

## Lichttechnischer Prüfbefund

**Familie**  
**DL® 30 LED**

**Bestell-Nr.: 5XA5132J1B08A5**  
**EAN: 4058352059012**

**LP-Nummer**  
**57205\_7**



|                        |  |
|------------------------|--|
| <b>Ausführung</b>      | Mastaufsatz-Montage  |
| <b>Optik</b>           | direkt, symmetrisch breit strahlend<br>C120002                                     |
| <b>Abdeckung</b>       | Abdeckung PMMA, schlagfest, IK08   |
| <b>Bestückung</b>      | LED 3000 K   CRI ≥ 80  |
| <b>Betriebsgerät</b>   | EVG Plus   |
| <b>Bemessungswerte</b> | Nettolichtstrom = 5780 lm<br>Systemleistung = 52.0 W<br>Lichtausbeute = 111.2 lm/W |

**Seriendokumentation**  
**18.11.2020**

**siteco**

**Lichtstärke in cd/klm**

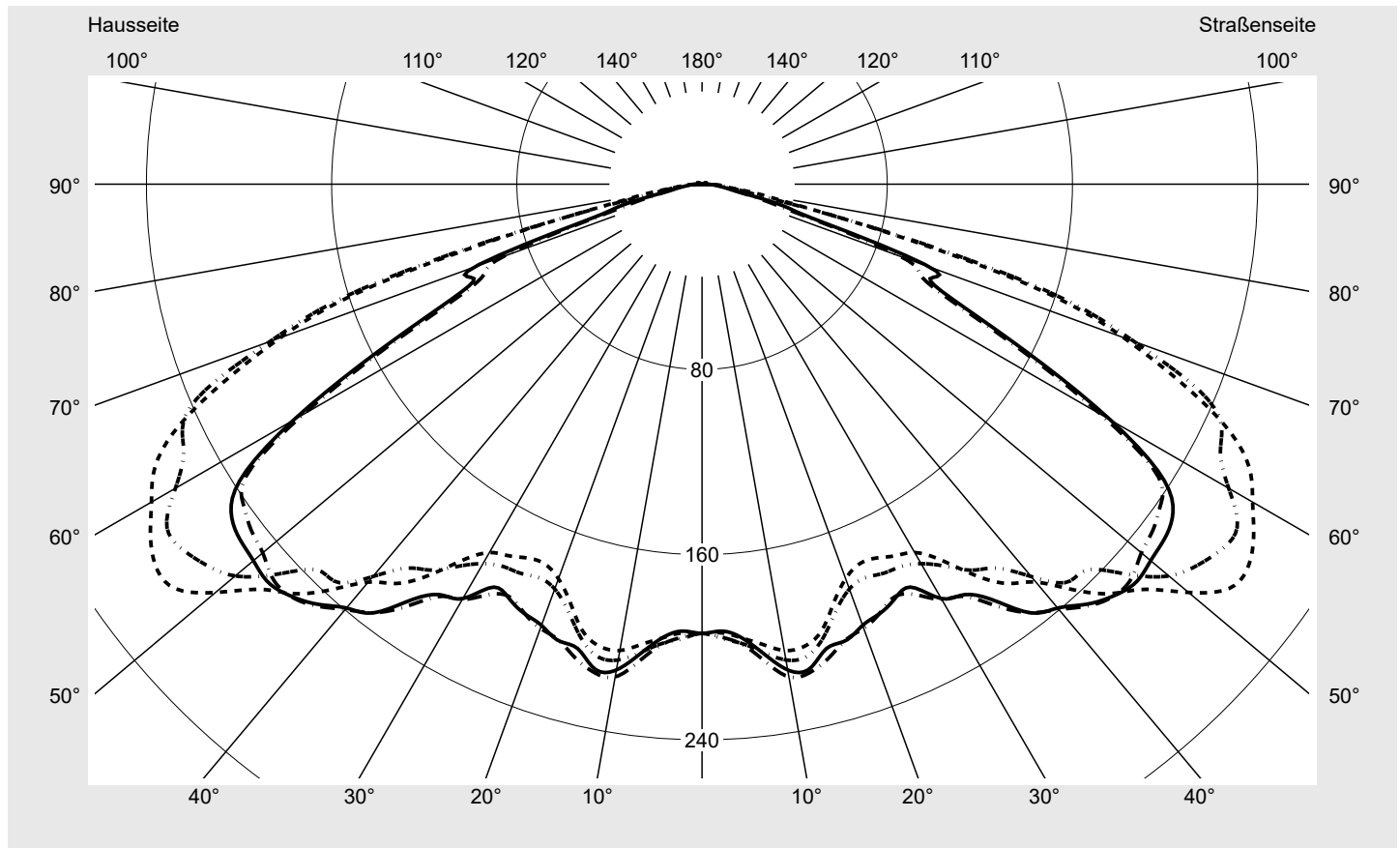
**C180-0**

**C235-55**

**C240-60**

**C270-90**

**Imax: 288 cd/klm**



**Leuchtenbetriebswirkungsgrade**

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

**Lichtstärkeklasse nach EN13201-2**

|           |       |
|-----------|-------|
| Klasse:   | G6    |
| Imax 70°  | 198.5 |
| Imax 80°  | 25.7  |
| Imax 90°  | 0.0   |
| Imax >90° | 0.0   |
| Imax >95° | 0.0   |

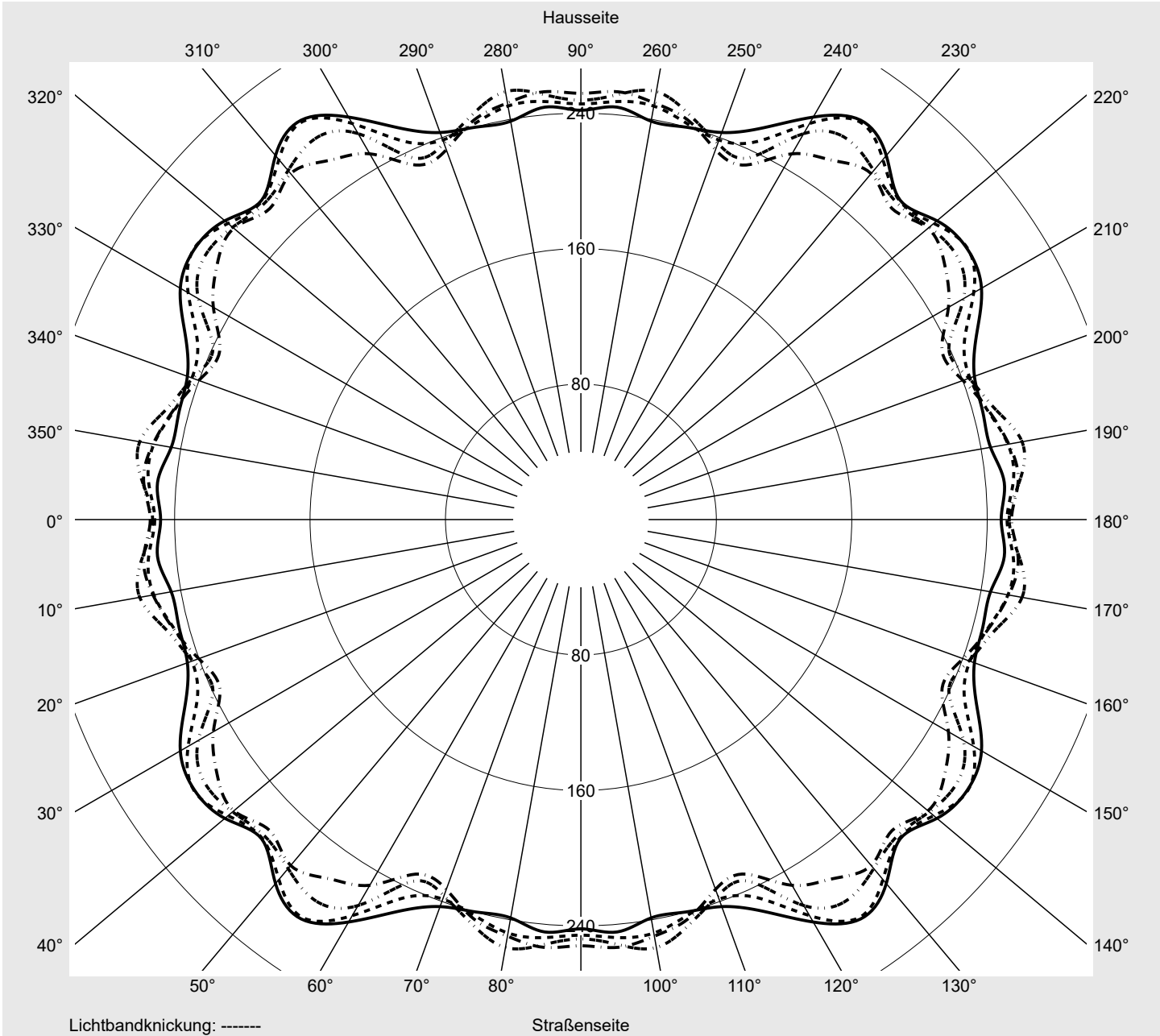
**Messbedingungen**

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

|                                     |   |                                    |
|-------------------------------------|---|------------------------------------|
| <b>Familie</b><br><b>DL® 30 LED</b> | <b>Bestell-Nr.: 5XA5132J1B08A5</b><br><b>EAN: 4058352059012</b> | <b>LP-Nummer</b><br><b>57205_7</b> |
|-------------------------------------|---|------------------------------------|

**Kegelmantelkurven in cd/klm**    **KMK 55°**    **KMK 52,5°**    **KMK 50°**    **KMK 47,5°**    **siteco**



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|  |   |                                    |
|--|---|------------------------------------|
| <b>Familie</b><br><b>DL® 30 LED</b>    | <b>Bestell-Nr.: 5XA5132J1B08A5</b><br><b>EAN: 4058352059012</b> | <b>LP-Nummer</b><br><b>57205_7</b> |
| <b>Wertetabelle Lichtstärkemessung</b> |   | <b>Maximale Lichtstärke</b>        |
|  |   | <b>siteco</b>                      |

| C-<br>Ebenen | 0°<br>180° | 5°                    | 10°                  | 15°                  | 20°                  | 25°                  | 30°                  | 35°                  | 40°                  | 45°                  |       |
|--------------|------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------|
|              |            | 175°<br>185°<br>355°  | 170°<br>190°<br>350° | 165°<br>195°<br>345° | 160°<br>200°<br>340° | 155°<br>205°<br>335° | 150°<br>210°<br>330° | 145°<br>215°<br>325° | 140°<br>220°<br>320° | 135°<br>225°<br>315° |       |
| γ            |            | Lichtstärke in cd/klm |                      |                      |                      |                      |                      |                      |                      |                      |       |
| 0,0°         | 194.0      | 194.0                 | 194.0                | 194.0                | 194.0                | 194.0                | 194.0                | 194.0                | 194.0                | 194.0                | 194.0 |
| 2,5°         | 193.2      | 194.0                 | 195.2                | 195.5                | 194.4                | 194.4                | 194.5                | 195.8                | 195.8                | 194.7                |       |
| 5,0°         | 196.7      | 197.4                 | 198.7                | 198.8                | 197.6                | 197.0                | 197.1                | 198.3                | 198.3                | 197.2                |       |
| 7,5°         | 204.6      | 205.0                 | 206.1                | 205.8                | 203.9                | 202.6                | 201.6                | 202.1                | 201.8                | 200.3                |       |
| 10,0°        | 213.0      | 213.7                 | 214.7                | 213.9                | 211.2                | 208.7                | 206.2                | 205.7                | 204.9                | 203.1                |       |
| 12,5°        | 214.4      | 214.8                 | 215.5                | 214.8                | 211.7                | 209.4                | 206.5                | 205.9                | 205.2                | 203.1                |       |
| 15,0°        | 207.6      | 208.0                 | 208.5                | 207.0                | 204.1                | 201.9                | 199.4                | 199.7                | 199.6                | 198.3                |       |
| 17,5°        | 206.7      | 206.4                 | 205.7                | 202.9                | 197.3                | 193.4                | 190.4                | 190.5                | 189.9                | 187.4                |       |
| 20,0°        | 202.8      | 203.1                 | 202.6                | 200.2                | 194.5                | 189.2                | 184.1                | 181.3                | 177.6                | 174.4                |       |
| 22,5°        | 200.7      | 199.8                 | 198.8                | 197.0                | 192.9                | 189.5                | 184.0                | 177.0                | 169.8                | 165.3                |       |
| 25,0°        | 197.4      | 195.6                 | 193.2                | 193.0                | 191.2                | 189.4                | 184.6                | 177.9                | 170.9                | 166.0                |       |
| 27,5°        | 196.3      | 195.5                 | 192.9                | 191.7                | 191.7                | 192.5                | 186.1                | 179.5                | 178.0                | 175.6                |       |
| 30,0°        | 206.7      | 205.5                 | 203.1                | 199.7                | 197.6                | 196.8                | 191.4                | 185.6                | 184.4                | 187.3                |       |
| 32,5°        | 210.3      | 207.5                 | 204.9                | 206.2                | 207.6                | 204.5                | 198.5                | 195.4                | 194.2                | 194.7                |       |
| 35,0°        | 219.3      | 218.0                 | 211.7                | 209.6                | 212.6                | 211.8                | 210.0                | 206.7                | 206.5                | 203.1                |       |
| 37,5°        | 233.4      | 231.9                 | 224.9                | 220.5                | 221.4                | 216.0                | 217.1                | 220.5                | 215.8                | 218.9                |       |
| 40,0°        | 239.0      | 235.6                 | 227.7                | 224.7                | 230.4                | 227.9                | 225.0                | 228.3                | 229.8                | 232.9                |       |
| 42,5°        | 246.0      | 243.2                 | 233.1                | 228.2                | 231.6                | 230.9                | 238.3                | 238.4                | 241.6                | 245.4                |       |
| 45,0°        | 251.5      | 253.0                 | 244.9                | 236.5                | 234.7                | 231.6                | 239.9                | 254.4                | 255.4                | 254.2                |       |
| 47,5°        | 254.4      | 259.3                 | 256.7                | 249.2                | 240.2                | 235.4                | 250.7                | 262.3                | 267.6                | 259.8                |       |
| 50,0°        | 253.0      | 260.1                 | 264.6                | 253.1                | 244.0                | 239.8                | 261.0                | 271.2                | 268.6                | 264.3                |       |
| 52,5°        | 251.7      | 256.4                 | 256.2                | 248.8                | 244.5                | 250.0                | 267.9                | 279.0                | 272.1                | 266.2                |       |
| 55,0°        | 248.3      | 251.0                 | 245.7                | 245.8                | 247.4                | 257.8                | 273.2                | 278.6                | 274.5                | 266.7                |       |
| 57,5°        | 235.8      | 239.9                 | 235.0                | 235.0                | 250.3                | 266.2                | 272.4                | 276.2                | 271.3                | 263.0                |       |
| 60,0°        | 203.7      | 207.7                 | 213.2                | 218.9                | 241.5                | 258.6                | 261.4                | 271.1                | 268.4                | 257.5                |       |
| 62,5°        | 160.7      | 168.0                 | 181.1                | 192.6                | 219.8                | 246.0                | 254.2                | 264.2                | 261.2                | 252.2                |       |
| 65,0°        | 123.0      | 132.0                 | 150.1                | 155.1                | 187.9                | 237.8                | 246.8                | 246.7                | 245.6                | 240.6                |       |
| 67,5°        | 106.7      | 116.0                 | 130.7                | 135.4                | 162.8                | 215.4                | 226.6                | 221.9                | 221.5                | 214.6                |       |
| 70,0°        | 104.7      | 109.4                 | 119.7                | 127.2                | 146.9                | 182.2                | 196.9                | 192.8                | 179.2                | 177.4                |       |
| 72,5°        | 54.5       | 74.3                  | 94.6                 | 104.6                | 123.1                | 146.1                | 166.9                | 148.0                | 126.5                | 123.4                |       |
| 75,0°        | 36.9       | 41.4                  | 52.0                 | 62.3                 | 74.0                 | 82.9                 | 103.7                | 95.0                 | 89.7                 | 83.0                 |       |
| 77,5°        | 18.6       | 20.4                  | 22.0                 | 25.2                 | 26.0                 | 29.1                 | 43.9                 | 56.1                 | 50.1                 | 47.8                 |       |
| 80,0°        | 11.8       | 11.6                  | 12.0                 | 12.5                 | 13.2                 | 14.1                 | 17.8                 | 24.6                 | 23.4                 | 22.7                 |       |
| 82,5°        | 8.4        | 8.5                   | 8.9                  | 9.5                  | 9.9                  | 10.6                 | 11.1                 | 12.4                 | 12.7                 | 12.8                 |       |
| 85,0°        | 6.1        | 6.0                   | 6.3                  | 6.8                  | 7.3                  | 7.7                  | 8.0                  | 8.2                  | 8.0                  | 8.2                  |       |
| 87,5°        | 4.1        | 4.2                   | 4.5                  | 4.9                  | 5.4                  | 5.9                  | 6.2                  | 6.3                  | 6.2                  | 6.3                  |       |
| 90,0°        | 0.0        | 0.0                   | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  |       |
| 105,0°       | 0.0        | 0.0                   | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  |       |
| 120,0°       | 0.0        | 0.0                   | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  |       |
| 135,0°       | 0.0        | 0.0                   | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  |       |
| 150,0°       | 0.0        | 0.0                   | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  |       |
| 165,0°       | 0.0        | 0.0                   | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  |       |
| 180,0°       | 0.0        | 0.0                   | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  |       |

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

| C-<br>Ebenen | 50°                   | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | Phi-Zone             | Summe<br>Phi-Zone |
|--------------|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|-------------------|
|              | 130°                  | 125°  | 120°  | 115°  | 110°  | 105°  | 100°  | 95°   |       |                      |                   |
|              | 230°                  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  |       |                      |                   |
|              | 310°                  | 305°  | 300°  | 295°  | 290°  | 285°  | 280°  | 275°  |       |                      |                   |
| γ            | Lichtstärke in cd/klm |       |       |       |       |       |       |       |       | Lichtstrom in lm/klm |                   |
| 0,0°         | 194.0                 | 194.0 | 194.0 | 194.0 | 194.0 | 194.0 | 194.0 | 194.0 | 194.0 | 0.3                  | 0.3               |
| 2,5°         | 193.3                 | 194.0 | 196.5 | 196.4 | 194.7 | 195.5 | 196.6 | 196.4 | 195.8 | 2.3                  | 2.6               |
| 5,0°         | 195.6                 | 196.7 | 199.2 | 199.2 | 197.6 | 198.9 | 200.1 | 199.9 | 199.6 | 4.7                  | 7.4               |
| 7,5°         | 198.8                 | 200.5 | 204.0 | 204.9 | 204.3 | 206.4 | 208.2 | 208.3 | 207.8 | 7.3                  | 14.7              |
| 10,0°        | 201.5                 | 204.5 | 208.7 | 210.8 | 211.4 | 214.0 | 216.2 | 216.6 | 216.1 | 10.0                 | 24.7              |
| 12,5°        | 201.3                 | 204.4 | 208.9 | 211.0 | 212.0 | 214.3 | 216.4 | 216.5 | 216.0 | 12.5                 | 37.1              |
| 15,0°        | 196.9                 | 199.7 | 202.6 | 204.2 | 205.6 | 208.4 | 211.1 | 212.0 | 211.8 | 14.5                 | 51.6              |
| 17,5°        | 186.2                 | 189.4 | 192.9 | 195.4 | 198.3 | 202.3 | 205.8 | 206.9 | 206.4 | 16.2                 | 67.9              |
| 20,0°        | 175.4                 | 181.3 | 186.1 | 189.9 | 196.0 | 201.6 | 204.8 | 205.3 | 204.2 | 18.0                 | 85.8              |
| 22,5°        | 169.1                 | 177.5 | 184.0 | 190.2 | 196.7 | 200.5 | 201.7 | 201.5 | 200.6 | 19.8                 | 105.6             |
| 25,0°        | 168.3                 | 178.2 | 185.4 | 190.4 | 194.2 | 193.8 | 193.8 | 196.2 | 196.7 | 21.6                 | 127.3             |
| 27,5°        | 175.9                 | 180.9 | 186.1 | 191.3 | 194.1 | 192.9 | 195.2 | 198.9 | 199.9 | 23.9                 | 151.1             |
| 30,0°        | 185.6                 | 183.7 | 189.3 | 197.4 | 200.3 | 201.0 | 205.4 | 208.5 | 207.1 | 26.9                 | 178.0             |
| 32,5°        | 194.8                 | 192.6 | 195.6 | 205.3 | 207.1 | 204.7 | 205.5 | 210.2 | 211.1 | 29.8                 | 207.8             |
| 35,0°        | 206.2                 | 206.4 | 203.5 | 208.7 | 209.6 | 208.1 | 211.8 | 220.9 | 222.6 | 33.1                 | 240.9             |
| 37,5°        | 217.0                 | 217.4 | 209.0 | 212.3 | 218.2 | 219.3 | 225.7 | 235.0 | 233.3 | 36.8                 | 277.7             |
| 40,0°        | 230.4                 | 224.3 | 221.2 | 222.4 | 225.2 | 222.9 | 227.6 | 238.0 | 239.8 | 40.3                 | 318.0             |
| 42,5°        | 239.8                 | 237.7 | 233.2 | 224.8 | 224.3 | 226.5 | 230.9 | 244.6 | 247.0 | 43.6                 | 361.6             |
| 45,0°        | 256.0                 | 250.1 | 235.5 | 226.8 | 226.2 | 233.4 | 239.8 | 251.8 | 251.6 | 47.1                 | 408.7             |
| 47,5°        | 266.7                 | 259.0 | 249.4 | 231.1 | 232.5 | 244.2 | 249.9 | 253.6 | 251.7 | 50.8                 | 459.5             |
| 50,0°        | 269.1                 | 274.3 | 263.2 | 235.9 | 236.5 | 247.6 | 256.7 | 252.0 | 247.7 | 53.8                 | 513.3             |
| 52,5°        | 277.5                 | 286.9 | 270.1 | 246.4 | 238.6 | 242.2 | 248.0 | 247.9 | 245.5 | 56.1                 | 569.5             |
| 55,0°        | 280.7                 | 288.0 | 274.5 | 255.3 | 243.3 | 239.9 | 238.9 | 244.5 | 241.7 | 58.0                 | 627.5             |
| 57,5°        | 276.7                 | 282.5 | 274.2 | 266.4 | 250.7 | 228.2 | 227.9 | 236.2 | 232.9 | 58.9                 | 686.4             |
| 60,0°        | 272.9                 | 274.6 | 262.7 | 262.9 | 241.2 | 215.8 | 210.3 | 202.8 | 199.0 | 57.3                 | 743.7             |
| 62,5°        | 268.9                 | 266.7 | 252.4 | 248.9 | 220.9 | 193.1 | 178.0 | 162.6 | 155.9 | 53.9                 | 797.6             |
| 65,0°        | 246.5                 | 250.8 | 247.6 | 237.4 | 185.5 | 157.8 | 147.1 | 128.6 | 118.2 | 49.2                 | 846.8             |
| 67,5°        | 223.9                 | 224.1 | 232.2 | 216.1 | 161.4 | 136.6 | 127.2 | 108.5 | 101.9 | 44.7                 | 891.5             |
| 70,0°        | 182.2                 | 193.8 | 198.5 | 178.9 | 142.2 | 124.3 | 114.5 | 98.0  | 91.5  | 39.5                 | 931.0             |
| 72,5°        | 135.6                 | 156.0 | 162.2 | 139.2 | 112.5 | 94.1  | 76.8  | 59.6  | 50.1  | 30.4                 | 961.5             |
| 75,0°        | 79.8                  | 91.9  | 97.4  | 75.9  | 67.8  | 52.5  | 45.6  | 33.8  | 29.7  | 18.6                 | 980.0             |
| 77,5°        | 40.8                  | 43.4  | 39.2  | 29.8  | 26.7  | 25.1  | 21.3  | 19.1  | 18.1  | 8.7                  | 988.7             |
| 80,0°        | 25.4                  | 25.7  | 19.5  | 16.3  | 15.5  | 14.7  | 13.8  | 13.3  | 13.1  | 4.6                  | 993.4             |
| 82,5°        | 12.3                  | 13.1  | 12.4  | 12.1  | 11.8  | 11.2  | 10.4  | 9.9   | 9.8   | 3.0                  | 996.4             |
| 85,0°        | 8.4                   | 8.8   | 9.1   | 8.9   | 8.5   | 7.9   | 7.3   | 6.9   | 6.8   | 2.1                  | 998.5             |
| 87,5°        | 6.5                   | 6.7   | 6.7   | 6.5   | 6.0   | 5.5   | 5.0   | 4.7   | 4.5   | 1.6                  | 1000.0            |
| 90,0°        | 0.0                   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0                  | 1000.0            |
| 105,0°       | 0.0                   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0                  | 1000.0            |
| 120,0°       | 0.0                   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0                  | 1000.0            |
| 135,0°       | 0.0                   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0                  | 1000.0            |
| 150,0°       | 0.0                   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0                  | 1000.0            |
| 165,0°       | 0.0                   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0                  | 1000.0            |
| 180,0°       | 0.0                   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0                  | 1000.0            |

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

|                           |                           |               |
|---------------------------|---------------------------|---------------|
| <b>Dimmstufen-Tabelle</b> | Umgebungstemperatur: 25°C | <b>siteco</b> |
|---------------------------|---------------------------|---------------|

| Lichtstrom [%] | Dimmstufe linear | Lichtstrom [lm] | Systemleistung [W] Lebensdauerbeginn | Systemleistung [W] Lebensdauerende | Systemleistung [W] Durchschnitt |
|----------------|------------------|-----------------|--------------------------------------|------------------------------------|---------------------------------|
| 100            | 254              | 5780            | 52.0                                 | 54.0                               | 53.0                            |
| 95             | 241              | 5484            | 48.6                                 | 50.6                               | 49.6                            |
| 90             | 229              | 5211            | 45.7                                 | 47.5                               | 46.6                            |
| 85             | 216              | 4915            | 42.7                                 | 44.4                               | 43.6                            |
| 80             | 203              | 4619            | 39.6                                 | 41.2                               | 40.4                            |
| 75             | 190              | 4324            | 36.7                                 | 38.1                               | 37.4                            |
| 70             | 178              | 4051            | 34.1                                 | 35.4                               | 34.8                            |
| 65             | 165              | 3755            | 31.3                                 | 32.5                               | 31.9                            |
| 60             | 152              | 3459            | 28.6                                 | 29.6                               | 29.1                            |
| 55             | 140              | 3186            | 26.2                                 | 27.1                               | 26.6                            |
| 50             | 127              | 2890            | 23.5                                 | 24.4                               | 24.0                            |
| 45             | 114              | 2594            | 21.0                                 | 21.7                               | 21.4                            |
| 40             | 102              | 2321            | 18.8                                 | 19.5                               | 19.2                            |
| 35             | 89               | 2025            | 16.4                                 | 16.9                               | 16.6                            |
| 30             | 76               | 1729            | 13.9                                 | 14.4                               | 14.2                            |
| 25             | 63               | 1434            | 11.6                                 | 12.0                               | 11.8                            |
| 20             | 51               | 1161            | 9.5                                  | 9.7                                | 9.6                             |
| 17             | 43               | 979             | 8.0                                  | 8.3                                | 8.2                             |