
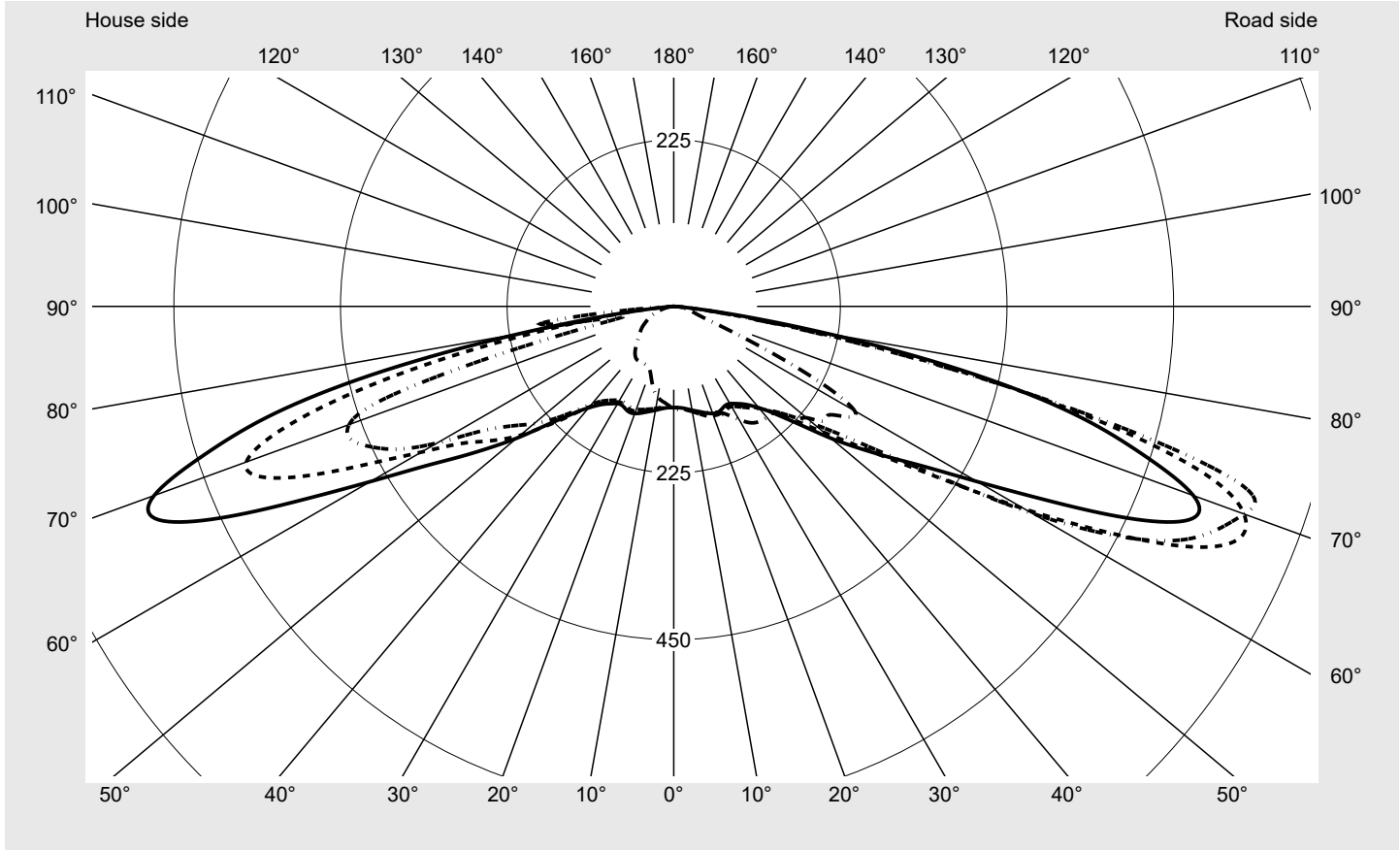


# Photometric test report

<b>Family</b> <b>DL® 50 mini LED</b>	<b>Order number: 5XA248A21F08GE</b> <b>EAN: 4058352802014</b>	<b>LP number</b> <b>59405_7</b>
	<b>Version</b> post-top or side-entry mounting <b>Optic</b> asymmetric, extremely wide distribution (P1.0a) <b>Cover</b> toughened safety glass <b>Lamps</b> LED 2200 K   CRI ≥ 70 <b>Controlgear</b> ECG SITECO iQ <b>Rated values</b> Net luminous flux = 4440 lm Power consumption = 35.2 W Luminous efficacy = 126.1 lm/W	<b>serial documentation</b> <b>03.04.2023</b>



**Luminous intensity in cd/klm** C180-0 C185-5 C190-10 C270-90 **Imax: 824 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:	---
Imax 70°	819.8
Imax 80°	208.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

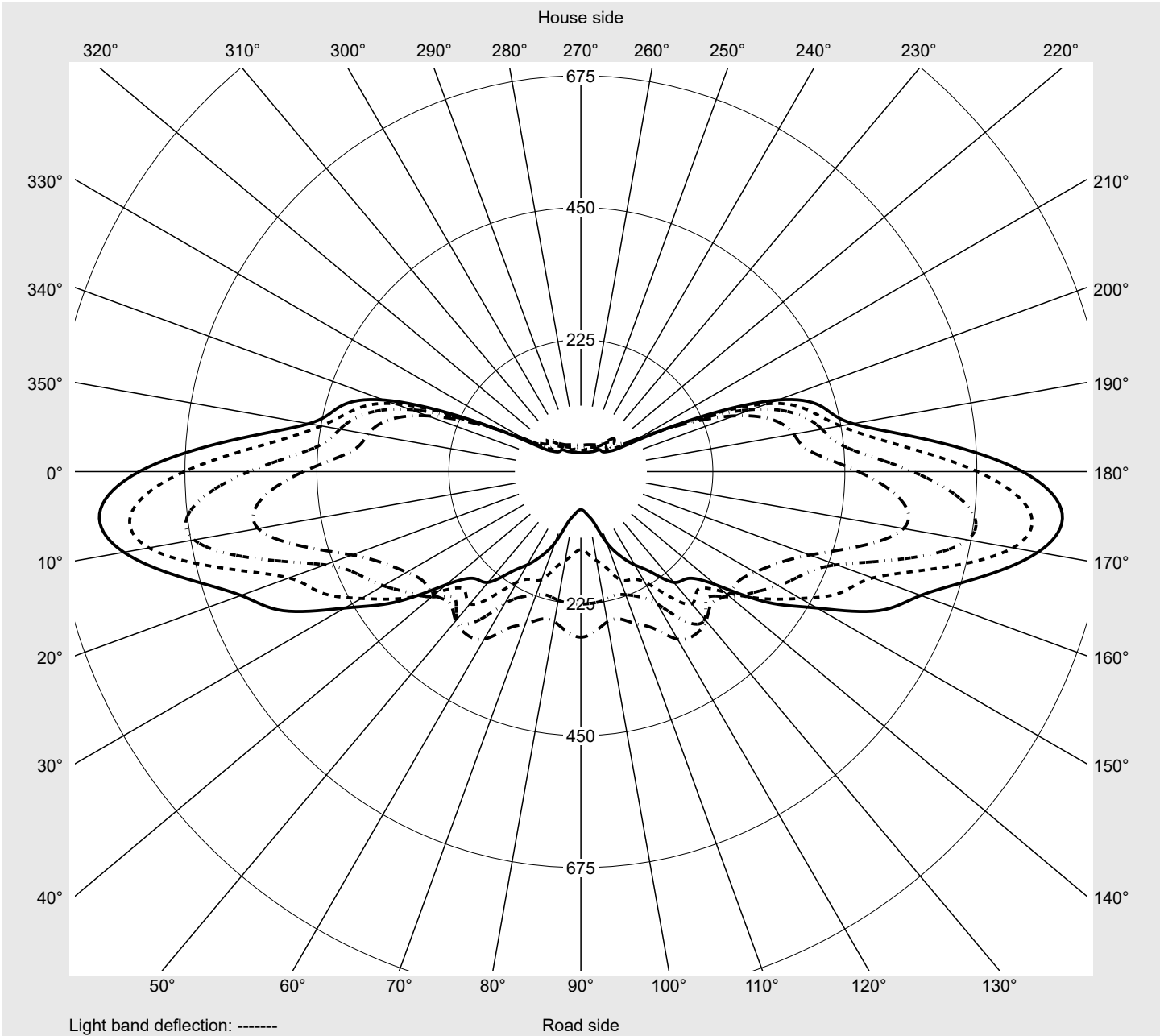
**Measurement conditions**

DIN EN 13032 and DIN 5032

**Photometric test report**

<b>Family</b> <b>DL® 50 mini LED</b>	<b>Order number: 5XA248A21F08GE</b> <b>EAN: 4058352802014</b>	<b>LP number</b> <b>59405_7</b>
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**Envelope curve in cd/klm**      **KMK 67.5°**    **KMK 65°**    **KMK 62.5°**    **KMK 60°**      **siteco**



## Photometric test report

<b>Family</b> <b>DL® 50 mini LED</b>	<b>Order number: 5XA248A21F08GE</b> <b>EAN: 4058352802014</b>	<b>LP number</b> <b>59405_7</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
<b>siteco</b>		

C-planes	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	Luminous intensity in cd/klm												
0,0°	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7
2,5°	136.8	137.0	137.2	137.4	137.5	137.7	137.8	137.9	138.0	138.1	138.3	138.5	138.6
5,0°	137.8	138.4	138.8	139.2	139.4	139.7	139.9	140.1	140.1	140.1	140.0	140.0	140.0
7,5°	139.8	140.5	141.2	141.8	142.2	142.4	142.5	142.5	142.5	142.1	141.7	141.5	141.2
10,0°	142.4	143.4	144.3	145.1	145.6	145.8	145.7	145.3	145.0	144.5	144.1	143.9	143.7
12,5°	145.0	146.3	147.8	149.0	149.5	149.5	149.2	148.8	148.5	148.3	148.3	148.4	148.2
15,0°	147.9	149.9	151.7	153.3	154.1	154.1	153.7	153.4	153.5	153.7	153.7	153.4	152.8
17,5°	151.1	153.5	155.7	157.6	158.6	158.7	158.5	158.4	158.6	158.7	158.4	157.8	156.9
20,0°	153.9	156.6	158.9	161.3	162.4	162.6	162.8	162.9	163.1	163.1	162.6	161.8	160.7
22,5°	154.9	157.8	160.7	163.6	165.5	166.3	166.8	167.2	167.4	167.0	166.4	165.7	165.2
25,0°	153.2	156.0	159.2	163.2	166.3	168.4	170.2	171.1	171.3	170.9	170.7	170.6	170.7
27,5°	150.8	153.2	156.2	160.3	163.7	166.8	170.7	173.2	174.0	174.7	175.3	176.3	177.3
30,0°	151.7	153.7	156.1	159.0	161.1	164.1	169.0	173.6	176.7	178.7	180.5	182.4	185.3
32,5°	155.7	158.2	160.5	162.8	162.6	162.9	166.1	171.6	179.1	183.9	186.9	190.3	194.9
35,0°	160.9	163.7	166.4	168.7	167.7	167.9	166.0	169.3	179.4	189.4	193.0	197.2	203.9
37,5°	168.2	170.5	173.0	174.5	174.3	174.2	173.4	171.2	178.0	191.3	196.9	203.1	213.5
40,0°	178.8	179.6	180.6	180.9	180.5	181.2	182.3	180.3	178.1	189.8	201.0	212.6	227.7
42,5°	193.1	191.6	190.0	187.9	186.8	187.4	191.8	191.5	185.7	188.6	208.9	225.4	244.2
45,0°	213.9	209.2	203.6	197.5	194.4	193.4	198.7	203.2	199.0	192.5	220.8	242.1	260.1
47,5°	241.1	233.1	222.0	211.7	205.0	201.3	204.2	214.9	216.3	204.7	235.6	260.0	276.9
50,0°	276.9	264.8	247.7	234.2	221.7	214.5	216.2	229.0	237.9	227.3	255.2	283.5	304.1
52,5°	313.8	305.6	285.1	264.5	247.3	238.2	237.5	248.9	261.1	253.8	281.3	313.4	328.0
55,0°	355.0	361.8	344.3	315.2	291.4	277.2	270.0	273.4	282.3	282.0	311.3	328.3	330.9
57,5°	403.4	439.6	434.6	392.5	351.8	323.9	304.5	295.5	301.3	309.9	329.0	335.9	347.6
60,0°	473.2	547.3	558.6	491.3	415.3	369.9	342.7	327.0	326.5	316.6	332.1	339.1	329.6
62,5°	565.9	661.1	669.6	572.5	464.0	416.5	388.8	359.0	332.0	304.6	328.4	311.6	260.2
65,0°	676.3	767.7	747.8	633.7	529.5	488.3	432.1	377.2	318.8	283.1	294.2	257.3	217.4
67,5°	753.0	823.7	791.1	700.3	616.6	560.5	464.9	388.3	299.8	257.4	246.3	209.2	183.5
70,0°	746.8	819.5	819.8	758.7	688.2	619.3	515.7	407.7	294.7	229.7	190.0	158.5	121.9
72,5°	663.4	751.7	806.0	776.0	714.3	665.0	531.7	389.8	281.1	182.2	126.8	91.3	58.2
75,0°	557.3	589.1	614.4	627.9	637.0	572.6	390.4	268.0	182.0	120.0	74.9	47.7	38.0
77,5°	399.1	374.4	363.2	363.8	409.9	313.4	202.9	97.5	68.7	69.3	39.9	29.3	25.0
80,0°	208.9	172.9	157.6	172.7	158.4	155.0	84.1	47.0	40.9	42.6	23.7	18.3	16.0
82,5°	73.2	58.8	55.8	60.1	53.4	64.3	40.1	24.5	20.4	20.2	12.4	9.8	9.5
85,0°	14.5	13.6	13.1	17.4	16.8	14.3	9.2	7.5	6.4	6.2	5.8	5.0	4.0
87,5°	3.5	3.3	3.2	3.1	3.1	2.8	2.6	2.2	2.1	1.9	1.8	1.6	1.4
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

## Photometric test report

<b>Family</b> <b>DL® 50 mini LED</b>	<b>Order number: 5XA248A21F08GE</b> <b>EAN: 4058352802014</b>	<b>LP number</b> <b>59405_7</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
<b>siteco</b>		

C-planes	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	Luminous intensity in cd/klm												
0,0°	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7
2,5°	138.8	139.0	139.2	139.4	139.6	139.6	136.6	136.3	135.9	135.7	135.3	135.1	134.8
5,0°	140.0	140.1	140.1	140.2	140.3	140.4	137.3	136.6	135.9	135.3	134.6	133.9	133.3
7,5°	140.9	140.8	140.7	140.8	140.9	140.9	138.9	137.9	136.8	135.8	134.7	133.6	132.7
10,0°	143.5	143.5	143.3	143.5	143.5	143.6	141.2	139.9	138.6	137.0	135.5	134.1	132.7
12,5°	147.7	147.2	146.6	146.2	146.0	146.0	143.5	141.9	140.3	138.5	136.6	134.9	133.1
15,0°	152.0	151.0	149.9	149.0	148.4	148.2	145.9	143.9	141.8	139.7	137.8	135.5	133.2
17,5°	155.7	154.4	152.8	151.2	150.0	149.7	148.6	146.1	143.4	140.7	138.1	135.4	132.5
20,0°	159.4	158.1	156.0	153.8	152.4	151.8	150.7	147.6	144.4	141.2	138.1	134.7	131.0
22,5°	164.3	163.0	160.7	158.0	155.9	154.9	151.4	148.1	144.9	141.5	138.0	133.8	128.4
25,0°	170.7	169.5	166.9	163.7	160.6	159.3	150.1	147.4	144.5	141.1	137.6	132.4	124.7
27,5°	178.5	178.4	176.3	172.7	169.4	167.1	148.2	145.9	143.3	140.1	136.3	129.5	119.1
30,0°	188.6	190.0	189.3	185.6	179.5	176.2	149.3	146.6	143.2	139.7	134.7	125.6	112.3
32,5°	200.4	204.0	204.5	199.0	190.2	185.5	153.1	150.2	146.0	141.3	133.2	120.0	105.1
35,0°	211.2	218.3	220.6	212.7	199.0	191.6	158.1	155.1	150.4	143.8	131.5	114.1	98.2
37,5°	227.2	235.9	236.2	224.8	205.3	194.2	165.5	161.7	156.3	146.8	128.7	107.9	92.2
40,0°	245.4	251.5	248.6	235.2	210.1	195.6	177.3	172.3	164.3	150.0	125.2	101.3	87.8
42,5°	260.0	264.6	258.6	243.6	213.9	196.2	194.3	187.6	175.0	154.6	120.8	94.8	85.0
45,0°	273.3	275.7	268.4	252.8	226.7	206.4	217.7	207.3	186.7	161.0	117.7	90.0	84.8
47,5°	292.1	294.7	290.3	274.6	245.1	225.1	242.7	227.4	199.3	169.4	117.2	86.7	86.9
50,0°	322.0	327.1	310.4	289.2	252.5	234.0	270.9	246.5	213.3	180.4	123.3	88.2	89.6
52,5°	333.1	331.3	326.4	309.2	275.8	254.2	295.3	263.5	231.0	196.5	135.3	93.0	92.0
55,0°	343.8	356.9	335.7	307.1	281.3	255.7	318.3	284.6	257.3	219.5	154.6	99.3	92.0
57,5°	365.9	331.2	312.3	297.3	291.1	277.6	346.0	316.5	293.5	246.7	174.5	106.9	89.1
60,0°	295.1	276.0	260.1	259.9	273.8	282.1	393.6	368.5	339.9	277.9	189.4	112.2	83.8
62,5°	235.2	223.1	218.5	222.6	225.0	225.8	457.7	417.3	380.3	309.2	199.5	110.6	77.0
65,0°	202.7	196.1	170.0	153.9	140.6	132.7	538.6	449.3	402.5	338.8	207.3	104.0	69.6
67,5°	158.2	128.7	92.8	77.0	68.2	64.7	601.9	471.0	426.2	357.1	212.0	93.9	61.5
70,0°	84.5	63.0	52.1	42.8	39.6	38.6	614.2	466.4	446.0	367.2	212.9	83.4	55.1
72,5°	44.2	40.4	37.1	32.2	30.3	29.8	557.3	399.8	429.1	344.4	178.5	68.3	47.8
75,0°	34.0	31.2	29.4	27.4	24.5	24.1	444.9	215.0	290.8	262.8	130.9	53.2	38.4
77,5°	23.9	22.4	21.2	19.7	18.3	18.2	300.0	82.4	170.8	162.6	82.5	42.4	29.8
80,0°	16.5	15.1	14.2	12.7	12.3	12.2	156.2	98.0	133.7	99.3	52.6	32.3	22.4
82,5°	9.1	7.9	7.2	6.5	6.0	6.0	72.9	182.1	124.7	57.8	33.9	22.8	15.8
85,0°	3.6	3.4	3.0	2.8	2.5	2.4	16.0	80.6	55.7	23.3	17.7	12.9	9.3
87,5°	1.2	1.1	1.1	1.0	1.0	0.9	3.9	5.6	5.0	4.2	4.7	4.0	3.4
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

## Photometric test report

Family <b>DL® 50 mini LED</b>	Order number: <b>5XA248A21F08GE</b> EAN: <b>4058352802014</b>	LP number <b>59405_7</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

C-planes	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm											Luminous flux in lm/klm	
0,0°	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	0.2	0.2
2,5°	134.5	134.3	134.2	134.0	134.0	134.1	134.1	134.1	134.2	134.4	134.5	1.6	1.8
5,0°	132.7	132.3	131.9	131.5	131.2	131.1	130.9	130.9	130.9	131.0	131.0	3.3	5.1
7,5°	131.8	131.0	130.3	129.6	129.1	128.8	128.5	128.3	128.2	128.2	128.3	4.9	10.0
10,0°	131.5	130.3	129.1	128.1	127.2	126.2	125.5	124.9	124.5	124.3	124.2	6.6	16.6
12,5°	131.4	129.5	127.7	125.8	124.0	122.3	120.8	119.8	119.0	118.7	118.6	8.2	24.8
15,0°	130.7	128.0	125.0	122.1	119.1	116.5	114.1	112.4	111.0	110.3	110.3	9.9	34.7
17,5°	129.1	125.2	120.8	116.3	112.2	108.6	105.8	103.5	102.0	101.3	101.1	11.5	46.3
20,0°	126.3	120.5	114.3	108.8	104.0	100.2	97.3	95.4	94.0	93.5	93.3	13.1	59.4
22,5°	121.4	113.6	106.2	100.2	95.7	92.8	90.8	89.7	89.2	89.0	89.0	14.7	74.0
25,0°	114.9	105.5	98.0	92.9	89.8	88.3	87.6	87.5	87.6	87.6	87.6	16.2	90.2
27,5°	107.4	97.6	91.2	88.0	86.9	86.6	86.8	87.0	87.2	87.2	87.1	17.7	108.0
30,0°	100.1	91.3	87.0	86.1	85.9	86.1	86.8	87.2	87.6	87.4	87.3	19.4	127.4
32,5°	93.2	86.8	85.7	85.6	85.8	86.4	87.3	88.1	88.3	87.8	87.4	21.3	148.6
35,0°	88.3	85.3	85.4	85.5	85.8	86.7	87.6	88.4	88.5	87.8	87.3	23.2	171.8
37,5°	85.6	85.4	85.4	85.2	85.7	86.4	87.0	87.1	86.9	85.7	85.1	25.3	197.1
40,0°	85.4	86.0	85.2	84.9	84.9	84.8	84.7	84.1	83.3	82.0	81.3	27.4	224.5
42,5°	86.2	86.1	84.9	83.9	82.9	81.8	80.9	79.7	78.4	76.9	76.2	29.8	254.3
45,0°	87.3	85.8	83.7	81.4	79.3	77.3	75.5	73.8	72.6	71.4	70.7	32.4	286.7
47,5°	88.5	85.9	81.6	78.1	75.0	72.9	70.9	69.0	67.3	66.1	65.6	35.7	322.4
50,0°	90.2	87.4	78.8	73.8	70.7	68.5	66.4	64.6	63.1	61.9	61.3	39.7	362.0
52,5°	91.2	86.9	76.0	69.8	66.5	64.3	62.1	60.3	58.9	57.9	57.3	44.2	406.2
55,0°	88.2	84.9	73.7	66.0	62.3	59.8	57.7	56.0	54.9	53.9	53.5	49.2	455.4
57,5°	82.7	83.5	70.2	61.5	57.5	55.2	53.4	51.9	50.9	49.8	49.5	54.7	510.1
60,0°	74.5	79.5	66.2	57.4	53.0	50.5	48.9	47.5	46.4	45.2	44.7	59.6	569.7
62,5°	65.9	71.2	61.9	53.2	48.7	46.0	44.3	43.0	42.0	41.0	40.5	63.2	632.9
65,0°	58.6	60.2	56.3	48.6	44.4	41.7	40.1	39.6	37.7	36.7	36.1	65.9	698.8
67,5°	52.4	49.8	48.8	43.1	39.4	37.0	35.2	34.6	32.9	32.6	32.1	66.8	765.6
70,0°	45.6	41.6	41.6	37.7	34.3	32.0	30.5	29.9	28.1	27.9	27.7	66.4	832.0
72,5°	39.0	34.7	34.0	32.1	29.2	27.1	25.4	24.8	23.4	22.6	22.5	62.2	894.2
75,0°	32.3	28.3	27.2	26.3	24.5	22.5	20.7	19.9	18.8	18.0	18.0	48.3	942.4
77,5°	25.0	22.1	20.8	20.4	19.1	17.4	15.9	15.0	14.2	13.6	13.6	29.2	971.7
80,0°	18.8	16.3	15.2	15.1	14.1	12.6	11.4	10.8	10.0	9.9	9.8	15.8	987.5
82,5°	13.1	11.3	9.8	10.1	9.4	8.7	7.4	6.8	6.2	6.2	6.3	8.6	996.1
85,0°	7.9	6.7	5.7	5.5	5.4	5.1	4.4	4.0	3.5	3.5	3.4	3.2	999.3
87,5°	3.0	2.7	2.5	2.3	2.1	2.1	1.8	1.7	1.5	1.5	1.4	0.7	1000.0
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	1000.0

## Photometric test report

<b>Family</b> DL® 50 mini LED	<b>Order number: 5XA248A21F08GE</b> <b>EAN: 4058352802014</b>	<b>LP number</b> 59405_7
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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	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	4440	35.2	36.4	35.8
95	241	252	4213	33.0	34.3	33.6
90	229	250	4003	31.2	32.3	31.8
85	216	248	3776	29.2	30.3	29.8
80	203	246	3549	27.3	28.3	27.8
75	190	243	3321	25.4	26.3	25.8
70	178	241	3111	23.7	24.4	24.0
65	165	238	2884	21.8	22.6	22.2
60	152	235	2657	20.0	20.7	20.4
55	140	232	2447	18.4	19.0	18.7
50	127	229	2220	16.6	17.2	16.9
45	114	225	1993	15.0	15.4	15.2
40	102	221	1783	13.4	13.9	13.6
35	89	216	1556	11.8	12.2	12.0
30	76	210	1329	10.2	10.5	10.4
25	63	203	1101	8.7	9.0	8.8
20	51	195	891	7.3	7.5	7.4
15	38	184	664	5.8	6.0	5.9
11	27	172	472	4.6	4.6	4.6