

## Photometric test report

### Family Streetlight 21 mini LED

**Order number: 5XE2M31G08JB**  
**EAN: 4058352681992**

**LP number**  
**59158\_40**



|                     |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| <b>Version</b>      | post-top or side-entry mounting                                                             |
| <b>Optic</b>        | asymmetric, wide distribution (ST1.0a G), Back Light Control (BLC)                          |
| <b>Cover</b>        | toughened safety glass                                                                      |
| <b>Lamps</b>        | LED 3000 K   CRI ≥ 70                                                                       |
| <b>Controlgear</b>  | ECG SITECO iQ                                                                               |
| <b>Rated values</b> | Net luminous flux = 9530 lm<br>Power consumption = 71.6 W<br>Luminous efficacy = 133.1 lm/W |

**serial**  
**documentation**  
**23.08.2022**

**siteco**

**Luminous intensity in cd/klm**

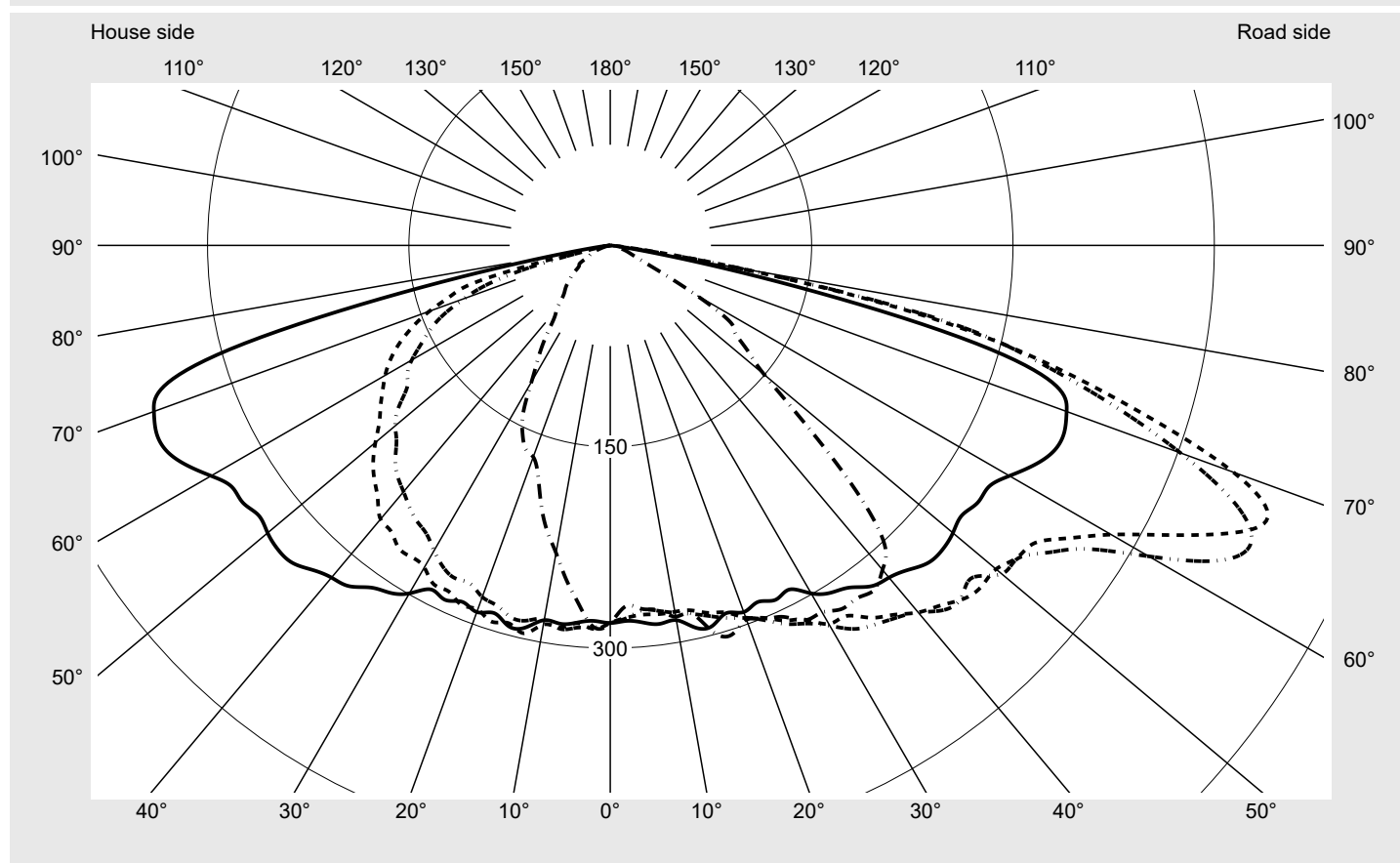
**C180-0**

**C195-15**

**C200-20**

**C270-90**

**Imax: 530 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°  | 494.0 |
| Imax 80°  | 97.3  |
| Imax 90°  | 0.0   |
| Imax >90° | 0.0   |
| Imax >95° | 0.0   |

#### Measurement conditions

DIN EN 13032 and DIN 5032

## Photometric test report

Family  
**Streetlight 21 mini LED**

Order number: **5XE2M31G08JB**  
EAN: **4058352681992**

LP number  
**59158\_40**

Envelope curve in cd/klm

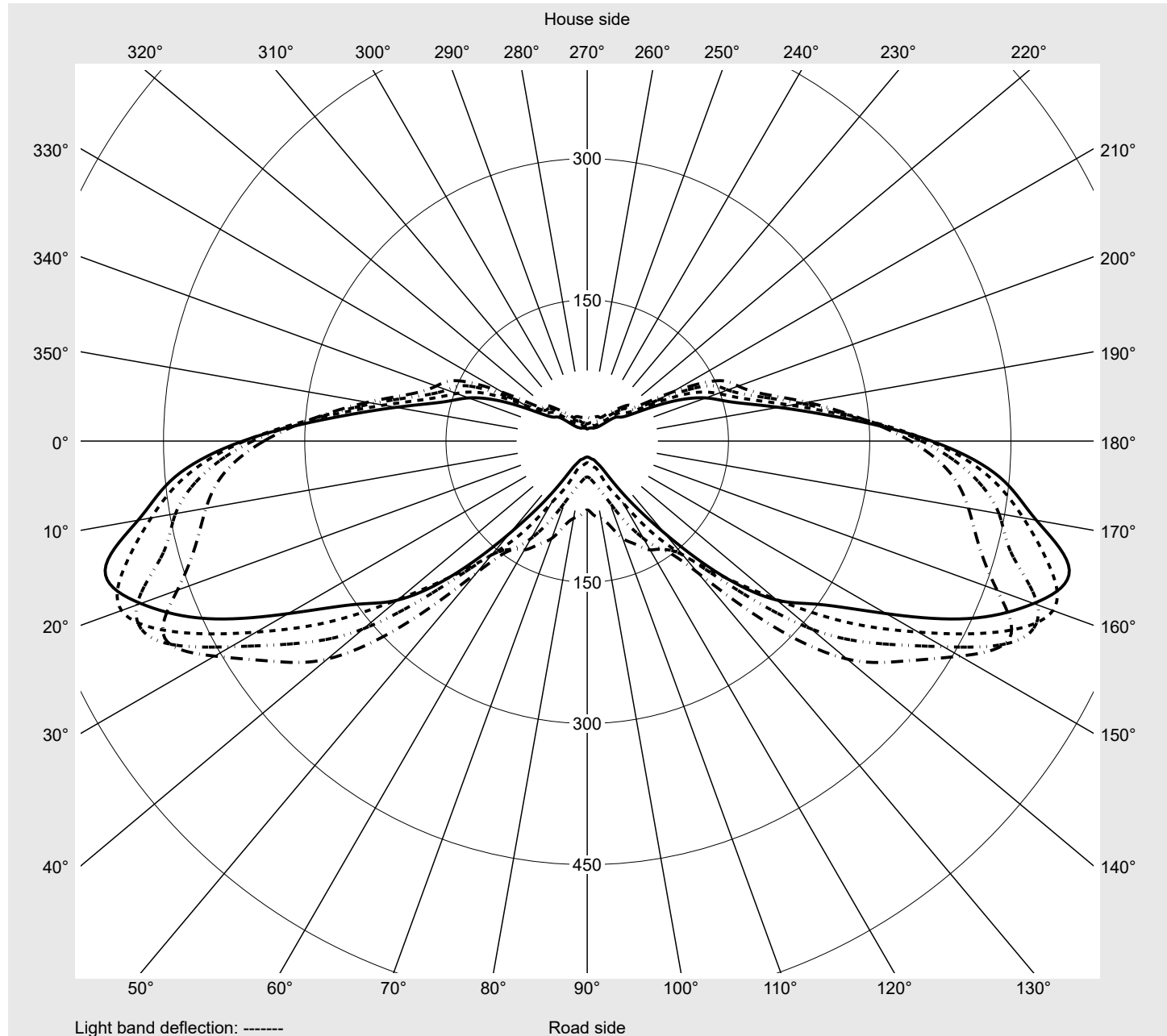
KMK 67.5°

KMK 65°

KMK 62.5°

KMK 60°

**siteco**



Photometric test report

|                                   |                                                  |                       |
|-----------------------------------|--------------------------------------------------|-----------------------|
| Family<br>Streetlight 21 mini LED | Order number: 5XE2M31G08JB<br>EAN: 4058352681992 | LP number<br>59158_40 |
|-----------------------------------|--------------------------------------------------|-----------------------|

|                                          |                            |        |
|------------------------------------------|----------------------------|--------|
| Table of values for luminous intensities | Maximum luminous intensity | siteco |
|------------------------------------------|----------------------------|--------|

| C-<br>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° |
|--------------|------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| γ            | Luminous intensity in cd/klm |            |             |             |             |             |             |             |             |             |             |             |             |
| 0,0°         | 281.3                        | 281.3      | 281.3       | 281.3       | 281.3       | 281.3       | 281.3       | 281.3       | 281.3       | 281.3       | 281.3       | 281.3       | 281.3       |
| 2,5°         | 280.0                        | 279.5      | 279.2       | 277.7       | 277.9       | 277.2       | 277.5       | 277.2       | 275.6       | 274.9       | 274.1       | 272.2       | 271.9       |
| 5,0°         | 282.0                        | 279.0      | 278.0       | 276.1       | 272.9       | 271.2       | 268.2       | 269.1       | 269.6       | 270.1       | 269.8       | 269.1       | 270.9       |
| 7,5°         | 284.3                        | 282.5      | 280.2       | 277.0       | 274.6       | 269.8       | 270.2       | 271.2       | 274.2       | 276.9       | 275.3       | 277.1       | 278.7       |
| 10,0°        | 283.5                        | 278.8      | 278.9       | 277.1       | 277.9       | 275.3       | 275.0       | 274.3       | 277.9       | 276.8       | 278.3       | 280.6       | 285.6       |
| 12,5°        | 291.5                        | 283.0      | 278.6       | 278.5       | 281.2       | 284.6       | 289.1       | 289.5       | 285.3       | 284.2       | 286.1       | 285.7       | 287.3       |
| 15,0°        | 293.5                        | 287.3      | 282.6       | 283.4       | 285.9       | 287.5       | 291.2       | 291.6       | 289.1       | 290.7       | 289.2       | 288.4       | 292.5       |
| 17,5°        | 287.2                        | 283.0      | 284.7       | 286.8       | 291.0       | 295.5       | 294.3       | 295.6       | 291.9       | 292.9       | 293.3       | 291.2       | 291.8       |
| 20,0°        | 290.7                        | 291.7      | 292.2       | 295.1       | 295.4       | 298.3       | 298.7       | 298.0       | 297.8       | 295.7       | 296.5       | 296.5       | 299.4       |
| 22,5°        | 287.5                        | 290.7      | 295.2       | 300.3       | 302.4       | 303.2       | 304.2       | 303.3       | 305.0       | 303.4       | 306.4       | 303.6       | 308.2       |
| 25,0°        | 291.3                        | 293.7      | 300.6       | 308.4       | 311.2       | 310.2       | 305.1       | 310.6       | 315.6       | 314.0       | 311.9       | 310.8       | 313.1       |
| 27,5°        | 289.0                        | 299.0      | 309.0       | 314.3       | 317.6       | 319.7       | 315.4       | 321.2       | 315.6       | 313.1       | 310.8       | 312.4       | 317.4       |
| 30,0°        | 299.3                        | 307.0      | 319.6       | 325.6       | 327.2       | 326.9       | 321.7       | 323.1       | 317.8       | 323.1       | 319.9       | 314.6       | 319.2       |
| 32,5°        | 306.6                        | 316.1      | 327.3       | 327.3       | 338.8       | 336.8       | 328.0       | 332.2       | 327.0       | 328.7       | 324.9       | 323.3       | 321.4       |
| 35,0°        | 311.1                        | 323.0      | 331.4       | 338.6       | 344.6       | 341.3       | 340.8       | 340.2       | 334.2       | 335.6       | 333.1       | 338.0       | 343.9       |
| 37,5°        | 319.9                        | 329.0      | 340.9       | 346.8       | 349.7       | 351.4       | 343.0       | 340.3       | 343.7       | 357.2       | 349.0       | 349.3       | 350.7       |
| 40,0°        | 323.1                        | 341.3      | 350.9       | 356.9       | 356.9       | 355.3       | 348.8       | 348.2       | 355.8       | 358.7       | 355.6       | 359.4       | 347.1       |
| 42,5°        | 328.0                        | 352.6      | 360.8       | 363.9       | 368.3       | 358.2       | 356.2       | 364.4       | 370.1       | 370.9       | 367.6       | 359.1       | 344.9       |
| 45,0°        | 334.6                        | 357.9      | 364.8       | 372.3       | 370.2       | 361.6       | 366.2       | 373.8       | 385.7       | 385.3       | 368.9       | 360.6       | 349.9       |
| 47,5°        | 335.6                        | 361.2      | 371.9       | 375.5       | 366.2       | 374.6       | 379.7       | 390.8       | 395.5       | 392.9       | 373.7       | 358.5       | 330.6       |
| 50,0°        | 333.2                        | 358.6      | 375.4       | 375.2       | 380.7       | 383.0       | 391.4       | 407.7       | 423.6       | 398.5       | 367.7       | 329.8       | 282.7       |
| 52,5°        | 330.3                        | 358.8      | 373.2       | 382.1       | 382.9       | 396.7       | 409.7       | 434.6       | 441.4       | 401.3       | 350.0       | 291.1       | 233.7       |
| 55,0°        | 334.1                        | 363.5      | 378.1       | 386.3       | 398.8       | 423.8       | 441.5       | 441.1       | 420.3       | 385.7       | 309.2       | 234.7       | 184.4       |
| 57,5°        | 334.5                        | 363.0      | 386.9       | 405.8       | 420.8       | 451.3       | 460.8       | 432.9       | 394.6       | 333.1       | 244.9       | 182.0       | 145.6       |
| 60,0°        | 343.4                        | 386.8      | 411.2       | 430.9       | 463.3       | 495.1       | 456.9       | 407.8       | 360.3       | 277.0       | 182.7       | 141.5       | 133.5       |
| 62,5°        | 355.2                        | 409.6      | 444.0       | 467.2       | 508.8       | 502.5       | 436.9       | 374.5       | 310.3       | 220.8       | 158.1       | 140.1       | 119.6       |
| 65,0°        | 363.9                        | 427.8      | 470.2       | 507.6       | 526.4       | 480.2       | 405.9       | 335.1       | 261.4       | 202.9       | 157.6       | 116.6       | 75.7        |
| 67,5°        | 365.9                        | 439.7      | 484.4       | 530.1       | 504.6       | 446.2       | 366.6       | 302.8       | 262.8       | 201.3       | 127.5       | 74.5        | 38.3        |
| 70,0°        | 361.8                        | 427.3      | 480.7       | 494.0       | 452.1       | 390.2       | 353.2       | 342.1       | 271.3       | 160.9       | 82.6        | 40.8        | 21.3        |
| 72,5°        | 348.5                        | 390.9      | 432.9       | 414.9       | 389.5       | 361.2       | 397.1       | 367.5       | 221.1       | 100.7       | 40.3        | 20.0        | 14.8        |
| 75,0°        | 281.9                        | 295.0      | 323.9       | 333.1       | 324.9       | 367.7       | 367.8       | 233.4       | 109.1       | 39.6        | 15.4        | 12.6        | 11.4        |
| 77,5°        | 143.0                        | 161.3      | 198.8       | 233.5       | 244.3       | 250.6       | 175.4       | 81.5        | 27.2        | 12.1        | 10.0        | 8.7         | 7.3         |
| 80,0°        | 40.2                         | 63.0       | 91.1        | 97.3        | 95.2        | 86.7        | 27.8        | 12.7        | 6.5         | 6.7         | 7.5         | 5.6         | 4.2         |
| 82,5°        | 8.8                          | 13.8       | 20.6        | 21.5        | 16.3        | 17.5        | 5.0         | 3.3         | 2.6         | 3.3         | 3.9         | 2.7         | 2.0         |
| 85,0°        | 1.2                          | 1.3        | 1.5         | 1.6         | 1.4         | 1.7         | 1.3         | 1.2         | 1.1         | 0.9         | 1.1         | 0.8         | 0.7         |
| 87,5°        | 0.3                          | 0.3        | 0.4         | 0.4         | 0.4         | 0.4         | 0.4         | 0.3         | 0.3         | 0.3         | 0.3         | 0.3         | 0.3         |
| 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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|                                          |                              |                                                  |             |             |            |       |              |              |              |                            |              |                       |              |
|------------------------------------------|------------------------------|--------------------------------------------------|-------------|-------------|------------|-------|--------------|--------------|--------------|----------------------------|--------------|-----------------------|--------------|
| Family<br>Streetlight 21 mini LED        |                              | Order number: 5XE2M31G08JB<br>EAN: 4058352681992 |             |             |            |       |              |              |              |                            |              | LP number<br>59158_40 |              |
| Table of values for luminous intensities |                              |                                                  |             |             |            |       |              |              |              | Maximum luminous intensity |              | siteco                |              |
| C-<br>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°                                     | 281.3                        | 281.3                                            | 281.3       | 281.3       | 281.3      | 281.3 | 281.3        | 281.3        | 281.3        | 281.3                      | 281.3        | 281.3                 | 281.3        |
| 2,5°                                     | 272.1                        | 269.9                                            | 267.0       | 268.1       | 268.5      | 269.0 | 281.4        | 284.1        | 286.0        | 285.0                      | 286.1        | 285.9                 | 287.0        |
| 5,0°                                     | 269.3                        | 272.2                                            | 271.3       | 271.9       | 270.8      | 271.9 | 283.4        | 282.6        | 282.5        | 285.9                      | 285.5        | 283.5                 | 281.1        |
| 7,5°                                     | 280.9                        | 281.1                                            | 280.2       | 277.5       | 274.1      | 274.1 | 286.0        | 287.6        | 287.0        | 288.0                      | 286.8        | 283.0                 | 277.5        |
| 10,0°                                    | 287.1                        | 285.1                                            | 283.0       | 280.7       | 279.3      | 280.8 | 287.8        | 290.8        | 286.8        | 282.7                      | 279.5        | 273.9                 | 268.3        |
| 12,5°                                    | 285.5                        | 284.2                                            | 286.0       | 288.9       | 286.6      | 281.0 | 295.5        | 295.8        | 296.0        | 286.2                      | 277.7        | 269.6                 | 261.9        |
| 15,0°                                    | 292.0                        | 290.2                                            | 289.8       | 292.0       | 297.5      | 298.6 | 293.5        | 294.0        | 291.5        | 286.7                      | 277.3        | 264.8                 | 251.5        |
| 17,5°                                    | 294.8                        | 294.5                                            | 298.3       | 293.0       | 297.4      | 303.5 | 292.3        | 293.3        | 293.9        | 281.3                      | 267.6        | 258.9                 | 240.9        |
| 20,0°                                    | 299.0                        | 299.5                                            | 304.2       | 296.9       | 296.7      | 296.7 | 294.8        | 297.3        | 288.7        | 278.8                      | 264.7        | 247.9                 | 234.6        |
| 22,5°                                    | 307.0                        | 303.9                                            | 307.2       | 305.2       | 303.5      | 301.1 | 292.3        | 292.7        | 289.8        | 272.7                      | 253.1        | 235.2                 | 224.2        |
| 25,0°                                    | 308.5                        | 307.0                                            | 306.5       | 307.6       | 304.1      | 305.3 | 288.3        | 287.7        | 284.5        | 273.6                      | 248.9        | 229.8                 | 214.2        |
| 27,5°                                    | 309.7                        | 310.9                                            | 309.1       | 310.5       | 312.1      | 314.7 | 284.8        | 292.0        | 284.6        | 269.9                      | 246.9        | 218.6                 | 204.8        |
| 30,0°                                    | 318.8                        | 313.0                                            | 316.5       | 319.3       | 321.1      | 315.6 | 288.4        | 288.0        | 277.1        | 262.6                      | 236.5        | 216.2                 | 195.1        |
| 32,5°                                    | 328.3                        | 327.3                                            | 324.1       | 328.0       | 321.7      | 321.1 | 292.1        | 283.3        | 275.4        | 254.8                      | 232.4        | 204.0                 | 187.3        |
| 35,0°                                    | 333.0                        | 330.3                                            | 327.3       | 330.3       | 321.0      | 320.8 | 293.4        | 280.5        | 274.9        | 250.9                      | 222.6        | 198.5                 | 180.2        |
| 37,5°                                    | 347.6                        | 338.1                                            | 337.0       | 331.1       | 320.5      | 323.3 | 300.7        | 280.1        | 268.4        | 245.7                      | 215.7        | 189.0                 | 173.6        |
| 40,0°                                    | 336.7                        | 326.6                                            | 325.9       | 326.6       | 319.5      | 315.5 | 299.6        | 275.7        | 266.2        | 239.6                      | 208.1        | 184.4                 | 173.4        |
| 42,5°                                    | 338.1                        | 330.2                                            | 318.5       | 318.1       | 304.4      | 302.6 | 299.3        | 268.9        | 256.4        | 234.2                      | 201.3        | 180.8                 | 167.8        |
| 45,0°                                    | 331.0                        | 306.8                                            | 290.4       | 268.8       | 256.0      | 259.8 | 300.8        | 268.3        | 248.2        | 226.4                      | 193.0        | 177.1                 | 163.8        |
| 47,5°                                    | 292.1                        | 250.6                                            | 224.1       | 205.0       | 194.0      | 197.9 | 301.3        | 257.8        | 239.6        | 216.0                      | 186.1        | 176.6                 | 150.4        |
| 50,0°                                    | 230.3                        | 192.7                                            | 175.9       | 164.2       | 151.9      | 149.7 | 291.8        | 255.7        | 228.4        | 209.2                      | 179.8        | 170.6                 | 134.0        |
| 52,5°                                    | 178.9                        | 156.0                                            | 144.3       | 133.1       | 130.3      | 129.2 | 290.2        | 246.4        | 216.9        | 199.0                      | 174.2        | 152.8                 | 114.9        |
| 55,0°                                    | 145.4                        | 130.5                                            | 117.0       | 116.4       | 114.2      | 113.5 | 290.0        | 243.5        | 208.9        | 184.8                      | 172.7        | 133.8                 | 95.4         |
| 57,5°                                    | 121.3                        | 117.8                                            | 115.4       | 113.0       | 105.4      | 105.7 | 290.5        | 241.2        | 201.0        | 179.3                      | 161.5        | 119.5                 | 77.5         |
| 60,0°                                    | 120.8                        | 110.0                                            | 93.0        | 83.4        | 79.0       | 73.2  | 288.7        | 237.1        | 193.6        | 170.7                      | 151.6        | 103.2                 | 63.9         |
| 62,5°                                    | 93.2                         | 69.2                                             | 54.5        | 45.9        | 40.4       | 38.1  | 287.6        | 230.5        | 184.8        | 158.7                      | 138.3        | 87.8                  | 57.4         |
| 65,0°                                    | 54.2                         | 33.9                                             | 28.7        | 26.2        | 24.3       | 23.1  | 285.3        | 219.6        | 173.6        | 147.8                      | 120.0        | 76.2                  | 53.1         |
| 67,5°                                    | 26.5                         | 21.4                                             | 19.9        | 18.4        | 17.4       | 16.9  | 275.2        | 206.3        | 159.8        | 134.0                      | 99.6         | 61.1                  | 44.4         |
| 70,0°                                    | 17.3                         | 16.2                                             | 15.1        | 13.9        | 13.6       | 13.6  | 271.2        | 190.7        | 143.4        | 115.8                      | 76.3         | 41.8                  | 37.8         |
| 72,5°                                    | 13.4                         | 12.4                                             | 11.4        | 10.8        | 10.3       | 10.1  | 262.2        | 181.5        | 124.0        | 94.7                       | 40.9         | 29.8                  | 31.2         |
| 75,0°                                    | 9.9                          | 9.0                                              | 7.8         | 7.7         | 7.0        | 7.0   | 234.3        | 162.3        | 97.6         | 56.0                       | 20.7         | 21.7                  | 24.4         |
| 77,5°                                    | 6.2                          | 5.7                                              | 5.2         | 5.0         | 4.7        | 4.7   | 137.1        | 75.6         | 26.2         | 11.1                       | 9.8          | 13.4                  | 15.8         |
| 80,0°                                    | 3.7                          | 3.3                                              | 3.1         | 3.0         | 2.9        | 2.6   | 42.3         | 12.7         | 5.3          | 5.7                        | 5.5          | 8.1                   | 8.7          |
| 82,5°                                    | 1.7                          | 1.8                                              | 1.5         | 1.5         | 1.5        | 1.4   | 7.6          | 3.1          | 2.7          | 2.5                        | 2.5          | 3.6                   | 4.0          |
| 85,0°                                    | 0.7                          | 0.7                                              | 0.6         | 0.6         | 0.5        | 0.6   | 1.3          | 1.2          | 1.1          | 1.1                        | 1.0          | 1.1                   | 1.0          |
| 87,5°                                    | 0.2                          | 0.2                                              | 0.1         | 0.1         | 0.1        | 0.1   | 0.3          | 0.3          | 0.2          | 0.3                        | 0.2          | 0.2                   | 0.2          |
| 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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|                                          |                              |                                                  |              |              |              |              |              |              |              |                            |                         |                       |                   |
|------------------------------------------|------------------------------|--------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------------|-------------------------|-----------------------|-------------------|
| Family<br>Streetlight 21 mini LED        |                              | Order number: 5XE2M31G08JB<br>EAN: 4058352681992 |              |              |              |              |              |              |              |                            |                         | LP number<br>59158_40 |                   |
| Table of values for luminous intensities |                              |                                                  |              |              |              |              |              |              |              | Maximum luminous intensity |                         | sīTeco                |                   |
| C-<br>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°                                     | 281.3                        | 281.3                                            | 281.3        | 281.3        | 281.3        | 281.3        | 281.3        | 281.3        | 281.3        | 281.3                      | 281.3                   | 0.4                   | 0.4               |
| 2,5°                                     | 286.8                        | 285.3                                            | 284.3        | 284.7        | 284.2        | 283.3        | 284.6        | 283.3        | 283.5        | 283.7                      | 284.6                   | 3.3                   | 3.8               |
| 5,0°                                     | 278.6                        | 276.1                                            | 273.1        | 270.4        | 269.6        | 267.2        | 264.9        | 267.7        | 269.2        | 270.0                      | 268.4                   | 6.5                   | 10.3              |
| 7,5°                                     | 270.7                        | 265.2                                            | 261.6        | 259.4        | 254.7        | 252.2        | 249.7        | 249.3        | 251.4        | 252.1                      | 251.1                   | 9.8                   | 20.1              |
| 10,0°                                    | 262.4                        | 258.2                                            | 251.3        | 247.1        | 241.7        | 240.5        | 235.9        | 232.2        | 229.7        | 232.0                      | 232.6                   | 12.8                  | 32.9              |
| 12,5°                                    | 253.0                        | 248.1                                            | 241.3        | 233.4        | 227.8        | 225.9        | 222.1        | 221.1        | 217.0        | 216.2                      | 217.6                   | 15.9                  | 48.8              |
| 15,0°                                    | 243.5                        | 238.9                                            | 227.1        | 220.2        | 215.6        | 207.2        | 202.8        | 202.4        | 199.4        | 197.5                      | 199.3                   | 18.9                  | 67.7              |
| 17,5°                                    | 230.7                        | 224.5                                            | 216.6        | 207.3        | 197.9        | 192.6        | 186.1        | 186.7        | 184.9        | 178.1                      | 179.1                   | 21.6                  | 89.3              |
| 20,0°                                    | 224.7                        | 212.9                                            | 200.9        | 190.3        | 179.3        | 178.3        | 173.5        | 168.8        | 172.8        | 171.2                      | 167.7                   | 24.4                  | 113.7             |
| 22,5°                                    | 214.9                        | 197.6                                            | 181.9        | 175.8        | 167.5        | 170.4        | 169.4        | 167.1        | 165.9        | 164.7                      | 164.5                   | 27.1                  | 140.8             |
| 25,0°                                    | 197.9                        | 180.7                                            | 172.8        | 169.2        | 165.1        | 160.8        | 159.9        | 160.1        | 158.1        | 157.3                      | 154.6                   | 29.8                  | 170.6             |
| 27,5°                                    | 187.3                        | 175.1                                            | 165.8        | 162.0        | 159.3        | 153.5        | 151.8        | 145.8        | 145.0        | 142.8                      | 140.4                   | 32.4                  | 203.0             |
| 30,0°                                    | 177.2                        | 171.0                                            | 166.6        | 158.9        | 151.2        | 143.8        | 132.7        | 128.8        | 124.3        | 120.6                      | 117.3                   | 35.0                  | 238.0             |
| 32,5°                                    | 172.7                        | 165.1                                            | 158.2        | 150.4        | 138.9        | 130.3        | 117.7        | 112.6        | 105.8        | 101.8                      | 100.1                   | 37.5                  | 275.5             |
| 35,0°                                    | 173.7                        | 161.0                                            | 152.4        | 138.3        | 123.5        | 111.2        | 100.8        | 90.8         | 89.5         | 87.5                       | 84.7                    | 39.9                  | 315.4             |
| 37,5°                                    | 166.8                        | 154.7                                            | 137.1        | 122.9        | 105.2        | 92.7         | 86.3         | 81.1         | 76.6         | 73.0                       | 69.0                    | 42.2                  | 357.6             |
| 40,0°                                    | 159.6                        | 145.5                                            | 123.8        | 107.7        | 92.7         | 82.7         | 77.8         | 70.9         | 66.2         | 62.7                       | 61.7                    | 44.1                  | 401.8             |
| 42,5°                                    | 150.3                        | 129.1                                            | 106.2        | 93.0         | 85.0         | 75.6         | 70.1         | 65.3         | 59.6         | 54.9                       | 52.8                    | 46.0                  | 447.8             |
| 45,0°                                    | 137.4                        | 114.1                                            | 93.1         | 85.0         | 75.9         | 66.1         | 59.6         | 54.8         | 50.9         | 50.0                       | 47.9                    | 47.0                  | 494.8             |
| 47,5°                                    | 124.3                        | 96.6                                             | 84.4         | 75.5         | 64.4         | 54.9         | 48.4         | 46.6         | 45.4         | 44.6                       | 44.2                    | 46.6                  | 541.4             |
| 50,0°                                    | 105.0                        | 86.9                                             | 74.5         | 66.3         | 55.3         | 47.4         | 42.9         | 41.6         | 41.5         | 39.7                       | 39.3                    | 46.0                  | 587.4             |
| 52,5°                                    | 89.2                         | 76.5                                             | 63.7         | 53.4         | 45.8         | 41.0         | 37.8         | 37.7         | 35.4         | 34.8                       | 35.4                    | 45.4                  | 632.9             |
| 55,0°                                    | 75.3                         | 68.1                                             | 53.2         | 44.9         | 38.3         | 35.9         | 34.0         | 34.1         | 32.0         | 31.4                       | 29.8                    | 44.7                  | 677.6             |
| 57,5°                                    | 64.5                         | 56.8                                             | 45.7         | 39.7         | 34.2         | 32.8         | 30.9         | 30.2         | 29.1         | 28.8                       | 27.4                    | 44.0                  | 721.6             |
| 60,0°                                    | 59.0                         | 50.3                                             | 41.2         | 33.9         | 28.9         | 28.5         | 27.6         | 26.2         | 25.5         | 24.9                       | 25.3                    | 43.4                  | 765.0             |
| 62,5°                                    | 53.6                         | 44.6                                             | 34.6         | 28.4         | 25.6         | 23.6         | 22.6         | 20.3         | 19.8         | 18.9                       | 18.3                    | 42.0                  | 807.0             |
| 65,0°                                    | 47.4                         | 37.5                                             | 28.0         | 23.1         | 19.9         | 17.9         | 17.8         | 16.5         | 16.2         | 16.0                       | 16.2                    | 40.3                  | 847.3             |
| 67,5°                                    | 39.3                         | 28.4                                             | 21.3         | 17.9         | 16.3         | 15.1         | 14.9         | 14.3         | 14.0         | 13.4                       | 12.8                    | 38.3                  | 885.6             |
| 70,0°                                    | 31.7                         | 19.8                                             | 16.1         | 15.1         | 13.5         | 11.7         | 11.5         | 11.5         | 11.1         | 11.0                       | 10.7                    | 35.8                  | 921.3             |
| 72,5°                                    | 24.4                         | 15.2                                             | 12.7         | 11.7         | 10.5         | 9.3          | 8.6          | 8.1          | 7.7          | 7.5                        | 7.3                     | 32.3                  | 953.6             |
| 75,0°                                    | 17.7                         | 11.9                                             | 10.0         | 8.9          | 7.9          | 6.4          | 5.3          | 5.0          | 5.2          | 5.0                        | 4.8                     | 25.5                  | 979.1             |
| 77,5°                                    | 11.6                         | 7.9                                              | 6.4          | 5.8          | 4.8          | 3.7          | 3.2          | 3.1          | 2.9          | 2.5                        | 2.7                     | 14.3                  | 993.4             |
| 80,0°                                    | 6.9                          | 4.8                                              | 3.4          | 2.9          | 2.3          | 1.7          | 1.3          | 1.2          | 0.9          | 1.0                        | 1.1                     | 5.1                   | 998.5             |
| 82,5°                                    | 3.1                          | 2.0                                              | 1.3          | 1.1          | 0.9          | 0.4          | 0.4          | 0.4          | 0.4          | 0.4                        | 0.3                     | 1.3                   | 999.7             |
| 85,0°                                    | 0.8                          | 0.7                                              | 0.4          | 0.4          | 0.2          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1                        | 0.1                     | 0.2                   | 999.9             |
| 87,5°                                    | 0.1                          | 0.1                                              | 0.1          | 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            |

|        |          |         |        |        |        |
|--------|----------|---------|--------|--------|--------|
| office | industry | traffic | retail | public | sports |
|--------|----------|---------|--------|--------|--------|

## Photometric test report

|                                          |                                                                |                                 |
|------------------------------------------|----------------------------------------------------------------|---------------------------------|
| Family<br><b>Streetlight 21 mini LED</b> | Order number: <b>5XE2M31G08JB</b><br>EAN: <b>4058352681992</b> | LP number<br><b>59158_40</b>    |
| Dimming levels table                     |                                                                | environmental temperature: 25°C |

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| Luminous flux % | Dimming level linear | Dimming level logarithmic | Luminous flux [lm] | Power consumption [W] start of lifetime | Power consumption [W] end of lifetime | Power consumption [W] average |
|-----------------|----------------------|---------------------------|--------------------|-----------------------------------------|---------------------------------------|-------------------------------|
| 100             | 254                  | 254                       | 9530               | 71.6                                    | 74.6                                  | 73.1                          |
| 95              | 241                  | 252                       | 9042               | 67.1                                    | 69.8                                  | 68.4                          |
| 90              | 229                  | 250                       | 8592               | 63.2                                    | 65.6                                  | 64.4                          |
| 85              | 216                  | 248                       | 8104               | 58.9                                    | 61.2                                  | 60.0                          |
| 80              | 203                  | 246                       | 7616               | 54.8                                    | 56.8                                  | 55.8                          |
| 75              | 190                  | 243                       | 7129               | 50.7                                    | 52.7                                  | 51.7                          |
| 70              | 178                  | 241                       | 6679               | 47.1                                    | 48.9                                  | 48.0                          |
| 65              | 165                  | 238                       | 6191               | 43.3                                    | 44.9                                  | 44.1                          |
| 60              | 152                  | 235                       | 5703               | 39.6                                    | 41.1                                  | 40.4                          |
| 55              | 140                  | 232                       | 5253               | 36.2                                    | 37.5                                  | 36.8                          |
| 50              | 127                  | 229                       | 4765               | 32.7                                    | 33.8                                  | 33.2                          |
| 45              | 114                  | 225                       | 4277               | 29.2                                    | 30.3                                  | 29.8                          |
| 40              | 102                  | 221                       | 3827               | 26.1                                    | 27.0                                  | 26.6                          |
| 35              | 89                   | 216                       | 3339               | 22.7                                    | 23.5                                  | 23.1                          |
| 30              | 76                   | 210                       | 2851               | 19.5                                    | 20.1                                  | 19.8                          |
| 25              | 63                   | 203                       | 2364               | 16.3                                    | 16.9                                  | 16.6                          |
| 20              | 51                   | 195                       | 1914               | 13.6                                    | 14.0                                  | 13.8                          |
| 15              | 38                   | 184                       | 1426               | 10.6                                    | 10.8                                  | 10.7                          |
| 10              | 26                   | 171                       | 976                | 8.0                                     | 8.1                                   | 8.0                           |

| Dimming levels table |                      | environmental temperature: 5°C |                    |                                         |                                       |                               |
|----------------------|----------------------|--------------------------------|--------------------|-----------------------------------------|---------------------------------------|-------------------------------|
| Luminous flux %      | Dimming level linear | Dimming level logarithmic      | Luminous flux [lm] | Power consumption [W] start of lifetime | Power consumption [W] end of lifetime | Power consumption [W] average |
| 100                  | 254                  | 254                            | 9530               | 70.3                                    | 71.9                                  | 71.1                          |
| 95                   | 241                  | 252                            | 9042               | 66.0                                    | 67.6                                  | 66.8                          |
| 90                   | 229                  | 250                            | 8592               | 62.2                                    | 63.6                                  | 62.9                          |
| 85                   | 216                  | 248                            | 8104               | 58.1                                    | 59.4                                  | 58.8                          |
| 80                   | 203                  | 246                            | 7616               | 54.2                                    | 55.3                                  | 54.8                          |
| 75                   | 190                  | 243                            | 7129               | 50.3                                    | 51.3                                  | 50.8                          |
| 70                   | 178                  | 241                            | 6679               | 46.7                                    | 47.7                                  | 47.2                          |
| 65                   | 165                  | 238                            | 6191               | 43.0                                    | 43.9                                  | 43.4                          |
| 60                   | 152                  | 235                            | 5703               | 39.4                                    | 40.2                                  | 39.8                          |
| 55                   | 140                  | 232                            | 5253               | 36.0                                    | 36.8                                  | 36.4                          |
| 50                   | 127                  | 229                            | 4765               | 32.7                                    | 33.3                                  | 33.0                          |
| 45                   | 114                  | 225                            | 4277               | 29.1                                    | 29.8                                  | 29.4                          |
| 40                   | 102                  | 221                            | 3827               | 26.1                                    | 26.6                                  | 26.4                          |
| 35                   | 89                   | 216                            | 3339               | 22.7                                    | 23.2                                  | 23.0                          |
| 30                   | 76                   | 210                            | 2851               | 19.5                                    | 19.9                                  | 19.7                          |
| 25                   | 63                   | 203                            | 2364               | 16.4                                    | 16.8                                  | 16.6                          |
| 20                   | 51                   | 195                            | 1914               | 13.7                                    | 13.9                                  | 13.8                          |
| 15                   | 38                   | 184                            | 1426               | 10.7                                    | 10.8                                  | 10.8                          |
| 10                   | 26                   | 171                            | 976                | 8.0                                     | 8.1                                   | 8.0                           |

Photometric test report

|                                   |                                                  |                                 |
|-----------------------------------|--------------------------------------------------|---------------------------------|
| Family<br>Streetlight 21 mini LED | Order number: 5XE2M31G08JB<br>EAN: 4058352681992 | LP number<br>59158_40           |
| Dimming levels table              |                                                  | environmental temperature: 15°C |



| Luminous flux<br>% | Dimming level<br>linear | Dimming level<br>logarithmic | Luminous flux<br>[lm] | Power consumption<br>[W]<br>start of lifetime | Power consumption<br>[W]<br>end of lifetime | Power consumption<br>[W]<br>average |
|--------------------|-------------------------|------------------------------|-----------------------|-----------------------------------------------|---------------------------------------------|-------------------------------------|
| 100                | 254                     | 254                          | 9530                  | 70.9                                          | 73.6                                        | 72.2                                |
| 95                 | 241                     | 252                          | 9042                  | 66.5                                          | 69.1                                        | 67.8                                |
| 90                 | 229                     | 250                          | 8592                  | 62.5                                          | 65.0                                        | 63.8                                |
| 85                 | 216                     | 248                          | 8104                  | 58.5                                          | 60.6                                        | 59.6                                |
| 80                 | 203                     | 246                          | 7616                  | 54.4                                          | 56.4                                        | 55.4                                |
| 75                 | 190                     | 243                          | 7129                  | 50.4                                          | 52.3                                        | 51.4                                |
| 70                 | 178                     | 241                          | 6679                  | 46.9                                          | 48.6                                        | 47.8                                |
| 65                 | 165                     | 238                          | 6191                  | 43.1                                          | 44.7                                        | 43.9                                |
| 60                 | 152                     | 235                          | 5703                  | 39.5                                          | 40.8                                        | 40.2                                |
| 55                 | 140                     | 232                          | 5253                  | 36.1                                          | 37.4                                        | 36.8                                |
| 50                 | 127                     | 229                          | 4765                  | 32.6                                          | 33.7                                        | 33.2                                |
| 45                 | 114                     | 225                          | 4277                  | 29.1                                          | 30.2                                        | 29.6                                |
| 40                 | 102                     | 221                          | 3827                  | 26.1                                          | 27.0                                        | 26.6                                |
| 35                 | 89                      | 216                          | 3339                  | 22.7                                          | 23.5                                        | 23.1                                |
| 30                 | 76                      | 210                          | 2851                  | 19.5                                          | 20.2                                        | 19.8                                |
| 25                 | 63                      | 203                          | 2364                  | 16.3                                          | 17.0                                        | 16.6                                |
| 20                 | 51                      | 195                          | 1914                  | 13.6                                          | 14.0                                        | 13.8                                |
| 15                 | 38                      | 184                          | 1426                  | 10.6                                          | 10.9                                        | 10.8                                |
| 10                 | 26                      | 171                          | 976                   | 7.9                                           | 8.1                                         | 8.0                                 |

Photometric test report

|                                   |                                                  |                       |
|-----------------------------------|--------------------------------------------------|-----------------------|
| Family<br>Streetlight 21 mini LED | Order number: 5XE2M31G08JB<br>EAN: 4058352681992 | LP number<br>59158_40 |
| Luminousfluxs table               |                                                  | siteco                |

| Temperature<br>°C | Luminous flux<br>lm | Power consumption<br>W |
|-------------------|---------------------|------------------------|
| 25.0              | 9530.0              | 71.6                   |
| 5.0               | 9530.0              | 70.3                   |
| 15.0              | 9530.0              | 70.9                   |