

## Lichttechnischer Prüfbefund

**Familie**  
**DL® 30 LED**

**Bestell-Nr.: 5XA5132S1B08A1**  
**EAN: 4058352059470**

**LP-Nummer**  
**57198\_8**



**Ausführung** Mastaufsatz-Montage  
**Optik** direkt, asymmetrisch extrem breit strahlend  
P100004  
**Abdeckung** Abdeckung PMMA, schlagfest, IK08  
**Bestückung** LED 4000 K | CRI ≥ 70  
**Betriebsgerät** EVG Plus  
**Bemessungswerte** Nettolichtstrom = 1600 lm  
Systemleistung = 12.5 W  
Lichtausbeute = 128 lm/W

**Seriendokumentation**  
18.11.2020

siteco

**Lichtstärke in cd/klm**

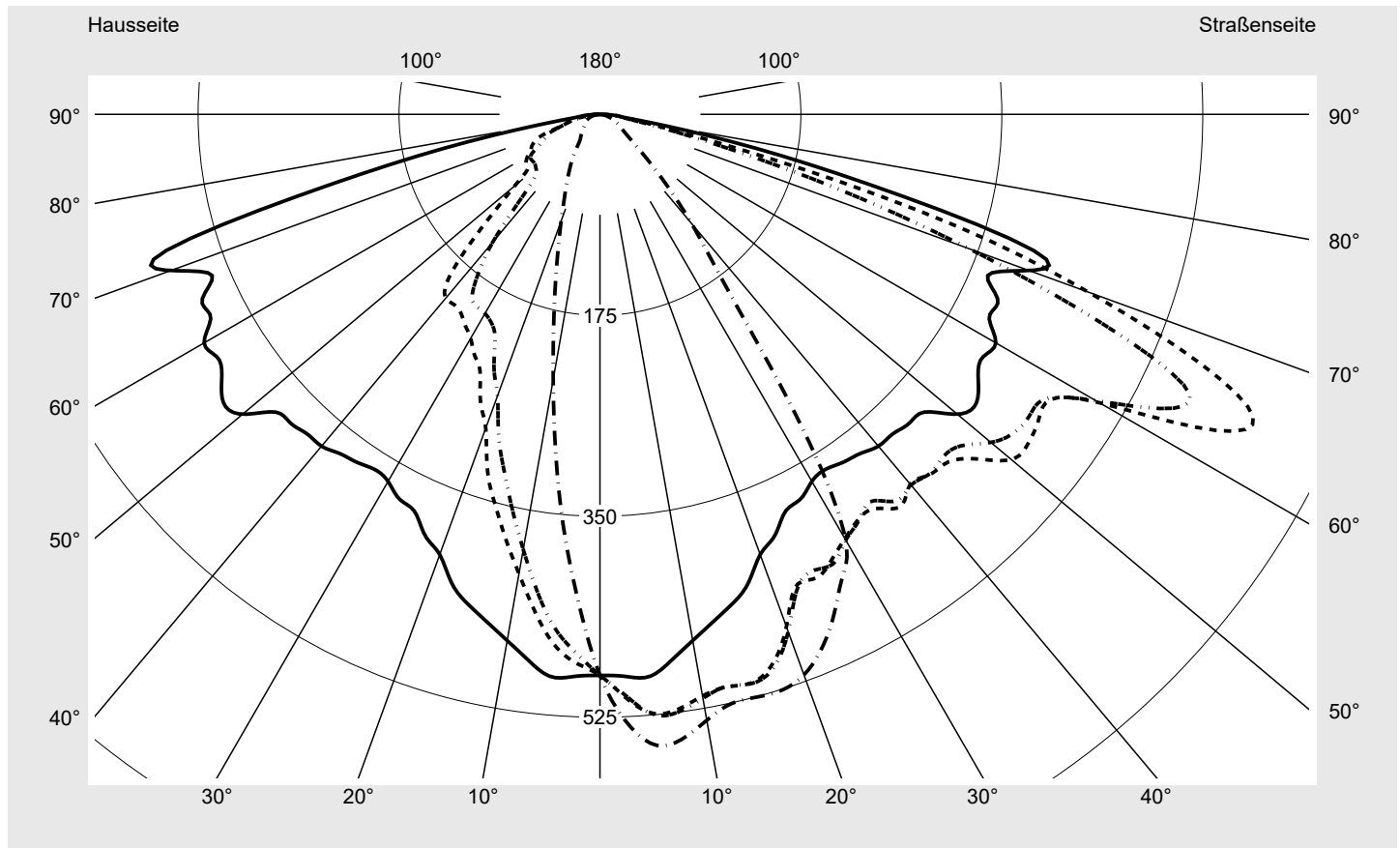
**C180-0**

**C200-20**

**C205-25**

**C270-90**

**Imax: 628 cd/klm**



**Leuchtenbetriebswirkungsgrade**

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

**Lichtstärkeklasse nach EN13201-2**

Klasse:	G3
Imax 70°	624.1
Imax 80°	59.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

**Messbedingungen**

DIN EN 13032 und DIN 5032

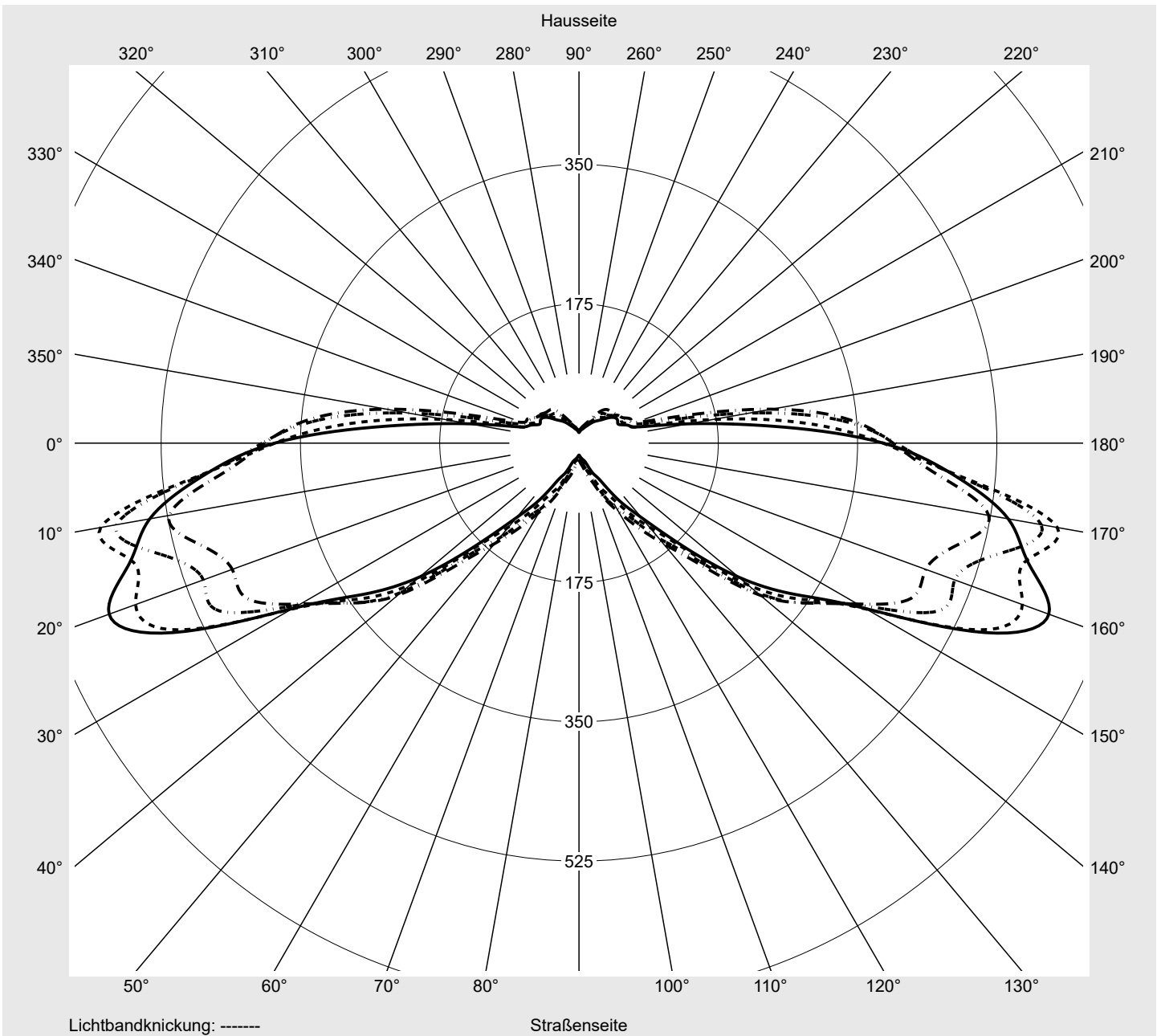
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**Kegelmantelkurven in cd/klm**    **KMK 65°**    **KMK 62,5°**    **KMK 60°**    **KMK 57,5°**    **siteco**



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<b>Familie</b> <b>DL® 30 LED</b>	<b>Bestell-Nr.: 5XA5132S1B08A1</b> <b>EAN: 4058352059470</b>	<b>LP-Nummer</b> <b>57198_8</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

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°	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6
2,5°	489.8	496.9	502.5	512.0	508.3	506.4	512.6	522.1	526.1	522.3	519.5	522.1	524.4
5,0°	491.6	501.4	510.9	524.2	523.6	524.4	532.4	543.5	549.6	547.2	544.6	546.3	548.3
7,5°	479.3	492.4	505.9	521.6	522.5	524.9	534.1	546.6	554.3	552.6	550.6	552.6	553.9
10,0°	465.3	480.4	495.6	512.2	514.3	516.5	524.6	536.5	544.4	544.2	542.5	545.0	547.2
12,5°	453.1	472.2	490.0	508.3	510.7	510.2	515.0	522.7	528.9	528.5	527.4	531.1	535.6
15,0°	442.1	463.6	485.1	506.6	512.4	513.0	515.4	517.1	518.6	516.0	513.5	518.0	526.1
17,5°	428.6	453.1	473.9	494.8	501.2	504.7	511.1	513.3	514.8	510.7	506.8	510.7	519.5
20,0°	408.0	429.5	448.6	467.9	474.8	479.3	489.4	499.5	508.7	510.7	506.6	507.0	513.0
22,5°	397.5	418.5	434.8	446.2	445.1	448.2	461.7	474.8	491.6	501.6	499.9	498.6	500.8
25,0°	381.8	405.2	426.0	443.9	445.6	438.5	443.6	454.2	470.5	480.4	483.4	480.4	477.6
27,5°	377.9	397.9	414.2	427.7	437.2	440.8	444.9	442.6	452.5	457.0	455.0	452.7	446.2
30,0°	369.1	388.0	405.6	421.3	426.7	428.2	437.8	436.3	433.1	432.3	423.2	421.3	411.6
32,5°	366.3	381.6	395.9	407.1	418.5	419.6	422.4	423.0	416.1	409.1	397.2	383.5	368.2
35,0°	369.7	395.3	418.7	426.9	418.9	411.4	417.9	415.3	403.5	391.9	370.0	348.0	316.9
37,5°	372.3	393.2	404.1	420.0	430.3	424.3	416.1	415.9	398.7	379.2	336.4	308.5	276.3
40,0°	377.3	396.4	409.5	418.5	420.4	421.5	419.6	408.0	384.8	356.0	309.8	266.2	241.7
42,5°	377.5	396.6	403.7	413.8	425.4	424.7	403.7	395.9	363.5	327.6	285.1	233.1	208.4
45,0°	380.7	402.4	415.5	427.7	428.4	422.4	405.2	381.8	348.5	304.0	256.9	205.8	180.9
47,5°	383.7	425.8	445.4	457.0	444.1	427.1	396.6	372.7	336.7	274.8	217.8	186.5	162.2
50,0°	406.3	447.7	467.9	475.2	467.7	444.5	408.4	364.4	325.5	249.9	183.9	166.1	142.7
52,5°	413.1	459.8	471.6	482.1	470.3	455.0	413.8	352.8	304.4	230.5	165.4	150.2	124.8
55,0°	402.2	457.8	476.7	473.3	466.0	457.0	411.2	350.6	297.6	219.6	163.3	137.9	107.8
57,5°	394.7	451.8	522.7	492.8	463.6	460.8	404.1	350.2	297.3	216.1	164.6	129.1	100.1
60,0°	398.1	478.9	589.7	542.0	502.3	498.6	406.9	349.8	291.5	203.2	155.5	115.6	94.1
62,5°	382.2	481.7	610.1	579.2	592.7	554.9	417.0	342.0	276.7	187.6	137.7	103.6	76.1
65,0°	382.4	474.8	547.6	585.0	628.2	563.1	415.3	331.3	261.7	179.6	122.0	88.1	55.0
67,5°	365.9	482.7	504.7	584.1	564.8	468.8	358.8	287.2	233.3	169.7	104.0	69.0	39.7
70,0°	397.7	541.2	579.4	624.1	452.9	342.5	270.1	205.4	187.1	159.6	98.4	55.2	31.2
72,5°	398.1	500.1	475.7	434.4	331.3	222.1	158.6	124.4	121.8	109.8	73.5	43.6	20.8
75,0°	265.1	301.2	307.4	258.5	176.8	119.2	92.6	82.7	75.8	51.1	32.2	20.4	13.3
77,5°	147.8	147.6	115.6	86.8	72.6	58.2	51.3	47.1	34.6	20.8	20.0	13.3	9.5
80,0°	59.9	43.2	39.3	38.5	36.7	29.2	26.2	24.3	16.3	12.7	9.7	8.2	6.9
82,5°	22.8	24.3	25.1	24.7	22.3	18.9	16.1	13.5	11.0	9.0	7.3	6.4	5.6
85,0°	15.5	16.3	17.0	16.8	15.5	13.5	11.8	9.7	7.9	6.7	5.8	5.2	4.3
87,5°	8.4	9.2	10.1	10.5	10.1	9.2	8.2	7.1	6.0	5.2	4.7	3.9	3.7
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
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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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

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°	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6
2,5°	526.6	527.9	528.1	528.3	529.1	529.8	488.1	487.5	483.8	478.2	469.9	469.0	468.8
5,0°	550.0	550.6	550.2	550.2	550.8	551.3	484.7	480.4	472.4	463.0	449.4	443.0	438.3
7,5°	553.9	553.0	550.6	549.1	548.9	548.7	469.9	461.5	449.9	436.1	418.9	408.0	400.0
10,0°	546.8	545.0	541.4	538.6	536.5	535.8	451.2	438.9	423.7	406.3	384.8	369.3	357.5
12,5°	536.9	536.2	533.0	529.4	526.8	525.9	436.6	420.7	401.3	379.0	352.6	331.7	315.2
15,0°	530.9	531.9	530.2	527.4	525.9	525.5	419.8	400.2	377.7	352.3	322.0	295.0	273.7
17,5°	526.6	528.5	527.2	525.3	525.7	525.9	403.0	378.8	353.0	325.7	293.5	264.3	240.4
20,0°	518.4	518.4	516.5	515.4	517.8	519.5	379.0	350.8	320.8	290.9	260.8	232.2	210.1
22,5°	500.4	497.1	495.4	497.4	501.6	504.0	371.2	341.8	306.6	271.8	241.0	215.7	194.9
25,0°	471.8	466.8	468.6	474.2	479.5	481.7	354.9	327.8	288.3	247.1	216.1	195.9	180.5
27,5°	434.6	432.5	438.7	447.1	453.5	456.3	350.4	322.3	281.7	236.5	204.7	183.5	164.4
30,0°	392.7	389.3	393.2	398.7	415.5	428.0	337.3	300.8	259.7	225.2	200.2	176.0	142.7
32,5°	343.3	334.3	318.6	319.0	330.6	341.2	343.1	297.3	243.2	218.3	198.9	157.9	113.4
35,0°	293.0	273.1	272.6	273.1	267.3	223.4	340.5	291.1	233.3	211.2	194.2	134.1	89.2
37,5°	253.9	239.1	238.3	233.7	218.1	159.4	339.2	279.1	229.9	208.8	173.6	105.7	84.2
40,0°	221.7	209.0	203.2	192.9	171.4	124.2	346.3	271.8	228.6	208.8	145.2	89.2	83.6
42,5°	190.8	178.5	167.8	151.7	131.3	93.7	350.6	271.1	222.6	196.6	108.1	84.0	83.6
45,0°	160.1	147.8	134.3	114.7	94.7	68.7	350.2	269.8	225.4	162.0	84.0	81.2	81.9
47,5°	134.9	121.8	106.3	85.9	69.4	49.8	351.3	259.3	228.2	123.7	75.2	76.9	78.2
50,0°	114.3	99.0	84.0	64.7	50.5	37.4	358.1	257.6	212.7	96.9	72.8	72.2	73.3
52,5°	96.7	79.9	66.8	48.8	38.5	29.6	356.8	253.7	188.0	79.9	71.3	69.0	68.7
55,0°	84.6	66.2	53.5	38.7	30.9	24.9	347.6	255.0	159.8	78.2	71.3	66.8	63.8
57,5°	77.6	54.8	42.5	31.6	25.8	21.9	340.3	245.6	130.0	76.3	71.5	63.8	61.4
60,0°	71.1	46.4	34.2	26.4	22.3	19.3	329.6	217.4	105.3	72.6	68.5	63.2	60.6
62,5°	60.2	38.5	27.5	22.6	19.3	17.2	286.4	171.0	80.4	67.9	60.8	61.0	59.5
65,0°	42.1	27.7	22.1	19.6	17.0	15.0	243.8	139.9	79.3	65.5	55.4	56.1	55.4
67,5°	26.2	22.3	18.5	16.8	14.8	13.3	207.5	128.7	90.9	61.2	50.5	50.1	48.3
70,0°	21.1	16.3	15.0	14.2	12.7	11.6	266.2	140.1	98.2	53.9	46.2	44.3	41.5
72,5°	14.2	12.5	12.0	11.6	10.1	9.0	308.9	131.7	73.7	38.5	36.5	36.1	34.8
75,0°	10.7	10.1	9.9	9.2	7.3	6.9	249.2	124.4	53.1	30.7	30.3	29.9	28.6
77,5°	8.8	8.2	7.5	6.7	5.6	5.6	110.6	122.7	72.8	25.4	23.4	23.2	22.8
80,0°	6.4	5.8	5.4	4.7	4.3	4.3	46.6	50.5	49.8	20.0	16.1	16.3	16.5
82,5°	4.7	4.5	3.9	3.7	3.4	3.4	20.4	17.8	15.0	12.5	10.7	10.3	11.0
85,0°	3.9	3.4	3.4	3.0	3.0	3.0	13.8	11.8	10.1	8.6	7.5	7.1	6.7
87,5°	3.4	3.0	3.0	2.6	2.6	2.6	8.2	7.3	6.7	5.8	5.6	5.2	5.2
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
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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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>sitEco</b>

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°	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	0.7	0.7
2,5°	465.3	457.4	448.8	444.7	442.1	440.4	435.5	430.5	427.3	425.8	425.8	5.8	6.6
5,0°	430.8	418.7	406.0	397.7	390.8	385.4	377.7	370.2	365.2	362.6	362.2	11.4	18.0
7,5°	389.7	375.1	360.1	348.0	337.9	328.9	318.0	308.3	301.2	297.1	296.0	16.4	34.4
10,0°	344.4	328.1	311.3	296.7	283.6	272.2	259.7	248.8	240.6	236.1	234.6	20.5	54.9
12,5°	299.7	282.5	265.8	250.3	235.7	222.6	209.7	198.7	191.0	186.9	186.1	24.1	79.0
15,0°	255.7	240.0	225.6	211.0	195.9	182.0	169.3	159.2	152.8	150.0	149.1	27.4	106.4
17,5°	220.4	203.9	189.9	176.0	161.6	147.2	135.1	127.2	122.9	120.7	120.3	30.4	136.8
20,0°	192.7	179.4	165.9	150.2	131.5	118.6	109.6	103.8	100.8	99.3	98.8	32.6	169.4
22,5°	174.2	156.4	139.2	124.2	108.1	96.7	90.7	86.6	84.0	82.5	82.1	34.6	204.1
25,0°	161.6	137.1	115.2	99.0	88.3	82.7	78.2	74.1	71.3	70.3	70.0	36.2	240.3
27,5°	134.1	108.9	92.2	83.8	79.1	73.3	67.9	63.6	60.6	59.5	59.7	37.5	277.9
30,0°	108.3	88.1	83.4	78.4	73.5	67.0	61.2	56.3	53.1	51.8	51.1	38.2	316.0
32,5°	87.4	83.4	79.7	75.4	69.8	62.1	54.6	49.6	46.2	43.8	43.4	37.9	354.0
35,0°	83.8	81.0	77.6	73.0	66.4	57.4	50.3	45.8	42.1	38.5	34.8	38.1	392.1
37,5°	82.9	80.4	76.3	71.3	64.0	54.1	47.5	42.8	38.9	34.6	28.8	38.3	430.4
40,0°	82.7	79.5	75.4	70.3	61.2	51.6	44.5	39.5	35.2	31.2	26.2	38.4	468.8
42,5°	81.9	78.8	75.0	69.0	59.1	48.6	41.2	36.1	32.0	28.1	24.1	38.1	506.9
45,0°	80.4	78.0	74.3	67.7	56.3	45.1	37.6	32.9	29.2	25.6	21.9	37.9	544.8
47,5°	77.6	75.8	72.8	66.0	53.9	42.1	34.4	30.1	26.4	23.2	20.2	38.1	582.8
50,0°	73.5	72.4	69.6	62.7	50.9	39.5	31.8	27.3	24.3	21.1	18.5	38.5	621.4
52,5°	68.1	68.1	66.0	59.1	47.9	36.7	29.4	25.6	22.3	19.6	17.2	38.5	659.9
55,0°	62.9	62.1	60.8	54.6	44.0	34.4	28.1	24.1	21.3	18.5	15.9	38.5	698.4
57,5°	58.2	56.1	55.0	49.8	40.4	32.0	26.6	23.0	20.2	17.4	15.5	39.0	737.3
60,0°	54.4	50.1	48.6	43.8	36.3	29.4	24.7	21.7	19.1	17.0	15.0	40.3	777.6
62,5°	52.0	45.5	42.1	38.2	32.4	27.1	23.0	20.4	18.3	16.1	14.2	40.7	818.3
65,0°	49.8	42.1	37.0	32.9	28.4	24.3	21.3	18.7	17.0	15.0	13.3	39.7	858.1
67,5°	44.7	38.7	32.9	28.1	24.5	21.5	19.3	17.2	15.7	13.5	12.0	36.8	894.9
70,0°	38.5	34.4	29.0	24.3	21.3	19.3	17.4	15.7	14.0	12.2	10.7	35.4	930.3
72,5°	32.0	28.8	24.3	20.6	18.3	17.0	15.7	14.0	12.2	10.5	9.5	28.6	958.9
75,0°	26.0	23.6	20.6	17.6	15.9	14.4	13.5	12.2	10.5	8.8	8.2	18.8	977.8
77,5°	20.6	18.7	16.8	14.6	13.1	12.0	11.2	9.9	8.6	6.9	6.9	10.4	988.2
80,0°	15.9	13.3	12.0	11.0	10.1	9.5	8.6	7.5	6.4	5.6	5.6	5.2	993.4
82,5°	11.6	9.7	8.2	7.7	7.5	7.1	6.4	5.6	4.7	4.3	4.3	3.0	996.5
85,0°	6.7	6.7	5.6	5.2	5.2	4.9	4.3	3.9	3.4	3.2	3.0	2.1	998.6
87,5°	4.5	4.1	3.9	3.4	3.4	3.0	2.6	2.6	2.4	2.1	2.1	1.4	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

<b>Familie</b> <b>DL® 30 LED</b>	<b>Bestell-Nr.: 5XA5132S1B08A1</b> <b>EAN: 4058352059470</b>	<b>LP-Nummer</b> <b>57198_8</b>
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<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>siteco</b>
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Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	1600	12.5	12.7	12.6
95	241	1518	12.0	12.2	12.1
90	229	1443	11.4	11.6	11.5
85	216	1361	10.8	11.0	10.9
80	203	1279	10.2	10.4	10.3
75	190	1197	9.7	9.9	9.8
70	178	1121	9.2	9.3	9.2
65	165	1039	8.6	8.7	8.6
60	152	957	8.0	8.1	8.0
55	140	882	7.5	7.6	7.6
50	127	800	6.9	7.0	7.0
45	114	718	6.4	6.5	6.4
40	102	643	5.8	5.9	5.8
35	89	561	5.3	5.4	5.4
32	81	510	4.9	5.0	5.0