

Lichttechnischer Prüfbefund

Familie
DL® 20 LED

Bestell-Nr.: 5XA51283WA008P
EAN: 4058352271902

LP-Nummer
59487_27



Ausführung	Mastaufsatz-Montage
Optik	asymmetrisch, breit strahlend (ST1.2a)
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 3000 K CRI ≥ 70
Betriebsgerät	EVG Plus
Bemessungswerte	Nettolichtstrom = 4200 lm Systemleistung = 34.3 W Lichtausbeute = 122.4 lm/W

Seriendokumentation
07.12.2023

sitEco

Lichtstärke in cd/klm

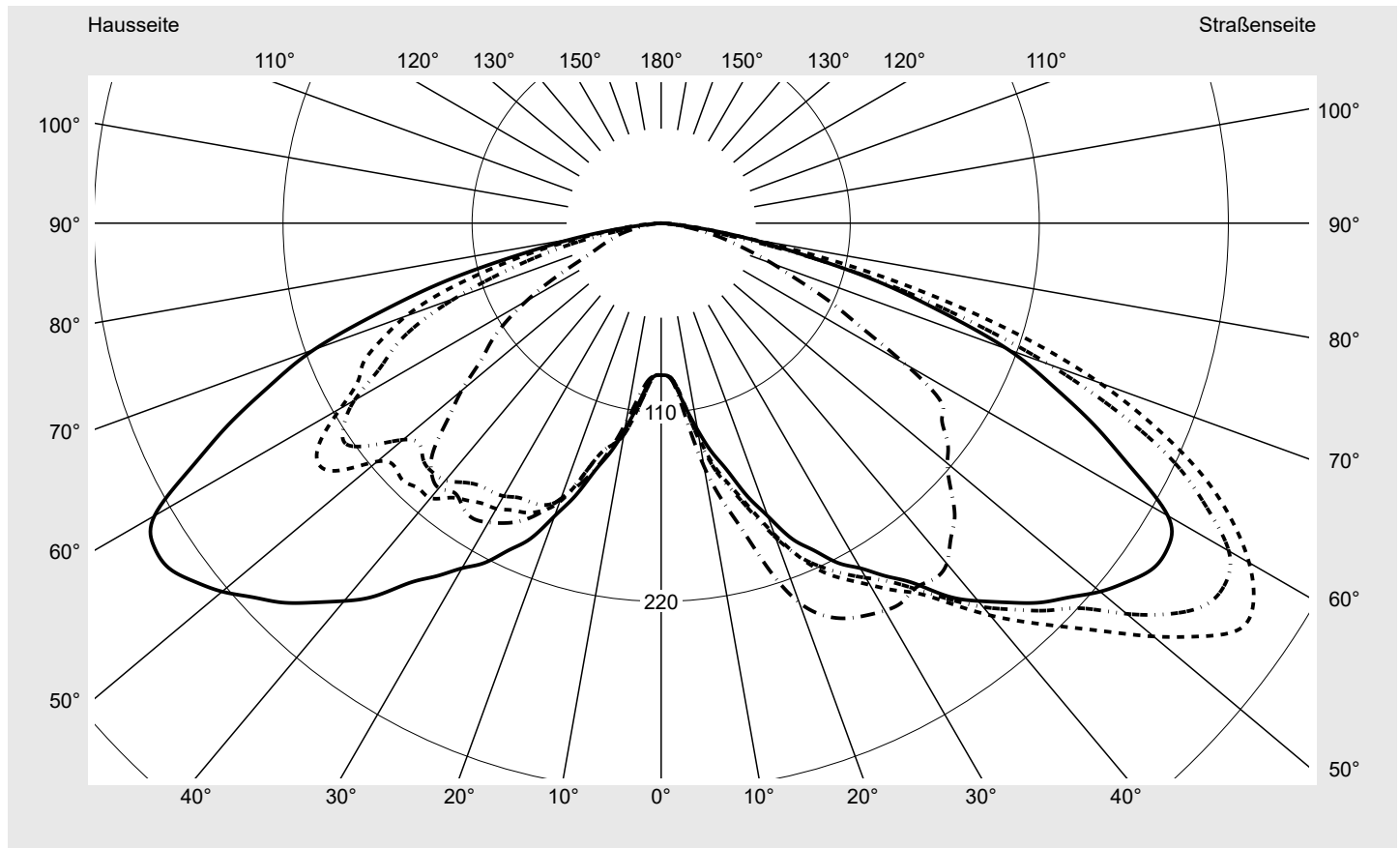
C180-0

C205-25

C210-30

C270-90

Imax: 411 cd/klm



Leuchtenbetriebswirkungsgrade

Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

Lichtstärkeklasse nach EN13201-2

Klasse:	G6
Imax 70°	272.5
Imax 80°	53.2
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

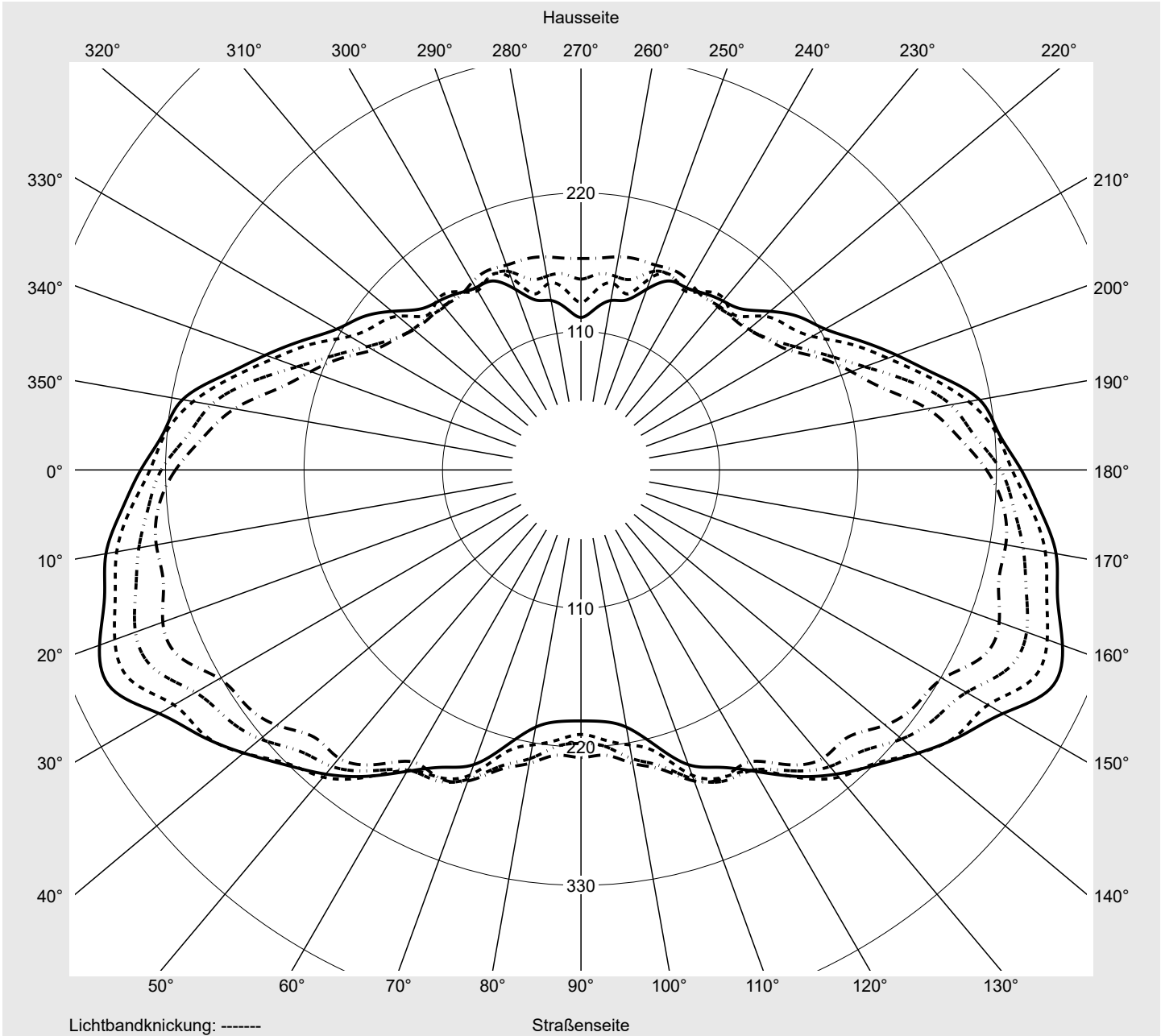
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 55°** **KMK 52,5°** **KMK 50°** **KMK 47,5°** **siteco**



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Familie DL® 20 LED	Bestell-Nr.: 5XA51283WA008P EAN: 4058352271902	LP-Nummer 59487_27
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	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	Lichtstärke 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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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	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	Lichtstärke 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

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm											Lichtstrom 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

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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
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Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	4200	34.3	35.1	34.7
95	241	3998	32.5	33.4	33.0
90	227	3778	30.6	31.5	31.0
85	214	3573	29.0	29.7	29.4
80	201	3366	27.2	27.9	27.6
75	188	3158	25.5	26.1	25.8
70	174	2932	23.7	24.3	24.0
65	162	2738	22.1	22.7	22.4
60	149	2526	20.5	21.0	20.8
55	136	2311	18.9	19.3	19.1
50	123	2096	17.2	17.6	17.4
45	111	1895	15.7	16.0	15.8
40	98	1678	14.1	14.4	14.2
35	86	1475	12.7	12.9	12.8
30	73	1254	11.1	11.4	11.2
25	61	1049	9.7	9.9	9.8
20	49	843	8.2	8.4	8.3
15	37	635	6.8	6.9	6.8
14	34	582	6.5	6.5	6.5