

Photometric test report

Family
DL® 50 mini LED

Order number: 5XA248V41F08GE
EAN: 4058352803912

LP number
59397_10



Version wire mounting
Optic direct, symmetric wide distribution
 S080001
Cover toughened safety glass
Lamps LED 4000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 5190 lm
 Power consumption = 31.2 W
 Luminous efficacy = 166.3 lm/W

serial
documentation
03.04.2023

siteco

Luminous intensity in cd/klm

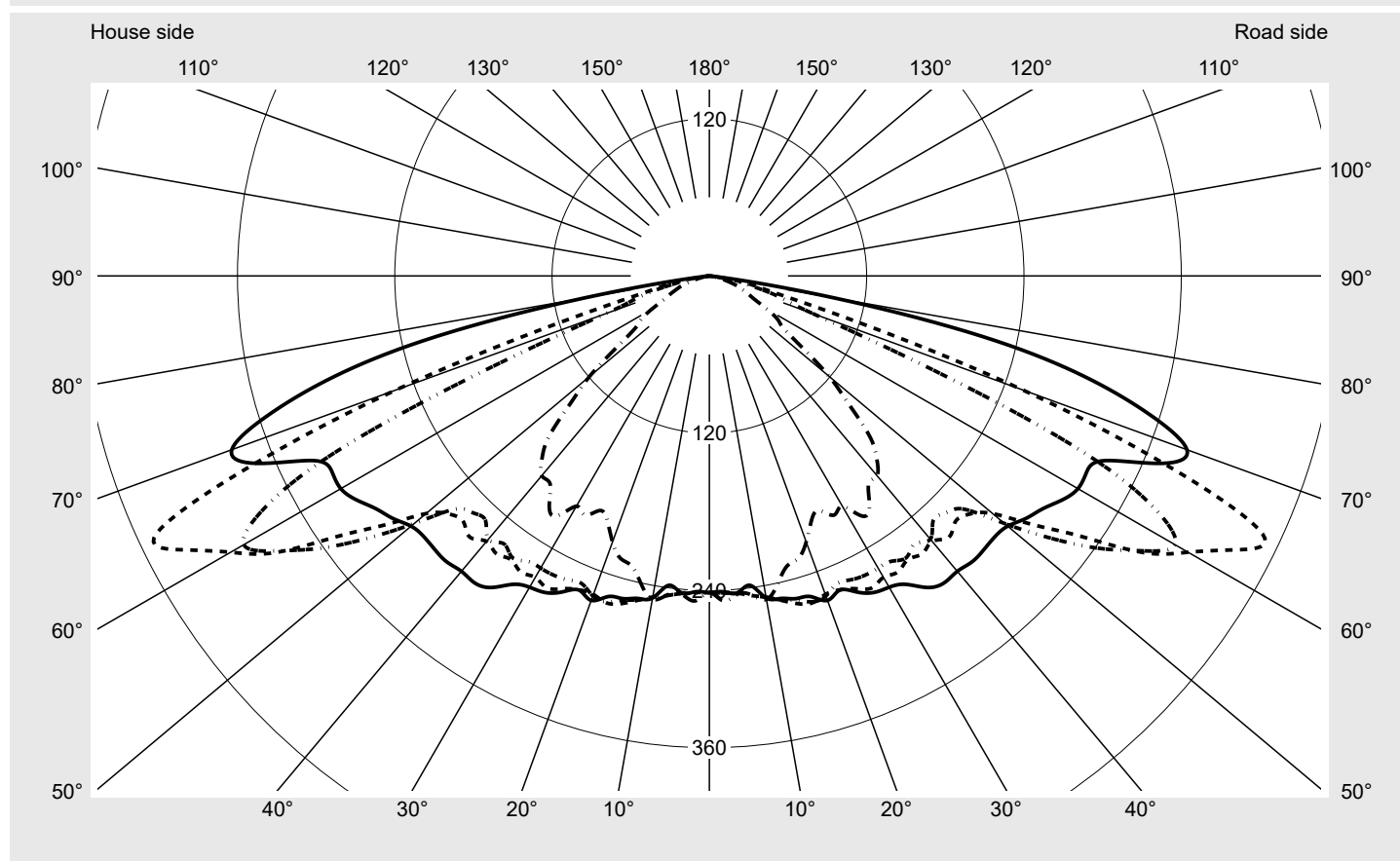
C180-0

C205-25

C210-30

C270-90

Imax: 466 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°	442.5
Imax 80°	96.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions

DIN EN 13032 and DIN 5032

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Order number: **5XA248V41F08GE**
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Envelope curve in cd/klm

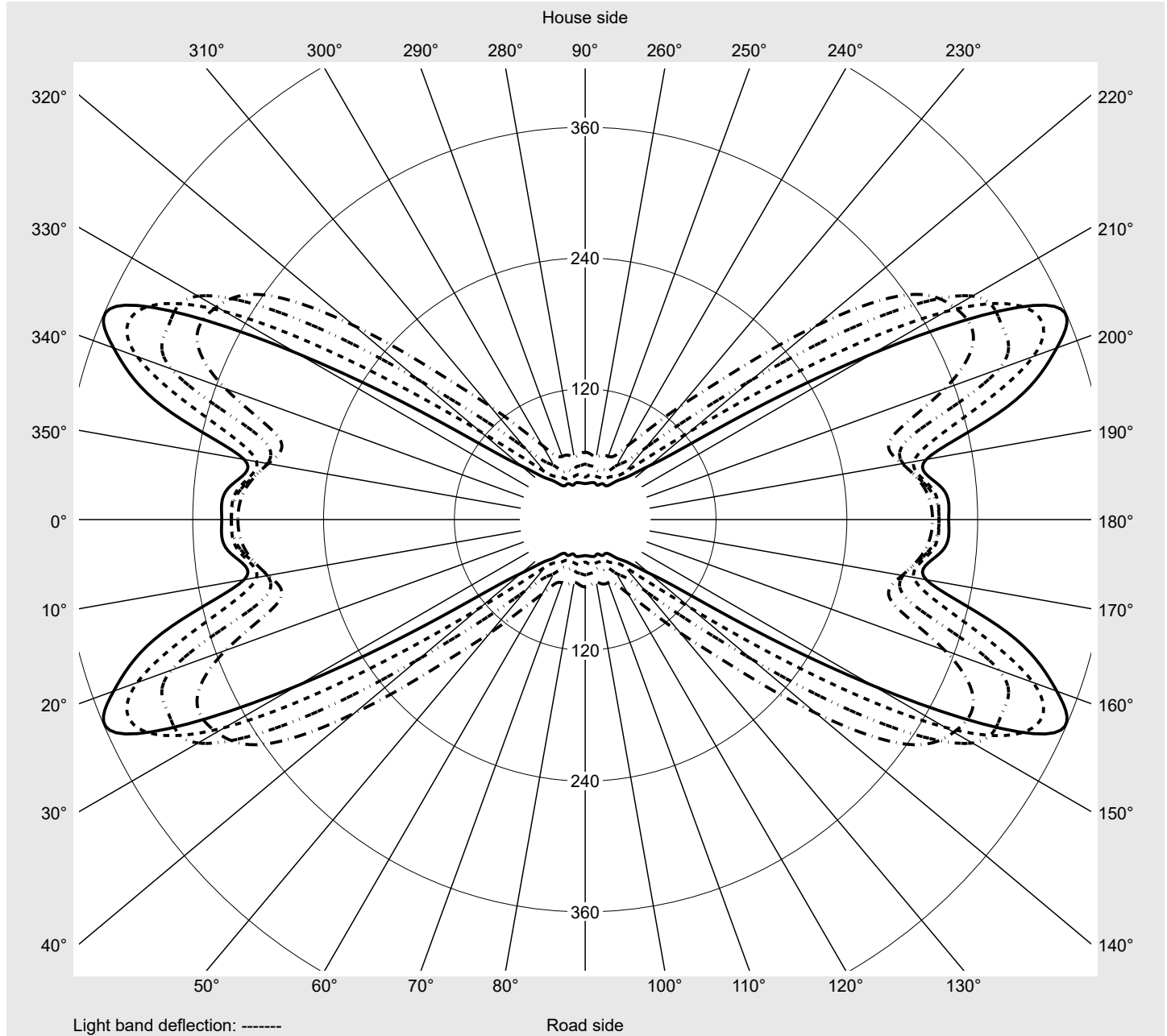
KMK 65°

KMK 62,5°

KMK 60°

KMK 57,5°

siteco



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Family DL® 50 mini LED	Order number: 5XA248V41F08GE EAN: 4058352803912	LP number 59397_10
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°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6
2,5°	241.2	241.1	240.8	242.5	241.9	241.7	242.2	243.7	244.6	244.6	245.9	244.8	246.3
5,0°	242.8	243.5	243.5	243.6	244.4	242.9	243.3	243.7	242.7	241.3	240.8	239.4	242.2
7,5°	238.1	241.5	243.8	244.8	248.4	246.0	245.9	244.9	245.5	244.8	241.7	245.5	246.9
10,0°	249.5	248.4	250.1	247.4	250.3	248.8	249.1	246.5	245.8	247.1	246.4	244.6	243.4
12,5°	252.1	255.3	255.2	253.1	253.2	253.6	253.2	254.8	257.0	257.2	252.3	246.4	244.3
15,0°	254.9	252.2	252.9	256.6	257.3	258.8	256.3	256.5	253.3	249.0	245.8	242.3	240.2
17,5°	256.6	254.4	257.8	262.8	262.4	261.5	260.8	252.4	248.2	245.7	244.3	234.9	234.4
20,0°	263.5	259.6	259.8	262.9	258.6	258.6	259.9	253.4	249.0	242.8	235.3	229.1	228.7
22,5°	259.6	265.4	266.3	270.8	266.6	259.3	254.2	252.9	248.2	240.5	232.0	228.8	222.0
25,0°	266.1	265.6	266.0	273.9	270.4	263.3	255.8	254.2	247.3	235.1	228.1	218.4	216.8
27,5°	272.3	270.3	274.3	276.4	274.1	268.4	257.4	249.0	240.3	236.6	223.0	218.7	218.2
30,0°	274.3	276.3	274.7	282.2	272.9	265.7	257.4	249.7	237.6	223.0	218.6	222.0	224.8
32,5°	279.1	285.8	282.4	280.8	281.9	267.8	258.2	247.3	233.5	226.8	228.8	232.6	233.7
35,0°	290.3	287.4	285.4	283.4	277.2	264.1	262.2	245.0	233.4	234.6	241.4	244.5	240.2
37,5°	294.9	294.0	287.3	285.9	280.9	267.1	257.6	245.8	242.3	249.7	256.4	254.6	247.1
40,0°	294.3	293.1	290.2	282.7	276.0	264.4	262.3	241.4	249.3	272.3	267.4	266.7	256.9
42,5°	296.2	293.5	290.6	284.0	276.9	270.4	252.9	247.0	267.5	290.3	283.1	270.2	258.2
45,0°	295.8	290.3	294.5	286.0	272.9	265.3	255.5	267.9	291.8	305.0	291.0	268.1	249.1
47,5°	295.0	292.6	292.3	282.5	272.5	269.0	263.4	291.0	314.5	315.2	288.5	252.7	225.7
50,0°	297.1	294.1	292.8	281.3	275.1	282.1	293.8	319.9	330.3	310.0	272.2	233.8	196.6
52,5°	304.1	305.1	291.7	276.2	281.1	312.1	328.9	347.0	330.8	289.8	246.6	198.1	157.6
55,0°	310.1	307.1	295.6	282.4	308.8	346.7	362.2	357.9	313.0	259.8	196.1	148.4	119.6
57,5°	318.6	313.3	295.2	291.2	351.0	393.0	390.4	359.4	276.7	189.0	135.9	100.1	78.7
60,0°	324.7	317.2	296.1	316.7	404.0	421.7	410.2	318.5	199.2	125.8	85.1	65.2	57.1
62,5°	324.4	319.8	306.1	358.3	437.3	452.6	381.6	231.6	126.1	79.6	56.8	48.4	45.3
65,0°	333.4	328.8	317.7	401.2	460.3	465.6	304.9	133.7	76.8	55.9	46.9	38.8	36.2
67,5°	373.8	358.7	357.8	443.3	463.4	378.1	169.4	74.3	53.7	46.6	40.0	32.3	30.7
70,0°	387.7	355.9	381.1	442.5	410.6	254.5	84.1	56.6	44.6	38.2	32.4	29.1	27.5
72,5°	352.6	313.3	374.2	387.2	312.4	127.0	60.6	45.2	34.7	31.0	27.0	22.4	21.2
75,0°	295.8	254.0	298.3	269.9	189.5	58.5	44.3	33.1	23.8	23.3	20.4	17.3	15.0
77,5°	213.1	166.1	166.9	135.4	86.6	37.0	26.6	19.3	16.2	16.9	14.8	13.2	12.8
80,0°	96.9	65.3	52.3	44.1	34.0	21.5	14.3	10.7	10.7	10.0	9.3	8.0	7.9
82,5°	18.6	14.2	11.4	7.8	7.3	5.9	4.4	4.3	4.9	5.0	4.9	4.0	4.1
85,0°	1.2	1.1	1.2	1.2	1.1	1.2	1.2	1.3	1.4	1.7	1.5	1.4	1.1
87,5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
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

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Family DL® 50 mini LED		Order number: 5XA248V41F08GE EAN: 4058352803912										LP number 59397_10	
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°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6
2,5°	245.8	247.0	246.8	247.4	246.5	248.2	241.1	240.8	242.5	241.9	241.7	242.2	243.7
5,0°	244.4	244.1	243.7	243.4	243.7	243.8	243.5	243.5	243.6	244.4	242.9	243.3	243.7
7,5°	246.6	247.7	246.9	245.7	247.0	245.5	241.5	243.8	244.8	248.4	246.0	245.9	244.9
10,0°	245.6	248.3	247.7	247.9	246.2	250.6	248.4	250.1	247.4	250.3	248.8	249.1	246.5
12,5°	243.9	244.4	242.6	238.4	240.2	240.7	255.3	255.2	253.1	253.2	253.6	253.2	254.8
15,0°	238.2	232.0	230.8	232.5	229.9	229.1	252.2	252.9	256.6	257.3	258.8	256.3	256.5
17,5°	231.3	225.1	223.8	224.2	226.4	225.9	254.4	257.8	262.8	262.4	261.5	260.8	252.4
20,0°	227.0	220.6	219.2	215.6	213.7	216.0	259.6	259.8	262.9	258.6	258.6	259.9	253.4
22,5°	218.8	212.2	207.8	207.9	206.6	202.9	265.4	266.3	270.8	266.6	259.3	254.2	252.9
25,0°	212.1	207.5	204.6	199.8	202.4	197.5	265.6	266.0	273.9	270.4	263.3	255.8	254.2
27,5°	211.2	212.3	210.7	211.8	207.1	205.8	270.3	274.3	276.4	274.1	268.4	257.4	249.0
30,0°	219.8	217.5	214.8	212.9	212.7	202.9	276.3	274.7	282.2	272.9	265.7	257.4	249.7
32,5°	229.5	224.0	219.5	217.8	213.2	217.3	285.8	282.4	280.8	281.9	267.8	258.2	247.3
35,0°	235.7	227.9	220.7	218.2	210.1	212.9	287.4	285.4	283.4	277.2	264.1	262.2	245.0
37,5°	237.8	229.2	218.5	211.9	208.8	199.7	294.0	287.3	285.9	280.9	267.1	257.6	245.8
40,0°	240.5	229.5	218.1	209.6	206.1	198.9	293.1	290.2	282.7	276.0	264.4	262.3	241.4
42,5°	238.5	224.4	210.4	205.3	196.4	189.0	293.5	290.6	284.0	276.9	270.4	252.9	247.0
45,0°	224.0	203.5	188.9	176.3	169.8	172.8	290.3	294.5	286.0	272.9	265.3	255.5	267.9
47,5°	198.1	177.6	164.7	153.5	143.3	143.4	292.6	292.3	282.5	272.5	269.0	263.4	291.0
50,0°	166.6	147.6	134.5	124.1	119.1	119.4	294.1	292.9	281.3	275.1	282.1	293.8	319.9
52,5°	132.7	117.0	103.6	95.9	88.3	87.7	305.1	291.7	276.2	281.1	312.1	328.9	347.0
55,0°	94.7	83.7	76.4	73.6	70.1	68.4	307.1	295.6	282.4	308.8	346.7	362.2	357.9
57,5°	64.8	61.9	61.2	58.4	60.1	61.8	313.3	295.2	291.2	351.0	393.0	390.4	359.4
60,0°	48.7	48.8	46.1	48.8	49.7	50.8	317.2	296.1	316.7	404.0	421.7	410.2	318.5
62,5°	41.2	40.9	40.8	41.7	41.1	39.0	319.8	306.1	358.3	437.3	452.6	381.6	231.6
65,0°	36.4	33.5	34.6	34.4	33.6	33.1	328.8	317.7	401.2	460.3	465.6	304.9	133.7
67,5°	32.2	30.0	28.9	29.5	27.9	27.6	358.7	357.8	443.3	463.4	378.1	169.4	74.3
70,0°	27.5	26.3	24.9	24.6	22.4	23.1	355.9	381.1	442.5	410.6	254.5	84.1	56.6
72,5°	20.6	20.3	19.8	18.7	18.1	17.2	313.3	374.2	387.2	312.4	127.0	60.6	45.2
75,0°	15.2	13.2	12.7	12.5	12.0	12.0	254.0	298.3	269.9	189.5	58.5	44.3	33.1
77,5°	11.0	8.8	7.7	7.4	7.1	7.0	166.1	166.9	135.4	86.6	37.0	26.6	19.3
80,0°	6.9	6.4	5.1	4.3	4.4	4.3	65.3	52.3	44.1	34.0	21.5	14.3	10.7
82,5°	3.5	3.5	2.6	2.3	2.1	2.1	14.2	11.4	7.8	7.3	5.9	4.4	4.3
85,0°	1.3	1.1	0.8	0.8	0.7	0.8	1.1	1.2	1.2	1.1	1.2	1.2	1.3
87,5°	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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: 5XA248V41F08GE EAN: 4058352803912								LP number 59397_10	
Table of values for luminous intensities										Maximum luminous intensity		sīTeco	
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°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	0.4	0.4
2,5°	244.6	244.6	245.9	244.8	246.3	245.8	247.0	246.8	247.4	246.5	248.2	2.9	3.3
5,0°	242.7	241.3	240.8	239.4	242.2	244.4	244.1	243.7	243.4	243.7	243.8	5.8	9.1
7,5°	245.5	244.8	241.7	245.5	246.9	246.6	247.7	246.9	245.7	247.0	245.5	8.8	17.9
10,0°	245.8	247.1	246.4	244.6	243.4	245.6	248.3	247.7	247.9	246.2	250.6	11.8	29.6
12,5°	257.0	257.2	252.3	246.4	244.3	243.9	244.4	242.6	238.4	240.2	240.7	14.8	44.4
15,0°	253.3	249.0	245.8	242.3	240.2	238.2	232.0	230.8	232.5	229.9	229.1	17.4	61.9
17,5°	248.2	245.7	244.3	234.9	234.4	231.3	225.1	223.8	224.2	226.4	225.9	20.1	82.0
20,0°	249.0	242.8	235.3	229.1	228.7	227.0	220.6	219.2	215.6	213.7	216.0	22.6	104.6
22,5°	248.2	240.5	232.0	228.8	222.0	218.8	212.2	207.8	207.9	206.6	202.9	25.0	129.6
25,0°	247.3	235.1	228.1	218.4	216.8	212.1	207.5	204.6	199.8	202.4	197.5	27.4	157.0
27,5°	240.3	236.6	223.0	218.7	218.2	211.2	212.3	210.7	211.8	207.1	205.8	30.2	187.2
30,0°	237.6	223.0	218.6	222.0	224.8	219.8	217.5	214.8	212.9	212.7	202.9	32.9	220.1
32,5°	233.5	226.8	228.8	232.6	233.7	229.5	224.0	219.5	217.8	213.2	217.3	36.1	256.2
35,0°	233.4	234.6	241.4	244.5	240.2	235.7	227.9	220.7	218.2	210.1	212.9	39.0	295.2
37,5°	242.3	249.7	256.4	254.6	247.1	237.8	229.2	218.5	211.9	208.8	199.7	41.9	337.1
40,0°	249.3	272.3	267.4	266.7	256.9	240.5	229.5	218.1	209.6	206.1	198.9	44.8	381.9
42,5°	267.5	290.3	283.1	270.2	258.2	238.5	224.4	210.4	205.3	196.4	189.0	47.4	429.2
45,0°	291.8	305.0	291.0	268.1	249.1	224.0	203.5	188.9	176.3	169.8	172.8	48.8	478.1
47,5°	314.5	315.2	288.5	252.7	225.7	198.1	177.6	164.7	153.5	143.3	143.4	49.6	527.7
50,0°	330.3	310.0	272.2	233.8	196.6	166.6	147.6	134.5	124.1	119.1	119.4	50.0	577.6
52,5°	330.8	289.8	246.6	198.1	157.6	132.7	117.0	103.6	95.9	88.3	87.7	49.5	627.1
55,0°	313.0	259.8	196.1	148.4	119.6	94.7	83.7	76.4	73.6	70.1	68.4	48.5	675.6
57,5°	276.7	189.0	135.9	100.1	78.7	64.8	61.9	61.2	58.4	60.1	61.8	47.1	722.8
60,0°	199.2	125.8	85.1	65.2	57.1	48.7	48.8	46.1	48.8	49.7	50.8	45.5	768.2
62,5°	126.1	79.6	56.8	48.4	45.3	41.2	40.9	40.8	41.7	41.1	39.0	43.6	811.9
65,0°	76.8	55.9	46.9	38.8	36.2	36.4	33.5	34.6	34.4	33.6	33.1	41.7	853.6
67,5°	53.7	46.6	40.0	32.3	30.7	32.2	30.0	28.9	29.5	27.9	27.6	39.4	892.9
70,0°	44.6	38.2	32.4	29.1	27.5	27.5	26.3	24.9	24.6	22.4	23.1	35.6	928.5
72,5°	34.7	31.0	27.0	22.4	21.2	20.6	20.3	19.8	18.7	18.1	17.2	29.6	958.2
75,0°	23.8	23.3	20.4	17.3	15.0	15.2	13.2	12.7	12.5	12.0	12.0	21.6	979.7
77,5°	16.2	16.9	14.8	13.2	12.8	11.0	8.8	7.7	7.4	7.1	7.0	12.8	992.6
80,0°	10.7	10.0	9.3	8.0	7.9	6.9	6.4	5.1	4.3	4.4	4.3	5.5	998.1
82,5°	4.9	5.0	4.9	4.0	4.1	3.5	3.5	2.6	2.3	2.1	2.1	1.5	999.6
85,0°	1.4	1.7	1.5	1.4	1.1	1.3	1.1	0.8	0.8	0.7	0.8	0.3	999.9
87,5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	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: 5XA248V41F08GE EAN: 4058352803912	LP number 59397_10
Dimming levels table environmental temperature: 25°C		

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]start of lifetime	Power consumption [W]end of lifetime	Power consumption [W]average
100	254	254	5190	31.2	32.2	31.7
95	241	252	4924	29.5	30.4	30.0
90	229	250	4679	27.9	28.7	28.3
85	216	248	4414	26.1	26.9	26.5
80	203	246	4148	24.3	25.2	24.8
75	190	243	3882	22.7	23.4	23.0
70	178	241	3637	21.2	21.9	21.5
65	165	238	3371	19.6	20.2	19.9
60	152	235	3106	18.0	18.6	18.3
55	140	232	2861	16.6	17.0	16.8
50	127	229	2595	15.1	15.5	15.3
45	114	225	2329	13.6	14.0	13.8
40	102	221	2084	12.2	12.6	12.4
35	89	216	1819	10.8	11.1	11.0
30	76	210	1553	9.3	9.6	9.4
25	63	203	1287	7.9	8.1	8.0
20	51	195	1042	6.8	6.9	6.8
15	38	184	776	5.5	5.6	5.6
11	29	175	593	4.5	4.6	4.6