
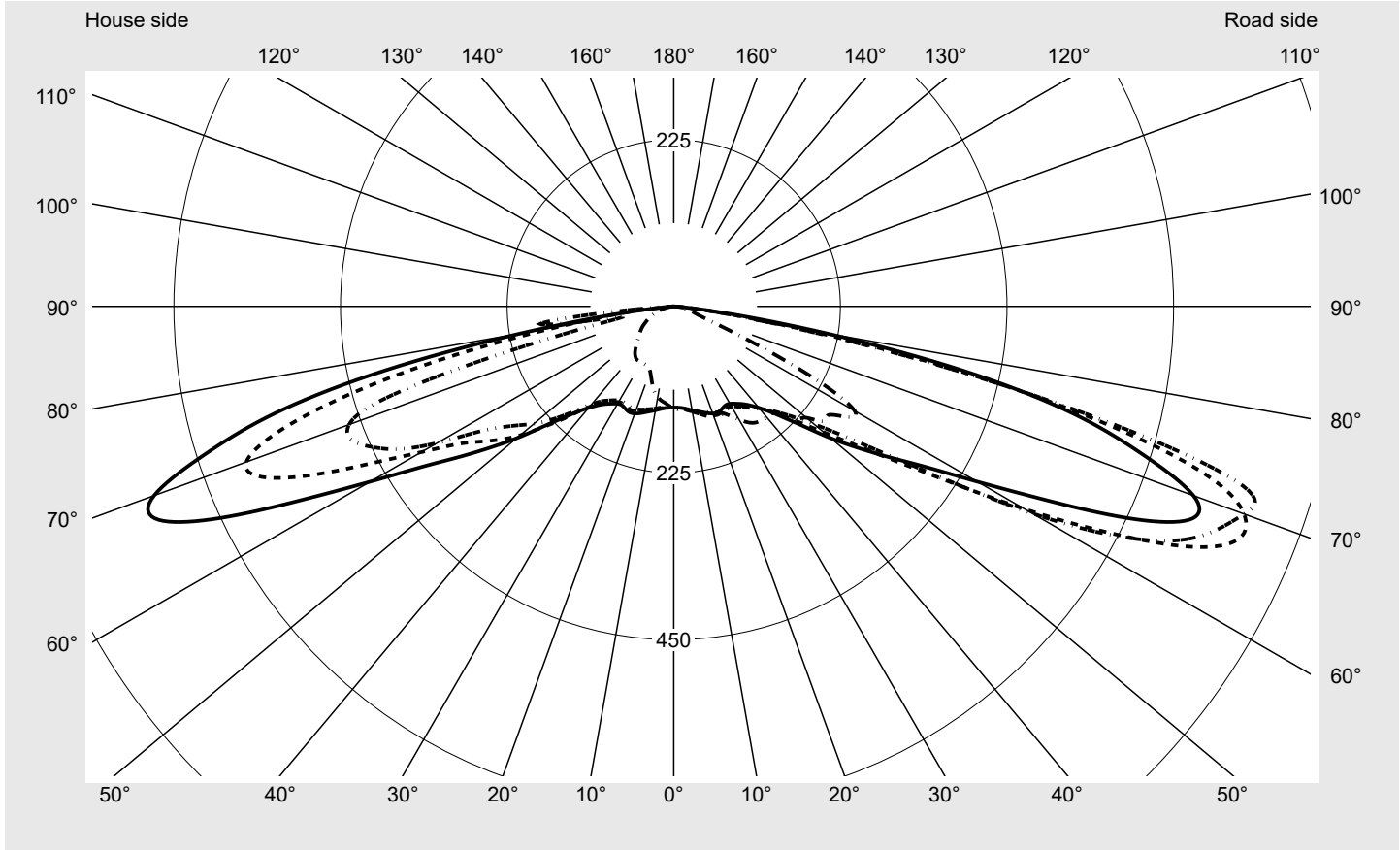


Photometric test report

Family DL® 50 mini LED	Order number: 5XA248A41F08FE EAN: 4058352802076	LP number 59405_64
	Version post-top or side-entry mounting Optic asymmetric, extremely wide distribution (P1.0a) Cover toughened safety glass Lamps LED 4000 K CRI ≥ 70 Controlgear ECG SITECO iQ Rated values Net luminous flux = 2610 lm Power consumption = 15.7 W Luminous efficacy = 166.2 lm/W	serial documentation 16.05.2023



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

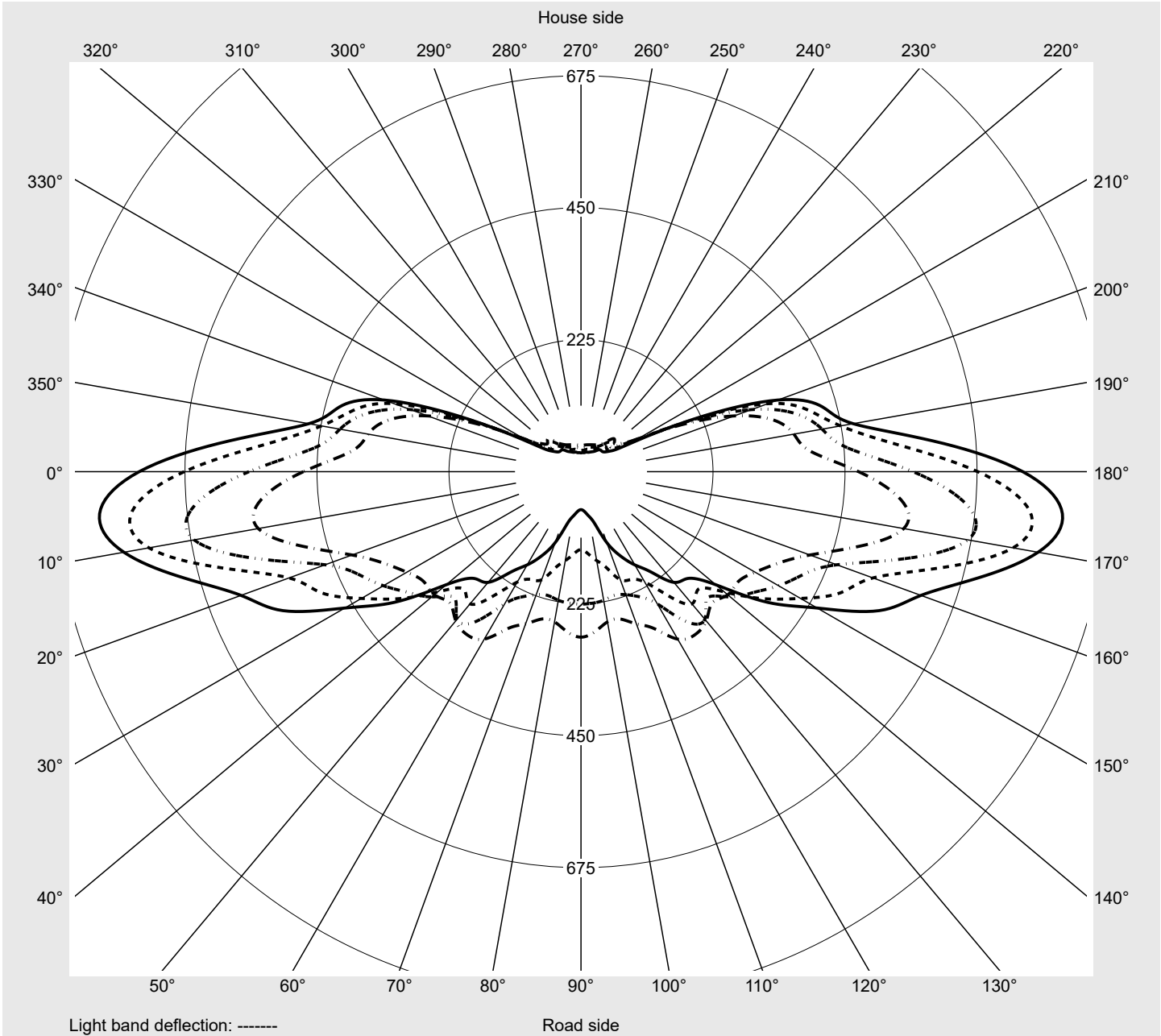
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family DL® 50 mini LED	Order number: 5XA248A41F08FE EAN: 4058352802076	LP number 59405_64
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Envelope curve in cd/klm **KMK 67.5°** **KMK 65°** **KMK 62.5°** **KMK 60°** **siteco**



Photometric test report

Family DL® 50 mini LED	Order number: 5XA248A41F08FE EAN: 4058352802076	LP number 59405_64
Table of values for luminous intensities		Maximum luminous intensity
siteco		

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

Family DL® 50 mini LED	Order number: 5XA248A41F08FE EAN: 4058352802076	LP number 59405_64
Table of values for luminous intensities		Maximum luminous intensity

siteco

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 DL® 50 mini LED	Order number: 5XA248A41F08FE EAN: 4058352802076	LP number 59405_64
Table of values for luminous intensities		Maximum luminous intensity
		siteco

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
γ	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

Family DL® 50 mini LED	Order number: 5XA248A41F08FE EAN: 4058352802076	LP number 59405_64
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Dimming levels table	environmental temperature: 25°C	siteco
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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	2610	15.7	16.1	15.9
95	241	252	2476	14.8	15.3	15.0
90	229	250	2353	14.1	14.5	14.3
85	216	248	2220	13.3	13.7	13.5
80	203	246	2086	12.5	12.9	12.7
75	190	243	1952	11.7	12.0	11.8
70	178	241	1829	11.0	11.3	11.2
65	165	238	1695	10.2	10.5	10.4
60	152	235	1562	9.5	9.7	9.6
55	140	232	1439	8.8	9.0	8.9
50	127	229	1305	8.1	8.3	8.2
45	114	225	1171	7.4	7.5	7.4
40	102	221	1048	6.7	6.8	6.8
35	89	216	915	6.0	6.1	6.0
30	76	210	781	5.3	5.5	5.4
25	63	203	647	4.7	4.7	4.7
21	54	197	555	4.2	4.3	4.2