

Lichttechnischer Prüfbefund

Familie
Floodlight FL21 midi

Bestell-Nr.: 5XA7782F4D3A
EAN: 4058352854747

LP-Nummer
59303_152



| | |
|------------------------|--|
| Ausführung | Mastbügel |
| Optik | direkt, asymmetrisch breit strahlend A520003 |
| Abdeckung | Einscheibensicherheitsglas (ESG) |
| Bestückung | LED 4000 K CRI ≥ 70 |
| Betriebsgerät | EVG SITECO iQ |
| Bemessungswerte | Nettolichtstrom = 37330 lm Systemleistung = 270.2 W Lichtausbeute = 138.2 lm/W |

Seriendokumentation
22.08.2023

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Lichtstärke in cd/klm

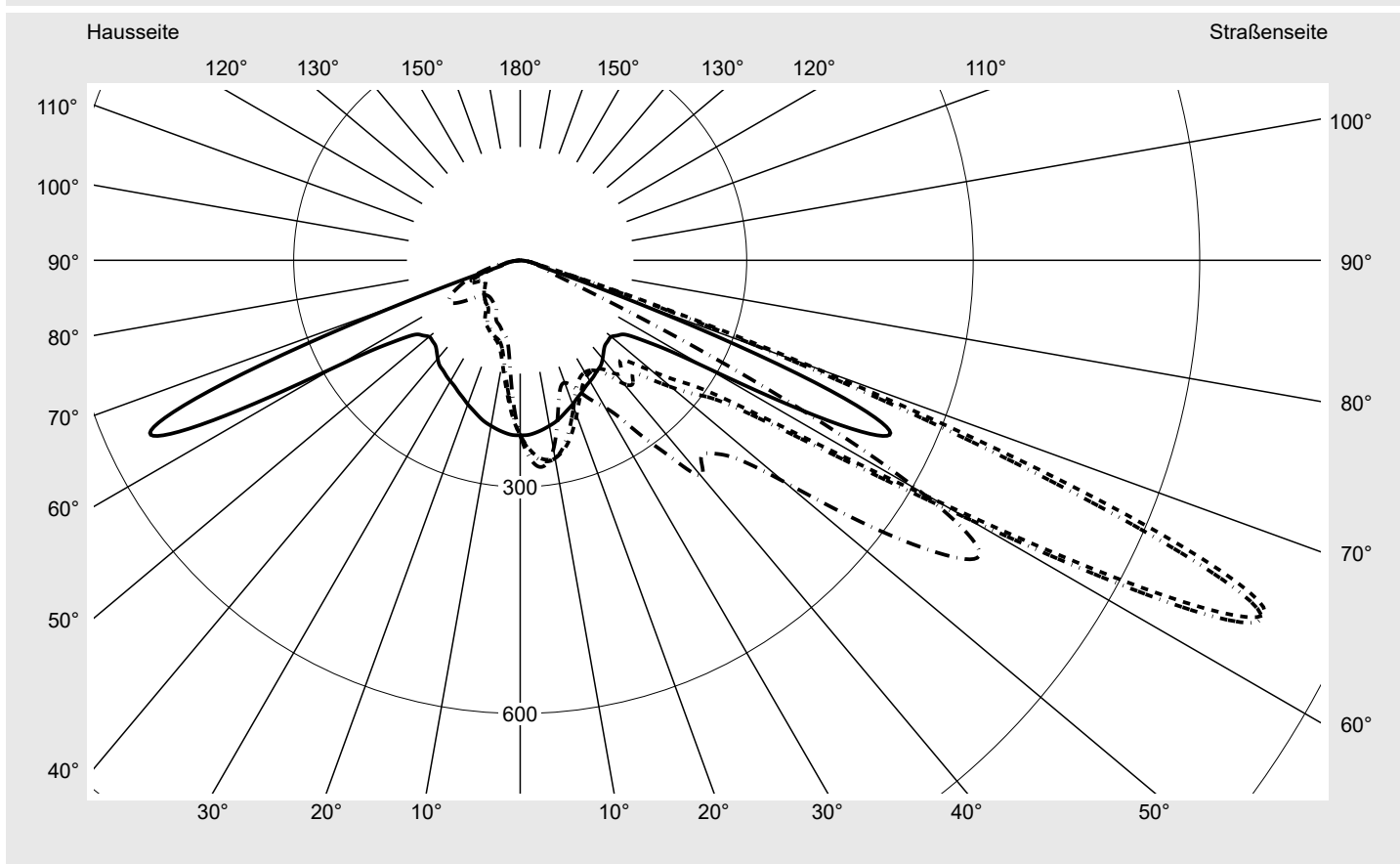
C180-0

C215-35

C220-40

C270-90

Imax: 1086 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

| | |
|-----------|-------|
| Klasse: | G4 |
| Imax 70° | 458.7 |
| Imax 80° | 34.3 |
| Imax 90° | 0.0 |
| Imax >90° | 0.0 |
| Imax >95° | 0.0 |

Messbedingungen

DIN EN 13032 und DIN 5032

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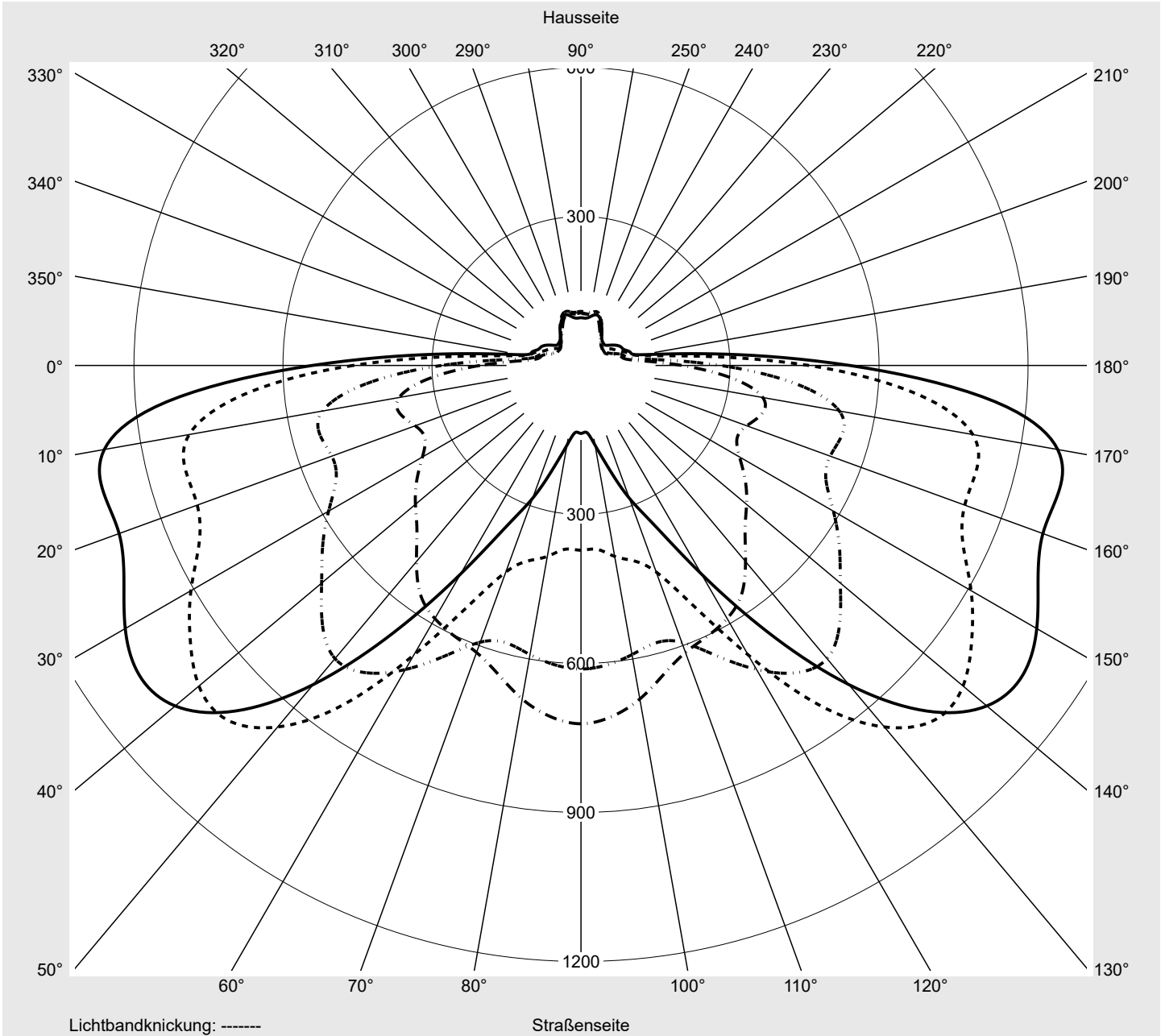
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Kegelmantelkurven in cd/klm KMK 65° KMK 62,5° KMK 60° KMK 57,5°

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

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|--|-----------------------------|---------------|
| Wertetabelle Lichtstärkemessung | Maximale Lichtstärke | siteco |
|--|-----------------------------|---------------|

| C- Ebenen | 0° 180° | 5° 175° | 10° 170° | 15° 165° | 20° 160° | 25° 155° | 30° 150° | 35° 145° | 40° 140° | 45° 135° | 50° 130° | 55° 125° | 60° 120° |
|--------------|-----------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| γ | Lichtstärke in cd/klm | | | | | | | | | | | | |
| 0,0° | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 |
| 2,5° | 231.5 | 234.5 | 237.2 | 239.9 | 242.1 | 244.3 | 246.4 | 248.4 | 250.2 | 251.6 | 253.1 | 254.6 | 255.7 |
| 5,0° | 229.3 | 235.1 | 240.5 | 245.6 | 250.0 | 254.0 | 257.5 | 260.7 | 263.3 | 265.4 | 267.6 | 269.2 | 270.7 |
| 7,5° | 226.2 | 234.9 | 242.4 | 249.0 | 254.6 | 259.4 | 263.2 | 266.3 | 268.6 | 269.8 | 270.8 | 271.5 | 271.7 |
| 10,0° | 222.5 | 233.4 | 242.9 | 250.6 | 256.6 | 261.1 | 264.1 | 265.7 | 266.1 | 265.2 | 263.9 | 262.0 | 260.3 |
| 12,5° | 218.7 | 231.6 | 242.6 | 250.5 | 256.0 | 259.4 | 260.3 | 259.1 | 256.5 | 252.4 | 247.8 | 242.9 | 238.0 |
| 15,0° | 213.5 | 228.4 | 239.9 | 248.4 | 253.1 | 254.4 | 252.5 | 248.3 | 241.3 | 234.5 | 226.7 | 219.1 | 212.6 |
| 17,5° | 207.9 | 224.8 | 237.0 | 245.2 | 248.3 | 246.8 | 241.7 | 233.7 | 224.0 | 213.8 | 204.3 | 195.8 | 189.0 |
| 20,0° | 202.9 | 220.7 | 233.9 | 241.3 | 242.3 | 238.0 | 229.5 | 218.3 | 206.6 | 195.3 | 186.0 | 179.3 | 174.9 |
| 22,5° | 197.4 | 217.4 | 230.8 | 237.1 | 235.8 | 228.3 | 216.6 | 203.4 | 190.7 | 180.7 | 174.3 | 171.2 | 170.7 |
| 25,0° | 192.8 | 214.0 | 228.1 | 233.3 | 229.6 | 219.3 | 205.3 | 191.3 | 180.0 | 173.2 | 171.0 | 172.6 | 176.3 |
| 27,5° | 188.1 | 211.9 | 226.4 | 230.2 | 223.9 | 211.1 | 195.6 | 181.8 | 173.4 | 171.3 | 174.7 | 181.5 | 189.2 |
| 30,0° | 184.9 | 210.9 | 226.6 | 229.5 | 221.1 | 205.8 | 189.7 | 176.8 | 171.2 | 173.6 | 182.3 | 194.2 | 204.9 |
| 32,5° | 181.7 | 210.8 | 227.6 | 229.3 | 218.6 | 201.5 | 185.7 | 174.8 | 172.7 | 179.7 | 193.4 | 209.7 | 223.3 |
| 35,0° | 178.1 | 210.0 | 229.4 | 230.0 | 217.8 | 199.9 | 183.9 | 176.0 | 178.9 | 191.2 | 209.9 | 231.0 | 249.7 |
| 37,5° | 175.4 | 210.6 | 231.6 | 232.2 | 219.4 | 200.9 | 186.3 | 182.3 | 191.3 | 210.3 | 235.9 | 263.9 | 289.1 |
| 40,0° | 169.8 | 208.7 | 231.0 | 233.7 | 222.0 | 205.0 | 193.8 | 196.0 | 213.1 | 238.5 | 269.3 | 300.8 | 327.7 |
| 42,5° | 163.7 | 204.8 | 228.0 | 230.0 | 216.3 | 199.0 | 190.4 | 198.6 | 220.8 | 245.1 | 271.5 | 296.4 | 317.0 |
| 45,0° | 159.0 | 202.1 | 226.7 | 225.9 | 206.9 | 185.9 | 177.4 | 187.6 | 211.9 | 240.6 | 269.2 | 293.9 | 312.6 |
| 47,5° | 157.8 | 206.0 | 234.1 | 231.9 | 210.9 | 189.3 | 184.8 | 201.3 | 231.8 | 263.5 | 288.6 | 307.1 | 321.7 |
| 50,0° | 157.4 | 214.1 | 248.3 | 247.0 | 225.5 | 204.9 | 205.6 | 228.7 | 261.1 | 290.4 | 309.0 | 319.1 | 329.1 |
| 52,5° | 163.2 | 228.6 | 268.5 | 268.3 | 246.7 | 228.5 | 234.7 | 261.3 | 291.0 | 312.6 | 324.0 | 330.0 | 348.1 |
| 55,0° | 172.1 | 259.8 | 301.9 | 304.0 | 280.4 | 263.2 | 273.7 | 300.9 | 326.9 | 344.5 | 360.1 | 388.8 | 439.1 |
| 57,5° | 203.4 | 308.5 | 371.7 | 376.8 | 355.2 | 346.7 | 368.6 | 403.7 | 435.1 | 467.2 | 515.3 | 563.4 | 588.4 |
| 60,0° | 281.0 | 437.6 | 528.1 | 543.6 | 533.8 | 544.1 | 586.8 | 635.0 | 681.7 | 736.4 | 770.6 | 755.2 | 706.8 |
| 62,5° | 459.0 | 683.9 | 801.0 | 823.5 | 822.2 | 848.4 | 906.9 | 960.5 | 1004.1 | 1008.6 | 950.1 | 833.7 | 672.9 |
| 65,0° | 541.0 | 836.7 | 974.5 | 994.6 | 989.6 | 1015.3 | 1059.5 | 1086.1 | 1066.5 | 983.9 | 838.7 | 655.4 | 484.9 |
| 67,5° | 421.8 | 721.2 | 884.2 | 915.6 | 892.2 | 875.4 | 867.2 | 831.1 | 750.0 | 630.8 | 494.5 | 376.5 | 281.8 |
| 70,0° | 164.2 | 284.0 | 373.6 | 428.7 | 458.7 | 451.5 | 438.1 | 405.6 | 349.3 | 286.2 | 234.6 | 187.8 | 147.2 |
| 72,5° | 37.8 | 50.0 | 56.7 | 67.7 | 100.8 | 124.5 | 127.5 | 125.3 | 110.6 | 85.4 | 86.9 | 78.5 | 67.8 |
| 75,0° | 25.6 | 27.1 | 28.6 | 29.9 | 32.4 | 37.7 | 39.6 | 40.4 | 33.6 | 32.0 | 36.5 | 35.9 | 34.7 |
| 77,5° | 18.9 | 19.4 | 20.1 | 20.7 | 21.4 | 22.5 | 22.9 | 23.3 | 22.7 | 23.1 | 24.1 | 24.2 | 25.6 |
| 80,0° | 14.3 | 13.2 | 13.3 | 13.7 | 14.1 | 15.1 | 15.0 | 15.1 | 15.1 | 15.6 | 15.8 | 15.8 | 19.3 |
| 82,5° | 8.4 | 7.6 | 7.8 | 8.1 | 8.3 | 9.0 | 9.0 | 8.9 | 9.1 | 9.3 | 9.4 | 9.2 | 10.5 |
| 85,0° | 4.1 | 3.5 | 3.5 | 3.7 | 3.9 | 4.1 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 |
| 87,5° | 1.3 | 1.3 | 1.2 | 1.2 | 1.2 | 1.2 | 1.3 | 1.3 | 1.2 | 1.2 | 1.1 | 1.1 | 1.1 |
| 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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| Wertetabelle Lichtstärkemessung | | Maximale Lichtstärke | | | | | | | | | | | |
|---------------------------------|-----------------------|----------------------|-------------|-------------|------------|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| C- Ebenen | 65° 115° | 70° 110° | 75° 105° | 80° 100° | 85° 95° | 90° | 185° 355° | 190° 350° | 195° 345° | 200° 340° | 205° 335° | 210° 330° | 215° 325° |
| γ | Lichtstärke in cd/klm | | | | | | | | | | | | |
| 0,0° | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 | 231.6 |
| 2,5° | 256.6 | 257.5 | 258.2 | 258.8 | 259.1 | 259.4 | 228.6 | 225.4 | 222.3 | 219.2 | 216.1 | 213.0 | 210.1 |
| 5,0° | 271.7 | 272.4 | 273.1 | 273.6 | 273.9 | 274.0 | 223.0 | 216.4 | 209.6 | 202.9 | 196.2 | 189.6 | 183.4 |
| 7,5° | 271.7 | 271.4 | 271.2 | 271.2 | 271.4 | 271.4 | 217.0 | 207.0 | 196.7 | 186.4 | 176.4 | 166.9 | 158.0 |
| 10,0° | 257.9 | 256.3 | 254.9 | 254.1 | 254.0 | 253.8 | 210.4 | 197.3 | 183.8 | 170.7 | 158.0 | 146.5 | 136.7 |
| 12,5° | 233.8 | 230.0 | 227.5 | 225.9 | 225.2 | 224.9 | 203.7 | 187.7 | 171.5 | 156.1 | 142.2 | 130.7 | 121.9 |
| 15,0° | 206.9 | 202.4 | 199.3 | 197.4 | 196.4 | 196.3 | 196.1 | 177.5 | 159.4 | 143.0 | 129.7 | 120.2 | 113.7 |
| 17,5° | 184.0 | 180.4 | 178.5 | 177.4 | 177.1 | 177.2 | 188.5 | 167.5 | 147.8 | 131.8 | 120.4 | 113.4 | 109.4 |
| 20,0° | 172.4 | 171.1 | 171.0 | 171.5 | 172.1 | 172.5 | 180.7 | 157.7 | 137.5 | 122.6 | 113.6 | 109.0 | 106.6 |
| 22,5° | 171.7 | 173.3 | 175.3 | 177.6 | 179.5 | 180.3 | 173.5 | 148.7 | 128.5 | 115.4 | 108.6 | 105.6 | 103.3 |
| 25,0° | 180.4 | 184.0 | 187.5 | 191.1 | 194.0 | 195.2 | 166.1 | 140.4 | 120.9 | 110.1 | 105.1 | 102.4 | 99.8 |
| 27,5° | 194.9 | 198.1 | 201.4 | 206.2 | 209.6 | 210.4 | 159.8 | 133.1 | 114.9 | 105.9 | 102.2 | 99.3 | 96.7 |
| 30,0° | 211.0 | 213.4 | 216.8 | 223.3 | 225.7 | 225.2 | 153.2 | 125.9 | 109.4 | 102.4 | 99.3 | 96.6 | 93.0 |
| 32,5° | 230.7 | 234.4 | 240.4 | 248.9 | 249.2 | 248.6 | 147.8 | 119.8 | 104.8 | 99.1 | 96.4 | 93.6 | 86.1 |
| 35,0° | 260.3 | 266.9 | 278.0 | 288.2 | 286.9 | 287.5 | 141.1 | 113.3 | 99.9 | 95.7 | 92.6 | 86.8 | 78.5 |
| 37,5° | 303.6 | 312.8 | 322.9 | 327.5 | 328.1 | 329.6 | 135.0 | 107.3 | 95.8 | 92.5 | 86.3 | 78.6 | 74.0 |
| 40,0° | 343.2 | 350.8 | 360.0 | 365.5 | 369.3 | 372.3 | 127.7 | 101.3 | 91.9 | 89.1 | 78.2 | 72.6 | 71.6 |
| 42,5° | 329.7 | 335.0 | 342.0 | 348.1 | 352.2 | 354.4 | 120.9 | 96.0 | 88.5 | 85.4 | 72.4 | 69.5 | 69.2 |
| 45,0° | 325.0 | 331.5 | 341.4 | 352.4 | 358.7 | 361.7 | 113.7 | 91.1 | 85.4 | 81.8 | 68.4 | 66.7 | 66.9 |
| 47,5° | 334.5 | 343.3 | 356.2 | 373.7 | 383.7 | 388.7 | 109.8 | 87.7 | 82.9 | 78.3 | 65.3 | 64.2 | 64.3 |
| 50,0° | 344.2 | 365.5 | 393.0 | 427.0 | 447.6 | 455.9 | 106.1 | 84.9 | 80.8 | 74.6 | 62.0 | 61.6 | 61.6 |
| 52,5° | 386.7 | 435.0 | 483.5 | 531.2 | 558.8 | 569.1 | 104.9 | 83.4 | 79.4 | 71.3 | 59.2 | 58.9 | 58.9 |
| 55,0° | 491.9 | 536.5 | 582.5 | 630.2 | 661.6 | 674.9 | 106.0 | 83.1 | 78.7 | 67.9 | 56.9 | 56.2 | 56.5 |
| 57,5° | 601.7 | 615.0 | 643.8 | 682.0 | 709.6 | 721.4 | 114.8 | 85.9 | 79.7 | 66.3 | 55.7 | 54.1 | 54.2 |
| 60,0° | 644.7 | 592.9 | 578.6 | 591.2 | 605.1 | 611.2 | 140.6 | 94.7 | 85.1 | 70.0 | 59.8 | 55.6 | 53.5 |
| 62,5° | 532.1 | 442.6 | 407.1 | 390.4 | 371.5 | 372.0 | 218.5 | 116.7 | 98.1 | 83.3 | 74.8 | 67.3 | 59.4 |
| 65,0° | 359.7 | 284.4 | 213.4 | 163.1 | 135.7 | 136.8 | 267.6 | 124.6 | 102.7 | 92.8 | 88.5 | 81.4 | 71.2 |
| 67,5° | 212.7 | 163.6 | 70.8 | 55.1 | 51.3 | 50.3 | 137.5 | 86.1 | 80.6 | 78.6 | 79.5 | 76.7 | 70.5 |
| 70,0° | 116.8 | 92.0 | 45.7 | 40.5 | 39.5 | 39.3 | 53.1 | 45.7 | 45.1 | 46.7 | 49.3 | 52.7 | 53.8 |
| 72,5° | 57.5 | 49.2 | 35.9 | 34.4 | 34.4 | 35.0 | 34.1 | 33.0 | 31.8 | 31.7 | 32.8 | 35.6 | 37.7 |
| 75,0° | 32.7 | 31.8 | 30.6 | 28.9 | 27.7 | 28.0 | 27.3 | 26.2 | 25.0 | 25.1 | 26.1 | 27.7 | 29.9 |
| 77,5° | 32.1 | 32.2 | 25.5 | 20.8 | 19.4 | 19.6 | 20.3 | 19.4 | 18.9 | 19.4 | 20.1 | 21.7 | 22.9 |
| 80,0° | 34.3 | 31.4 | 17.5 | 13.9 | 12.8 | 12.7 | 15.0 | 13.6 | 13.2 | 13.8 | 14.5 | 15.5 | 16.1 |
| 82,5° | 16.1 | 15.6 | 10.1 | 8.2 | 7.5 | 7.1 | 8.4 | 7.8 | 8.2 | 8.7 | 9.2 | 9.6 | 9.8 |
| 85,0° | 5.2 | 5.1 | 4.4 | 3.6 | 3.2 | 2.9 | 3.6 | 3.8 | 4.0 | 4.3 | 4.5 | 4.6 | 4.7 |
| 87,5° | 1.1 | 1.1 | 1.0 | 1.0 | 0.9 | 0.9 | 1.3 | 1.4 | 1.5 | 1.6 | 1.6 | 1.7 | 1.7 |
| 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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| Familie Floodlight FL21 midi | Bestell-Nr.: 5XA7782F4D3A EAN: 4058352854747 | LP-Nummer 59303_152 |
| Dimmstufen-Tabelle | | Umgebungstemperatur: 25°C |
| siteco | | |

| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] Lebensdauerbeginn | Systemleistung [W] Lebensdauerende | Systemleistung [W] Durchschnitt |
|----------------|------------------|-------------------------|-----------------|--------------------------------------|------------------------------------|---------------------------------|
| 100 | 254 | 254 | 37330 | 270.2 | 286.6 | 278.4 |
| 95 | 241 | 252 | 35419 | 251.7 | 266.8 | 259.2 |
| 90 | 229 | 250 | 33656 | 235.4 | 249.4 | 242.4 |
| 85 | 216 | 248 | 31745 | 218.4 | 231.3 | 224.8 |
| 80 | 203 | 246 | 29835 | 202.1 | 214.0 | 208.0 |
| 75 | 190 | 243 | 27924 | 186.5 | 197.3 | 191.9 |
| 70 | 178 | 241 | 26160 | 172.6 | 182.5 | 177.6 |
| 65 | 165 | 238 | 24250 | 158.0 | 167.0 | 162.5 |
| 60 | 152 | 235 | 22339 | 143.8 | 152.0 | 147.9 |
| 55 | 140 | 232 | 20576 | 131.2 | 138.6 | 134.9 |
| 50 | 127 | 229 | 18665 | 117.7 | 124.4 | 121.0 |
| 45 | 114 | 225 | 16754 | 104.5 | 110.6 | 107.6 |
| 40 | 102 | 221 | 14991 | 92.7 | 97.9 | 95.3 |
| 35 | 89 | 216 | 13080 | 80.2 | 84.6 | 82.4 |
| 30 | 76 | 210 | 11170 | 68.1 | 71.8 | 69.9 |
| 25 | 63 | 203 | 9259 | 56.4 | 59.4 | 57.9 |
| 20 | 51 | 195 | 7495 | 45.9 | 48.3 | 47.1 |
| 15 | 38 | 184 | 5585 | 34.9 | 36.6 | 35.8 |
| 12 | 31 | 177 | 4556 | 29.0 | 30.4 | 29.7 |