

Photometric test report

Family
Floodlight 20 midi LED

Order number: 5XA7682D3B1AC
EAN: 4058352222850

LP number
58579_5



| | |
|---------------------|---|
| Version | mounting bracket |
| Optic | symmetric distribution RS17 |
| Cover | toughened safety glass |
| Lamps | 1 x LED 5000K / CRI ≥ 70 (unbekannt LED 5000K / CRI = 70) |
| Controlgear | ECG-DALI |
| Rated values | Net luminous flux = 19830 lm Power consumption = 142.0 W Luminous efficacy = 139.6 lm/W |

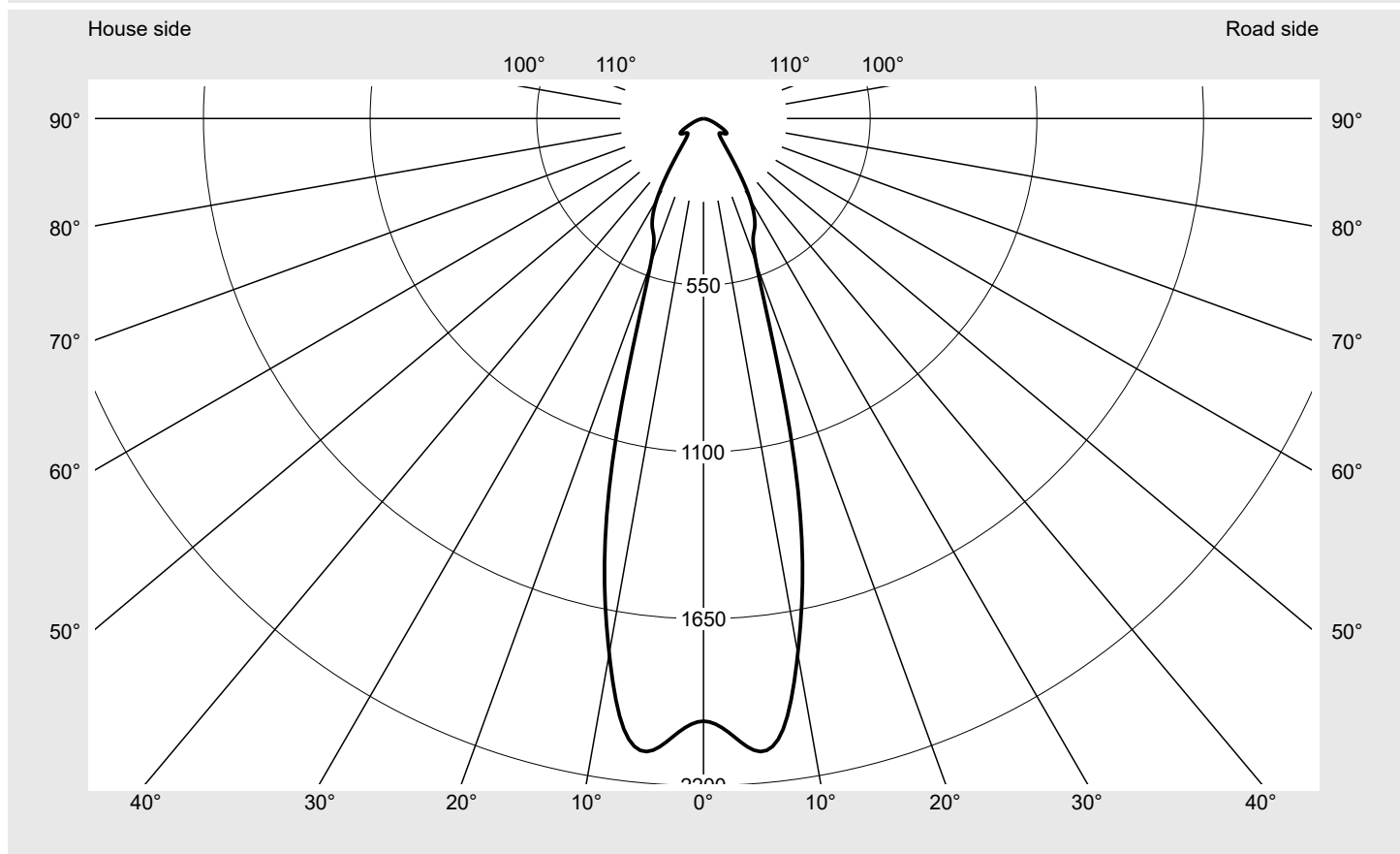
serial
documentation
25.08.2021

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Luminous intensity in cd/klm

C180-0

Imax: 2095 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: | G6 |
| Imax 70° | 33.2 |
| Imax 80° | 8.4 |
| Imax 90° | 0.0 |
| Imax >90° | 0.0 |
| Imax >95° | 0.0 |

Measurement conditions

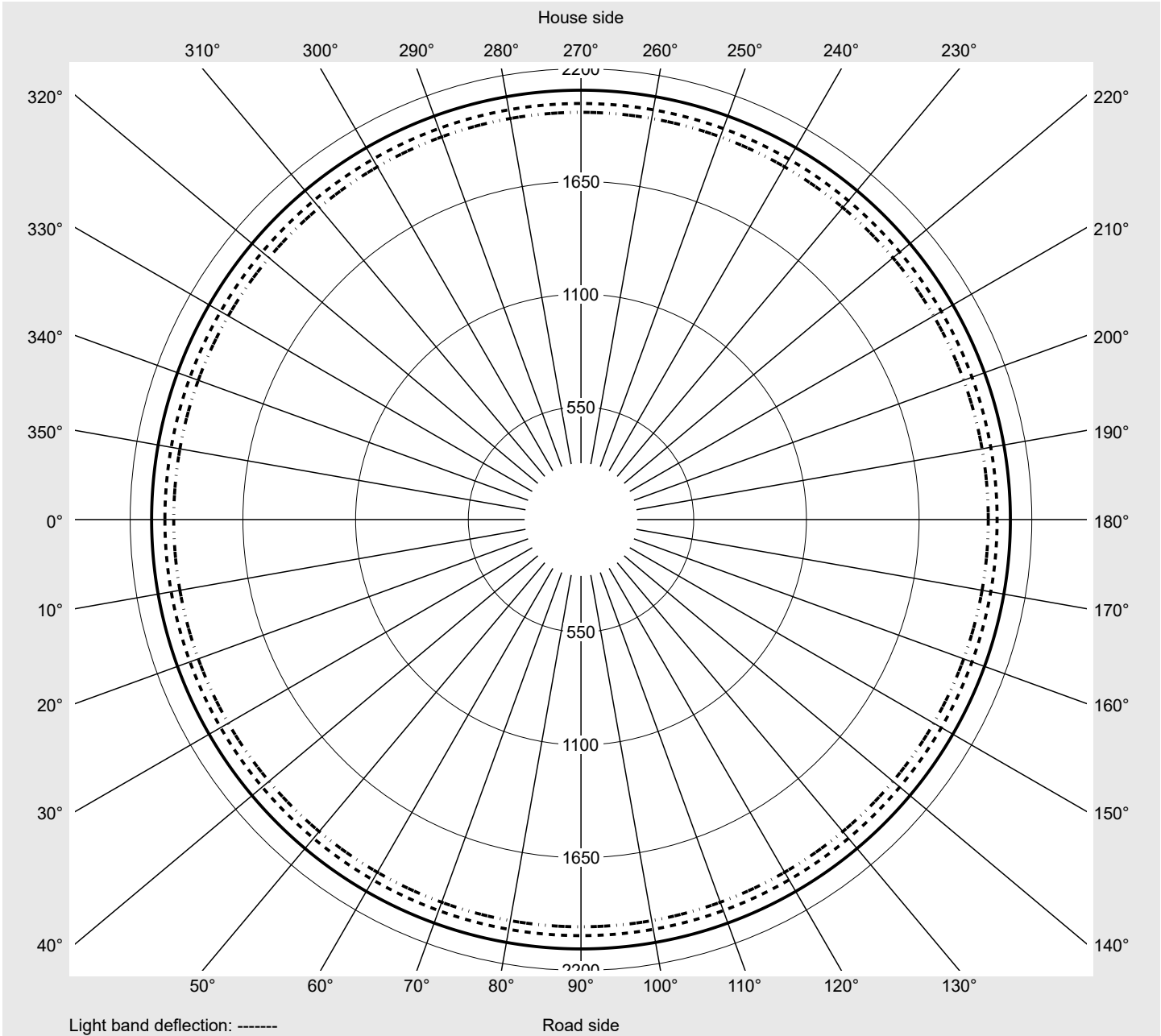
DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm **KMK 5°** **KMK 2.5°** **KMK 0°**



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

| C-planes | 0° | Phi-zone | Total Phi-zone |
|----------|------------------------------|-------------------------|----------------|
| γ | Luminous intensity in cd/klm | Luminous flux in lm/klm | |
| 0,0° | 1987.6 | 3.0 | 3.0 |
| 2,5° | 2030.7 | 24.3 | 27.3 |
| 5,0° | 2095.5 | 50.1 | 77.3 |
| 7,5° | 2026.9 | 72.5 | 149.8 |
| 10,0° | 1791.8 | 85.3 | 235.1 |
| 12,5° | 1509.5 | 89.6 | 324.7 |
| 15,0° | 1149.0 | 81.5 | 406.2 |
| 17,5° | 740.6 | 61.1 | 467.3 |
| 20,0° | 508.4 | 47.7 | 514.9 |
| 22,5° | 427.7 | 44.9 | 559.8 |
| 25,0° | 399.1 | 46.2 | 606.1 |
| 27,5° | 363.0 | 45.9 | 652.0 |
| 30,0° | 308.9 | 42.3 | 694.3 |
| 32,5° | 237.9 | 35.0 | 729.4 |
| 35,0° | 171.0 | 26.9 | 756.3 |
| 37,5° | 124.2 | 20.7 | 777.0 |
| 40,0° | 96.7 | 17.0 | 794.0 |
| 42,5° | 81.3 | 15.1 | 809.1 |
| 45,0° | 73.6 | 14.3 | 823.4 |
| 47,5° | 71.2 | 14.4 | 837.8 |
| 50,0° | 74.3 | 15.6 | 853.4 |
| 52,5° | 79.9 | 17.4 | 870.8 |
| 55,0° | 87.8 | 19.7 | 890.5 |
| 57,5° | 90.8 | 21.0 | 911.5 |
| 60,0° | 83.4 | 19.8 | 931.3 |
| 62,5° | 69.1 | 16.8 | 948.1 |
| 65,0° | 54.1 | 13.4 | 961.5 |
| 67,5° | 42.5 | 10.8 | 972.3 |
| 70,0° | 33.2 | 8.6 | 980.9 |
| 72,5° | 25.3 | 6.6 | 987.5 |
| 75,0° | 18.4 | 4.9 | 992.4 |
| 77,5° | 12.8 | 3.4 | 995.8 |
| 80,0° | 8.4 | 2.3 | 998.1 |
| 82,5° | 4.7 | 1.3 | 999.3 |
| 85,0° | 1.9 | 0.5 | 999.8 |
| 87,5° | 0.4 | 0.1 | 1000.0 |
| 90,0° | 0.0 | 0.0 | 1000.0 |
| 100,0° | 0.0 | 0.0 | 1000.0 |
| 110,0° | 0.0 | 0.0 | 1000.0 |
| 120,0° | 0.0 | 0.0 | 1000.0 |
| 130,0° | 0.0 | 0.0 | 1000.0 |
| 140,0° | 0.0 | 0.0 | 1000.0 |
| 150,0° | 0.0 | 0.0 | 1000.0 |
| 160,0° | 0.0 | 0.0 | 1000.0 |
| 170,0° | 0.0 | 0.0 | 1000.0 |
| 180,0° | 0.0 | 0.0 | 1000.0 |

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| Dimming levels table | environmental temperature: 25°C |  |
|-----------------------------|---------------------------------|---|

| Luminous flux % | Dimming level linear | Dimming level logarithmic | Luminous flux [lm] | Power consumption [W] |
|-----------------|----------------------|---------------------------|--------------------|-----------------------|
| 100 | 254 | 254 | 19830 | 142.0 |
| 95 | 241 | 252 | 18839 | 134.1 |
| 90 | 226 | 250 | 17847 | 126.2 |
| 85 | 211 | 247 | 16856 | 118.6 |
| 80 | 197 | 245 | 15864 | 111.1 |
| 75 | 185 | 242 | 14873 | 103.6 |
| 70 | 171 | 239 | 13881 | 96.3 |
| 65 | 157 | 236 | 12890 | 89.2 |
| 60 | 144 | 233 | 11898 | 82.2 |
| 55 | 130 | 230 | 10907 | 75.4 |
| 50 | 118 | 226 | 9915 | 68.6 |
| 45 | 106 | 222 | 8924 | 61.9 |
| 40 | 94 | 217 | 7932 | 55.3 |
| 35 | 81 | 212 | 6941 | 48.9 |
| 30 | 69 | 206 | 5949 | 42.6 |
| 25 | 57 | 199 | 4958 | 36.4 |
| 20 | 45 | 191 | 3966 | 30.3 |
| 15 | 34 | 181 | 2974 | 24.2 |