

Lichttechnischer Prüfbefund

Familie
DL® 20 LED

Bestell-Nr.: 5XA51283WR008P
EAN: 4058352271940

LP-Nummer
58603_3



Ausführung	Mastaufsatz-Montage
Optik	asymmetrisch, extrem breit strahlend (P1.0a)
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 3000K / CRI ≥ 80
Betriebsgerät	EVG Plus
Bemessungswerte	Nettolichtstrom = 4240 lm Systemleistung = 52.7 W Lichtausbeute = 80.5 lm/W

Seriendokumentation
28.06.2018

siteco

Lichtstärke in cd/klm

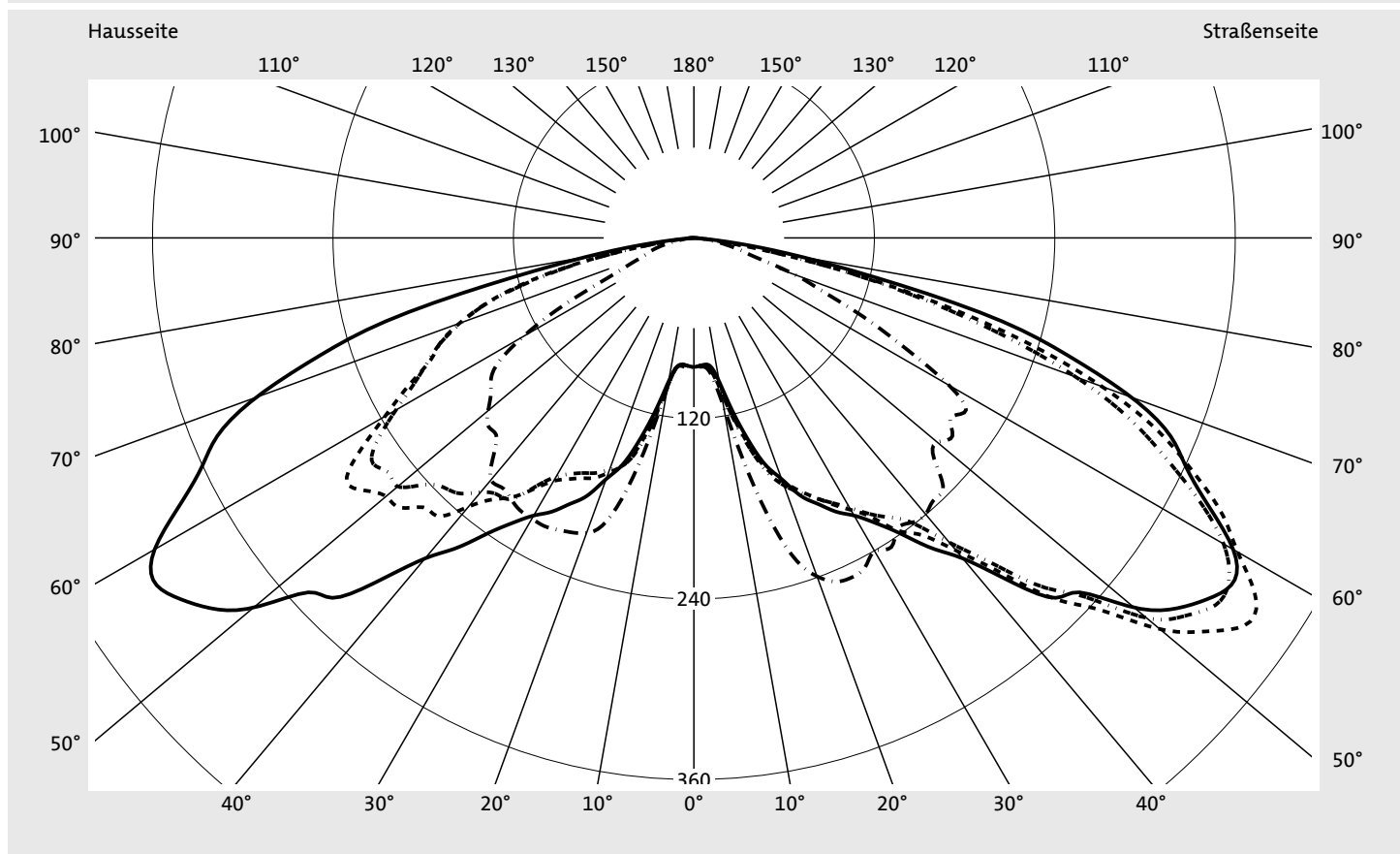
C180-0

C200-20

C205-25

C270-90

I_{max}: 448 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G6
I _{max} 70°	317.0
I _{max} 80°	73.4
I _{max} 90°	0.0
I _{max} >90°	0.0
I _{max} >95°	0.0

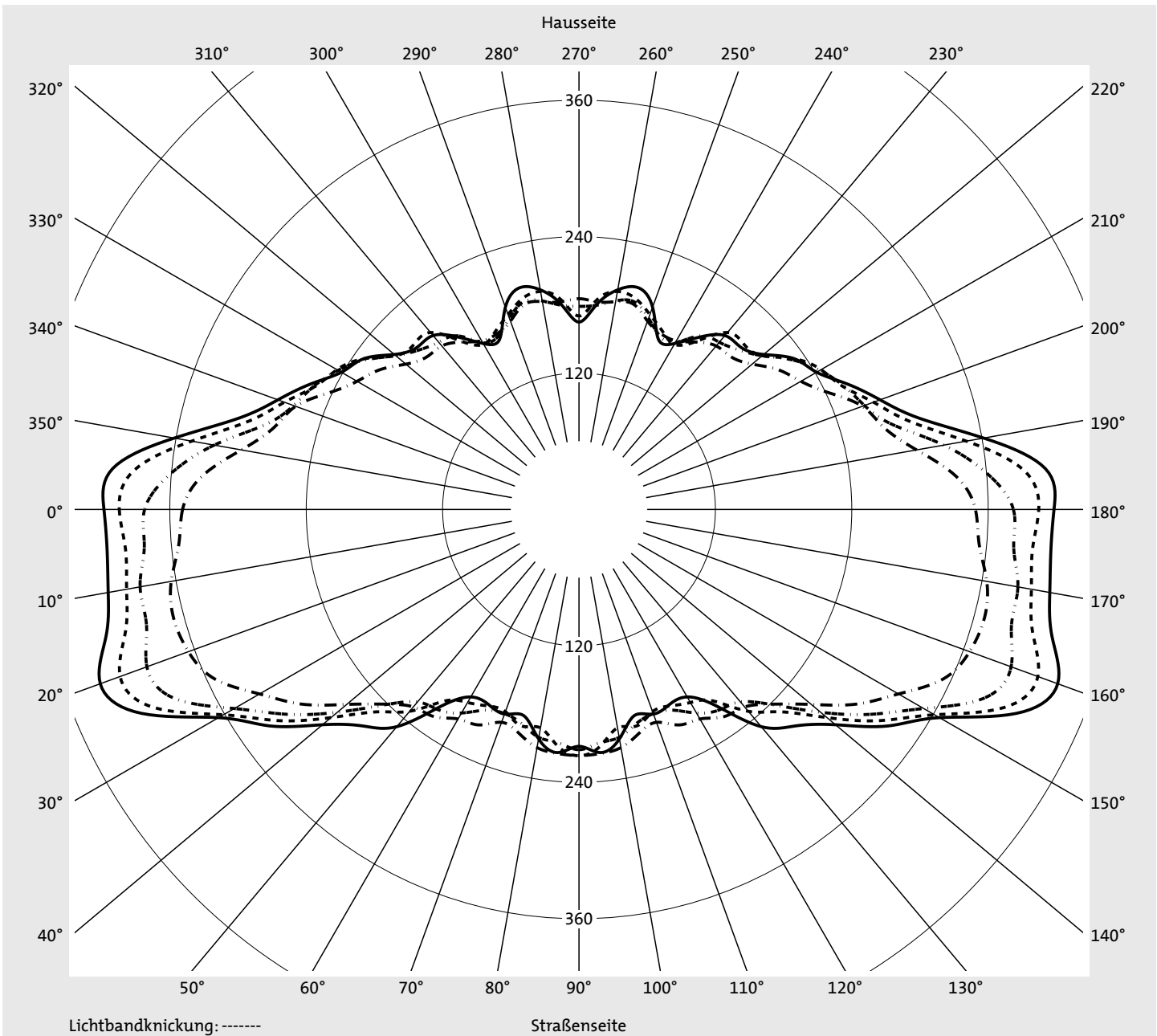
Messbedingungen

DIN EN 13032 und DIN 5032

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



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Familie DL® 20 LED	Bestell-Nr.: 5XA51283WR008P EAN: 4058352271940	LP-Nummer 58603_3
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°	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
2,5°	85.2	85.2	85.2	85.2	85.2	85.1	85.4	85.3	85.1	85.4	85.4	85.4	85.6
5,0°	84.5	84.5	84.6	85.0	85.1	85.3	85.8	85.8	85.8	86.3	86.2	86.3	86.5
7,5°	86.4	86.8	87.3	88.1	88.8	89.4	90.8	91.4	91.8	92.6	92.7	93.3	93.6
10,0°	96.9	98.5	99.8	101.5	102.6	103.5	105.2	105.9	106.4	107.6	108.0	109.1	110.5
12,5°	117.3	118.1	119.7	121.5	122.8	124.4	126.8	127.6	128.1	130.1	131.0	133.4	137.7
15,0°	138.6	139.1	140.5	142.4	143.4	145.6	148.2	148.7	150.1	153.0	155.0	159.2	166.8
17,5°	158.2	157.1	157.8	159.4	160.9	163.6	166.2	166.7	168.5	172.0	175.4	181.0	188.6
20,0°	170.5	170.8	170.9	170.5	171.9	175.0	176.4	177.6	180.3	182.8	187.1	193.6	199.8
22,5°	185.5	183.7	182.1	180.0	181.6	183.2	182.8	184.3	187.5	190.6	196.1	201.9	206.9
25,0°	195.1	195.1	192.1	188.9	190.2	190.8	190.1	190.0	192.3	197.1	204.1	208.2	212.6
27,5°	205.3	206.2	204.2	200.6	199.6	198.4	198.6	199.6	199.9	204.6	211.6	214.9	218.0
30,0°	213.1	215.7	216.4	213.5	208.7	207.1	207.7	207.7	206.7	212.6	217.3	218.1	219.7
32,5°	224.6	226.3	228.5	225.2	220.2	217.5	216.7	215.4	216.3	216.1	219.3	222.9	224.0
35,0°	240.1	241.2	240.4	240.4	237.8	226.7	222.5	220.6	216.2	215.1	218.6	225.3	224.9
37,5°	260.0	259.1	257.3	255.8	248.9	238.8	235.1	228.2	221.0	219.4	220.6	226.7	229.3
40,0°	278.1	281.2	281.0	277.0	271.2	264.2	259.1	250.4	238.0	228.6	224.6	230.1	233.3
42,5°	308.1	309.2	306.6	309.7	301.4	293.1	281.1	266.2	249.7	235.5	231.3	238.6	236.2
45,0°	338.3	340.2	347.0	350.2	339.3	328.1	311.3	287.4	265.1	247.1	237.9	238.3	231.9
47,5°	348.8	353.4	364.3	369.3	365.7	353.2	324.6	298.4	266.8	242.2	226.7	222.5	212.8
50,0°	382.2	383.9	392.1	393.9	404.6	393.0	350.2	314.1	277.5	243.2	221.0	215.3	206.7
52,5°	404.5	400.5	404.2	413.0	429.6	412.4	361.2	323.8	284.8	251.8	231.8	205.6	196.1
55,0°	417.9	416.8	420.6	430.8	448.2	424.5	366.2	332.0	294.6	269.3	249.4	211.1	190.4
57,5°	425.6	420.8	410.0	430.2	442.8	422.0	368.3	325.7	284.3	270.2	253.1	209.7	192.7
60,0°	414.1	403.2	395.3	402.4	417.5	406.8	347.3	298.8	262.6	245.4	227.9	200.7	172.0
62,5°	385.9	382.8	376.0	376.6	395.6	379.3	317.1	265.9	225.5	207.7	197.8	183.5	141.9
65,0°	361.4	371.8	362.7	358.7	365.4	346.3	300.3	238.5	195.3	179.1	175.0	158.5	122.0
67,5°	342.7	351.3	346.4	342.0	333.3	313.3	277.9	217.6	166.1	159.0	156.8	132.2	114.7
70,0°	309.5	316.1	317.0	308.7	288.8	270.4	238.5	188.4	136.7	126.6	132.9	106.6	92.0
72,5°	261.8	267.2	269.3	261.2	233.4	216.4	190.2	151.0	110.0	100.0	103.4	78.4	63.3
75,0°	208.6	205.0	199.3	188.8	169.0	158.4	137.8	111.9	83.3	73.6	71.7	56.4	46.6
77,5°	129.9	131.5	123.7	114.6	103.4	102.2	89.3	72.8	53.4	45.5	44.2	34.8	33.5
80,0°	73.4	70.7	63.2	59.0	49.1	49.6	39.9	32.4	29.3	23.0	21.0	21.3	20.3
82,5°	33.9	31.7	28.0	23.6	17.6	18.1	14.1	12.2	12.3	10.6	9.9	10.4	10.5
85,0°	8.2	7.3	7.1	6.5	6.3	7.3	5.3	4.7	4.8	4.4	4.4	4.6	4.5
87,5°	2.7	2.6	2.6	2.5	2.3	2.2	2.0	1.8	1.7	1.6	1.6	1.6	1.5
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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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°	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
2,5°	85.6	85.6	85.9	86.0	85.9	85.9	85.3	85.3	85.3	85.3	85.3	85.5	85.5
5,0°	86.3	86.4	86.5	86.4	86.3	86.3	84.4	84.5	84.4	84.4	84.4	84.7	84.6
7,5°	93.4	93.4	93.4	93.3	93.1	93.0	86.0	86.0	86.0	86.1	86.4	86.9	87.1
10,0°	111.0	111.8	112.9	113.2	113.5	113.8	96.7	96.9	97.6	98.5	99.8	101.3	102.4
12,5°	140.1	143.4	147.0	148.2	149.6	151.0	117.4	118.3	119.9	122.1	124.6	127.7	130.0
15,0°	171.7	178.0	184.5	186.5	189.5	192.1	140.2	142.1	143.5	144.9	146.8	150.1	152.4
17,5°	196.2	205.0	212.8	216.7	221.1	223.8	158.7	159.5	159.6	158.9	159.0	160.4	162.9
20,0°	208.5	217.5	225.3	232.5	237.2	239.4	173.0	171.9	169.6	166.1	164.0	164.0	165.8
22,5°	215.1	223.3	230.9	239.2	244.9	247.3	185.7	182.3	177.3	172.6	169.1	167.0	168.2
25,0°	220.4	226.6	232.6	242.4	248.0	248.9	196.0	189.2	181.8	176.2	172.4	170.8	171.6
27,5°	223.6	228.8	235.4	244.7	247.3	246.7	204.0	196.8	187.2	180.7	176.8	175.7	176.0
30,0°	224.6	230.4	235.9	239.9	246.7	240.4	210.6	204.6	193.8	186.6	183.3	181.0	178.3
32,5°	225.3	230.8	234.7	236.6	242.0	243.9	224.1	217.7	203.7	197.7	196.0	191.2	183.4
35,0°	225.5	232.7	230.7	234.8	240.8	236.0	237.3	223.7	211.8	210.3	211.8	203.0	194.2
37,5°	229.1	227.4	230.1	231.5	233.3	238.4	248.5	234.1	223.6	219.0	215.0	206.4	198.6
40,0°	230.8	223.5	227.9	227.3	229.6	239.8	263.8	249.2	242.7	233.2	220.6	214.0	205.6
42,5°	225.1	223.3	226.5	228.0	230.1	236.2	285.0	267.1	261.5	251.0	230.4	219.2	208.5
45,0°	219.8	215.2	221.4	225.3	234.4	234.4	317.0	294.5	276.6	253.4	234.7	220.4	207.2
47,5°	209.1	199.2	203.9	212.7	215.5	216.4	333.2	301.6	278.0	265.3	242.8	225.4	214.2
50,0°	194.8	191.1	195.0	203.6	206.2	211.3	360.7	325.9	286.7	267.3	257.1	244.7	229.3
52,5°	190.6	189.2	197.0	195.1	209.4	216.6	393.1	346.0	300.5	275.8	256.1	245.9	231.1
55,0°	189.0	191.5	187.8	204.9	214.7	208.3	411.9	361.6	310.0	281.9	260.9	241.4	231.2
57,5°	186.0	184.1	195.7	198.3	206.2	214.3	406.5	354.5	298.6	263.2	249.1	235.1	216.5
60,0°	167.3	175.3	185.7	184.8	188.9	195.9	389.8	332.2	275.5	237.2	228.8	214.6	195.3
62,5°	136.6	154.3	150.9	161.4	169.1	158.1	370.1	311.6	251.5	215.0	209.8	197.3	169.4
65,0°	103.6	132.0	120.6	123.3	131.9	125.0	343.3	287.9	227.5	193.8	195.4	187.0	150.3
67,5°	107.1	103.1	94.7	91.0	91.8	92.6	313.4	261.2	215.4	182.7	182.3	176.3	134.4
70,0°	92.2	77.9	71.7	67.0	64.0	71.8	278.6	237.4	196.6	165.9	164.6	154.4	119.8
72,5°	72.4	54.9	50.0	49.2	46.0	44.1	236.3	204.3	174.6	144.8	144.0	130.3	96.3
75,0°	50.4	42.9	40.8	37.3	34.6	33.2	186.3	159.5	141.0	116.7	113.5	96.9	62.8
77,5°	34.1	32.5	32.8	28.9	25.8	23.7	124.4	110.1	98.2	81.3	79.2	59.4	32.8
80,0°	20.5	21.3	21.2	17.9	16.5	16.2	68.0	62.9	52.6	43.6	43.0	26.4	17.4
82,5°	10.8	10.7	10.6	10.0	8.9	8.7	32.1	29.0	23.3	17.9	17.6	11.1	8.0
85,0°	4.6	4.6	4.4	4.3	4.2	4.0	8.4	8.2	6.9	6.1	6.6	4.8	4.2
87,5°	1.4	1.4	1.4	1.3	1.2	1.2	2.8	2.7	2.5	2.4	2.3	2.3	2.1
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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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
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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°	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	0.1	0.1
2,5°	85.5	85.6	85.7	85.7	85.8	85.8	85.8	86.1	85.9	86.1	86.3	1.0	1.2
5,0°	84.6	84.7	84.8	84.9	85.2	85.2	85.3	85.5	85.4	85.4	85.7	2.0	3.2
7,5°	87.3	87.6	87.7	87.8	87.7	87.2	87.0	86.9	86.6	86.6	86.9	3.2	6.4
10,0°	103.2	103.7	103.5	103.5	103.2	102.4	102.0	101.6	100.8	100.5	100.7	4.9	11.3
12,5°	131.3	132.9	133.0	133.2	133.9	133.2	134.0	135.7	135.3	135.1	135.7	7.8	19.1
15,0°	153.9	156.7	158.1	159.7	163.2	164.0	166.0	170.4	170.8	172.1	174.1	11.2	30.3
17,5°	165.5	169.7	172.1	174.5	180.0	182.9	185.9	191.2	193.9	197.0	199.6	14.6	44.9
20,0°	169.4	174.5	178.7	182.0	187.0	191.1	194.3	199.0	203.5	207.0	208.7	17.5	62.4
22,5°	172.1	177.2	181.9	186.9	191.8	197.1	200.8	202.8	206.9	211.1	211.9	20.3	82.7
25,0°	175.4	179.1	183.9	189.9	196.6	202.9	205.1	205.8	209.4	213.6	214.1	23.1	105.8
27,5°	176.5	179.5	185.7	193.1	202.8	210.0	208.8	207.7	210.9	214.9	215.8	25.9	131.7
30,0°	178.1	182.5	190.5	196.0	202.8	208.2	208.1	207.4	211.0	214.8	215.4	28.6	160.3
32,5°	182.5	188.5	192.0	197.1	201.6	206.2	206.8	208.5	210.6	213.9	214.9	31.5	191.7
35,0°	189.2	189.1	194.2	197.9	203.5	204.1	207.3	212.0	212.3	211.2	211.9	34.4	226.1
37,5°	191.1	190.7	197.6	204.9	208.0	206.2	211.6	217.2	214.8	208.6	209.3	37.4	263.5
40,0°	199.5	197.0	198.9	207.1	207.2	214.3	215.6	219.9	216.8	209.4	209.9	41.1	304.6
42,5°	199.9	199.1	203.8	205.4	205.8	209.5	206.1	210.4	206.5	196.8	197.6	44.7	349.3
45,0°	195.2	186.6	185.4	182.6	184.5	185.8	190.0	192.6	186.7	184.3	185.8	47.7	397.0
47,5°	198.8	189.6	187.8	179.7	171.2	170.5	176.3	186.7	185.6	183.3	185.4	49.9	446.9
50,0°	210.4	198.5	192.0	186.5	169.4	168.3	179.0	188.9	186.3	180.3	178.7	53.6	500.5
52,5°	210.4	205.4	203.2	180.6	167.7	173.3	182.4	192.1	194.7	185.5	170.1	57.0	557.5
55,0°	212.1	201.6	199.7	185.1	168.6	165.2	189.3	201.9	196.2	181.2	164.8	60.2	617.7
57,5°	193.6	186.3	200.7	183.8	160.8	156.4	182.3	210.8	197.4	174.2	154.3	60.9	678.6
60,0°	165.5	164.7	177.8	158.3	138.0	137.5	157.3	181.3	188.1	159.7	131.0	57.8	736.4
62,5°	143.0	146.6	150.8	131.3	115.7	114.1	121.6	136.4	141.4	115.5	100.1	52.5	788.9
65,0°	130.2	132.4	130.4	111.4	96.3	88.5	102.0	103.2	94.9	76.5	64.5	47.6	836.5
67,5°	117.5	121.0	104.3	89.5	68.6	63.8	78.5	67.7	53.8	47.9	46.9	42.8	879.3
70,0°	106.0	104.6	78.8	58.2	46.4	44.1	48.9	41.5	39.2	38.0	36.2	37.1	916.4
72,5°	83.3	87.1	62.4	39.1	37.0	36.5	36.4	34.9	32.4	31.9	31.1	30.7	947.1
75,0°	56.1	61.2	36.7	27.6	29.9	30.2	29.7	29.0	26.9	25.7	25.5	23.4	970.4
77,5°	31.9	32.1	18.6	19.0	22.1	22.5	22.5	22.3	21.0	19.2	18.8	15.4	985.8
80,0°	17.7	13.0	11.9	12.4	14.7	14.9	14.8	15.2	14.6	12.7	11.9	8.4	994.2
82,5°	8.6	7.3	7.0	7.3	8.3	8.3	8.5	8.8	8.5	7.7	7.1	3.9	998.1
85,0°	4.2	3.9	3.7	3.9	4.1	3.9	4.2	4.3	4.2	4.0	3.8	1.4	999.5
87,5°	2.0	1.9	1.9	1.9	1.9	1.8	1.6	1.7	1.7	1.6	1.6	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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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

Lichttechnischer Prüfbefund

Familie DL® 20 LED	Bestell-Nr.: 5XA51283WR008P EAN: 4058352271940	LP-Nummer 58603_3
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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	4240	52.7	54.0	53.4
95	238	4028	49.4	50.6	50.0
90	223	3816	46.1	47.3	46.7
85	208	3604	43.1	44.0	43.6
80	194	3392	40.2	41.0	40.6
75	180	3180	37.1	38.0	37.6
70	166	2968	34.3	35.0	34.6
65	153	2756	31.5	32.2	31.8
60	139	2544	28.8	29.4	29.1
55	126	2332	26.3	26.8	26.6
50	114	2120	23.8	24.2	24.0
45	101	1908	21.3	21.7	21.5
40	89	1696	18.9	19.2	19.0
35	77	1484	16.6	16.8	16.7
30	65	1272	14.4	14.6	14.5
25	54	1060	12.1	12.4	12.2
20	43	848	10.2	10.3	10.2
15	32	635	8.2	8.3	8.2