
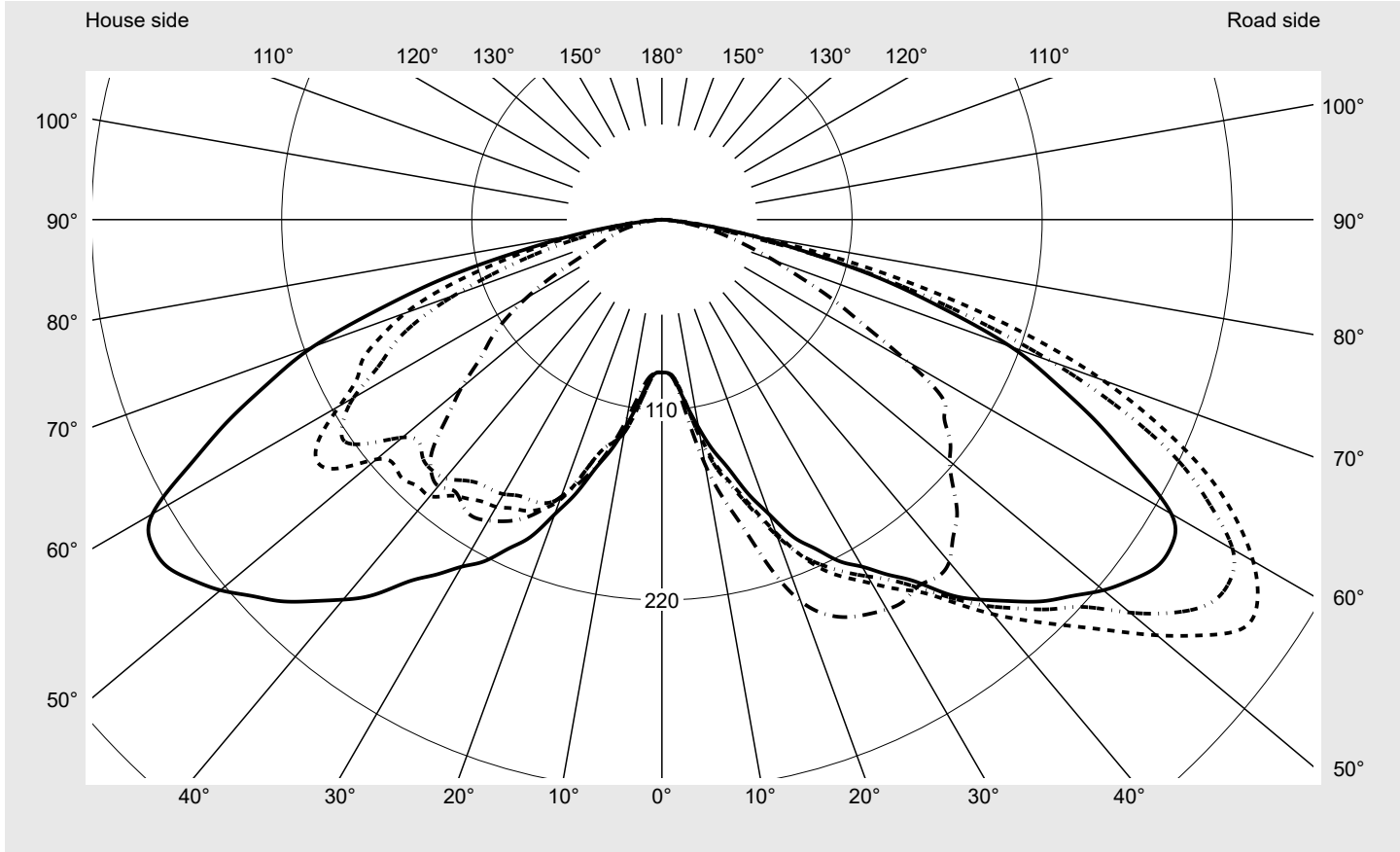


Photometric test report

Family DL® 20 LED	Order number: 5XA512832A008P EAN: 4058352546338	LP number 59487_25
	Version post-top mounting Optic asymmetric, wide distribution (ST1.2a) Cover toughened safety glass Lamps LED 2200 K CRI ≥ 70 Controlgear ECG Plus Rated values Net luminous flux = 4200 lm Power consumption = 43.6 W Luminous efficacy = 96.3 lm/W	serial documentation 07.12.2023



Luminous intensity in cd/klm C180-0 C205-25 C210-30 C270-90 **Imax: 411 cd/klm**



Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

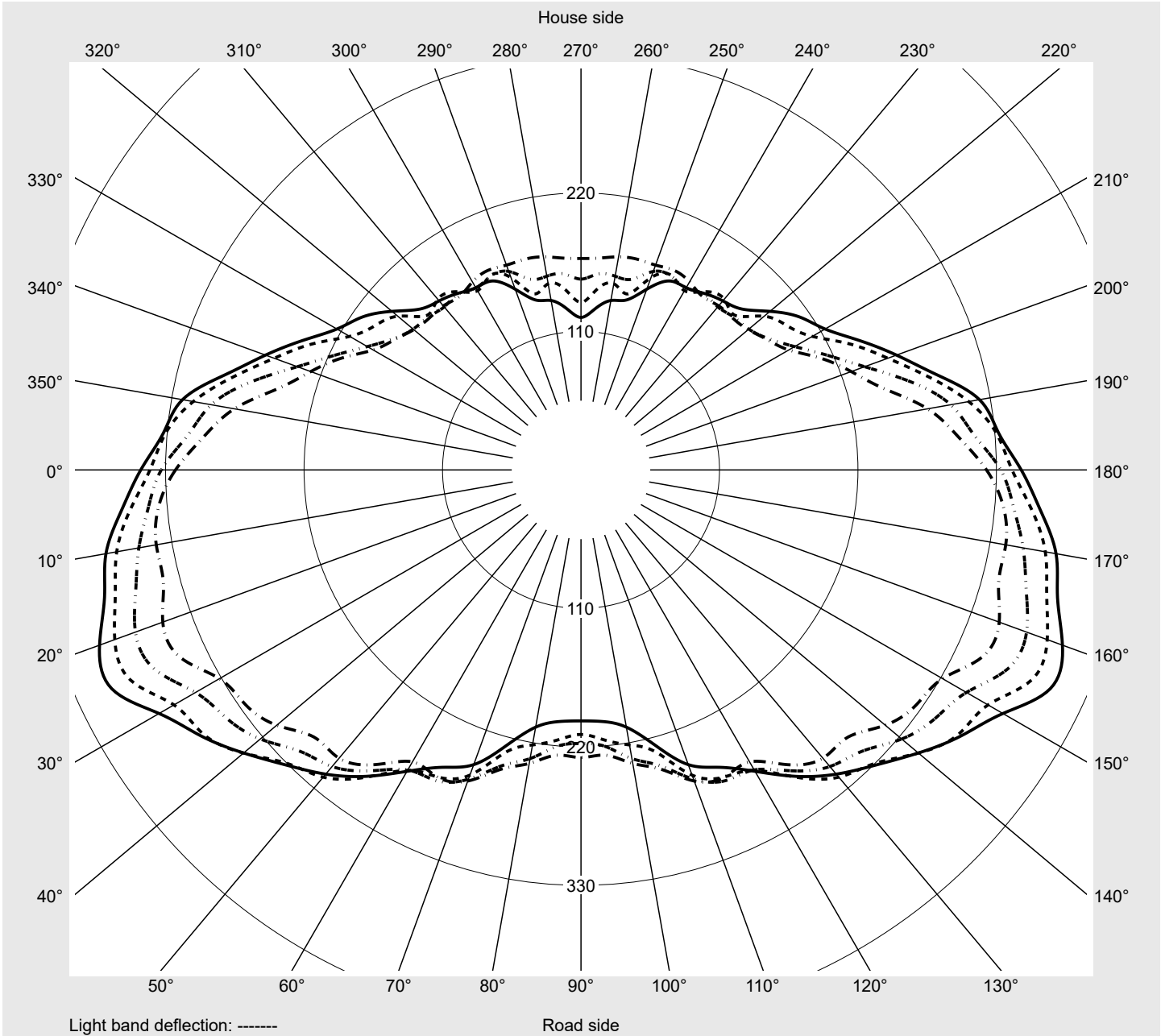
Luminous intensity class acc. to EN13201-2	
Class:	G6
Imax 70°	272.5
Imax 80°	53.2
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family DL® 20 LED	Order number: 5XA512832A008P EAN: 4058352546338	LP number 59487_25
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Envelope curve in cd/klm **KMK 55°** **KMK 52,5°** **KMK 50°** **KMK 47,5°** **siteco**



Photometric test report

Family DL® 20 LED	Order number: 5XA512832A008P EAN: 4058352546338	LP number 59487_25
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°	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
2,5°	89.1	88.8	88.7	88.8	88.8	88.8	89.0	89.0	88.9	89.0	89.1	89.2	89.2
5,0°	95.0	95.0	94.4	94.2	94.0	93.8	93.8	93.9	94.0	94.2	94.4	94.7	95.0
7,5°	107.9	107.4	106.9	107.2	107.3	107.3	108.0	108.7	109.4	110.4	111.2	112.2	113.4
10,0°	122.1	122.9	123.4	124.9	125.9	126.9	128.8	129.7	130.6	132.5	133.3	134.4	136.6
12,5°	136.6	137.9	140.2	142.4	143.9	145.6	147.8	148.0	148.8	150.6	150.3	151.3	153.8
15,0°	149.2	151.9	154.9	157.0	157.6	159.3	161.5	161.8	163.4	166.0	166.0	167.2	170.6
17,5°	166.4	168.4	171.4	172.3	172.7	174.8	177.1	179.2	183.1	187.2	189.2	191.7	195.8
20,0°	181.4	185.4	188.4	189.2	190.3	192.7	194.5	196.9	200.8	203.5	206.5	209.8	213.8
22,5°	198.6	202.0	205.4	206.2	208.6	210.1	209.8	210.1	211.3	211.7	215.4	219.4	223.3
25,0°	209.9	214.8	217.9	219.7	223.8	224.1	220.7	219.6	218.7	217.8	221.6	226.1	230.2
27,5°	222.8	227.4	229.3	230.9	235.0	233.7	229.8	228.3	225.1	225.2	228.7	232.4	236.4
30,0°	231.8	237.9	239.9	240.8	243.6	243.0	238.2	235.4	233.0	231.6	236.0	239.0	242.0
32,5°	243.5	250.4	252.6	251.0	253.2	253.3	247.2	244.2	243.2	239.9	241.4	243.5	247.4
35,0°	255.5	265.0	265.7	263.7	263.4	263.4	260.3	256.0	255.8	250.0	249.8	250.7	250.1
37,5°	273.4	285.9	282.5	279.6	280.8	279.7	275.9	272.9	267.3	263.8	261.5	258.5	255.2
40,0°	286.9	301.4	304.8	299.5	300.3	297.8	291.5	288.8	281.6	272.6	267.6	264.3	260.5
42,5°	299.3	315.0	322.9	317.0	321.4	314.8	305.0	301.1	293.2	283.4	277.4	272.3	261.8
45,0°	312.1	322.8	330.4	331.6	333.3	332.1	318.6	307.2	298.2	289.6	283.1	273.2	261.4
47,5°	322.1	336.9	342.6	343.5	353.5	351.7	331.6	325.2	315.5	300.1	299.0	285.8	267.8
50,0°	333.4	345.0	356.7	366.1	376.7	374.0	353.5	343.8	332.6	316.0	307.6	291.8	275.2
52,5°	342.4	359.3	374.5	383.0	394.1	394.9	373.3	366.1	349.9	329.8	318.6	298.0	275.5
55,0°	349.7	366.3	383.2	391.9	407.0	411.3	387.0	368.5	349.8	331.5	315.5	297.1	276.5
57,5°	349.9	363.2	378.2	392.7	410.1	408.7	389.4	364.3	344.6	322.1	301.2	279.9	269.2
60,0°	340.4	354.4	369.2	386.1	402.5	395.0	381.3	354.5	330.9	303.2	275.1	253.3	247.9
62,5°	308.5	331.8	352.4	366.5	381.2	374.3	357.7	326.0	303.9	273.2	249.2	235.2	226.2
65,0°	278.1	300.7	316.7	333.1	343.1	347.8	329.5	296.4	276.9	248.5	224.6	215.0	195.2
67,5°	245.9	260.8	278.7	298.7	308.0	312.3	288.5	263.1	247.3	212.8	192.2	177.8	155.7
70,0°	214.7	218.9	232.0	256.8	272.5	271.5	240.0	222.3	211.1	170.2	150.1	136.7	118.2
72,5°	170.3	180.3	189.5	209.5	223.5	221.7	186.3	173.9	161.8	132.2	115.0	99.9	87.6
75,0°	129.4	136.2	139.7	150.5	162.7	164.5	134.2	124.1	119.8	94.3	76.8	68.9	63.7
77,5°	84.1	91.7	89.7	93.7	104.1	107.1	80.8	75.0	77.3	55.3	46.0	41.3	40.1
80,0°	51.7	51.9	48.0	46.2	49.9	53.2	33.9	36.4	41.0	24.0	23.0	22.8	23.5
82,5°	23.2	23.6	22.2	20.6	22.4	25.5	13.7	16.2	19.6	10.1	10.0	10.6	11.6
85,0°	6.0	6.0	6.0	6.0	7.3	10.7	5.4	7.3	9.1	4.5	4.3	4.4	4.7
87,5°	2.0	2.0	2.0	1.9	1.9	2.4	1.8	1.7	1.7	1.6	1.6	1.5	1.6
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® 20 LED	Order number: 5XA512832A008P EAN: 4058352546338	LP number 59487_25
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°	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
2,5°	89.3	89.3	89.4	89.4	89.3	89.2	88.9	88.9	89.1	89.0	89.1	89.2	89.1
5,0°	95.3	95.5	95.9	96.0	96.0	96.2	95.9	96.3	96.8	97.0	97.1	97.1	97.0
7,5°	114.1	114.8	115.9	116.2	116.5	116.9	108.5	109.1	109.9	110.3	110.7	111.0	111.0
10,0°	137.6	139.1	141.4	141.9	142.8	143.8	122.7	123.4	124.3	124.4	124.8	125.0	124.9
12,5°	154.6	156.8	160.6	161.9	163.9	165.6	135.1	134.1	134.2	133.1	132.3	132.2	132.0
15,0°	171.6	174.9	179.5	181.2	183.7	186.1	147.0	144.2	142.8	141.2	139.7	139.6	139.1
17,5°	197.6	201.3	206.8	208.7	210.9	213.3	163.3	160.1	158.5	157.4	156.2	155.7	154.2
20,0°	217.8	222.9	228.2	230.9	233.2	234.9	180.7	177.8	175.7	174.5	172.5	170.9	168.2
22,5°	229.6	235.6	240.4	244.8	246.9	247.0	195.8	192.5	188.2	185.5	181.1	177.5	174.5
25,0°	237.2	243.2	246.8	252.2	254.6	253.6	208.5	203.2	196.4	192.4	185.8	179.1	176.3
27,5°	243.6	249.3	251.5	257.0	259.0	257.3	219.9	212.2	204.1	197.0	188.2	180.0	177.5
30,0°	248.1	251.6	253.3	258.6	261.3	260.3	229.3	219.8	210.1	200.7	191.8	183.3	179.4
32,5°	250.8	253.5	256.5	260.6	261.5	261.3	238.2	230.6	217.0	205.1	193.4	184.8	178.6
35,0°	251.6	255.3	258.9	260.7	259.9	258.7	248.7	239.2	223.2	209.3	196.9	185.9	180.1
37,5°	255.6	257.3	260.4	261.7	259.4	260.9	260.3	247.0	231.5	217.8	201.3	190.0	182.0
40,0°	262.6	262.4	261.7	260.2	260.1	258.5	274.1	257.4	239.5	223.2	208.8	195.3	186.1
42,5°	267.2	267.0	258.6	253.4	249.5	249.3	283.3	267.7	246.0	225.6	209.2	196.7	189.5
45,0°	266.6	267.0	254.6	243.7	238.6	241.5	295.2	268.4	246.4	227.0	212.1	195.5	185.0
47,5°	269.3	263.0	246.2	236.8	227.5	228.5	301.0	279.6	249.3	228.5	210.0	190.6	180.6
50,0°	272.3	261.4	243.3	232.9	220.5	217.4	313.7	298.2	270.9	239.8	215.7	196.0	181.8
52,5°	269.2	258.0	232.4	221.8	215.4	210.1	331.4	312.8	285.8	259.4	236.4	212.2	199.8
55,0°	260.7	249.2	226.1	207.5	200.7	199.4	333.1	321.4	292.5	266.7	243.6	223.9	211.9
57,5°	248.6	231.5	221.9	193.0	182.3	192.8	324.6	302.6	280.6	258.2	234.8	218.9	207.6
60,0°	233.2	208.6	194.3	174.6	161.0	163.9	308.1	283.8	270.6	239.5	215.3	206.0	191.9
62,5°	211.0	184.4	158.7	148.5	139.5	131.3	289.1	265.4	245.6	221.5	198.8	185.6	171.6
65,0°	183.8	160.4	128.4	126.1	118.6	108.9	260.0	241.7	221.3	205.2	190.9	171.6	151.9
67,5°	150.3	133.3	100.8	100.3	97.5	85.7	232.2	215.5	203.1	187.5	175.4	153.0	133.3
70,0°	112.0	99.3	77.8	78.8	76.7	69.1	203.4	186.8	176.9	170.2	157.9	127.3	116.4
72,5°	80.4	69.5	60.4	59.6	56.6	54.0	160.4	150.2	142.9	139.9	133.0	99.2	93.1
75,0°	56.7	48.6	47.0	44.1	42.0	41.9	116.1	110.2	104.7	106.2	102.0	73.1	64.7
77,5°	37.8	33.1	32.6	33.3	31.8	31.4	79.5	74.8	68.9	74.3	72.9	48.1	41.4
80,0°	22.8	20.7	20.9	21.4	20.8	19.9	47.3	43.9	37.9	40.3	43.4	23.3	22.9
82,5°	12.2	11.3	11.8	11.7	11.3	11.1	22.0	20.4	17.3	18.6	23.9	10.2	11.2
85,0°	4.8	4.8	5.1	5.0	4.9	4.9	6.0	6.3	6.0	7.2	12.1	5.2	4.9
87,5°	1.5	1.5	1.6	1.4	1.4	1.4	2.0	2.0	2.0	1.9	2.7	1.8	1.7
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® 20 LED	Order number: 5XA512832A008P EAN: 4058352546338	LP number 59487_25
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°	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	0.1	0.1
2,5°	89.1	89.1	89.1	88.9	88.9	88.8	88.8	88.9	88.7	88.7	89.0	1.1	1.2
5,0°	96.7	96.5	95.9	95.4	94.8	94.1	93.6	93.2	92.5	92.2	92.5	2.3	3.5
7,5°	110.7	110.2	109.5	108.5	107.7	106.2	105.1	104.2	102.8	102.4	102.6	3.9	7.4
10,0°	124.4	124.2	123.3	122.5	122.0	120.4	119.3	119.1	117.7	117.2	117.7	6.1	13.4
12,5°	131.4	132.1	131.9	131.9	132.9	132.4	132.9	133.7	133.0	133.1	133.8	8.4	21.9
15,0°	138.2	139.3	140.1	140.5	142.3	143.0	144.5	146.4	146.4	147.1	148.1	11.0	32.8
17,5°	152.1	152.1	152.8	153.3	154.7	156.0	157.2	158.6	159.5	160.1	160.0	14.2	47.0
20,0°	165.1	163.1	163.5	164.0	164.6	167.1	169.2	170.3	172.0	171.6	170.5	17.7	64.7
22,5°	171.4	168.9	169.5	170.3	171.3	175.5	178.1	178.9	182.7	183.4	181.8	20.9	85.6
25,0°	173.5	170.8	172.7	173.5	174.3	180.2	184.0	185.0	189.9	192.6	190.8	24.0	109.6
27,5°	173.6	172.2	175.8	177.6	177.9	183.4	188.1	190.7	196.1	197.9	196.7	27.0	136.7
30,0°	174.9	173.5	178.6	182.9	182.9	186.9	190.4	194.2	199.7	201.4	201.0	30.0	166.6
32,5°	174.7	173.5	180.8	184.4	185.0	187.3	192.5	198.1	202.7	202.9	203.7	33.0	199.6
35,0°	173.3	174.4	181.5	185.6	186.5	188.3	194.2	199.5	201.8	202.1	201.4	36.0	235.6
37,5°	174.5	176.0	183.3	189.9	190.9	190.1	196.1	202.1	203.2	200.3	197.6	39.4	275.0
40,0°	179.5	179.6	185.1	190.4	191.5	192.3	198.9	202.1	203.8	202.5	201.2	42.9	317.9
42,5°	178.5	177.1	181.1	183.0	188.5	188.5	195.7	195.7	199.8	199.5	197.6	45.8	363.7
45,0°	175.1	173.4	176.1	178.1	178.3	181.1	188.7	188.0	187.8	189.1	187.5	48.1	411.8
47,5°	173.4	170.5	170.1	168.3	172.5	174.9	173.2	173.3	171.9	169.0	168.0	50.4	462.1
50,0°	174.0	171.7	169.1	170.4	167.0	169.8	167.8	156.9	156.3	156.3	151.6	53.4	515.6
52,5°	189.9	173.5	177.1	172.9	164.4	170.3	162.5	144.8	150.2	143.9	133.1	56.9	572.5
55,0°	196.0	180.8	175.3	171.1	167.1	165.6	152.8	139.8	136.7	128.5	121.2	58.9	631.4
57,5°	191.0	175.2	161.9	155.6	160.3	154.5	140.2	129.5	123.3	113.1	107.3	58.7	690.0
60,0°	175.3	161.7	143.8	142.2	148.1	140.1	125.6	115.5	107.1	96.7	90.5	56.5	746.5
62,5°	159.2	137.0	125.3	128.8	123.2	116.5	109.7	100.5	90.2	77.4	72.0	52.5	799.0
65,0°	141.4	119.2	106.0	111.5	96.4	90.6	93.7	78.0	66.1	58.5	53.7	47.7	846.7
67,5°	127.9	100.8	85.8	87.6	72.2	69.7	74.2	59.2	45.9	43.2	42.3	41.9	888.6
70,0°	110.1	75.8	59.5	66.7	46.1	47.3	55.7	42.1	35.2	35.4	35.7	35.2	923.8
72,5°	86.3	58.3	39.8	39.2	30.1	31.4	37.8	30.6	28.7	28.4	29.7	28.0	951.8
75,0°	65.3	44.3	27.1	24.2	23.7	23.4	26.2	25.4	23.9	23.5	24.8	20.7	972.5
77,5°	48.8	32.1	17.4	16.9	18.0	18.3	18.6	19.5	19.5	18.6	18.1	13.9	986.4
80,0°	31.4	16.4	10.7	11.3	12.5	13.5	13.2	13.7	13.9	13.2	12.3	7.8	994.2
82,5°	18.1	7.0	6.3	6.8	7.7	8.0	7.9	8.4	8.7	8.0	7.8	3.8	998.0
85,0°	9.0	3.6	3.4	3.4	3.8	3.8	3.7	3.8	3.9	3.7	3.5	1.5	999.5
87,5°	2.1	1.6	1.6	1.5	1.6	1.4	1.4	1.4	1.3	1.2	1.2	0.5	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® 20 LED	Order number: 5XA512832A008P EAN: 4058352546338	LP number 59487_25
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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	4200	43.6	44.8	44.2
95	240	3985	41.1	42.2	41.7
90	227	3785	38.8	39.8	39.3
85	213	3567	36.3	37.3	36.8
80	200	3362	34.2	35.0	34.6
75	187	3156	32.0	32.8	32.4
70	173	2932	29.6	30.3	30.0
65	160	2723	27.4	28.1	27.8
60	148	2528	25.4	26.1	25.8
55	135	2314	23.3	23.9	23.6
50	122	2099	21.2	21.7	21.4
45	109	1883	19.1	19.5	19.3
40	97	1681	17.2	17.6	17.4
35	85	1477	15.3	15.6	15.4
30	72	1255	13.2	13.6	13.4
25	60	1048	11.5	11.7	11.6
20	48	839	9.7	9.8	9.8
15	36	629	7.8	7.9	7.8
11	27	470	6.5	6.6	6.6