

Photometric test report

Family
DL® 50 mini LED

Order number: 5XA2482P1B08A4
EAN: 4058352060971

LP number
57237_28



Version wire mounting
Optic symmetric, wide distribution (ST0.5s)
Cover clear cover, partly structured
Lamps LED 4000 K | CRI ≥ 70
Controlgear ECG Plus
Rated values Net luminous flux = 7310 lm
Power consumption = 53.4 W
Luminous efficacy = 136.9 lm/W

serial
documentation
26.11.2020

siteco

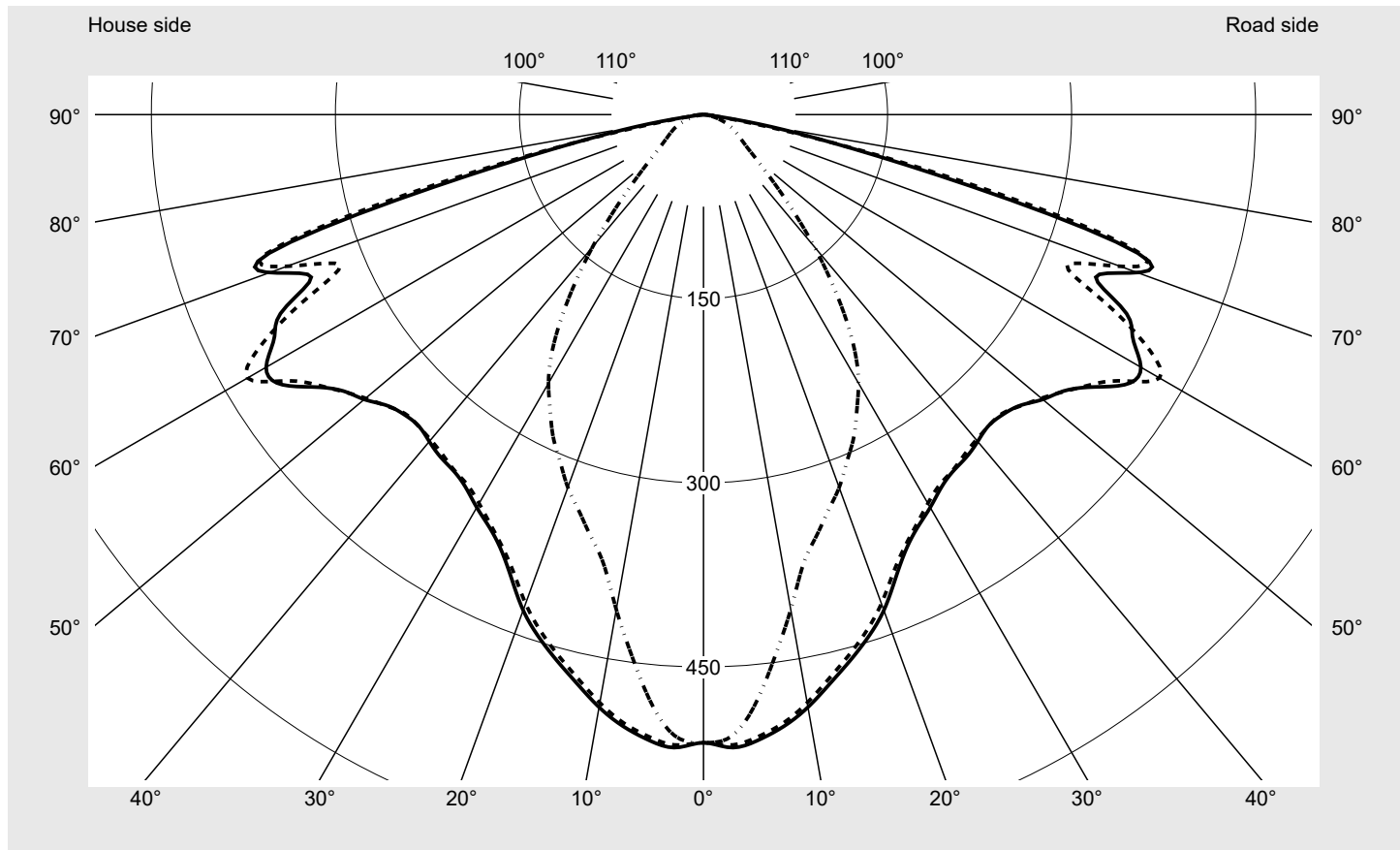
Luminous intensity in cd/klm

C180-0

C185-5

C270-90

Imax: 516 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:	G4
Imax 70°	376.3
Imax 80°	52.6
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

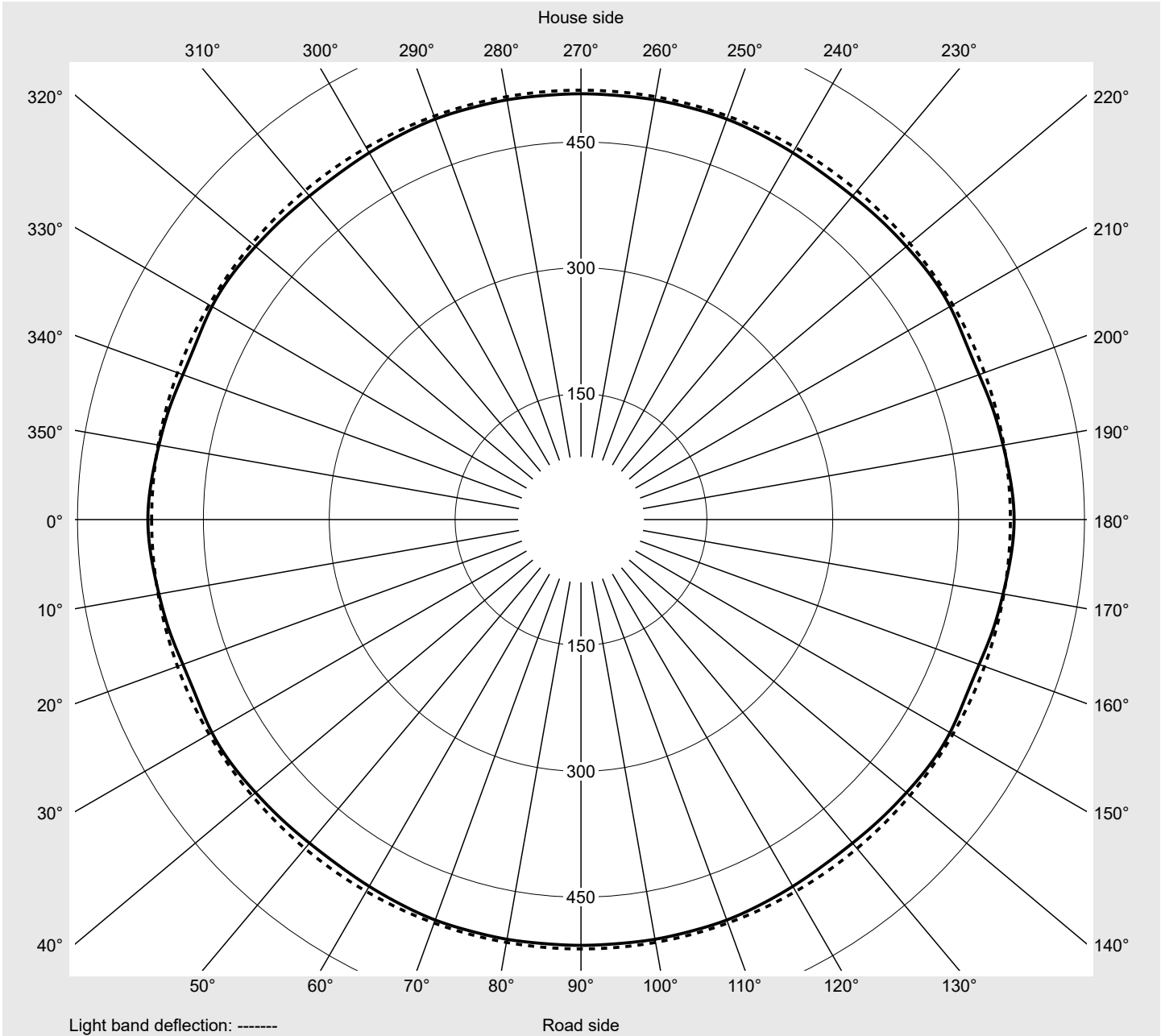
Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm KMK 2.5° KMK 0° siteco



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Table of values for luminous intensities		Maximum luminous intensity
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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°	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7
2,5°	516.2	514.1	510.7	508.2	504.9	504.9	507.8	508.1	506.3	504.8
5,0°	511.6	508.8	505.0	501.9	498.2	497.1	498.2	497.0	493.4	489.7
7,5°	502.6	499.8	495.2	491.3	486.0	482.8	481.6	478.8	473.5	467.8
10,0°	490.2	486.5	480.8	475.2	468.6	463.2	459.1	454.0	446.8	439.7
12,5°	475.1	471.0	464.4	457.9	449.1	440.8	433.2	425.6	416.4	407.9
15,0°	460.8	456.4	448.4	439.7	430.3	419.7	408.9	399.3	389.0	380.6
17,5°	446.3	441.3	431.2	420.5	408.4	396.0	384.1	374.1	363.9	357.0
20,0°	429.8	423.9	412.4	398.5	384.5	371.8	360.5	351.8	342.8	337.8
22,5°	408.9	404.1	391.7	376.4	360.2	346.6	337.8	332.1	324.7	320.3
25,0°	390.8	388.3	378.3	361.2	343.6	329.1	320.8	317.1	309.9	304.6
27,5°	378.5	376.2	366.5	349.5	330.6	315.8	307.0	303.0	294.0	284.4
30,0°	369.6	365.8	354.2	337.8	320.6	307.3	296.6	287.3	273.8	262.5
32,5°	360.4	357.9	346.2	326.8	312.9	300.9	286.8	269.1	253.4	242.8
35,0°	354.7	353.9	343.7	321.1	306.4	295.9	274.7	251.3	236.0	225.6
37,5°	351.8	349.2	337.6	316.8	302.6	289.7	262.2	239.9	226.8	214.3
40,0°	347.7	345.9	330.6	312.0	300.4	279.2	248.1	231.3	217.5	202.5
42,5°	343.8	344.1	329.2	309.4	297.8	265.6	237.1	222.6	208.0	190.6
45,0°	345.4	344.4	327.0	309.3	292.0	254.5	231.6	217.3	198.0	178.4
47,5°	350.5	351.1	328.7	313.2	285.3	247.6	229.8	212.2	188.4	163.3
50,0°	361.0	359.5	334.1	314.7	279.4	247.1	226.6	205.9	177.4	144.1
52,5°	369.9	370.6	337.8	314.9	272.7	245.1	223.0	199.3	166.6	128.0
55,0°	386.9	384.1	352.2	312.8	265.3	245.6	222.4	196.6	161.9	119.0
57,5°	408.8	403.7	378.9	317.2	267.3	252.0	225.9	198.7	163.5	116.0
60,0°	411.6	429.1	408.9	325.2	285.0	273.3	231.2	201.2	164.2	117.1
62,5°	394.4	406.2	395.3	336.2	331.1	302.5	235.9	200.8	165.1	113.8
65,0°	378.9	359.8	349.3	342.9	347.7	305.7	231.6	193.2	157.9	111.7
67,5°	346.1	320.7	320.0	341.8	313.1	258.0	196.5	166.8	137.2	99.7
70,0°	376.3	361.5	354.6	336.6	254.9	190.7	148.3	120.8	111.7	87.1
72,5°	365.9	371.1	326.4	255.2	185.3	127.4	93.1	74.5	77.3	69.1
75,0°	226.8	249.2	215.0	165.5	107.4	69.5	58.2	50.7	45.9	37.3
77,5°	113.4	117.6	97.2	62.6	46.6	36.2	30.8	31.7	26.2	20.5
80,0°	52.6	37.6	34.9	35.5	20.9	14.9	16.5	14.9	11.4	10.2
82,5°	11.3	10.6	11.3	11.8	8.2	7.0	6.9	6.8	6.3	5.5
85,0°	6.1	5.8	5.3	4.8	4.2	3.8	3.6	3.5	3.3	3.0
87,5°	2.7	2.6	2.5	2.3	2.1	1.9	1.8	1.7	1.5	1.4
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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Table of values for luminous intensities		Maximum luminous intensity
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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°	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	0.8	0.8
2,5°	503.4	503.3	504.8	506.4	507.9	507.8	507.9	507.3	507.5	6.1	6.8
5,0°	486.3	484.6	484.8	484.6	484.6	483.1	482.0	480.9	482.4	11.8	18.6
7,5°	462.6	459.2	457.1	454.7	452.8	450.1	447.6	446.1	445.5	16.8	35.4
10,0°	432.9	427.9	424.5	421.2	417.4	413.4	409.9	408.6	409.4	21.1	56.5
12,5°	401.0	395.9	391.9	388.1	383.9	379.8	376.1	375.5	375.4	24.7	81.2
15,0°	374.2	370.0	367.4	364.5	360.3	356.7	353.8	354.3	355.5	27.9	109.1
17,5°	352.6	349.9	348.2	346.1	342.4	339.0	336.8	337.5	338.1	30.8	139.9
20,0°	335.1	333.6	332.1	329.5	325.9	322.9	321.5	321.9	323.3	33.2	173.1
22,5°	317.8	315.3	312.5	309.3	306.3	304.3	304.0	304.7	305.6	35.1	208.2
25,0°	299.6	295.6	291.9	289.0	287.2	286.6	287.3	288.4	289.9	36.8	245.0
27,5°	277.8	272.7	269.4	267.3	266.4	267.1	268.9	270.2	270.8	38.1	283.1
30,0°	255.6	251.6	247.9	245.5	245.5	247.4	250.0	251.8	252.7	38.9	322.0
32,5°	235.9	230.2	225.9	223.4	223.8	226.1	228.4	230.1	230.1	39.4	361.4
35,0°	216.2	208.2	202.3	200.0	200.1	200.9	201.3	201.0	201.6	39.5	400.9
37,5°	201.9	190.6	183.6	180.7	178.8	177.3	174.7	172.0	170.7	39.5	440.4
40,0°	187.4	173.2	165.2	161.0	156.4	151.9	146.4	141.8	140.5	39.1	479.5
42,5°	172.0	156.0	147.6	141.2	134.8	128.0	120.4	114.2	111.9	38.5	518.0
45,0°	157.1	139.3	128.6	120.4	112.9	104.1	95.3	89.0	87.8	37.9	555.9
47,5°	140.3	125.6	114.0	103.6	95.0	85.6	77.4	71.5	69.2	37.5	593.4
50,0°	119.3	110.0	99.0	88.3	79.4	70.1	62.6	57.3	55.9	37.1	630.6
52,5°	102.3	94.0	84.1	74.6	65.9	58.2	51.4	47.5	46.2	36.8	667.4
55,0°	92.2	82.1	71.8	62.7	55.3	48.6	43.5	40.6	40.0	37.1	704.4
57,5°	88.8	74.4	62.4	54.0	47.0	41.8	38.2	36.2	35.4	38.4	742.8
60,0°	89.3	71.2	57.8	47.3	40.2	36.4	33.9	32.5	32.0	40.4	783.2
62,5°	85.4	68.1	55.7	44.2	36.0	32.1	30.1	29.0	28.7	41.6	824.8
65,0°	78.4	59.8	48.4	39.3	31.9	28.2	26.5	25.8	25.8	40.6	865.4
67,5°	72.5	52.0	38.1	30.1	26.3	24.4	23.1	22.4	22.2	37.0	902.4
70,0°	61.0	40.0	29.2	24.1	22.4	20.8	19.7	18.9	18.8	34.3	936.7
72,5°	50.1	30.3	22.2	19.1	17.8	17.0	16.1	15.3	15.0	28.4	965.1
75,0°	28.6	20.8	16.4	14.6	13.9	13.3	12.6	11.8	11.8	18.4	983.5
77,5°	16.8	13.2	11.1	10.5	10.1	9.8	9.2	8.6	8.3	9.2	992.7
80,0°	9.0	7.8	7.0	6.7	6.5	6.2	5.8	5.7	5.7	4.2	997.0
82,5°	4.9	4.7	4.3	4.1	3.9	3.7	3.6	3.5	3.5	1.7	998.7
85,0°	2.7	2.5	2.3	2.2	2.0	1.9	2.0	2.0	1.9	0.9	999.6
87,5°	1.2	1.2	1.0	0.9	0.9	0.9	0.9	0.8	0.8	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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Dimming levels table	environmental temperature: 25°C	sITeco
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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	7310	53.4	55.3	54.4
95	241	6935	50.1	51.8	51.0
90	229	6590	47.1	48.8	48.0
85	216	6217	44.0	45.5	44.8
80	203	5842	40.9	42.3	41.6
75	190	5468	37.9	39.3	38.6
70	178	5123	35.3	36.5	35.9
65	165	4748	32.5	33.6	33.0
60	152	4375	29.7	30.7	30.2
55	140	4030	27.3	28.2	27.8
50	127	3655	24.7	25.4	25.0
45	114	3280	22.1	22.8	22.5
40	102	2935	19.8	20.4	20.1
35	89	2562	17.4	17.9	17.6
30	76	2187	15.0	15.4	15.2
25	63	1813	12.7	13.0	12.8
20	51	1468	10.6	10.9	10.8
15	38	1093	8.3	8.5	8.4
15	37	1065	8.1	8.4	8.2