


# Photometric test report

|   |  |  |
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| <b>Family</b><br><b>DL® 50 mini LED</b> | <b>Order number: 5XA248D31F08JE</b><br><b>EAN: 4058352802953</b>   | <b>LP number</b><br><b>59078_152</b>             |
|   | <b>Version</b> post-top or side-entry mounting<br><b>Optic</b> asymmetric, wide distribution (ST1.0a G)<br><b>Cover</b> toughened safety glass<br><b>Lamps</b> LED 3000 K   CRI ≥ 70<br><b>Controlgear</b> ECG SITECO iQ<br><b>Rated values</b> Net luminous flux = 10300 lm<br>Power consumption = 66.0 W<br>Luminous efficacy = 156.1 lm/W | <b>serial documentation</b><br><b>03.04.2023</b> |



**Luminous intensity in cd/klm** C180-0 C195-15 C200-20 C270-90 **Imax: 489 cd/klm**



| Luminaire output ratios |        |
|-------------------------|--------|
| Eta                     | 100.0% |
| Eta 0° - 90°            | 100.0% |
| Eta 90° - 180°          | 0.0%   |

| Luminous intensity class acc. to EN13201-2 |       |
|--|-------|
| Class:                                     | G4    |
| Imax 70°                                   | 461.5 |
| Imax 80°                                   | 96.1  |
| Imax 90°                                   | 0.0   |
| Imax >90°                                  | 0.0   |
| Imax >95°                                  | 0.0   |

**Measurement conditions**  
DIN EN 13032 and DIN 5032

**Photometric test report**

|                                  |  |                               |
|----------------------------------|--|-------------------------------|
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|----------------------------------|--|-------------------------------|

**Envelope curve in cd/klm**      **KMK 67.5°**    **KMK 65°**    **KMK 62.5°**    **KMK 60°**      **siteco**



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| <b>Table of values for luminous intensities</b> |  | <b>Maximum luminous intensity</b>    |

siteco

| C-planes | 0°<br>180°                   | 5°<br>175° | 10°<br>170° | 15°<br>165° | 20°<br>160° | 25°<br>155° | 30°<br>150° | 35°<br>145° | 40°<br>140° | 45°<br>135° | 50°<br>130° | 55°<br>125° | 60°<br>120° |
|----------|------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| $\gamma$ | Luminous intensity in cd/klm |            |             |             |             |             |             |             |             |             |             |             |             |
| 0,0°     | 272.5                        | 272.5      | 272.5       | 272.5       | 272.5       | 272.5       | 272.5       | 272.5       | 272.5       | 272.5       | 272.5       | 272.5       | 272.5       |
| 2,5°     | 277.0                        | 276.4      | 275.2       | 274.5       | 273.0       | 273.7       | 272.9       | 273.0       | 271.2       | 271.2       | 271.1       | 271.2       | 271.4       |
| 5,0°     | 274.1                        | 274.0      | 274.4       | 271.9       | 270.1       | 269.9       | 268.3       | 270.2       | 270.2       | 270.8       | 270.6       | 270.2       | 268.6       |
| 7,5°     | 279.4                        | 277.3      | 274.8       | 274.9       | 272.6       | 273.0       | 273.3       | 271.7       | 269.4       | 269.4       | 269.0       | 268.1       | 269.4       |
| 10,0°    | 280.5                        | 276.6      | 274.8       | 277.0       | 280.8       | 278.6       | 272.2       | 269.6       | 269.1       | 273.3       | 273.9       | 275.3       | 275.6       |
| 12,5°    | 289.2                        | 286.8      | 282.7       | 281.0       | 277.9       | 277.4       | 280.6       | 282.2       | 279.8       | 279.6       | 278.5       | 279.4       | 279.1       |
| 15,0°    | 288.1                        | 289.0      | 288.6       | 282.0       | 281.9       | 284.6       | 284.1       | 287.9       | 291.2       | 290.4       | 290.4       | 287.4       | 286.6       |
| 17,5°    | 286.5                        | 287.8      | 285.5       | 285.9       | 286.0       | 290.2       | 291.3       | 295.8       | 292.3       | 291.9       | 293.7       | 291.6       | 289.1       |
| 20,0°    | 291.5                        | 292.4      | 288.6       | 292.7       | 293.0       | 298.5       | 297.4       | 298.5       | 297.9       | 297.2       | 297.4       | 296.1       | 295.5       |
| 22,5°    | 294.2                        | 287.4      | 289.6       | 295.1       | 298.6       | 301.7       | 301.5       | 304.4       | 301.6       | 303.0       | 304.1       | 302.2       | 302.9       |
| 25,0°    | 290.1                        | 291.1      | 297.6       | 301.1       | 304.1       | 306.9       | 304.1       | 310.9       | 311.8       | 314.8       | 310.7       | 306.6       | 305.0       |
| 27,5°    | 287.5                        | 292.3      | 300.5       | 303.1       | 307.5       | 314.6       | 310.4       | 317.0       | 314.8       | 313.0       | 306.9       | 305.5       | 309.4       |
| 30,0°    | 292.0                        | 294.2      | 306.8       | 308.2       | 318.6       | 321.3       | 321.7       | 325.9       | 317.9       | 312.7       | 313.6       | 314.2       | 314.2       |
| 32,5°    | 296.6                        | 303.4      | 310.5       | 316.2       | 324.8       | 328.0       | 325.1       | 324.3       | 321.7       | 320.6       | 319.3       | 318.8       | 318.9       |
| 35,0°    | 293.7                        | 307.9      | 314.0       | 322.5       | 330.7       | 330.2       | 333.2       | 331.9       | 324.2       | 323.3       | 323.9       | 327.2       | 329.1       |
| 37,5°    | 303.1                        | 313.9      | 324.1       | 334.6       | 336.2       | 339.9       | 336.6       | 332.6       | 330.2       | 336.0       | 331.7       | 335.5       | 336.0       |
| 40,0°    | 308.1                        | 323.2      | 333.3       | 337.1       | 341.8       | 344.1       | 345.3       | 335.2       | 345.8       | 340.1       | 337.1       | 341.4       | 336.8       |
| 42,5°    | 310.4                        | 331.9      | 338.8       | 346.6       | 352.2       | 343.4       | 360.7       | 346.8       | 357.8       | 348.2       | 345.1       | 344.2       | 337.4       |
| 45,0°    | 314.3                        | 336.1      | 345.1       | 351.3       | 352.5       | 350.5       | 355.5       | 355.4       | 363.9       | 365.9       | 352.7       | 349.6       | 341.3       |
| 47,5°    | 314.4                        | 339.7      | 350.1       | 358.2       | 355.5       | 358.5       | 354.9       | 364.8       | 369.6       | 371.3       | 360.1       | 351.7       | 330.9       |
| 50,0°    | 313.6                        | 338.4      | 355.7       | 357.1       | 362.9       | 365.7       | 359.9       | 376.6       | 390.1       | 379.0       | 360.1       | 337.0       | 305.4       |
| 52,5°    | 310.1                        | 339.8      | 351.2       | 364.1       | 368.6       | 376.4       | 380.3       | 400.7       | 411.0       | 378.8       | 346.4       | 308.8       | 268.0       |
| 55,0°    | 309.7                        | 336.3      | 357.1       | 363.3       | 377.6       | 395.3       | 407.2       | 415.4       | 395.9       | 359.4       | 318.0       | 267.3       | 223.8       |
| 57,5°    | 310.0                        | 338.2      | 361.6       | 380.5       | 390.8       | 408.7       | 436.4       | 415.4       | 373.0       | 331.3       | 278.8       | 218.4       | 176.1       |
| 60,0°    | 313.9                        | 356.4      | 381.1       | 402.5       | 421.8       | 447.8       | 434.4       | 387.7       | 349.1       | 287.7       | 221.2       | 169.0       | 149.6       |
| 62,5°    | 324.3                        | 374.3      | 410.6       | 432.6       | 463.2       | 465.3       | 416.3       | 360.4       | 308.4       | 234.2       | 182.3       | 158.2       | 147.0       |
| 65,0°    | 330.8                        | 392.8      | 440.0       | 467.1       | 483.1       | 450.2       | 389.2       | 326.5       | 265.4       | 207.0       | 179.3       | 149.5       | 120.1       |
| 67,5°    | 331.5                        | 403.9      | 453.0       | 489.0       | 470.7       | 422.7       | 366.6       | 305.3       | 256.5       | 211.8       | 158.8       | 115.9       | 86.0        |
| 70,0°    | 323.2                        | 394.9      | 447.7       | 461.5       | 422.9       | 385.2       | 351.0       | 344.3       | 283.9       | 188.9       | 118.3       | 74.2        | 48.5        |
| 72,5°    | 316.1                        | 359.3      | 401.7       | 388.4       | 373.1       | 363.3       | 394.6       | 409.8       | 286.0       | 144.6       | 69.3        | 39.5        | 28.1        |
| 75,0°    | 244.1                        | 257.5      | 289.2       | 299.7       | 316.8       | 366.8       | 438.0       | 374.9       | 196.5       | 72.3        | 32.2        | 23.3        | 21.1        |
| 77,5°    | 127.1                        | 147.2      | 181.9       | 217.4       | 238.2       | 288.7       | 316.5       | 219.1       | 70.5        | 28.0        | 20.6        | 17.9        | 17.0        |
| 80,0°    | 33.5                         | 53.0       | 71.3        | 80.0        | 84.1        | 96.1        | 90.3        | 66.5        | 20.1        | 17.3        | 16.8        | 12.6        | 12.6        |
| 82,5°    | 6.2                          | 9.7        | 17.5        | 24.9        | 29.9        | 37.4        | 35.4        | 17.1        | 10.8        | 10.9        | 11.3        | 8.2         | 8.1         |
| 85,0°    | 1.2                          | 1.4        | 2.0         | 2.7         | 3.3         | 4.8         | 5.6         | 4.1         | 4.1         | 4.6         | 5.2         | 4.0         | 3.9         |
| 87,5°    | 0.3                          | 0.4        | 0.5         | 0.5         | 0.6         | 0.7         | 0.9         | 1.0         | 1.1         | 1.2         | 1.5         | 1.2         | 1.2         |
| 90,0°    | 0.0                          | 0.0        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |

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| <b>Table of values for luminous intensities</b> |  | <b>Maximum luminous intensity</b>    |
|   |  | <b>siteco</b>                        |

| C-planes | 65°<br>115°                  | 70°<br>110° | 75°<br>105° | 80°<br>100° | 85°<br>95° | 90°   | 185°<br>355° | 190°<br>350° | 195°<br>345° | 200°<br>340° | 205°<br>335° | 210°<br>330° | 215°<br>325° |
|----------|------------------------------|-------------|-------------|-------------|------------|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| γ        | Luminous intensity in cd/klm |             |             |             |            |       |              |              |              |              |              |              |              |
| 0,0°     | 272.5                        | 272.5       | 272.5       | 272.5       | 272.5      | 272.5 | 272.5        | 272.5        | 272.5        | 272.5        | 272.5        | 272.5        | 272.5        |
| 2,5°     | 271.5                        | 272.2       | 271.7       | 270.4       | 271.3      | 272.5 | 277.7        | 275.7        | 275.6        | 274.8        | 274.5        | 271.8        | 269.8        |
| 5,0°     | 268.1                        | 267.6       | 267.2       | 266.5       | 266.4      | 264.7 | 276.0        | 275.8        | 273.8        | 271.3        | 270.7        | 265.9        | 261.6        |
| 7,5°     | 270.3                        | 271.6       | 268.7       | 269.2       | 266.8      | 266.3 | 278.8        | 275.9        | 273.3        | 272.2        | 266.5        | 262.4        | 258.5        |
| 10,0°    | 279.4                        | 277.9       | 273.7       | 272.9       | 271.2      | 273.0 | 280.7        | 276.5        | 269.2        | 264.4        | 259.9        | 255.3        | 249.5        |
| 12,5°    | 278.6                        | 280.8       | 279.4       | 279.3       | 278.5      | 273.8 | 288.2        | 284.0        | 274.9        | 264.3        | 256.9        | 253.0        | 246.5        |
| 15,0°    | 285.1                        | 284.0       | 283.9       | 287.7       | 288.0      | 286.1 | 289.0        | 286.8        | 275.9        | 263.3        | 253.3        | 246.3        | 239.9        |
| 17,5°    | 290.0                        | 288.1       | 290.0       | 288.8       | 291.7      | 294.1 | 287.2        | 284.3        | 275.6        | 258.5        | 253.6        | 241.8        | 228.9        |
| 20,0°    | 293.4                        | 292.3       | 296.4       | 290.0       | 290.0      | 292.8 | 293.7        | 285.3        | 273.7        | 258.3        | 246.8        | 237.9        | 222.9        |
| 22,5°    | 298.9                        | 295.2       | 298.5       | 293.0       | 293.5      | 293.4 | 291.1        | 289.6        | 273.2        | 253.8        | 240.0        | 225.4        | 215.1        |
| 25,0°    | 303.5                        | 300.9       | 298.5       | 297.3       | 296.1      | 297.7 | 289.2        | 283.4        | 273.0        | 251.9        | 234.0        | 219.6        | 206.1        |
| 27,5°    | 304.9                        | 305.2       | 302.5       | 301.1       | 299.3      | 305.5 | 291.3        | 285.0        | 274.1        | 248.8        | 231.4        | 212.9        | 194.9        |
| 30,0°    | 312.7                        | 305.3       | 305.5       | 302.9       | 307.6      | 302.7 | 288.7        | 284.3        | 265.7        | 245.1        | 225.0        | 207.3        | 188.4        |
| 32,5°    | 319.2                        | 313.3       | 310.5       | 312.2       | 306.2      | 306.2 | 283.1        | 279.6        | 263.4        | 240.9        | 219.4        | 196.1        | 184.6        |
| 35,0°    | 323.5                        | 319.3       | 312.4       | 309.8       | 305.1      | 299.3 | 286.6        | 274.8        | 263.2        | 233.8        | 209.8        | 191.2        | 183.1        |
| 37,5°    | 329.9                        | 320.0       | 318.1       | 311.8       | 303.1      | 304.5 | 285.3        | 273.8        | 256.8        | 228.8        | 203.4        | 183.6        | 178.0        |
| 40,0°    | 326.8                        | 319.2       | 316.0       | 314.5       | 307.7      | 304.6 | 283.4        | 268.2        | 254.7        | 221.7        | 195.2        | 181.8        | 177.4        |
| 42,5°    | 328.9                        | 324.7       | 313.0       | 313.8       | 302.9      | 300.2 | 281.7        | 262.2        | 243.7        | 213.5        | 188.7        | 181.1        | 170.7        |
| 45,0°    | 329.9                        | 314.5       | 297.4       | 287.6       | 275.9      | 276.6 | 282.8        | 256.2        | 236.6        | 207.6        | 182.1        | 178.0        | 160.5        |
| 47,5°    | 308.8                        | 280.5       | 261.8       | 246.2       | 234.1      | 234.1 | 281.8        | 246.6        | 228.8        | 198.6        | 177.3        | 171.6        | 143.5        |
| 50,0°    | 269.9                        | 239.9       | 221.1       | 206.5       | 191.4      | 192.8 | 272.7        | 241.8        | 218.0        | 191.2        | 173.4        | 161.4        | 125.2        |
| 52,5°    | 227.6                        | 201.2       | 180.4       | 164.6       | 155.8      | 152.3 | 269.6        | 232.4        | 205.8        | 183.3        | 167.5        | 141.2        | 105.0        |
| 55,0°    | 184.5                        | 161.5       | 142.3       | 135.6       | 131.5      | 128.0 | 268.2        | 229.8        | 198.7        | 172.6        | 162.6        | 121.1        | 89.1         |
| 57,5°    | 150.6                        | 141.1       | 134.8       | 129.7       | 120.0      | 120.9 | 267.6        | 224.3        | 189.9        | 170.2        | 151.9        | 105.1        | 75.3         |
| 60,0°    | 141.3                        | 133.7       | 123.7       | 113.7       | 110.2      | 105.4 | 266.2        | 219.0        | 182.8        | 168.7        | 145.2        | 84.3         | 62.4         |
| 62,5°    | 128.2                        | 112.1       | 99.9        | 90.0        | 86.2       | 82.4  | 261.4        | 213.3        | 174.7        | 160.5        | 141.7        | 72.1         | 56.8         |
| 65,0°    | 99.2                         | 79.4        | 68.2        | 59.3        | 54.4       | 55.5  | 258.5        | 201.1        | 162.6        | 150.0        | 126.5        | 62.8         | 50.1         |
| 67,5°    | 61.3                         | 47.3        | 40.9        | 38.1        | 35.3       | 36.4  | 247.6        | 187.6        | 145.7        | 130.3        | 103.1        | 53.3         | 43.3         |
| 70,0°    | 35.3                         | 31.8        | 30.3        | 27.9        | 27.8       | 26.8  | 240.7        | 174.2        | 128.1        | 108.1        | 85.0         | 47.0         | 35.7         |
| 72,5°    | 25.9                         | 25.3        | 24.5        | 22.6        | 23.1       | 21.7  | 230.1        | 158.9        | 112.6        | 89.8         | 64.6         | 36.7         | 31.7         |
| 75,0°    | 20.7                         | 20.5        | 19.8        | 18.7        | 18.3       | 18.0  | 194.3        | 130.2        | 78.9         | 63.6         | 43.0         | 28.7         | 26.2         |
| 77,5°    | 16.6                         | 16.2        | 15.3        | 14.6        | 14.3       | 14.6  | 118.7        | 58.0         | 20.8         | 29.3         | 25.7         | 17.5         | 17.8         |
| 80,0°    | 11.9                         | 12.1        | 11.0        | 10.7        | 10.4       | 10.4  | 32.3         | 9.7          | 6.1          | 12.2         | 12.9         | 9.1          | 9.1          |
| 82,5°    | 8.0                          | 7.6         | 7.6         | 7.4         | 6.9        | 6.2   | 5.0          | 2.7          | 2.9          | 3.9          | 4.1          | 3.0          | 1.6          |
| 85,0°    | 3.7                          | 4.1         | 4.1         | 3.7         | 3.3        | 3.0   | 1.2          | 1.0          | 1.0          | 0.7          | 0.6          | 0.5          | 0.2          |
| 87,5°    | 1.1                          | 1.3         | 1.2         | 1.1         | 1.0        | 1.0   | 0.3          | 0.2          | 0.2          | 0.2          | 0.1          | 0.1          | 0.0          |
| 90,0°    | 0.0                          | 0.0         | 0.0         | 0.0         | 0.0        | 0.0   | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |

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| <b>Table of values for luminous intensities</b> |  | <b>Maximum luminous intensity</b>    |
|   |  | <b>sITeco</b>                        |

| C-planes | 220°<br>320°                 | 225°<br>315° | 230°<br>310° | 235°<br>305° | 240°<br>300° | 245°<br>295° | 250°<br>290° | 255°<br>285° | 260°<br>280° | 265°<br>275° | 270°  | Phi-zone                | Total<br>Phi-zone |
|----------|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|-------------------------|-------------------|
| γ        | Luminous intensity in cd/klm |              |              |              |              |              |              |              |              |              |       | Luminous flux in lm/klm |                   |
| 0,0°     | 272.5                        | 272.5        | 272.5        | 272.5        | 272.5        | 272.5        | 272.5        | 272.5        | 272.5        | 272.5        | 272.5 | 0.4                     | 0.4               |
| 2,5°     | 268.5                        | 268.9        | 268.2        | 267.9        | 268.1        | 267.2        | 267.4        | 267.3        | 267.8        | 267.2        | 267.4 | 3.2                     | 3.7               |
| 5,0°     | 258.3                        | 254.5        | 252.2        | 250.1        | 250.6        | 249.2        | 250.4        | 252.1        | 254.6        | 253.9        | 255.1 | 6.3                     | 10.0              |
| 7,5°     | 253.2                        | 249.6        | 246.9        | 243.4        | 241.8        | 240.1        | 238.5        | 238.0        | 237.2        | 236.5        | 235.9 | 9.4                     | 19.4              |
| 10,0°    | 246.6                        | 241.3        | 236.8        | 232.4        | 231.2        | 227.8        | 225.6        | 222.2        | 220.8        | 221.0        | 221.4 | 12.4                    | 31.8              |
| 12,5°    | 242.7                        | 233.6        | 227.3        | 222.1        | 217.3        | 215.3        | 212.9        | 212.5        | 209.4        | 207.8        | 209.0 | 15.4                    | 47.2              |
| 15,0°    | 233.0                        | 224.6        | 215.3        | 210.9        | 206.2        | 200.4        | 196.3        | 196.0        | 195.2        | 190.0        | 189.7 | 18.4                    | 65.6              |
| 17,5°    | 223.4                        | 215.6        | 205.0        | 198.1        | 192.0        | 188.0        | 182.3        | 180.3        | 179.7        | 177.1        | 177.0 | 21.1                    | 86.7              |
| 20,0°    | 214.7                        | 202.7        | 194.1        | 186.2        | 181.6        | 179.9        | 175.0        | 171.4        | 172.3        | 169.2        | 166.4 | 23.9                    | 110.6             |
| 22,5°    | 204.1                        | 193.6        | 184.4        | 178.0        | 171.6        | 170.7        | 170.7        | 168.1        | 164.5        | 164.2        | 163.2 | 26.7                    | 137.3             |
| 25,0°    | 189.5                        | 182.2        | 178.9        | 173.9        | 167.7        | 164.7        | 164.2        | 162.4        | 163.3        | 162.0        | 159.6 | 29.4                    | 166.7             |
| 27,5°    | 186.1                        | 181.6        | 171.6        | 167.3        | 164.1        | 158.7        | 157.7        | 154.0        | 150.5        | 149.0        | 147.0 | 32.0                    | 198.7             |
| 30,0°    | 181.3                        | 178.3        | 168.4        | 164.0        | 159.7        | 154.5        | 144.9        | 141.4        | 133.3        | 128.4        | 127.6 | 34.5                    | 233.3             |
| 32,5°    | 177.7                        | 168.8        | 163.3        | 159.4        | 151.2        | 146.4        | 135.1        | 123.5        | 114.9        | 107.7        | 107.0 | 36.9                    | 270.1             |
| 35,0°    | 178.3                        | 165.2        | 156.5        | 148.1        | 142.4        | 131.6        | 119.3        | 106.1        | 96.7         | 90.9         | 87.8  | 39.0                    | 309.1             |
| 37,5°    | 171.2                        | 159.1        | 148.6        | 141.6        | 129.9        | 113.6        | 100.4        | 89.5         | 80.3         | 75.0         | 73.4  | 41.2                    | 350.3             |
| 40,0°    | 161.1                        | 148.6        | 139.0        | 131.3        | 114.8        | 96.2         | 81.8         | 73.1         | 68.4         | 65.6         | 64.8  | 43.1                    | 393.4             |
| 42,5°    | 151.2                        | 140.3        | 126.0        | 117.4        | 100.5        | 81.3         | 70.4         | 66.6         | 62.3         | 61.2         | 60.6  | 45.0                    | 438.4             |
| 45,0°    | 137.4                        | 125.8        | 116.7        | 102.3        | 84.9         | 69.6         | 62.1         | 58.5         | 57.5         | 58.4         | 58.8  | 46.2                    | 484.6             |
| 47,5°    | 122.6                        | 111.6        | 104.9        | 87.4         | 70.5         | 62.3         | 56.9         | 55.3         | 55.3         | 54.1         | 55.2  | 46.5                    | 531.1             |
| 50,0°    | 105.9                        | 101.5        | 94.5         | 74.3         | 62.2         | 56.1         | 53.6         | 51.7         | 51.0         | 50.8         | 49.9  | 46.3                    | 577.4             |
| 52,5°    | 92.1                         | 89.6         | 74.0         | 62.8         | 54.7         | 52.6         | 50.1         | 48.1         | 46.4         | 46.3         | 45.2  | 45.6                    | 623.0             |
| 55,0°    | 80.1                         | 75.2         | 59.7         | 53.1         | 49.2         | 47.3         | 46.2         | 43.5         | 42.4         | 41.7         | 40.8  | 44.6                    | 667.6             |
| 57,5°    | 72.2                         | 65.6         | 52.2         | 46.3         | 45.2         | 44.5         | 42.2         | 40.0         | 38.3         | 37.8         | 37.8  | 43.9                    | 711.6             |
| 60,0°    | 64.9                         | 53.5         | 45.3         | 42.3         | 42.0         | 42.0         | 39.0         | 37.8         | 35.5         | 34.7         | 35.5  | 43.4                    | 755.0             |
| 62,5°    | 58.2                         | 46.5         | 40.2         | 38.0         | 38.7         | 38.9         | 37.6         | 35.3         | 31.6         | 31.2         | 30.9  | 42.7                    | 797.7             |
| 65,0°    | 48.5                         | 38.6         | 35.4         | 35.0         | 33.2         | 33.2         | 32.2         | 30.1         | 27.6         | 26.1         | 25.9  | 41.1                    | 838.8             |
| 67,5°    | 40.0                         | 33.3         | 30.7         | 28.8         | 28.4         | 27.4         | 25.8         | 22.4         | 19.4         | 17.8         | 17.3  | 38.7                    | 877.5             |
| 70,0°    | 33.9                         | 28.1         | 26.6         | 25.0         | 23.5         | 19.0         | 16.2         | 11.9         | 9.1          | 7.5          | 6.5   | 36.0                    | 913.6             |
| 72,5°    | 26.8                         | 22.8         | 22.0         | 19.8         | 14.7         | 10.1         | 6.8          | 4.3          | 3.5          | 3.1          | 3.2   | 33.2                    | 946.7             |
| 75,0°    | 21.1                         | 16.5         | 14.5         | 11.7         | 7.0          | 3.9          | 2.7          | 1.7          | 1.5          | 1.6          | 1.9   | 27.1                    | 973.8             |
| 77,5°    | 13.6                         | 9.9          | 6.4          | 3.8          | 2.2          | 1.3          | 1.2          | 0.7          | 0.6          | 0.8          | 1.1   | 17.1                    | 991.0             |
| 80,0°    | 5.6                          | 2.8          | 1.3          | 0.3          | 0.4          | 0.2          | 0.2          | 0.3          | 0.2          | 0.3          | 0.5   | 6.1                     | 997.1             |
| 82,5°    | 0.8                          | 0.2          | 0.1          | 0.0          | 0.0          | 0.0          | 0.0          | 0.1          | 0.0          | 0.1          | 0.1   | 2.2                     | 999.3             |
| 85,0°    | 0.0                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.6                     | 999.9             |
| 87,5°    | 0.0                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.1                     | 1000.0            |
| 90,0°    | 0.0                          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0   | 0.0                     | 1000.0            |

## Photometric test report

|                                  |  |                               |
|----------------------------------|--|-------------------------------|
| <b>Family</b><br>DL® 50 mini LED | <b>Order number: 5XA248D31F08JE</b><br><b>EAN: 4058352802953</b> | <b>LP number</b><br>59078_152 |
|----------------------------------|--|-------------------------------|

|                             |                                 |               |
|-----------------------------|---------------------------------|---------------|
| <b>Dimming levels table</b> | environmental temperature: 25°C | <b>siteco</b> |
|-----------------------------|---------------------------------|---------------|

| Luminous flux % | Dimming level linear | Dimming level logarithmic | Luminous flux [lm] | Power consumption [W] | Power consumption [W] | Power consumption [W] |
|-----------------|----------------------|---------------------------|--------------------|-----------------------|-----------------------|-----------------------|
|                 |                      |                           |                    | start of lifetime     | end of lifetime       | average               |
| 100             | 254                  | 254                       | 10300              | 66.0                  | 69.1                  | 67.6                  |
| 95              | 241                  | 252                       | 9773               | 61.9                  | 64.8                  | 63.4                  |
| 90              | 229                  | 250                       | 9286               | 58.2                  | 61.0                  | 59.6                  |
| 85              | 216                  | 248                       | 8759               | 54.2                  | 56.8                  | 55.5                  |
| 80              | 203                  | 246                       | 8232               | 50.4                  | 52.9                  | 51.6                  |
| 75              | 190                  | 243                       | 7705               | 46.8                  | 49.0                  | 47.9                  |
| 70              | 178                  | 241                       | 7218               | 43.5                  | 45.5                  | 44.5                  |
| 65              | 165                  | 238                       | 6691               | 39.9                  | 41.9                  | 40.9                  |
| 60              | 152                  | 235                       | 6164               | 36.5                  | 38.3                  | 37.4                  |
| 55              | 140                  | 232                       | 5677               | 33.6                  | 35.1                  | 34.4                  |
| 50              | 127                  | 229                       | 5150               | 30.3                  | 31.7                  | 31.0                  |
| 45              | 114                  | 225                       | 4623               | 27.1                  | 28.3                  | 27.7                  |
| 40              | 102                  | 221                       | 4136               | 24.2                  | 25.3                  | 24.8                  |
| 35              | 89                   | 216                       | 3609               | 21.1                  | 22.1                  | 21.6                  |
| 30              | 76                   | 210                       | 3082               | 18.2                  | 18.9                  | 18.5                  |
| 25              | 63                   | 203                       | 2555               | 15.3                  | 15.9                  | 15.6                  |
| 20              | 51                   | 195                       | 2068               | 12.7                  | 13.2                  | 13.0                  |
| 15              | 38                   | 184                       | 1541               | 10.0                  | 10.3                  | 10.2                  |
| 11              | 27                   | 172                       | 1095               | 7.7                   | 7.8                   | 7.8                   |