

Photometric test report

Family
DL® 20 LED

Order number: 5XA51283WA008
EAN: 4058352271889

LP number
59487_26



Version	post-top mounting
Optic	asymmetric, wide distribution (ST1.2a)
Cover	toughened safety glass
Lamps	LED 3000 K CRI ≥ 70
Controlgear	ECG Plus
Rated values	Net luminous flux = 3040 lm Power consumption = 24.6 W Luminous efficacy = 123.6 lm/W

serial
documentation
07.12.2023

siteco

Luminous intensity in cd/klm

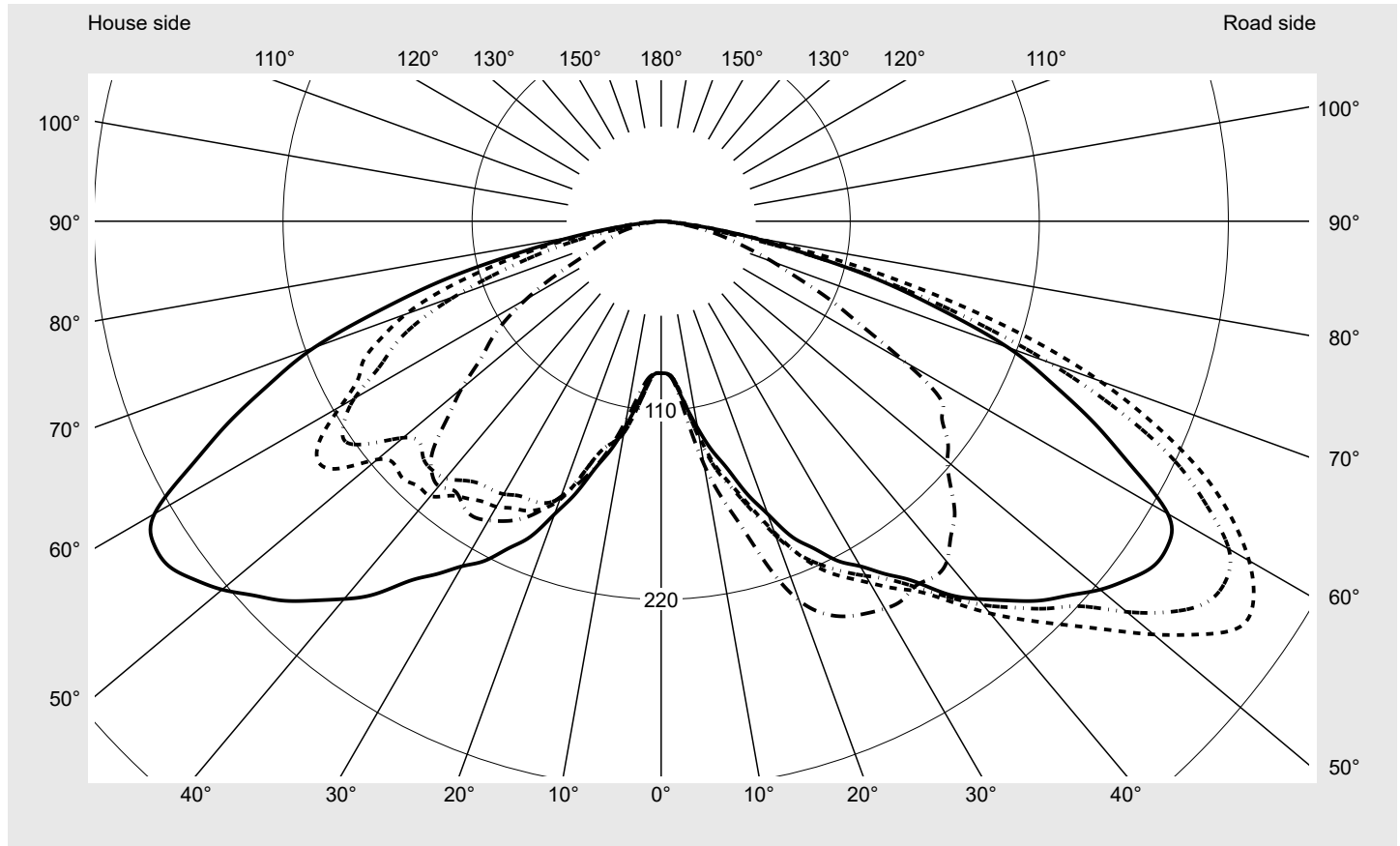
C180-0

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

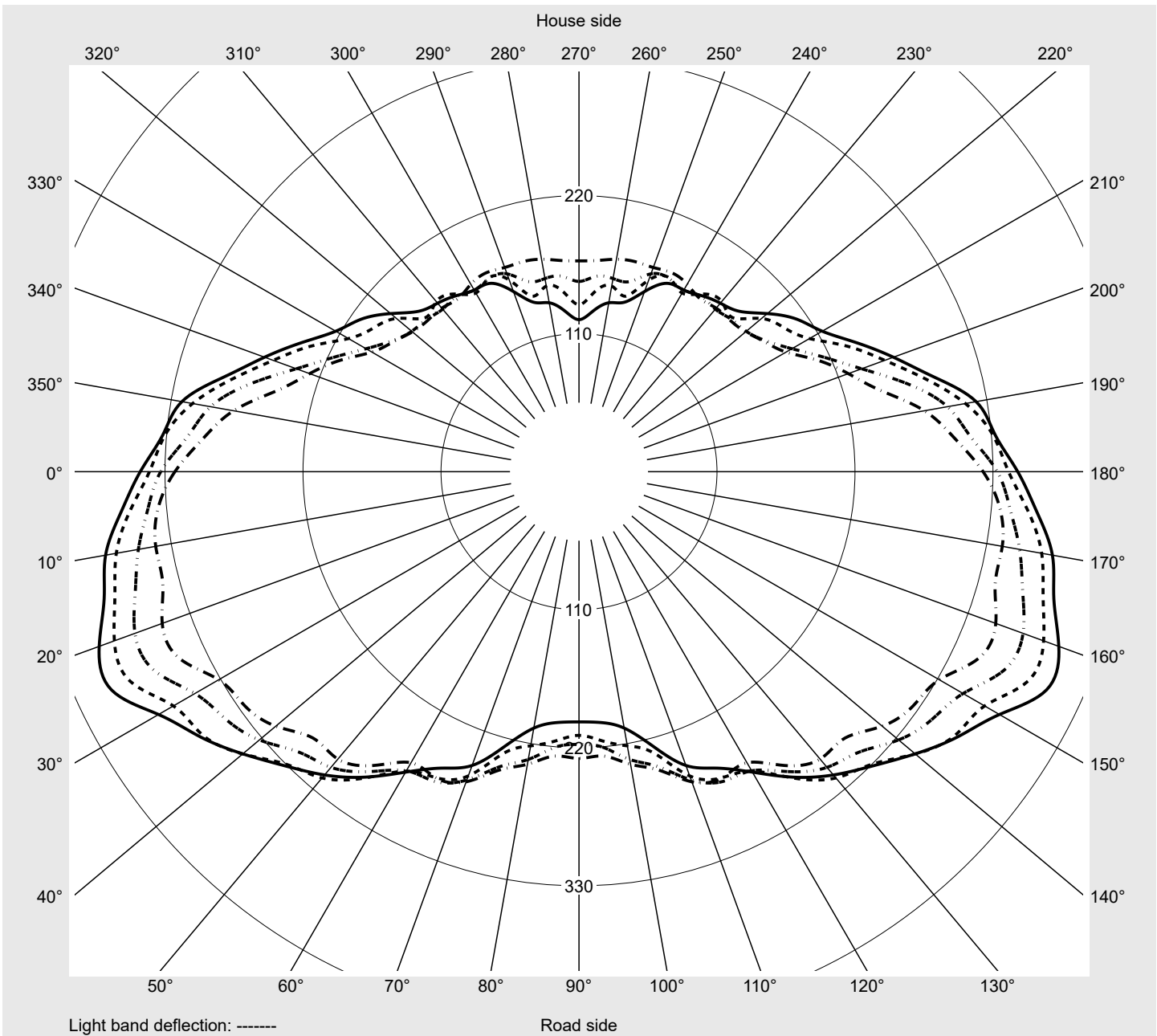
Measurement conditions

DIN EN 13032 and DIN 5032

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Family DL® 20 LED	Order number: 5XA51283WA008 EAN: 4058352271889	LP number 59487_26
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Envelope curve in cd/klm **KMK 55°** **KMK 52,5°** **KMK 50°** **KMK 47,5°** **siteco**



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Family DL® 20 LED	Order number: 5XA51283WA008 EAN: 4058352271889	LP number 59487_26
Table of values for luminous intensities		Maximum luminous intensity

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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

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Family DL® 20 LED	Order number: 5XA51283WA008 EAN: 4058352271889	LP number 59487_26
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Table of values for luminous intensities Maximum luminous intensity

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: 5XA51283WA008 EAN: 4058352271889	LP number 59487_26
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: 5XA51283WA008 EAN: 4058352271889	LP number 59487_26
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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	3040	24.6	25.2	24.9
95	241	2890	23.4	23.9	23.6
90	228	2740	22.2	22.7	22.4
85	215	2589	21.0	21.4	21.2
80	202	2438	19.8	20.2	20.0
75	189	2286	18.6	19.1	18.8
70	176	2133	17.5	17.8	17.6
65	163	1978	16.3	16.6	16.5
60	150	1823	15.2	15.4	15.3
55	137	1668	14.0	14.3	14.2
50	125	1524	13.0	13.2	13.1
45	112	1367	11.9	12.1	12.0
40	100	1222	10.9	11.1	11.0
35	87	1064	9.8	9.9	9.9
30	75	918	8.8	8.9	8.9
25	62	758	7.7	7.8	7.8
20	50	609	6.6	6.7	6.6
19	48	584	6.5	6.6	6.6