM5-class:** BZ10/0.75/BZ6

|  |            |          |
|--|------------|----------|
| <b>Divergences in the plane through maximum intensity:</b> | Horizontal | Vertical |
| <b>One half peak divergence</b>                            | 104,4°     | 203,6°   |
| <b>Half peak side angle (left)</b>                         | -54,3°     | -101,8°  |
| <b>Half peak side angle (right)</b>                        | 50,1°      | 101,8°   |
| <b>One tenth peak divergence</b>                           | 158,5°     | 314,2°   |
| <b>Tenth peak side angle (left)</b>                        | -81,3°     | -157,1°  |
| <b>Tenth peak side angle (right)</b>                       | 77,2°      | 157,1°   |

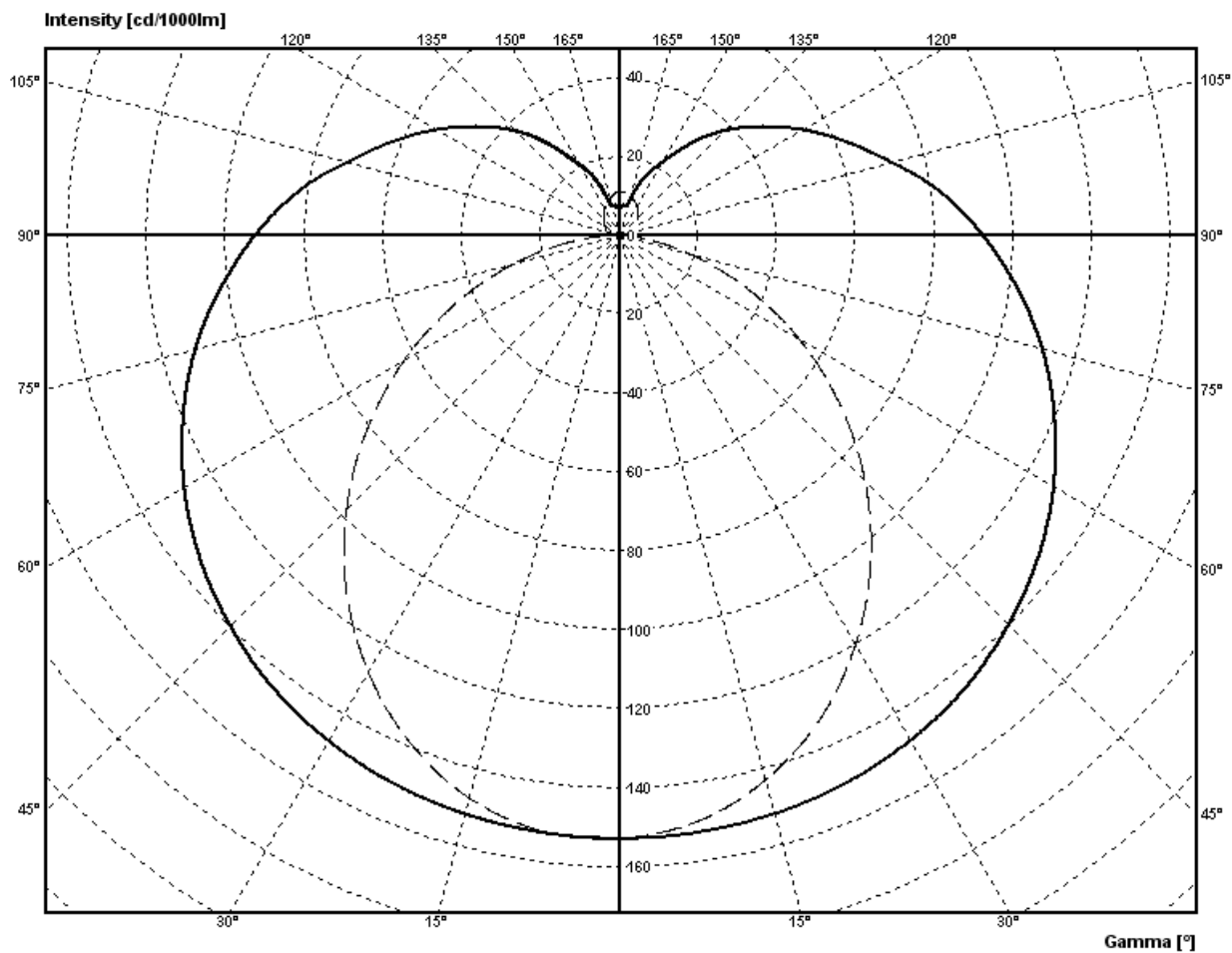
|                  |        |        |        |        |        |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>C-planes:</b> | 0,0°   | 15,0°  | 30,0°  | 45,0°  | 60,0°  | 75,0°  | 90,0°  | 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° |        |        |        |        |        |        |

|               |        |        |        |        |        |        |        |        |        |        |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Gamma:</b> | 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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| <b>Report:</b>    | 24-01-2019                        | <b>Length:</b>       | 1438 mm         |
| <b>Meas.-no.:</b> | 01                                | <b>Width:</b>        | 100 mm          |
| <b>Lamp type:</b> | LED 840 - 01                      | <b>Height:</b>       | 100 mm          |
| <b>Number:</b>    | 1                                 | <b>Power:</b>        | 43,47 W         |
| <b>Lamp flux:</b> | 6640,00 lm                        | <b>Operator:</b>     | INDELAGUE GROUP |
| <b>Date:</b>      | 24-01-2019 10:59:26               | <b>Output ratio:</b> | 80,7 %          |

Polar diagram TALEA L1438 bLINE HF 840 W / Total in 15° C / 5° G



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## UGR Unified Glare Ratios

|                                 |            |                  |            |            |            |            |                |            |            |            |            |
|---------------------------------|------------|------------------|------------|------------|------------|------------|----------------|------------|------------|------------|------------|
| <b>Ceiling reflectance</b>      |            | <b>0,7</b>       | <b>0,7</b> | <b>0,5</b> | <b>0,5</b> | <b>0,3</b> | <b>0,7</b>     | <b>0,7</b> | <b>0,5</b> | <b>0,5</b> | <b>0,3</b> |
| <b>Wall reflectance</b>         |            | <b>0,5</b>       | <b>0,3</b> | <b>0,5</b> | <b>0,3</b> | <b>0,3</b> | <b>0,5</b>     | <b>0,3</b> | <b>0,5</b> | <b>0,3</b> | <b>0,3</b> |
| <b>Floor cavity reflectance</b> |            | <b>0,2</b>       | <b>0,2</b> | <b>0,2</b> | <b>0,2</b> | <b>0,2</b> | <b>0,2</b>     | <b>0,2</b> | <b>0,2</b> | <b>0,2</b> | <b>0,2</b> |
| <b>Room dimension</b>           |            | Viewed crosswise |            |            |            |            | Viewed endwise |            |            |            |            |
| <b>2H</b>                       | <b>2H</b>  | 16,2             | 17,5       | 16,9       | 18,2       | 19,1       | 14,6           | 15,9       | 15,3       | 16,6       | 17,4       |
| <b>2H</b>                       | <b>3H</b>  | 18,6             | 19,8       | 19,3       | 20,5       | 21,3       | 16,0           | 17,2       | 16,7       | 17,9       | 18,8       |
| <b>2H</b>                       | <b>4H</b>  | 19,8             | 20,9       | 20,5       | 21,6       | 22,5       | 16,6           | 17,7       | 17,3       | 18,5       | 19,3       |
| <b>2H</b>                       | <b>6H</b>  | 21,0             | 22,0       | 21,7       | 22,8       | 23,7       | 17,0           | 18,1       | 17,7       | 18,8       | 19,7       |
| <b>2H</b>                       | <b>8H</b>  | 21,5             | 22,5       | 22,2       | 23,3       | 24,2       | 17,1           | 18,2       | 17,8       | 18,9       | 19,8       |
| <b>2H</b>                       | <b>12H</b> | 22,0             | 23,0       | 22,7       | 23,8       | 24,7       | 17,2           | 18,2       | 17,9       | 19,0       | 19,9       |
| <b>4H</b>                       | <b>2H</b>  | 16,9             | 18,0       | 17,6       | 18,7       | 19,6       | 15,6           | 16,8       | 16,3       | 17,5       | 18,4       |
| <b>4H</b>                       | <b>3H</b>  | 19,4             | 20,4       | 20,2       | 21,2       | 22,1       | 17,3           | 18,3       | 18,0       | 19,1       | 20,0       |
| <b>4H</b>                       | <b>4H</b>  | 20,9             | 21,8       | 21,6       | 22,5       | 23,4       | 18,1           | 19,0       | 18,8       | 19,8       | 20,7       |
| <b>4H</b>                       | <b>6H</b>  | 22,2             | 23,0       | 23,0       | 23,8       | 24,7       | 18,6           | 19,5       | 19,4       | 20,3       | 21,2       |
| <b>4H</b>                       | <b>8H</b>  | 22,9             | 23,7       | 23,6       | 24,4       | 25,4       | 18,9           | 19,6       | 19,6       | 20,4       | 21,3       |
| <b>4H</b>                       | <b>12H</b> | 23,6             | 24,3       | 24,3       | 25,1       | 26,0       | 19,0           | 19,8       | 19,8       | 20,5       | 21,5       |
| <b>8H</b>                       | <b>4H</b>  | 21,2             | 22,0       | 22,0       | 22,8       | 23,7       | 18,9           | 19,7       | 19,7       | 20,5       | 21,4       |
| <b>8H</b>                       | <b>6H</b>  | 22,8             | 23,5       | 23,6       | 24,2       | 25,2       | 19,7           | 20,4       | 20,5       | 21,2       | 22,2       |
| <b>8H</b>                       | <b>8H</b>  | 23,7             | 24,3       | 24,5       | 25,1       | 26,0       | 20,2           | 20,8       | 21,0       | 21,6       | 22,5       |
| <b>8H</b>                       | <b>12H</b> | 24,5             | 25,0       | 25,3       | 25,9       | 26,8       | 20,5           | 21,0       | 21,2       | 21,8       | 22,8       |
| <b>12H</b>                      | <b>4H</b>  | 21,2             | 22,0       | 22,0       | 22,7       | 23,7       | 19,1           | 19,9       | 19,9       | 20,6       | 21,6       |
| <b>12H</b>                      | <b>6H</b>  | 22,9             | 23,5       | 23,7       | 24,3       | 25,3       | 20,2           | 20,8       | 21,0       | 21,6       | 22,5       |
| <b>12H</b>                      | <b>8H</b>  | 23,8             | 24,4       | 24,6       | 25,2       | 26,1       | 20,7           | 21,2       | 21,4       | 22,0       | 23,0       |

UGR values are corrected for lamp flux of 6640 lm by 6,6

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Luminance [cd/m<sup>2</sup>] TALEA L1438 bLINE HF 840 W / 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    | 4593,26 | 4589,34 | 4561,85 | 4533,53 | 4663,95 | 5003,67 | 5422,82 | 5003,67 | 4663,95 |
| 50,00    | 4492,45 | 4481,76 | 4425,59 | 4360,86 | 4433,50 | 4721,08 | 5117,47 | 4721,08 | 4433,50 |
| 55,00    | 4409,05 | 4392,84 | 4310,93 | 4207,02 | 4215,26 | 4426,77 | 4771,21 | 4426,77 | 4215,26 |
| 60,00    | 4339,56 | 4320,79 | 4217,59 | 4071,02 | 4023,75 | 4142,75 | 4390,65 | 4142,75 | 4023,75 |
| 65,00    | 4280,68 | 4267,93 | 4140,22 | 3950,32 | 3835,84 | 3837,91 | 3925,27 | 3837,91 | 3835,84 |
| 70,00    | 4247,93 | 4228,00 | 4083,61 | 3861,06 | 3667,94 | 3524,92 | 3368,79 | 3524,92 | 3667,94 |
| 75,00    | 4228,47 | 4206,29 | 4049,91 | 3789,92 | 3533,29 | 3239,63 | 2735,93 | 3239,63 | 3533,29 |
| 80,00    | 4224,28 | 4209,74 | 4044,96 | 3757,90 | 3445,20 | 2953,19 | 2000,49 | 2953,19 | 3445,20 |
| 85,00    | 4242,76 | 4234,34 | 4065,06 | 3771,65 | 3418,06 | 2834,26 | 1298,62 | 2834,26 | 3418,06 |

| G/C [cd/ | 135,00  | 150,00  | 165,00  | 180,00  | 195,00  | 210,00  | 225,00  | 240,00  | 255,00  |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00    | 4533,53 | 4561,85 | 4589,34 | 4593,26 | 4501,28 | 4417,55 | 4359,91 | 4340,86 | 4613,20 |
| 50,00    | 4360,86 | 4425,59 | 4481,76 | 4492,45 | 4379,43 | 4269,16 | 4174,53 | 4094,20 | 4289,18 |
| 55,00    | 4207,02 | 4310,93 | 4392,84 | 4409,05 | 4282,23 | 4144,56 | 4008,04 | 3865,36 | 3971,12 |
| 60,00    | 4071,02 | 4217,59 | 4320,79 | 4339,56 | 4193,60 | 4037,68 | 3865,48 | 3654,60 | 3643,88 |
| 65,00    | 3950,32 | 4140,22 | 4267,93 | 4280,68 | 4127,88 | 3946,51 | 3733,90 | 3447,57 | 3297,83 |
| 70,00    | 3861,06 | 4083,61 | 4228,00 | 4247,93 | 4069,29 | 3873,52 | 3633,27 | 3277,14 | 2960,49 |
| 75,00    | 3789,92 | 4049,91 | 4206,29 | 4228,47 | 4038,04 | 3826,59 | 3559,78 | 3139,35 | 2631,41 |
| 80,00    | 3757,90 | 4044,96 | 4209,74 | 4224,28 | 4021,09 | 3802,72 | 3517,93 | 3050,89 | 2375,29 |
| 85,00    | 3771,65 | 4065,06 | 4234,34 | 4242,76 | 4027,84 | 3806,53 | 3518,09 | 3023,67 | 2216,84 |

| G/C [cd/ | 270,00  | 285,00  | 300,00  | 315,00  | 330,00  | 345,00  |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00    | 6019,65 | 4613,20 | 4340,86 | 4359,91 | 4417,55 | 4501,28 |
| 50,00    | 5786,78 | 4289,18 | 4094,20 | 4174,53 | 4269,16 | 4379,43 |
| 55,00    | 5517,68 | 3971,12 | 3865,36 | 4008,04 | 4144,56 | 4282,23 |
| 60,00    | 5230,67 | 3643,88 | 3654,60 | 3865,48 | 4037,68 | 4193,60 |
| 65,00    | 4874,12 | 3297,83 | 3447,57 | 3733,90 | 3946,51 | 4127,88 |
| 70,00    | 4475,84 | 2960,49 | 3277,14 | 3633,27 | 3873,52 | 4069,29 |
| 75,00    | 3970,08 | 2631,41 | 3139,35 | 3559,78 | 3826,59 | 4038,04 |
| 80,00    | 3360,82 | 2375,29 | 3050,89 | 3517,93 | 3802,72 | 4021,09 |
| 85,00    | 2628,15 | 2216,84 | 3023,67 | 3518,09 | 3806,53 | 4027,84 |

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