

## Lichttechnischer Prüfbefund

**Familie**  
**Streetlight 21 micro LED**

**Bestell-Nr.: 5XE1R31D08DB**  
**EAN: 4069025148421**

**LP-Nummer**  
**59535\_171**



**Ausführung** Mastansatz- / Mastaufsatzmontage  
**Optik** asymmetrisch, extrem breit strahlend (P0.8a),  
Back Light Control (BLC)  
**Abdeckung** Einscheibensicherheitsglas (ESG)  
**Bestückung** LED 3000 K | CRI ≥ 70  
**Betriebsgerät** EVG SITECO iQ  
**Bemessungswerte** Nettolichtstrom = 4220 lm  
Systemleistung = 36.4 W  
Lichtausbeute = 115.9 lm/W

**Seriendokumentation**  
**18.01.2024**

**siteco**

**Lichtstärke in cd/klm**

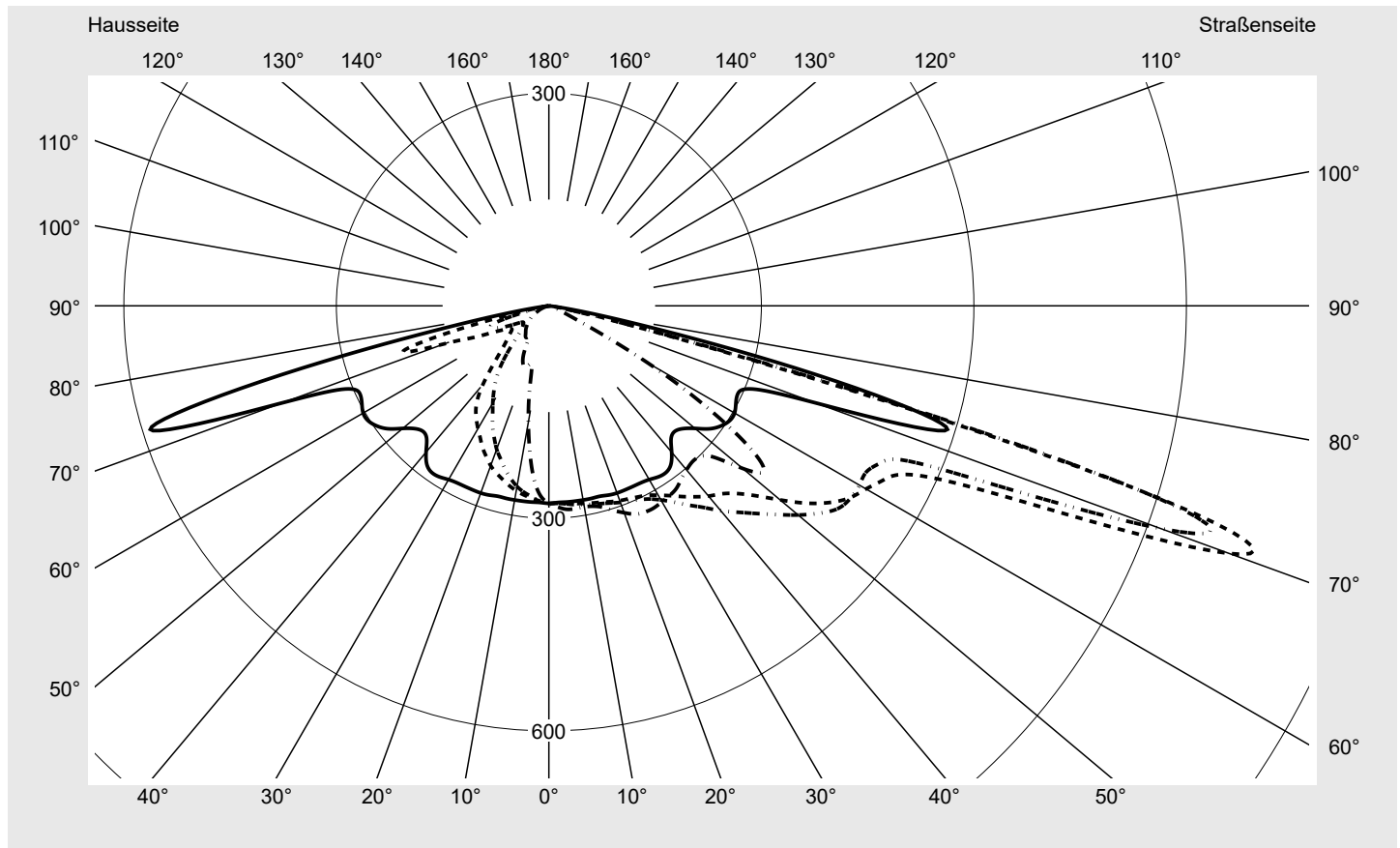
**C180-0**

**C195-15**

**C200-20**

**C270-90**

**Imax: 1022 cd/klm**



**Leuchtenbetriebswirkungsgrade**

|                |        |
|----------------|--------|
| Eta            | 100.0% |
| Eta 0° - 90°   | 100.0% |
| Eta 90° - 180° | 0.0%   |

**Lichtstärkeklasse nach EN13201-2**

|           |        |
|-----------|--------|
| Klasse:   | G3     |
| Imax 70°  | 1022.3 |
| Imax 80°  | 56.2   |
| Imax 90°  | 0.0    |
| Imax >90° | 0.0    |
| Imax >95° | 0.0    |

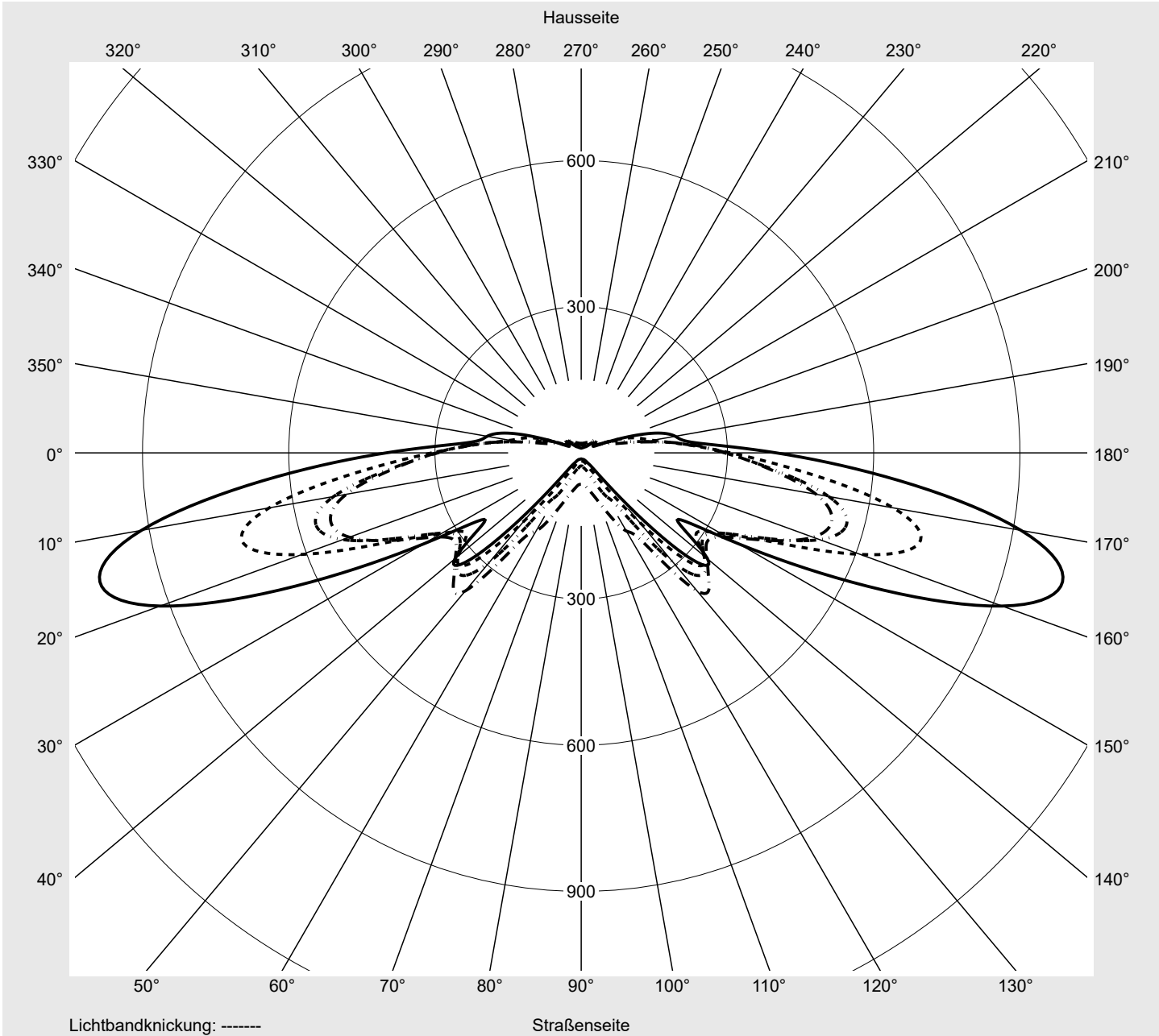
**Messbedingungen**

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

|                                            |                                                               |                               |
|--------------------------------------------|---------------------------------------------------------------|-------------------------------|
| <b>Familie</b><br>Streetlight 21 micro LED | <b>Bestell-Nr.:</b> 5XE1R31D08DB<br><b>EAN:</b> 4069025148421 | <b>LP-Nummer</b><br>59535_171 |
|--------------------------------------------|---------------------------------------------------------------|-------------------------------|

**Kegelmantelkurven in cd/klm**    **KMK 70°**    **KMK 67,5°**    **KMK 65°**    **KMK 62,5°**    **siteco**



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|                                            |                                                               |                               |
|--------------------------------------------|---------------------------------------------------------------|-------------------------------|
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| <b>Wertetabelle Lichtstärkemessung</b>     |                                                               | <b>Maximale Lichtstärke</b>   |
|                                            |                                                               | <b>siteco</b>                 |

| C-<br>Ebenen | 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° |
|--------------|-----------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| γ            | Lichtstärke in cd/klm |            |             |             |             |             |             |             |             |             |             |             |             |
| 0,0°         | 278.8                 | 278.8      | 278.8       | 278.8       | 278.8       | 278.8       | 278.8       | 278.8       | 278.8       | 278.8       | 278.8       | 278.8       | 278.8       |
| 2,5°         | 277.9                 | 277.8      | 278.3       | 278.5       | 279.1       | 279.5       | 279.7       | 280.3       | 281.1       | 281.1       | 281.8       | 282.0       | 282.5       |
| 5,0°         | 278.0                 | 278.0      | 278.8       | 279.6       | 280.7       | 281.8       | 282.5       | 283.4       | 284.3       | 284.7       | 285.3       | 285.7       | 286.3       |
| 7,5°         | 278.2                 | 278.8      | 279.7       | 281.6       | 283.0       | 284.3       | 285.2       | 285.8       | 286.5       | 286.6       | 286.8       | 287.0       | 287.2       |
| 10,0°        | 278.3                 | 279.3      | 281.1       | 283.2       | 284.8       | 286.1       | 286.8       | 287.1       | 287.4       | 287.5       | 287.6       | 287.5       | 287.6       |
| 12,5°        | 278.4                 | 280.6      | 282.9       | 285.1       | 287.1       | 288.1       | 288.1       | 288.3       | 288.6       | 288.3       | 288.2       | 288.3       | 288.1       |
| 15,0°        | 278.3                 | 281.8      | 284.2       | 287.0       | 288.9       | 289.7       | 290.4       | 290.4       | 290.4       | 290.5       | 290.7       | 291.2       | 291.5       |
| 17,5°        | 280.1                 | 284.2      | 287.0       | 289.9       | 291.8       | 292.6       | 293.2       | 293.3       | 294.2       | 295.6       | 296.5       | 297.9       | 299.1       |
| 20,0°        | 281.2                 | 286.5      | 289.9       | 292.7       | 295.2       | 296.4       | 297.4       | 298.7       | 300.7       | 302.2       | 304.8       | 306.3       | 307.6       |
| 22,5°        | 281.2                 | 288.0      | 291.8       | 294.7       | 298.0       | 300.7       | 303.7       | 306.7       | 309.6       | 312.0       | 314.3       | 316.4       | 318.0       |
| 25,0°        | 281.2                 | 289.0      | 293.5       | 297.6       | 302.0       | 305.6       | 310.8       | 316.1       | 320.1       | 323.0       | 325.6       | 327.5       | 328.0       |
| 27,5°        | 281.6                 | 290.6      | 296.3       | 301.5       | 307.4       | 313.2       | 319.9       | 326.8       | 332.3       | 336.2       | 338.0       | 338.5       | 336.9       |
| 30,0°        | 283.2                 | 294.4      | 301.5       | 308.8       | 316.5       | 324.6       | 332.6       | 340.2       | 345.8       | 350.2       | 351.0       | 348.3       | 344.3       |
| 32,5°        | 286.5                 | 299.7      | 308.4       | 317.7       | 328.5       | 340.0       | 349.8       | 357.0       | 362.1       | 365.5       | 364.2       | 358.0       | 349.5       |
| 35,0°        | 287.6                 | 303.8      | 315.5       | 328.7       | 343.4       | 357.5       | 368.6       | 376.7       | 381.4       | 382.7       | 377.3       | 366.1       | 353.1       |
| 37,5°        | 282.8                 | 302.1      | 319.8       | 339.7       | 358.7       | 375.8       | 388.1       | 395.7       | 398.9       | 396.8       | 386.6       | 370.4       | 354.4       |
| 40,0°        | 269.7                 | 294.5      | 321.2       | 350.6       | 377.6       | 398.0       | 410.2       | 417.0       | 415.9       | 407.6       | 392.5       | 373.6       | 355.1       |
| 42,5°        | 255.3                 | 287.6      | 322.7       | 360.0       | 395.2       | 420.8       | 432.6       | 434.9       | 428.7       | 414.1       | 394.4       | 373.9       | 354.4       |
| 45,0°        | 251.0                 | 289.5      | 331.0       | 374.7       | 414.6       | 444.9       | 453.6       | 450.5       | 436.8       | 415.6       | 393.7       | 371.5       | 352.8       |
| 47,5°        | 256.6                 | 303.0      | 350.2       | 396.9       | 436.1       | 462.6       | 468.6       | 458.1       | 439.5       | 412.5       | 387.5       | 369.7       | 355.1       |
| 50,0°        | 269.2                 | 324.0      | 378.1       | 426.2       | 459.3       | 475.7       | 475.8       | 456.8       | 430.3       | 401.5       | 381.2       | 373.1       | 369.5       |
| 52,5°        | 285.2                 | 346.9      | 408.8       | 457.5       | 481.0       | 483.4       | 467.9       | 440.5       | 409.6       | 388.7       | 382.1       | 388.8       | 404.4       |
| 55,0°        | 295.9                 | 364.8      | 434.7       | 484.0       | 498.6       | 480.9       | 443.0       | 412.5       | 385.1       | 377.3       | 391.6       | 422.7       | 440.8       |
| 57,5°        | 302.2                 | 378.2      | 457.4       | 504.1       | 505.0       | 463.7       | 409.7       | 376.6       | 362.7       | 372.1       | 410.7       | 405.5       | 386.0       |
| 60,0°        | 302.7                 | 385.2      | 474.2       | 517.0       | 506.3       | 445.5       | 376.2       | 342.3       | 346.6       | 374.1       | 408.1       | 323.4       | 289.9       |
| 62,5°        | 297.6                 | 389.4      | 489.3       | 532.5       | 506.1       | 424.7       | 345.6       | 316.1       | 337.3       | 370.1       | 369.8       | 228.7       | 185.2       |
| 65,0°        | 294.2                 | 397.3      | 515.7       | 563.9       | 520.7       | 414.1       | 329.1       | 304.9       | 329.7       | 352.9       | 292.0       | 146.3       | 103.0       |
| 67,5°        | 306.5                 | 462.0      | 650.1       | 717.4       | 609.4       | 431.9       | 331.0       | 288.1       | 329.0       | 319.8       | 183.6       | 76.0        | 42.3        |
| 70,0°        | 400.3                 | 655.6      | 916.4       | 1022.3      | 919.1       | 647.3       | 374.3       | 240.7       | 338.2       | 282.9       | 84.5        | 28.5        | 20.0        |
| 72,5°        | 586.0                 | 762.4      | 853.4       | 904.4       | 899.0       | 672.4       | 361.6       | 293.9       | 353.5       | 133.4       | 22.0        | 16.9        | 14.5        |
| 75,0°        | 449.7                 | 381.0      | 325.6       | 308.5       | 339.8       | 261.0       | 278.4       | 408.8       | 241.2       | 30.0        | 14.0        | 12.7        | 10.9        |
| 77,5°        | 187.6                 | 136.4      | 104.4       | 83.4        | 66.4        | 31.3        | 81.0        | 143.9       | 55.8        | 10.9        | 9.4         | 9.1         | 7.9         |
| 80,0°        | 56.2                  | 38.7       | 28.1        | 20.2        | 12.5        | 7.1         | 6.9         | 10.5        | 5.9         | 5.4         | 6.4         | 5.7         | 5.0         |
| 82,5°        | 9.6                   | 8.1        | 6.9         | 5.8         | 4.4         | 3.9         | 3.4         | 3.0         | 2.7         | 2.5         | 2.7         | 2.4         | 2.4         |
| 85,0°        | 2.7                   | 2.5        | 2.3         | 2.2         | 1.9         | 1.7         | 1.6         | 1.6         | 1.3         | 1.3         | 1.2         | 1.1         | 1.0         |
| 87,5°        | 1.5                   | 1.3        | 1.2         | 1.2         | 1.1         | 1.0         | 1.0         | 0.8         | 0.8         | 0.8         | 0.6         | 0.6         | 0.6         |
| 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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|                                                   |                                                               |                                      |
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| <b>Wertetabelle Lichtstärkemessung</b>            |                                                               | <b>Maximale Lichtstärke</b>          |
|                                                   |                                                               | <b>siteco</b>                        |

| C-<br>Ebenen | 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            | Lichtstärke in cd/klm |             |             |             |            |       |              |              |              |              |              |              |              |
| 0,0°         | 278.8                 | 278.8       | 278.8       | 278.8       | 278.8      | 278.8 | 278.8        | 278.8        | 278.8        | 278.8        | 278.8        | 278.8        | 278.8        |
| 2,5°         | 282.9                 | 283.2       | 283.5       | 283.8       | 284.1      | 284.2 | 277.4        | 276.4        | 276.1        | 275.6        | 274.5        | 273.9        | 273.1        |
| 5,0°         | 286.6                 | 287.0       | 287.2       | 287.6       | 288.0      | 288.3 | 277.0        | 274.5        | 272.6        | 270.8        | 268.5        | 266.3        | 264.1        |
| 7,5°         | 287.4                 | 287.5       | 287.8       | 288.2       | 288.3      | 288.6 | 276.2        | 272.6        | 269.3        | 265.7        | 261.4        | 256.5        | 251.1        |
| 10,0°        | 287.2                 | 287.1       | 287.2       | 287.7       | 288.3      | 288.1 | 275.3        | 270.3        | 265.0        | 258.9        | 250.7        | 242.0        | 231.8        |
| 12,5°        | 288.1                 | 288.2       | 288.7       | 289.2       | 289.4      | 289.8 | 274.1        | 267.4        | 259.7        | 249.5        | 236.8        | 222.9        | 208.7        |
| 15,0°        | 292.0                 | 292.1       | 292.7       | 293.8       | 294.2      | 294.4 | 273.1        | 264.3        | 253.4        | 238.6        | 221.3        | 203.4        | 184.9        |
| 17,5°        | 299.9                 | 300.3       | 300.8       | 301.6       | 302.6      | 302.8 | 273.2        | 261.7        | 247.2        | 226.6        | 204.9        | 181.7        | 160.7        |
| 20,0°        | 308.0                 | 308.8       | 309.2       | 309.9       | 310.3      | 310.8 | 273.2        | 259.9        | 240.1        | 215.4        | 188.9        | 162.4        | 139.4        |
| 22,5°        | 318.6                 | 318.4       | 318.1       | 317.7       | 317.8      | 318.3 | 271.5        | 255.2        | 230.6        | 201.6        | 170.3        | 143.2        | 114.9        |
| 25,0°        | 327.4                 | 325.7       | 323.3       | 321.8       | 320.7      | 321.2 | 269.5        | 249.4        | 221.2        | 187.9        | 153.1        | 121.8        | 90.5         |
| 27,5°        | 334.3                 | 330.2       | 326.2       | 323.3       | 321.5      | 321.5 | 266.7        | 243.2        | 210.0        | 171.9        | 135.7        | 99.1         | 71.1         |
| 30,0°        | 339.2                 | 333.1       | 326.9       | 322.2       | 319.5      | 319.3 | 265.3        | 237.9        | 200.2        | 158.3        | 118.4        | 79.9         | 62.3         |
| 32,5°        | 341.5                 | 333.3       | 325.9       | 320.7       | 318.1      | 317.3 | 264.9        | 232.9        | 190.4        | 145.0        | 101.3        | 66.5         | 60.1         |
| 35,0°        | 342.5                 | 333.9       | 325.9       | 318.9       | 315.1      | 314.2 | 263.0        | 225.7        | 179.7        | 131.6        | 85.9         | 59.6         | 60.6         |
| 37,5°        | 342.0                 | 331.6       | 322.7       | 314.3       | 309.4      | 307.4 | 254.3        | 213.3        | 165.2        | 116.7        | 73.0         | 56.4         | 60.0         |
| 40,0°        | 340.1                 | 328.2       | 319.5       | 310.6       | 304.4      | 302.4 | 235.8        | 192.1        | 144.6        | 99.3         | 62.9         | 54.2         | 57.1         |
| 42,5°        | 337.2                 | 325.3       | 318.1       | 307.7       | 301.1      | 299.2 | 216.4        | 169.2        | 122.0        | 81.3         | 56.4         | 52.1         | 54.2         |
| 45,0°        | 337.1                 | 325.6       | 317.5       | 309.4       | 303.1      | 301.1 | 203.9        | 150.0        | 103.2        | 66.2         | 51.0         | 50.1         | 52.0         |
| 47,5°        | 343.8                 | 336.0       | 329.8       | 323.8       | 318.2      | 316.4 | 200.2        | 139.3        | 88.8         | 56.2         | 48.4         | 48.6         | 50.7         |
| 50,0°        | 367.8                 | 368.7       | 368.6       | 364.8       | 359.1      | 357.0 | 204.6        | 135.1        | 79.1         | 49.7         | 47.4         | 49.0         | 50.6         |
| 52,5°        | 419.9                 | 422.4       | 412.8       | 399.2       | 386.2      | 382.4 | 211.0        | 133.0        | 72.3         | 46.2         | 47.5         | 49.5         | 49.6         |
| 55,0°        | 424.6                 | 395.0       | 374.2       | 359.3       | 344.6      | 341.1 | 216.4        | 132.7        | 66.2         | 43.9         | 45.5         | 46.9         | 45.5         |
| 57,5°        | 353.8                 | 310.6       | 285.4       | 270.3       | 259.7      | 257.6 | 218.5        | 130.4        | 61.9         | 43.1         | 41.0         | 41.0         | 39.3         |
| 60,0°        | 250.3                 | 204.6       | 182.6       | 173.4       | 165.1      | 161.8 | 217.0        | 129.2        | 64.3         | 47.9         | 38.9         | 36.0         | 36.2         |
| 62,5°        | 145.5                 | 108.8       | 86.7        | 74.0        | 66.0       | 64.6  | 214.2        | 129.0        | 73.8         | 58.1         | 41.2         | 33.5         | 34.8         |
| 65,0°        | 67.5                  | 45.0        | 35.7        | 31.3        | 27.6       | 26.8  | 210.1        | 133.0        | 90.9         | 71.2         | 45.1         | 31.9         | 34.7         |
| 67,5°        | 26.8                  | 20.8        | 18.5        | 17.5        | 16.8       | 16.4  | 208.5        | 148.3        | 118.6        | 81.6         | 45.1         | 29.9         | 33.7         |
| 70,0°        | 16.2                  | 14.4        | 13.8        | 13.2        | 12.7       | 12.3  | 236.4        | 195.9        | 156.6        | 87.0         | 37.9         | 28.1         | 32.3         |
| 72,5°        | 12.8                  | 11.4        | 10.8        | 10.2        | 9.6        | 9.4   | 409.6        | 322.7        | 215.6        | 78.7         | 30.0         | 27.9         | 29.6         |
| 75,0°        | 9.7                   | 8.6         | 7.9         | 7.5         | 7.1        | 7.0   | 414.6        | 266.9        | 148.4        | 43.3         | 26.7         | 27.7         | 25.5         |
| 77,5°        | 6.7                   | 5.8         | 5.3         | 5.0         | 4.7        | 4.6   | 158.3        | 92.5         | 50.4         | 16.7         | 18.7         | 22.5         | 20.1         |
| 80,0°        | 4.0                   | 3.5         | 3.0         | 2.9         | 2.7        | 2.7   | 44.1         | 27.3         | 12.5         | 8.6          | 10.0         | 12.3         | 11.7         |
| 82,5°        | 2.2                   | 2.1         | 1.8         | 1.8         | 1.7        | 1.7   | 10.0         | 6.4          | 4.8          | 4.8          | 5.1          | 5.3          | 5.2          |
| 85,0°        | 1.0                   | 1.0         | 1.0         | 0.8         | 0.8        | 1.0   | 2.8          | 2.8          | 2.8          | 2.7          | 2.5          | 2.4          | 2.2          |
| 87,5°        | 0.6                   | 0.6         | 0.5         | 0.5         | 0.5        | 0.5   | 1.5          | 1.5          | 1.5          | 1.5          | 1.3          | 1.3          | 1.3          |
| 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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|                                                   |                                                               |                                      |
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| <b>Wertetabelle Lichtstärkemessung</b>            |                                                               | <b>Maximale Lichtstärke</b>          |
|                                                   |                                                               | <b>siteco</b>                        |

| C-<br>Ebenen | 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             | Summe<br>Phi-Zone |
|--------------|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|----------------------|-------------------|
| γ            | Lichtstärke in cd/klm |              |              |              |              |              |              |              |              |              |       | Lichtstrom in lm/klm |                   |
| 0,0°         | 278.8                 | 278.8        | 278.8        | 278.8        | 278.8        | 278.8        | 278.8        | 278.8        | 278.8        | 278.8        | 278.8 | 0.4                  | 0.4               |
| 2,5°         | 272.2                 | 271.8        | 271.0        | 270.4        | 269.8        | 269.5        | 269.2        | 268.7        | 268.6        | 268.6        | 268.5 | 3.3                  | 3.7               |
| 5,0°         | 261.5                 | 258.9        | 256.5        | 253.9        | 251.4        | 249.4        | 247.6        | 246.1        | 245.0        | 244.4        | 244.3 | 6.5                  | 10.2              |
| 7,5°         | 244.8                 | 238.5        | 232.3        | 226.9        | 221.6        | 217.2        | 213.5        | 210.6        | 208.6        | 207.3        | 206.8 | 9.4                  | 19.6              |
| 10,0°        | 221.4                 | 211.9        | 203.1        | 194.5        | 186.1        | 179.5        | 174.5        | 171.0        | 168.5        | 167.1        | 166.7 | 12.0                 | 31.6              |
| 12,5°        | 195.0                 | 181.2        | 169.8        | 160.0        | 151.3        | 144.4        | 138.5        | 134.0        | 131.0        | 128.9        | 128.4 | 14.2                 | 45.8              |
| 15,0°        | 167.9                 | 153.5        | 140.2        | 128.2        | 117.7        | 109.1        | 102.7        | 98.6         | 95.9         | 94.7         | 94.3  | 16.3                 | 62.0              |
| 17,5°        | 142.2                 | 124.6        | 108.6        | 95.7         | 87.6         | 83.9         | 83.1         | 83.8         | 84.7         | 85.5         | 85.9  | 18.4                 | 80.4              |
| 20,0°        | 116.6                 | 96.4         | 83.1         | 78.2         | 78.6         | 81.3         | 84.5         | 87.3         | 89.3         | 90.3         | 90.9  | 20.8                 | 101.2             |
| 22,5°        | 89.5                  | 75.2         | 72.6         | 76.0         | 80.9         | 85.1         | 88.4         | 90.5         | 91.6         | 91.8         | 92.2  | 23.2                 | 124.4             |
| 25,0°        | 71.4                  | 68.6         | 73.3         | 79.7         | 85.5         | 88.8         | 90.0         | 89.7         | 88.7         | 87.4         | 87.1  | 25.6                 | 150.0             |
| 27,5°        | 64.7                  | 70.1         | 78.6         | 86.0         | 89.6         | 90.0         | 87.9         | 84.8         | 81.5         | 78.7         | 77.4  | 28.0                 | 178.0             |
| 30,0°        | 64.8                  | 74.0         | 83.0         | 87.6         | 87.7         | 84.1         | 78.9         | 73.3         | 68.2         | 64.5         | 62.9  | 30.3                 | 208.3             |
| 32,5°        | 67.5                  | 77.3         | 83.7         | 84.9         | 81.4         | 75.6         | 69.2         | 63.0         | 57.6         | 53.9         | 52.5  | 32.7                 | 241.0             |
| 35,0°        | 69.5                  | 77.5         | 81.3         | 79.5         | 74.6         | 69.1         | 63.6         | 59.6         | 56.8         | 55.4         | 54.7  | 35.2                 | 276.2             |
| 37,5°        | 66.9                  | 72.0         | 72.9         | 70.1         | 66.3         | 64.1         | 63.0         | 61.0         | 57.8         | 55.1         | 54.2  | 37.4                 | 313.5             |
| 40,0°        | 61.1                  | 63.3         | 62.3         | 60.6         | 62.2         | 62.0         | 58.2         | 55.0         | 53.0         | 51.5         | 51.0  | 39.1                 | 352.7             |
| 42,5°        | 56.2                  | 56.2         | 55.5         | 58.5         | 59.0         | 54.9         | 52.9         | 51.4         | 50.1         | 49.0         | 48.4  | 40.8                 | 393.5             |
| 45,0°        | 53.0                  | 52.6         | 55.5         | 57.6         | 52.9         | 50.7         | 49.0         | 47.7         | 46.7         | 46.0         | 45.7  | 42.7                 | 436.2             |
| 47,5°        | 51.0                  | 53.0         | 57.0         | 52.2         | 48.3         | 46.4         | 45.0         | 44.0         | 43.2         | 42.7         | 42.6  | 45.2                 | 481.4             |
| 50,0°        | 50.3                  | 54.8         | 53.7         | 46.7         | 43.9         | 42.3         | 41.2         | 40.5         | 39.8         | 39.4         | 39.2  | 48.5                 | 529.9             |
| 52,5°        | 49.2                  | 54.1         | 48.4         | 42.2         | 39.7         | 38.5         | 37.5         | 36.4         | 35.8         | 35.3         | 35.3  | 52.1                 | 582.0             |
| 55,0°        | 47.2                  | 51.3         | 42.8         | 37.7         | 35.7         | 34.3         | 33.3         | 32.8         | 32.2         | 31.9         | 31.9  | 53.0                 | 634.9             |
| 57,5°        | 46.8                  | 46.6         | 37.7         | 33.1         | 31.7         | 30.7         | 29.9         | 29.5         | 29.0         | 28.8         | 28.8  | 50.6                 | 685.5             |
| 60,0°        | 45.6                  | 41.7         | 32.2         | 29.5         | 28.5         | 27.6         | 26.4         | 25.5         | 24.7         | 24.2         | 24.2  | 46.4                 | 731.9             |
| 62,5°        | 43.5                  | 35.8         | 28.2         | 26.2         | 24.8         | 23.3         | 21.9         | 20.9         | 20.2         | 19.7         | 19.8  | 41.6                 | 773.6             |
| 65,0°        | 39.3                  | 31.9         | 24.7         | 22.4         | 20.8         | 19.0         | 17.8         | 17.1         | 16.4         | 16.2         | 16.2  | 38.9                 | 812.4             |
| 67,5°        | 35.7                  | 27.6         | 20.9         | 18.1         | 16.8         | 15.5         | 14.4         | 13.8         | 13.5         | 13.3         | 13.3  | 40.2                 | 852.7             |
| 70,0°        | 31.4                  | 23.6         | 17.7         | 15.1         | 13.8         | 12.3         | 11.5         | 10.8         | 10.3         | 9.9          | 9.7   | 49.7                 | 902.3             |
| 72,5°        | 26.8                  | 19.7         | 14.6         | 12.0         | 10.5         | 9.1          | 8.2          | 7.7          | 7.3          | 6.8          | 6.8   | 52.1                 | 954.4             |
| 75,0°        | 22.1                  | 15.8         | 11.6         | 9.2          | 7.7          | 6.8          | 5.8          | 5.3          | 4.8          | 4.6          | 4.6   | 30.6                 | 985.0             |
| 77,5°        | 16.3                  | 11.4         | 8.2          | 6.4          | 5.3          | 4.4          | 3.7          | 3.1          | 2.9          | 2.7          | 2.7   | 10.4                 | 995.4             |
| 80,0°        | 9.8                   | 6.7          | 5.0          | 4.0          | 3.1          | 2.5          | 2.1          | 1.7          | 1.3          | 1.0          | 1.0   | 2.9                  | 998.4             |
| 82,5°        | 4.5                   | 3.5          | 2.8          | 2.1          | 1.6          | 1.3          | 1.1          | 1.0          | 0.7          | 0.6          | 0.5   | 1.0                  | 999.3             |
| 85,0°        | 1.9                   | 1.7          | 1.5          | 1.1          | 0.8          | 0.8          | 0.7          | 0.6          | 0.5          | 0.5          | 0.5   | 0.4                  | 999.8             |
| 87,5°        | 1.2                   | 1.1          | 0.8          | 0.8          | 0.6          | 0.6          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5   | 0.2                  | 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            |

## Lichttechnischer Prüfbefund

|                                            |                                                               |                               |
|--------------------------------------------|---------------------------------------------------------------|-------------------------------|
| <b>Familie</b><br>Streetlight 21 micro LED | <b>Bestell-Nr.: 5XE1R31D08DB</b><br><b>EAN: 4069025148421</b> | <b>LP-Nummer</b><br>59535_171 |
| <b>Dimmstufen-Tabelle</b>                  |                                                               | <b>siteco</b>                 |
| Umgebungstemperatur: 25°C                  |                                                               |                               |

| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] Lebensdauerbeginn | Systemleistung [W] Lebensdauerende | Systemleistung [W] Durchschnitt |
|----------------|------------------|-------------------------|-----------------|--------------------------------------|------------------------------------|---------------------------------|
| 100            | 254              | 254                     | 4220            | 36.4                                 | 38.3                               | 37.3                            |
| 95             | 241              | 252                     | 4004            | 33.9                                 | 35.7                               | 34.8                            |
| 90             | 229              | 250                     | 3805            | 31.7                                 | 33.3                               | 32.5                            |
| 85             | 216              | 248                     | 3589            | 29.5                                 | 31.0                               | 30.2                            |
| 80             | 203              | 246                     | 3373            | 27.2                                 | 28.6                               | 27.9                            |
| 75             | 190              | 243                     | 3157            | 25.2                                 | 26.4                               | 25.8                            |
| 70             | 178              | 241                     | 2957            | 23.3                                 | 24.5                               | 23.9                            |
| 65             | 165              | 238                     | 2741            | 21.3                                 | 22.3                               | 21.8                            |
| 60             | 152              | 235                     | 2525            | 19.4                                 | 20.3                               | 19.8                            |
| 55             | 140              | 232                     | 2326            | 17.7                                 | 18.5                               | 18.1                            |
| 50             | 127              | 229                     | 2110            | 15.9                                 | 16.7                               | 16.3                            |
| 45             | 114              | 225                     | 1894            | 14.2                                 | 14.9                               | 14.6                            |
| 40             | 102              | 221                     | 1695            | 12.7                                 | 13.2                               | 13.0                            |
| 35             | 89               | 216                     | 1479            | 11.0                                 | 11.6                               | 11.3                            |
| 30             | 76               | 210                     | 1263            | 9.5                                  | 9.9                                | 9.7                             |
| 25             | 63               | 203                     | 1047            | 8.0                                  | 8.4                                | 8.2                             |
| 20             | 51               | 195                     | 847             | 6.7                                  | 7.0                                | 6.8                             |
| 15             | 38               | 184                     | 631             | 5.3                                  | 5.5                                | 5.4                             |
| 10             | 26               | 171                     | 432             | 4.1                                  | 4.3                                | 4.2                             |

## Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] Lebensdauerbeginn | Systemleistung [W] Lebensdauerende | Systemleistung [W] Durchschnitt |
|----------------|------------------|-------------------------|-----------------|--------------------------------------|------------------------------------|---------------------------------|
| 100            | 254              | 254                     | 4210            | 35.7                                 | 37.4                               | 36.6                            |
| 95             | 241              | 252                     | 3995            | 33.3                                 | 34.9                               | 34.1                            |
| 90             | 229              | 250                     | 3796            | 31.2                                 | 32.7                               | 32.0                            |
| 85             | 216              | 248                     | 3580            | 29.0                                 | 30.5                               | 29.8                            |
| 80             | 203              | 246                     | 3365            | 26.9                                 | 28.2                               | 27.6                            |
| 75             | 190              | 243                     | 3149            | 24.9                                 | 26.0                               | 25.4                            |
| 70             | 178              | 241                     | 2950            | 23.1                                 | 24.1                               | 23.6                            |
| 65             | 165              | 238                     | 2735            | 21.2                                 | 22.1                               | 21.6                            |
| 60             | 152              | 235                     | 2519            | 19.3                                 | 20.2                               | 19.8                            |
| 55             | 140              | 232                     | 2320            | 17.6                                 | 18.4                               | 18.0                            |
| 50             | 127              | 229                     | 2105            | 15.9                                 | 16.6                               | 16.2                            |
| 45             | 114              | 225                     | 1890            | 14.2                                 | 14.8                               | 14.5                            |
| 40             | 102              | 221                     | 1691            | 12.7                                 | 13.2                               | 13.0                            |
| 35             | 89               | 216                     | 1475            | 11.1                                 | 11.6                               | 11.4                            |
| 30             | 76               | 210                     | 1260            | 9.5                                  | 9.9                                | 9.7                             |
| 25             | 63               | 203                     | 1044            | 8.1                                  | 8.3                                | 8.2                             |
| 20             | 51               | 195                     | 845             | 6.7                                  | 7.0                                | 6.8                             |
| 15             | 38               | 184                     | 630             | 5.4                                  | 5.6                                | 5.5                             |
| 11             | 27               | 172                     | 448             | 4.2                                  | 4.4                                | 4.3                             |

## Lichttechnischer Prüfbefund

|                                            |                                                               |                               |
|--------------------------------------------|---------------------------------------------------------------|-------------------------------|
| <b>Familie</b><br>Streetlight 21 micro LED | <b>Bestell-Nr.: 5XE1R31D08DB</b><br><b>EAN: 4069025148421</b> | <b>LP-Nummer</b><br>59535_171 |
|--------------------------------------------|---------------------------------------------------------------|-------------------------------|

|                           |                           |               |
|---------------------------|---------------------------|---------------|
| <b>Dimmstufen-Tabelle</b> | Umgebungstemperatur: 15°C | <b>sITeco</b> |
|---------------------------|---------------------------|---------------|

| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] Lebensdauerbeginn | Systemleistung [W] Lebensdauerende | Systemleistung [W] Durchschnitt |
|----------------|------------------|-------------------------|-----------------|--------------------------------------|------------------------------------|---------------------------------|
| 100            | 254              | 254                     | 4210            | 36.0                                 | 37.7                               | 36.8                            |
| 95             | 241              | 252                     | 3995            | 33.6                                 | 35.2                               | 34.4                            |
| 90             | 229              | 250                     | 3796            | 31.5                                 | 32.9                               | 32.2                            |
| 85             | 216              | 248                     | 3580            | 29.2                                 | 30.6                               | 29.9                            |
| 80             | 203              | 246                     | 3365            | 27.0                                 | 28.4                               | 27.7                            |
| 75             | 190              | 243                     | 3149            | 25.0                                 | 26.2                               | 25.6                            |
| 70             | 178              | 241                     | 2950            | 23.1                                 | 24.2                               | 23.6                            |
| 65             | 165              | 238                     | 2735            | 21.2                                 | 22.1                               | 21.6                            |
| 60             | 152              | 235                     | 2519            | 19.3                                 | 20.2                               | 19.8                            |
| 55             | 140              | 232                     | 2321            | 17.7                                 | 18.4                               | 18.0                            |
| 50             | 127              | 229                     | 2105            | 15.9                                 | 16.6                               | 16.2                            |
| 45             | 114              | 225                     | 1890            | 14.2                                 | 14.8                               | 14.5                            |
| 40             | 102              | 221                     | 1691            | 12.7                                 | 13.2                               | 13.0                            |
| 35             | 89               | 216                     | 1475            | 11.0                                 | 11.5                               | 11.2                            |
| 30             | 76               | 210                     | 1260            | 9.5                                  | 9.9                                | 9.7                             |
| 25             | 63               | 203                     | 1044            | 8.0                                  | 8.4                                | 8.2                             |
| 20             | 51               | 195                     | 845             | 6.7                                  | 6.9                                | 6.8                             |
| 15             | 38               | 184                     | 630             | 5.4                                  | 5.5                                | 5.4                             |
| 11             | 27               | 172                     | 448             | 4.2                                  | 4.4                                | 4.3                             |

## Lichttechnischer Prüfbefund

**Familie**  
**Streetlight 21 micro LED**

**Bestell-Nr.: 5XE1R31D08DB**  
**EAN: 4069025148421**

**LP-Nummer**  
**59535\_171**

### Lichtstrom-Tabelle

**siteco**

| Temperatur<br>°C | Lichtstrom<br>lm | Systemleistung<br>W |
|------------------|------------------|---------------------|
| 25.0             | 4220.0           | 36.4                |
| 5.0              | 4210.0           | 35.7                |
| 15.0             | 4210.0           | 36.0                |