

## Photometric test report

**Family**  
**DL® 50 midi LED**



**Order number: 5XA2492G1B08A5**  
**EAN: 4058352061695**

**LP number**  
**57248\_13**

**Version** wire mounting  
**Optic** symmetric, wide distribution (ST0.5s)  
**Cover** clear cover, partly structured  
**Lamps** LED 3000 K | CRI ≥ 80  
**Controlgear** ECG Plus  
**Rated values** Net luminous flux = 7340 lm  
 Power consumption = 63.2 W  
 Luminous efficacy = 116.1 lm/W

**serial**  
**documentation**  
26.11.2020

**siteco**

**Luminous intensity in cd/klm**

**C180-0**

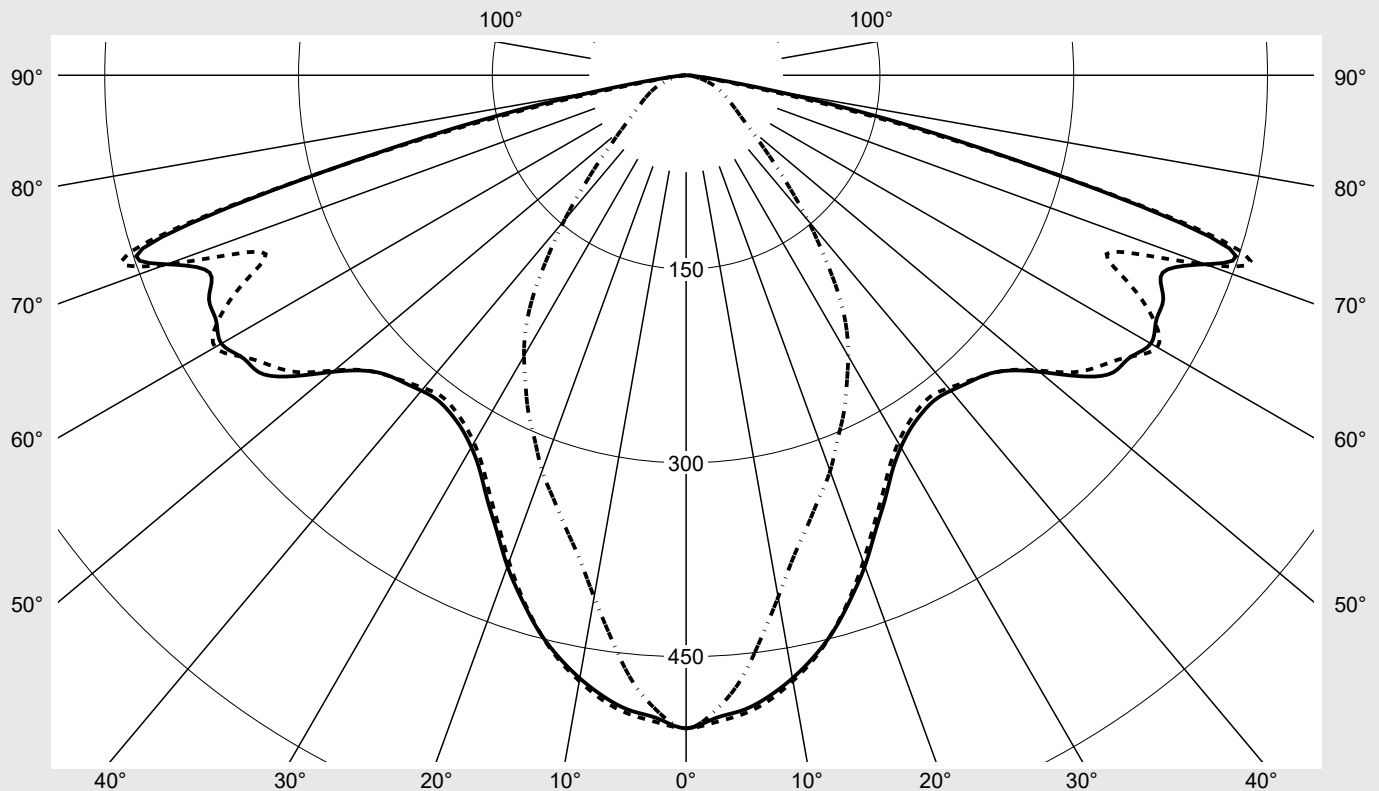
**C185-5**

**C270-90**

**Imax: 506 cd/klm**

House side

Road side



### 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°	428.8
Imax 80°	67.5
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

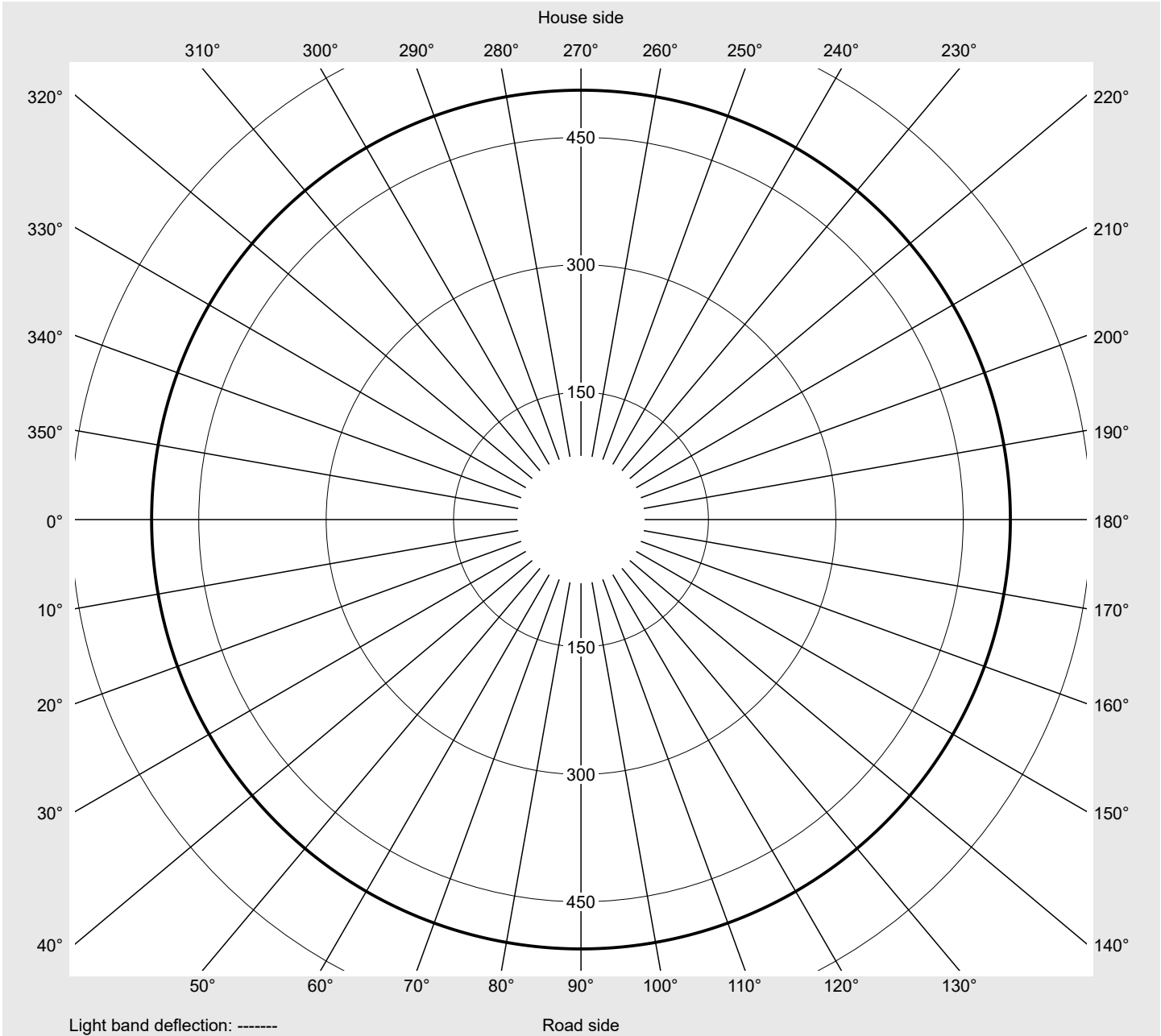
### Measurement conditions

DIN EN 13032 and DIN 5032

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**Envelope curve in cd/klm** KMK 0° siteco



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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>sITeco</b>

C-planes	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°
Luminous intensity in cd/klm										
γ										
0,0°	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5
2,5°	498.4	501.5	503.2	503.1	503.1	503.3	501.9	500.6	500.2	500.2
5,0°	493.6	496.6	497.9	496.6	496.1	495.0	492.5	489.4	487.1	485.6
7,5°	485.4	488.5	489.1	486.6	484.5	481.9	477.3	472.0	467.7	464.9
10,0°	473.9	476.1	475.6	471.5	467.9	463.4	456.4	448.5	442.2	437.7
12,5°	460.2	461.7	459.7	453.9	448.0	441.4	432.2	422.4	415.1	410.2
15,0°	444.0	443.6	440.3	432.6	425.2	416.9	406.2	395.2	387.5	382.8
17,5°	424.4	422.9	417.9	408.9	399.6	389.9	378.5	367.8	361.2	358.1
20,0°	404.5	400.8	395.1	384.9	375.0	364.4	354.0	344.9	339.7	338.2
22,5°	382.4	378.6	371.7	361.1	350.0	339.9	330.5	324.3	320.7	320.4
25,0°	363.5	359.0	352.2	342.2	331.0	320.8	313.6	308.3	305.6	304.8
27,5°	345.4	341.2	333.4	324.0	313.1	303.8	297.2	292.5	288.8	284.5
30,0°	332.5	328.4	319.9	309.7	299.2	291.2	284.8	278.2	270.9	264.6
32,5°	323.8	319.8	310.8	298.6	289.0	281.4	272.8	261.8	252.8	246.2
35,0°	318.8	314.5	305.0	289.4	279.8	270.9	258.9	244.7	235.6	229.4
37,5°	316.6	312.5	301.2	283.7	273.1	262.6	245.1	230.8	223.0	214.6
40,0°	318.7	316.1	300.8	281.4	269.1	253.6	232.9	221.5	212.1	201.7
42,5°	322.9	321.6	304.8	283.6	270.5	245.1	221.8	212.3	201.2	189.3
45,0°	327.9	328.3	310.8	290.6	271.3	233.3	215.8	203.7	189.3	173.2
47,5°	338.4	338.0	319.5	302.3	270.2	225.9	209.6	194.5	176.7	157.0
50,0°	357.1	355.4	333.6	314.2	265.2	225.6	206.4	187.2	166.0	141.5
52,5°	382.5	377.6	343.3	322.2	260.7	230.1	208.2	184.8	159.7	131.6
55,0°	402.1	392.0	356.8	319.6	262.9	238.6	212.3	184.5	155.6	123.6
57,5°	407.0	405.9	379.1	318.2	266.6	249.8	214.0	184.5	155.0	119.0
60,0°	415.4	421.1	404.5	323.7	285.7	266.2	217.5	184.9	153.3	114.5
62,5°	410.3	407.4	394.1	329.7	313.0	283.1	222.3	185.1	150.1	109.5
65,0°	407.5	376.2	344.5	328.0	325.9	278.6	222.1	180.5	141.9	103.3
67,5°	399.3	356.7	318.7	326.5	301.1	239.5	198.1	163.2	129.2	94.6
70,0°	427.7	428.8	364.6	345.9	243.1	187.6	154.9	130.3	109.8	83.8
72,5°	437.1	448.0	338.3	263.4	182.8	129.9	103.4	84.5	82.6	69.3
75,0°	296.7	297.7	246.6	192.9	123.9	81.5	64.8	57.8	51.7	41.0
77,5°	168.1	151.3	139.0	99.0	64.0	48.1	41.0	39.4	31.5	25.2
80,0°	67.5	44.9	43.4	42.9	32.2	24.8	24.8	20.5	16.9	14.4
82,5°	18.8	17.0	15.8	17.7	14.5	13.8	13.2	11.4	8.9	7.7
85,0°	6.2	6.7	6.8	7.1	6.5	5.7	5.5	5.1	4.4	3.9
87,5°	2.6	2.5	2.5	2.3	2.2	2.0	1.9	1.8	1.7	1.6
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>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

C-planes	50°	55°	60°	65°	70°	75°	80°	85°	90°	Phi-zone	Total Phi-zone
	130°	125°	120°	115°	110°	105°	100°	95°			
	230°	235°	240°	245°	250°	255°	260°	265°	270°		
	310°	305°	300°	295°	290°	285°	280°	275°			
γ	Luminous intensity in cd/klm									Luminous flux in lm/klm	
0,0°	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	0.8	0.8
2,5°	502.1	503.2	502.3	502.3	503.1	502.7	500.2	494.8	493.3	6.0	6.8
5,0°	486.3	485.7	483.4	482.2	482.0	480.7	477.6	471.7	471.7	11.6	18.4
7,5°	463.6	461.3	457.6	455.4	454.1	452.0	448.4	442.1	440.7	16.7	35.1
10,0°	435.5	432.1	428.0	424.9	423.1	420.8	417.0	411.0	410.2	21.1	56.2
12,5°	407.5	404.1	400.2	397.3	395.7	393.6	390.2	384.8	382.7	24.9	81.0
15,0°	380.8	378.0	375.4	373.4	372.6	370.9	368.1	363.6	361.7	28.0	109.1
17,5°	357.3	355.7	354.3	353.1	352.5	350.9	348.7	345.1	342.7	30.7	139.8
20,0°	338.6	337.6	336.4	335.2	333.7	331.9	329.7	326.9	325.9	33.0	172.8
22,5°	320.5	319.0	316.4	314.3	312.2	310.2	308.1	306.6	305.9	34.7	207.5
25,0°	302.9	299.6	296.3	293.2	291.6	290.0	288.2	287.7	288.6	36.1	243.6
27,5°	280.7	275.8	272.0	269.4	268.2	267.3	266.6	267.6	269.3	36.9	280.5
30,0°	259.9	255.1	250.6	247.9	247.0	246.9	247.4	249.4	251.0	37.6	318.2
32,5°	241.4	235.7	229.6	226.4	225.7	225.9	227.0	228.9	230.5	38.1	356.2
35,0°	222.1	214.3	207.0	204.3	203.3	202.7	202.8	203.0	204.8	38.0	394.2
37,5°	204.7	194.4	186.8	183.4	181.0	178.6	176.6	174.7	174.5	37.8	432.0
40,0°	189.6	176.6	167.9	163.1	159.0	154.7	150.6	147.0	146.8	37.5	469.5
42,5°	174.3	159.0	149.8	143.3	137.5	131.5	125.8	121.1	119.5	37.2	506.7
45,0°	155.6	140.7	132.4	123.9	116.8	109.7	102.9	97.9	96.9	36.7	543.4
47,5°	137.1	125.1	116.7	106.9	99.1	91.5	84.8	80.1	78.3	36.4	579.8
50,0°	121.3	111.7	102.0	92.2	84.0	76.7	70.4	66.0	65.0	36.5	616.3
52,5°	110.2	101.4	90.2	80.0	71.5	64.7	58.9	55.7	54.6	37.1	653.4
55,0°	102.2	92.2	80.7	70.9	62.6	55.7	50.9	48.2	47.8	37.9	691.2
57,5°	98.7	85.0	72.8	63.4	55.6	49.4	45.1	42.9	42.2	38.9	730.2
60,0°	93.7	77.8	66.2	56.7	48.8	43.7	40.2	38.3	37.9	40.4	770.6
62,5°	85.4	71.0	58.6	50.8	42.9	38.1	35.6	34.1	33.7	41.0	811.5
65,0°	76.2	62.3	49.8	43.9	37.6	33.5	31.5	30.3	30.1	39.8	851.4
67,5°	66.6	52.8	40.6	35.1	31.2	28.9	27.5	26.6	26.2	37.3	888.6
70,0°	57.6	42.0	33.6	28.5	26.3	24.6	23.4	22.6	22.6	36.2	924.9
72,5°	48.9	34.3	25.9	22.7	21.2	20.2	19.3	18.6	18.3	31.1	956.0
75,0°	31.9	25.7	19.7	17.7	16.8	16.0	15.4	14.7	14.7	21.6	977.6
77,5°	20.6	16.4	14.0	13.1	12.5	12.0	11.5	10.9	10.7	12.5	990.1
80,0°	12.0	10.3	9.3	8.8	8.5	8.1	7.7	7.4	7.4	5.6	995.7
82,5°	6.8	6.3	5.8	5.5	5.2	5.0	4.8	4.6	4.5	2.7	998.4
85,0°	3.5	3.3	3.1	2.9	2.7	2.5	2.4	2.4	2.4	1.2	999.6
87,5°	1.5	1.3	1.2	1.1	1.1	1.0	0.9	0.9	0.9	0.4	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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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
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Luminous flux %	Dimming level linear	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	7340	63.2	64.9	64.1
95	241	6964	59.5	61.2	60.4
90	229	6618	56.3	57.7	57.0
85	216	6242	52.7	54.2	53.4
80	203	5866	49.3	50.7	50.0
75	190	5491	45.9	47.2	46.6
70	178	5144	42.9	44.1	43.5
65	165	4768	39.6	40.6	40.1
60	152	4392	36.3	37.3	36.8
55	140	4046	33.4	34.3	33.8
50	127	3670	30.4	31.1	30.8
45	114	3294	27.2	27.9	27.6
40	102	2948	24.5	25.1	24.8
35	89	2572	21.4	21.9	21.6
30	76	2196	18.4	18.9	18.6
25	63	1821	15.2	15.6	15.4
20	51	1474	12.0	12.3	12.2
17	43	1243	9.8	10.1	10.0