

Lichttechnischer Prüfbefund

Familie  
Powerbrik®



Bestell-Nr.: 51FC207A410AS  
EAN: 4069025125057

Ausführung

Bestückung

Betriebsgerät

Bemessungswerte

Abdeckung opal, PC

LED 4000 K | CRI ≥ 80

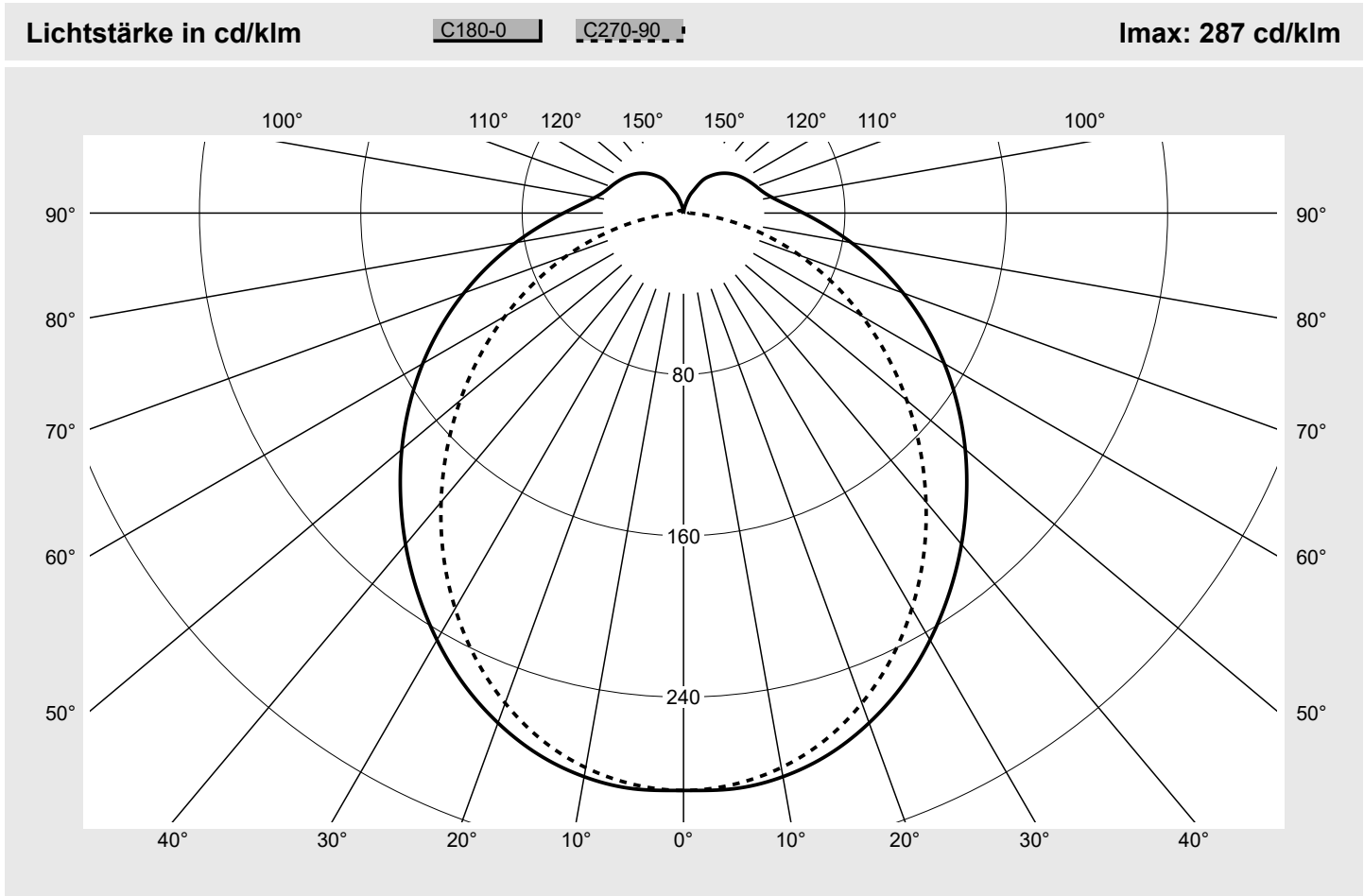
EVG

Nettolichtstrom = 900 lm  
Systemleistung = 6.5 W  
Lichtausbeute = 138.5 lm/W

LP-Nummer  
55804\_4

Seriendokumentation  
04.11.2024

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| Klassifizierungen |                   | Leuchtenbetriebswirkungsgrade |        |
|-------------------|-------------------|-------------------------------|--------|
| DIN 5040          | B 3 1             | $\eta_{LB}$                   | 100,0% |
| CIE               | N1=44 N2=73 N3=91 | $\phi_u$                      | 87,1%  |
|                   | N4=87 N5=100      | $\phi_o$                      | 12,9%  |

| Messbedingungen           |
|---------------------------|
| DIN EN 13032 und DIN 5032 |

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|                                 |                                                  |                      |
|---------------------------------|--------------------------------------------------|----------------------|
| Familie<br>Powerbrik®           | Bestell-Nr.: 51FC207A410AS<br>EAN: 4069025125057 | LP-Nummer<br>55804_4 |
| Wertetabelle Lichtstärkemessung |                                                  | Maximale Lichtstärke |

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| C-<br>Ebenen | 0°<br>180°            | 15°<br>165°<br>195°<br>345° | 30°<br>150°<br>210°<br>330° | 45°<br>135°<br>225°<br>315° | 60°<br>120°<br>240°<br>300° | 75°<br>105°<br>255°<br>285° | 90°<br>270° | Phi-Zone             | Summe<br>Phi-Zone |
|--------------|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|----------------------|-------------------|
| γ            | Lichtstärke in cd/klm |                             |                             |                             |                             |                             |             | Lichtstrom in lm/klm |                   |
| 0°           | 286.3                 | 286.3                       | 286.3                       | 286.3                       | 286.3                       | 286.3                       | 286.3       | 1.7                  | 1.7               |
| 5°           | 286.5                 | 286.4                       | 286.3                       | 286.0                       | 285.6                       | 285.0                       | 284.4       | 13.7                 | 15.4              |
| 10°          | 283.8                 | 283.6                       | 282.9                       | 282.0                       | 280.8                       | 279.8                       | 279.2       | 26.8                 | 42.2              |
| 15°          | 277.9                 | 277.5                       | 276.4                       | 274.9                       | 273.1                       | 271.5                       | 270.6       | 39.0                 | 81.1              |
| 20°          | 269.0                 | 268.7                       | 267.1                       | 264.9                       | 262.3                       | 260.0                       | 258.6       | 49.6                 | 130.7             |
| 25°          | 257.8                 | 257.2                       | 255.1                       | 252.3                       | 248.9                       | 245.7                       | 243.7       | 58.3                 | 189.0             |
| 30°          | 244.4                 | 243.6                       | 241.2                       | 237.5                       | 233.3                       | 229.1                       | 226.4       | 64.9                 | 253.9             |
| 35°          | 229.8                 | 228.8                       | 225.7                       | 221.2                       | 215.9                       | 210.7                       | 207.5       | 69.2                 | 323.1             |
| 40°          | 214.4                 | 213.0                       | 209.2                       | 203.8                       | 197.4                       | 191.1                       | 187.0       | 71.4                 | 394.5             |
| 45°          | 198.4                 | 196.7                       | 192.2                       | 185.5                       | 178.1                       | 170.7                       | 165.9       | 71.4                 | 465.9             |
| 50°          | 182.3                 | 180.3                       | 174.9                       | 167.2                       | 158.5                       | 150.0                       | 144.5       | 69.6                 | 535.5             |
| 55°          | 165.9                 | 163.7                       | 157.5                       | 148.7                       | 138.9                       | 129.4                       | 123.2       | 66.1                 | 601.5             |
| 60°          | 149.3                 | 146.8                       | 140.1                       | 130.4                       | 119.5                       | 109.0                       | 102.1       | 61.1                 | 662.6             |
| 65°          | 132.5                 | 130.0                       | 122.8                       | 112.3                       | 100.5                       | 88.9                        | 81.4        | 54.8                 | 717.3             |
| 70°          | 115.9                 | 113.2                       | 105.7                       | 94.5                        | 81.8                        | 69.3                        | 61.3        | 47.5                 | 764.8             |
| 75°          | 99.7                  | 97.0                        | 89.2                        | 77.5                        | 63.9                        | 50.5                        | 42.0        | 39.6                 | 804.4             |
| 80°          | 84.5                  | 81.8                        | 74.0                        | 61.9                        | 47.6                        | 33.2                        | 24.2        | 31.8                 | 836.2             |
| 85°          | 70.9                  | 68.4                        | 60.9                        | 49.0                        | 34.4                        | 19.3                        | 9.8         | 24.8                 | 861.0             |
| 90°          | 59.5                  | 57.3                        | 50.4                        | 39.5                        | 26.0                        | 12.0                        | 3.1         | 19.8                 | 880.8             |
| 95°          | 50.7                  | 48.8                        | 43.0                        | 33.5                        | 22.0                        | 10.5                        | 3.0         | 16.8                 | 897.6             |
| 100°         | 44.6                  | 43.1                        | 38.3                        | 30.4                        | 20.8                        | 10.2                        | 2.9         | 15.0                 | 912.5             |
| 105°         | 40.7                  | 39.5                        | 35.6                        | 28.9                        | 20.1                        | 9.8                         | 2.8         | 13.7                 | 926.3             |
| 110°         | 38.4                  | 37.3                        | 33.8                        | 27.7                        | 19.2                        | 9.3                         | 2.6         | 12.7                 | 939.0             |
| 115°         | 36.4                  | 35.4                        | 32.2                        | 26.4                        | 18.3                        | 8.7                         | 2.5         | 11.6                 | 950.6             |
| 120°         | 34.5                  | 33.6                        | 30.6                        | 25.0                        | 17.2                        | 7.6                         | 2.4         | 10.5                 | 961.1             |
| 125°         | 32.6                  | 31.6                        | 28.7                        | 23.4                        | 16.0                        | 6.6                         | 2.1         | 9.3                  | 970.3             |
| 130°         | 30.4                  | 29.5                        | 26.7                        | 21.6                        | 14.5                        | 5.5                         | 2.0         | 8.0                  | 978.3             |
| 135°         | 28.0                  | 27.1                        | 24.3                        | 19.6                        | 12.0                        | 4.3                         | 1.7         | 6.6                  | 984.9             |
| 140°         | 25.2                  | 24.4                        | 21.7                        | 17.3                        | 9.8                         | 3.6                         | 1.5         | 5.3                  | 990.2             |
| 145°         | 22.2                  | 21.4                        | 18.8                        | 13.5                        | 8.1                         | 2.9                         | 1.2         | 4.0                  | 994.2             |
| 150°         | 18.6                  | 17.7                        | 14.4                        | 10.5                        | 5.6                         | 2.2                         | 0.9         | 2.7                  | 996.9             |
| 155°         | 13.2                  | 12.5                        | 10.7                        | 7.8                         | 3.7                         | 1.3                         | 0.5         | 1.7                  | 998.6             |
| 160°         | 9.7                   | 9.2                         | 7.4                         | 4.7                         | 2.4                         | 0.5                         | 0.1         | 0.9                  | 999.5             |
| 165°         | 5.4                   | 5.0                         | 4.1                         | 2.7                         | 1.3                         | 0.1                         | 0.0         | 0.4                  | 999.9             |
| 170°         | 2.5                   | 2.2                         | 1.6                         | 0.9                         | 0.3                         | 0.1                         | 0.1         | 0.1                  | 1000.0            |
| 175°         | 0.3                   | 0.3                         | 0.2                         | 0.2                         | 0.2                         | 0.2                         | 0.2         | 0.0                  | 1000.0            |
| 180°         | 0.0                   | 0.0                         | 0.0                         | 0.0                         | 0.0                         | 0.0                         | 0.0         | 0.0                  | 1000.0            |

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|                       |     |                                     |                                                  |      |      |      |                                       |      |                      |      |      |
|-----------------------|-----|-------------------------------------|--------------------------------------------------|------|------|------|---------------------------------------|------|----------------------|------|------|
| Familie<br>Powerbrik® |     |                                     | Bestell-Nr.: 51FC207A410AS<br>EAN: 4069025125057 |      |      |      |                                       |      | LP-Nummer<br>55804_4 |      |      |
| UGR-Tabelle           |     |                                     | Standardraum                                     |      |      |      |                                       |      | siteco               |      |      |
| Reflexionsgrad Decke  |     | 0,7                                 | 0,7                                              | 0,5  | 0,5  | 0,3  | 0,7                                   | 0,7  | 0,5                  | 0,5  | 0,3  |
| Reflexionsgrad Wände  |     | 0,5                                 | 0,3                                              | 0,5  | 0,3  | 0,3  | 0,5                                   | 0,3  | 0,5                  | 0,3  | 0,3  |
| Reflexionsgrad Boden  |     | 0,2                                 | 0,2                                              | 0,2  | 0,2  | 0,2  | 0,2                                   | 0,2  | 0,2                  | 0,2  | 0,2  |
| Raumabmessungen       |     | Blickrichtung quer zur Leuchte (C0) |                                                  |      |      |      | Blickrichtung längs zur Leuchte (C90) |      |                      |      |      |
| x                     | y   |                                     |                                                  |      |      |      |                                       |      |                      |      |      |
| 2H                    | 2H  | 20,8                                | 22,3                                             | 21,2 | 22,8 | 23,3 | 20,2                                  | 21,8 | 20,7                 | 22,3 | 22,8 |
|                       | 3H  | 22,6                                | 24,0                                             | 23,1 | 24,5 | 25,0 | 21,7                                  | 23,1 | 22,1                 | 23,6 | 24,1 |
|                       | 4H  | 23,4                                | 24,7                                             | 23,9 | 25,3 | 25,8 | 22,1                                  | 23,5 | 22,6                 | 24,0 | 24,5 |
|                       | 6H  | 24,2                                | 25,4                                             | 24,7 | 25,9 | 26,5 | 22,4                                  | 23,7 | 23,0                 | 24,2 | 24,8 |
|                       | 8H  | 24,6                                | 25,7                                             | 25,2 | 26,3 | 26,9 | 22,5                                  | 23,7 | 23,1                 | 24,2 | 24,8 |
|                       | 12H | 24,9                                | 26,0                                             | 25,5 | 26,6 | 27,2 | 22,6                                  | 23,7 | 23,1                 | 24,2 | 24,9 |
| 4H                    | 2H  | 21,4                                | 22,7                                             | 21,9 | 23,2 | 23,8 | 20,9                                  | 22,3 | 21,5                 | 22,8 | 23,3 |
|                       | 3H  | 23,4                                | 24,5                                             | 23,9 | 25,1 | 25,7 | 22,5                                  | 23,7 | 23,1                 | 24,2 | 24,8 |
|                       | 4H  | 24,4                                | 25,4                                             | 25,0 | 26,0 | 26,6 | 23,2                                  | 24,2 | 23,7                 | 24,8 | 25,4 |
|                       | 6H  | 25,3                                | 26,2                                             | 25,9 | 26,8 | 27,5 | 23,6                                  | 24,5 | 24,2                 | 25,1 | 25,8 |
|                       | 8H  | 25,8                                | 26,6                                             | 26,4 | 27,3 | 27,9 | 23,8                                  | 24,6 | 24,4                 | 25,2 | 25,9 |
|                       | 12H | 26,2                                | 27,0                                             | 26,9 | 27,6 | 28,3 | 23,8                                  | 24,6 | 24,4                 | 25,2 | 25,9 |
| 8H                    | 4H  | 24,7                                | 25,5                                             | 25,3 | 26,1 | 26,8 | 23,6                                  | 24,4 | 24,2                 | 25,0 | 25,7 |
|                       | 6H  | 25,9                                | 26,6                                             | 26,5 | 27,2 | 27,9 | 24,2                                  | 24,9 | 24,9                 | 25,6 | 26,3 |
|                       | 8H  | 26,4                                | 27,1                                             | 27,1 | 27,7 | 28,4 | 24,5                                  | 25,1 | 25,1                 | 25,7 | 26,5 |
|                       | 12H | 27,0                                | 27,5                                             | 27,7 | 28,2 | 29,0 | 24,6                                  | 25,1 | 25,2                 | 25,8 | 26,6 |
| 12H                   | 4H  | 24,7                                | 25,4                                             | 25,3 | 26,0 | 26,8 | 23,6                                  | 24,4 | 24,3                 | 25,0 | 25,7 |
|                       | 6H  | 25,9                                | 26,5                                             | 26,5 | 27,1 | 27,9 | 24,4                                  | 25,0 | 25,0                 | 25,6 | 26,4 |
|                       | 8H  | 26,5                                | 27,1                                             | 27,2 | 27,7 | 28,5 | 24,7                                  | 25,2 | 25,3                 | 25,9 | 26,6 |

|                       |          |                                 |                             |                                       |                             |                             |                             |                              |
|-----------------------|----------|---------------------------------|-----------------------------|---------------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|
| Leuchtdichten-Tabelle |          | Max. für $\gamma \geq 65^\circ$ |                             | Lichttechnische<br>Abmessungen in mm: |                             | L = 349<br>B = 35           | H(C0) = 17<br>H(C90) = 14   | H(C180) = 17<br>H(C270) = 14 |
| C-<br>Ebenen          | $\gamma$ | 0°<br>180°                      | 15°<br>165°<br>195°<br>345° | 30°<br>150°<br>210°<br>330°           | 45°<br>135°<br>225°<br>315° | 60°<br>120°<br>240°<br>300° | 75°<br>105°<br>255°<br>285° | 90°<br>270°                  |
|                       |          |                                 | Leuchtdichte in cd/m²       |                                       |                             |                             |                             |                              |
| 45°                   |          | 13915.6                         | 13856.3                     | 13899.8                               | 14093.2                     | 14521.7                     | 15277.6                     | 16623.3                      |
| 50°                   |          | 13237.0                         | 13152.6                     | 13146.4                               | 13284.2                     | 13655.5                     | 14377.4                     | 15809.7                      |
| 55°                   |          | 12580.8                         | 12479.9                     | 12418.5                               | 12479.6                     | 12776.0                     | 13463.6                     | 14963.9                      |
| 60°                   |          | 11949.4                         | 11820.1                     | 11711.6                               | 11690.1                     | 11894.3                     | 12500.5                     | 14074.7                      |
| 65°                   |          | 11315.8                         | 11172.2                     | 11006.5                               | 10895.0                     | 10978.2                     | 11455.5                     | 13075.0                      |
| 70°                   |          | 10691.9                         | 10525.1                     | 10297.1                               | 10074.7                     | 9998.2                      | 10288.7                     | 11900.7                      |
| 75°                   |          | 10094.4                         | 9900.1                      | 9600.4                                | 9237.1                      | 8933.3                      | 8906.0                      | 10394.6                      |
| 80°                   |          | 9549.6                          | 9335.8                      | 8974.9                                | 8451.1                      | 7840.4                      | 7291.4                      | 8368.9                       |
| 85°                   |          | 9143.7                          | 8920.5                      | 8526.1                                | 7887.5                      | 6966.1                      | 5677.4                      | 5699.4                       |

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**55804\_4**

**Leuchtdichten in cd/m²**

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

sit

eco

