

## Lichttechnischer Prüfbefund

**Familie**  
**Streetlight 21 maxi LED**

**Bestell-Nr.: TBD**  
**EAN: TBD**

**LP-Nummer**



**Ausführung** Mastansatz- / Mastaufsatzmontage  
**Optik** asymmetrisch strahlend ST1.0a  
**Abdeckung** Einscheibensicherheitsglas (ESG)  
**Bestückung** LED 3000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Smart Interface  
**Bemessungswerte** Nettolichtstrom = 31540 lm  
 Systemleistung = 275.5 W  
 Lichtausbeute = 114.5 lm/W

**Seriendokumentation**  
15.11.2019

**siteco**

**Lichtstärke in cd/klm**

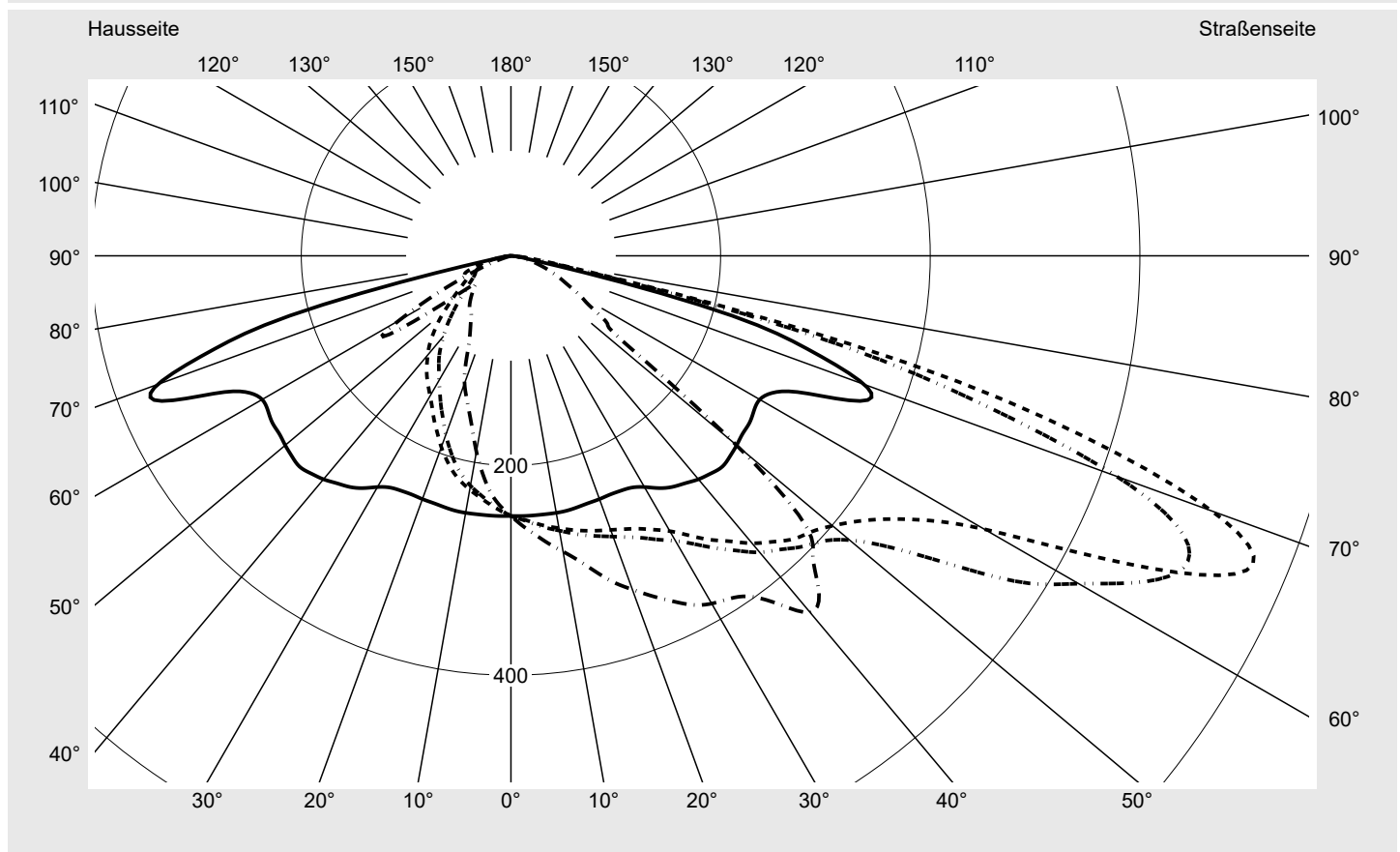
**C180-0**

**C205-25**

**C210-30**

**C270-90**

**Imax: 767 cd/klm**



**Leuchtenbetriebswirkungsgrade**

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

**Lichtstärkeklasse nach EN13201-2**

Klasse: G3  
 Imax 70° 711.9  
 Imax 80° 41.6  
 Imax 90° 0.0  
 Imax >90° 0.0  
 Imax >95° 0.0

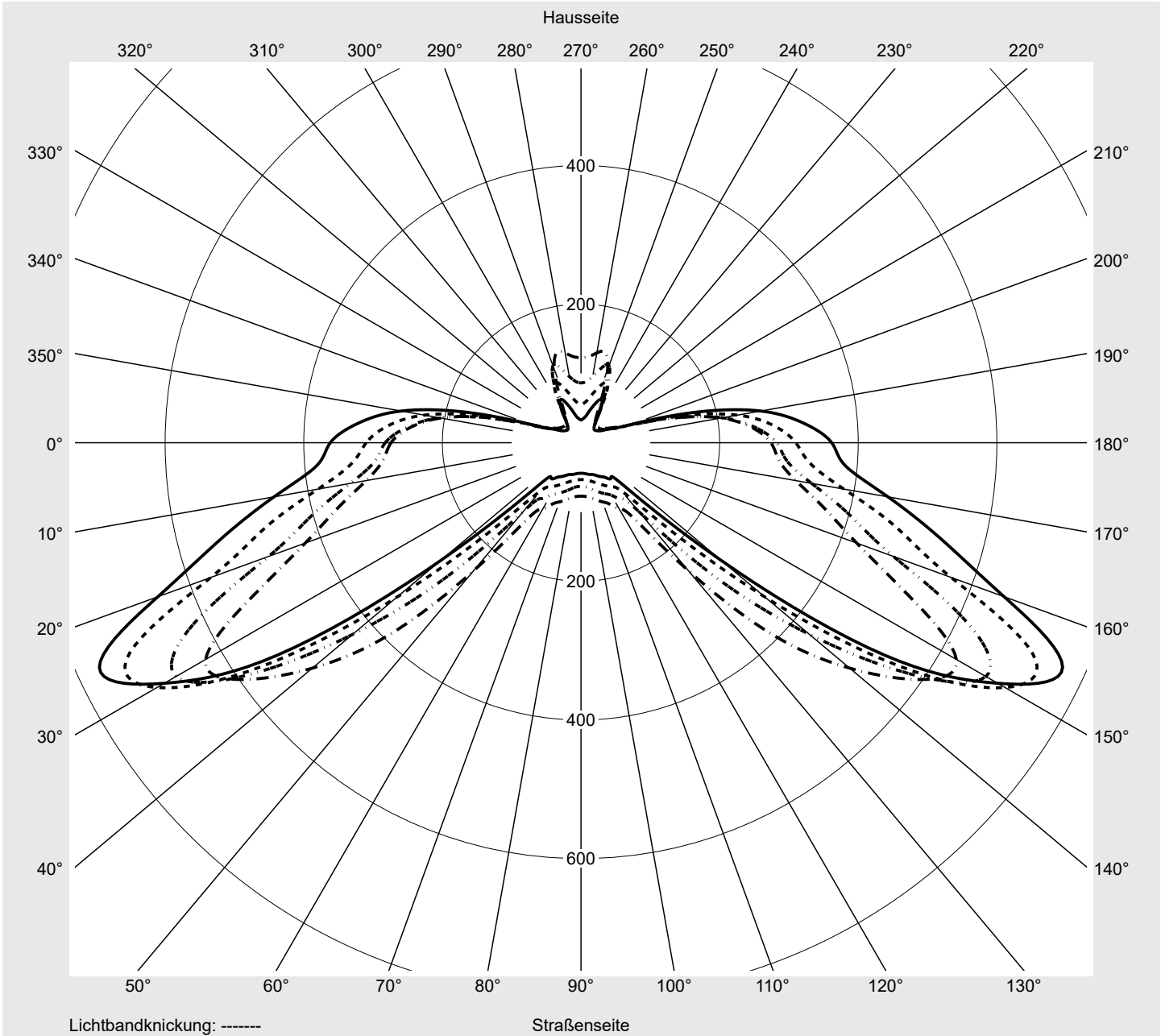
**Messbedingungen**

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

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**Kegelmantelkurven in cd/klm**    **KMK 67,5°**    **KMK 65°**    **KMK 62,5°**    **KMK 60°**    **siteco**



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<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>siteco</b>
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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°	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1
2,5°	248.4	249.2	249.8	250.1	250.7	251.4	252.0	252.7	253.3	254.1	254.6	255.2	255.7
5,0°	248.5	250.1	251.6	252.8	254.2	255.7	256.9	258.3	259.4	260.7	261.6	262.8	263.7
7,5°	248.6	251.2	253.6	255.8	258.0	260.0	261.8	263.5	265.3	267.1	268.6	270.3	271.6
10,0°	248.9	252.3	255.6	258.4	261.2	263.7	266.1	268.7	271.1	273.8	275.9	278.1	279.9
12,5°	248.8	253.3	257.1	260.9	264.5	267.7	271.2	274.8	278.2	281.6	284.3	286.8	288.9
15,0°	247.9	253.0	257.7	262.3	266.9	271.4	275.9	280.5	285.0	289.4	292.6	295.9	299.2
17,5°	247.1	253.2	258.5	263.9	269.4	274.8	280.3	286.0	291.5	296.8	302.2	307.6	311.6
20,0°	246.9	253.5	259.2	265.4	271.8	278.2	285.0	291.9	298.7	305.1	311.4	317.8	323.2
22,5°	246.5	253.8	259.9	267.0	274.5	282.2	290.4	298.9	307.1	314.5	321.8	327.7	333.8
25,0°	247.3	254.9	261.5	269.6	277.7	287.2	296.8	306.1	315.0	323.1	330.3	336.4	342.2
27,5°	249.2	257.9	265.2	273.9	283.5	294.4	305.2	314.5	323.6	331.3	338.9	345.5	351.8
30,0°	254.6	264.1	272.1	280.8	291.8	303.2	314.0	323.3	331.4	339.0	346.2	353.3	360.0
32,5°	262.7	273.1	282.1	291.4	303.5	316.1	326.0	334.0	340.5	346.9	353.5	360.2	366.4
35,0°	269.0	280.6	290.9	302.1	316.3	330.5	340.3	346.7	351.2	355.4	360.1	364.6	369.2
37,5°	273.3	286.3	297.8	310.7	327.2	343.2	354.4	359.9	362.0	363.9	365.4	367.0	371.7
40,0°	278.2	292.4	305.5	320.8	339.6	357.9	369.1	372.9	373.4	371.6	369.7	376.3	397.7
42,5°	281.8	297.4	312.0	329.7	350.8	369.9	379.9	384.4	383.2	379.9	390.1	415.7	437.1
45,0°	284.8	300.8	317.6	338.9	362.8	381.8	392.4	396.3	397.1	417.9	447.0	453.9	447.6
47,5°	283.3	299.9	318.5	343.4	369.0	389.3	402.9	412.0	439.1	482.2	474.3	452.5	434.3
50,0°	281.1	296.3	315.1	343.8	373.0	400.6	421.9	458.4	516.3	508.9	470.5	436.8	416.3
52,5°	278.6	293.4	311.6	342.5	376.8	416.0	456.9	536.2	552.0	507.3	461.8	424.2	389.7
55,0°	277.8	291.3	309.6	344.1	386.3	437.8	513.6	585.3	553.4	495.9	444.2	378.1	269.9
57,5°	274.9	287.3	308.5	349.3	398.6	469.4	580.1	600.3	537.3	465.6	368.6	228.2	142.0
60,0°	274.1	286.7	314.6	363.1	423.4	521.5	625.4	595.7	505.9	392.8	241.2	133.0	109.8
62,5°	282.5	298.1	337.9	400.8	479.8	615.6	674.5	582.6	430.4	273.2	129.1	98.4	87.4
65,0°	309.9	331.1	385.2	470.8	568.4	718.7	706.4	563.2	346.1	164.2	90.5	77.9	71.7
67,5°	361.8	383.0	449.8	538.4	649.7	766.7	694.1	533.8	264.9	87.6	67.1	61.2	56.4
70,0°	358.5	382.7	459.0	536.5	655.7	711.9	615.3	444.1	165.9	60.9	53.5	49.8	45.8
72,5°	298.1	334.8	399.4	453.3	557.2	573.3	473.5	292.0	73.9	45.3	43.1	40.1	37.0
75,0°	210.8	244.4	269.0	284.1	340.5	377.5	314.7	138.4	46.6	36.0	34.5	32.4	30.5
77,5°	56.0	65.7	78.2	104.7	136.6	125.0	109.3	52.6	29.1	27.0	26.9	25.9	24.2
80,0°	15.2	15.8	20.1	27.5	40.6	41.6	35.5	27.2	19.1	19.6	21.5	21.3	18.5
82,5°	7.3	7.7	9.7	12.8	16.6	16.8	15.4	12.4	11.1	11.6	14.4	14.8	12.5
85,0°	3.8	3.8	4.3	5.2	6.3	6.1	5.7	5.2	4.7	4.9	5.7	6.6	5.9
87,5°	1.8	1.8	1.9	1.9	2.1	2.1	1.9	1.8	1.6	1.5	1.6	1.7	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
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>
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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°	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1
2,5°	256.3	256.7	257.1	257.6	257.8	257.9	247.3	246.3	245.0	244.0	243.0	242.0	241.3
5,0°	264.6	265.3	265.8	266.5	266.9	267.0	246.2	243.8	241.3	239.3	237.5	235.8	234.4
7,5°	273.1	274.3	275.4	276.2	276.7	276.9	244.7	240.8	237.5	234.6	231.9	229.2	226.6
10,0°	281.8	283.3	284.6	285.8	286.3	286.4	243.5	238.6	234.4	230.5	226.5	222.6	218.7
12,5°	291.2	293.4	295.2	296.7	297.5	297.6	242.4	236.7	231.5	226.1	220.4	214.5	208.4
15,0°	302.4	305.4	308.0	310.1	311.3	311.8	241.3	234.6	227.8	220.9	213.2	205.1	196.6
17,5°	315.7	319.5	322.1	324.4	325.9	326.5	239.2	231.2	223.0	214.1	204.0	193.5	183.1
20,0°	327.8	331.8	334.5	336.4	338.1	338.7	237.9	228.1	218.3	206.9	194.2	181.6	170.3
22,5°	338.5	342.7	345.3	347.6	349.8	351.1	236.1	225.1	213.0	199.0	183.2	169.0	157.4
25,0°	347.4	352.3	355.9	359.0	361.7	363.3	235.5	222.6	208.2	191.5	173.3	157.9	146.2
27,5°	357.8	363.4	367.4	370.4	373.6	375.3	236.0	220.7	203.3	183.3	162.8	146.8	134.7
30,0°	365.7	371.0	375.1	378.1	381.2	383.0	239.8	221.8	200.6	176.7	154.3	137.2	124.2
32,5°	371.3	375.9	379.7	382.4	385.9	387.8	246.2	226.1	201.0	172.5	146.9	128.0	113.1
35,0°	373.0	378.1	383.9	389.8	394.4	396.6	251.8	229.0	199.2	166.5	139.8	119.8	102.9
37,5°	381.4	397.9	408.6	414.4	417.3	418.3	254.9	230.0	196.1	159.6	131.8	110.2	92.3
40,0°	417.7	433.1	441.9	444.7	443.9	443.8	258.4	229.9	191.9	152.2	123.4	100.2	81.3
42,5°	446.9	446.4	443.0	439.0	435.6	434.8	260.1	229.0	187.2	145.0	114.9	90.4	72.1
45,0°	439.7	430.4	421.1	414.0	409.1	407.5	261.5	227.5	181.3	136.2	104.7	80.3	64.2
47,5°	421.2	409.3	399.1	389.8	384.1	382.0	259.2	223.2	174.2	127.0	94.4	71.2	58.1
50,0°	399.7	379.1	353.2	320.6	292.0	280.9	255.8	217.3	165.8	115.8	83.7	62.8	52.9
52,5°	339.0	247.0	174.3	148.7	140.8	139.0	252.1	212.1	158.1	105.4	73.4	55.8	48.5
55,0°	171.2	139.3	127.2	118.6	113.6	112.2	251.2	209.1	150.6	94.9	65.1	50.6	44.5
57,5°	122.4	109.9	100.3	94.0	90.8	89.7	248.8	206.1	145.2	85.0	57.2	45.4	40.5
60,0°	97.7	90.8	85.5	80.7	77.9	77.1	248.1	205.2	139.6	76.7	51.8	41.7	37.4
62,5°	81.2	75.6	70.7	66.3	63.7	63.1	252.6	207.3	137.1	70.3	47.5	38.8	34.8
65,0°	66.1	61.3	57.6	54.9	53.6	53.2	279.7	229.4	149.2	74.1	49.2	37.3	32.7
67,5°	52.1	48.8	47.4	45.7	44.4	44.1	322.7	263.4	169.0	77.1	48.1	35.4	30.0
70,0°	42.8	40.8	39.3	37.7	36.3	36.0	319.9	263.9	163.8	69.2	45.4	32.3	27.1
72,5°	35.0	32.9	30.9	29.7	28.1	27.9	268.7	230.6	146.1	56.9	37.2	27.7	23.5
75,0°	28.7	25.7	23.6	22.6	21.5	21.3	182.9	158.1	102.0	43.3	29.6	22.9	20.1
77,5°	21.6	18.6	16.6	15.5	14.9	14.8	55.6	55.9	37.7	23.9	20.5	16.9	15.4
80,0°	14.9	12.5	11.0	10.2	9.8	9.7	14.6	14.0	12.6	12.2	12.0	10.7	10.2
82,5°	9.3	7.4	6.5	6.0	5.6	5.5	7.3	7.0	6.8	7.1	6.8	5.9	5.4
85,0°	4.3	3.4	3.0	2.8	2.6	2.5	3.6	3.5	3.4	3.4	3.1	2.8	2.5
87,5°	1.4	1.2	1.1	1.0	1.0	1.0	1.8	1.7	1.7	1.6	1.5	1.4	1.3
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>
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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°	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1	0.4	0.4
2,5°	240.6	240.0	239.4	239.0	238.6	238.4	238.2	238.1	238.1	238.3	238.5	3.0	3.3
5,0°	233.0	231.8	230.4	229.3	228.3	227.4	226.8	226.2	226.0	225.9	226.0	5.9	9.2
7,5°	224.1	221.5	219.0	216.6	214.5	212.6	211.2	210.0	209.1	208.7	208.8	8.8	18.0
10,0°	214.5	210.3	206.2	202.4	198.9	195.9	193.6	191.8	190.5	189.9	189.7	11.5	29.5
12,5°	202.0	195.6	190.0	184.8	180.5	176.9	174.2	172.2	170.5	169.9	169.8	14.2	43.7
15,0°	188.3	180.6	174.0	168.6	164.1	160.7	158.1	156.2	154.7	154.1	154.0	16.8	60.6
17,5°	173.9	166.0	159.6	154.6	150.6	147.6	145.2	143.4	141.9	141.3	141.3	19.5	80.0
20,0°	161.0	153.6	147.9	143.4	139.8	136.8	134.4	132.2	130.4	129.5	129.4	22.0	102.0
22,5°	148.4	141.7	136.3	131.9	127.9	124.7	122.0	119.1	115.7	113.7	113.3	24.5	126.5
25,0°	137.5	130.8	125.3	120.1	114.7	110.1	108.2	105.1	100.0	96.7	96.0	26.8	153.3
27,5°	125.5	118.2	111.4	104.7	98.0	92.4	92.5	93.3	89.3	85.3	84.8	29.2	182.5
30,0°	114.2	105.7	97.8	90.2	83.9	80.6	81.3	85.2	81.7	77.5	77.1	31.6	214.1
32,5°	101.4	91.6	83.0	76.9	74.2	73.2	73.0	73.0	72.1	71.1	70.9	34.0	248.0
35,0°	89.0	78.2	71.1	68.6	68.2	68.2	67.9	67.6	66.6	66.1	66.2	36.5	284.5
37,5°	78.3	68.6	64.1	63.3	63.6	63.9	64.1	64.1	63.8	63.8	64.4	39.3	323.8
40,0°	68.1	61.3	58.9	58.5	59.4	60.7	61.7	61.5	61.0	60.9	61.4	42.6	366.4
42,5°	61.1	55.9	54.2	54.9	56.7	58.2	58.8	58.3	57.8	57.3	57.3	45.5	411.9
45,0°	55.9	52.2	51.0	51.6	53.4	54.5	55.1	55.2	53.8	53.0	53.1	47.8	459.7
47,5°	52.3	50.0	49.3	49.2	49.9	51.0	51.8	51.5	50.0	49.2	49.3	49.6	509.3
50,0°	49.3	48.0	47.7	46.3	46.3	47.3	48.2	47.3	46.3	45.8	45.8	50.0	559.3
52,5°	46.9	46.6	44.7	42.9	42.7	43.9	44.6	44.4	44.1	44.8	45.5	47.4	606.6
55,0°	43.1	41.7	39.7	39.0	39.5	41.6	48.9	62.7	72.9	81.6	84.4	46.4	653.0
57,5°	38.6	37.0	36.1	36.0	39.1	53.2	76.5	109.1	134.0	141.9	142.6	46.1	699.1
60,0°	35.2	34.0	33.4	35.2	45.2	70.3	112.2	134.6	131.6	124.6	123.0	45.3	744.4
62,5°	32.5	31.0	31.4	36.3	52.7	90.1	118.2	110.9	97.2	88.8	86.4	44.6	789.0
65,0°	30.2	29.0	30.4	37.4	58.1	91.7	90.1	76.7	64.7	57.9	55.3	45.3	834.3
67,5°	27.6	26.9	29.5	37.2	57.6	69.0	60.0	47.8	38.7	34.9	32.9	46.2	880.5
70,0°	25.1	24.9	27.6	35.2	46.1	47.5	39.1	31.9	27.2	23.2	20.7	43.0	923.6
72,5°	21.8	21.8	24.6	29.2	32.2	31.1	27.1	21.6	15.2	9.7	5.3	35.0	958.6
75,0°	18.7	18.7	20.6	22.2	22.2	22.6	20.8	15.3	9.5	4.3	1.1	23.7	982.3
77,5°	14.7	14.7	15.4	15.7	15.1	17.6	16.3	11.4	6.6	2.8	0.7	9.8	992.1
80,0°	9.8	9.8	11.9	10.6	11.5	13.5	11.7	7.8	4.6	1.7	0.6	4.2	996.3
82,5°	5.3	5.1	7.0	6.4	8.0	9.1	7.6	5.1	2.7	0.9	0.5	2.3	998.6
85,0°	2.3	2.2	2.1	2.6	3.7	4.4	3.7	2.2	1.2	0.5	0.4	1.0	999.6
87,5°	1.1	1.0	1.0	0.9	0.9	0.8	0.6	0.5	0.4	0.4	0.3	0.4	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>Streetlight 21 maxi LED</b>	<b>Bestell-Nr.: TBD</b> <b>EAN: TBD</b>	<b>LP-Nummer</b>
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<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>sITeco</b>
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	31540	275.5	298.1	286.8
95	238	252	29934	258.0	278.9	268.4
90	223	249	28418	241.4	260.9	251.2
85	208	247	26857	225.6	243.5	234.6
80	193	244	25241	209.1	226.1	217.6
75	179	241	23692	194.0	209.4	201.7
70	165	238	22123	179.0	193.2	186.1
65	151	235	20497	164.1	177.1	170.6
60	138	232	18948	150.4	162.2	156.3
55	125	228	17391	136.6	147.3	142.0
50	112	224	15784	123.2	132.6	127.9
45	99	219	14176	109.9	118.1	114.0
40	87	215	12625	97.3	104.4	100.8
35	75	209	11073	84.9	90.9	87.9
30	62	202	9400	71.8	76.7	74.2
25	51	195	7886	60.5	64.6	62.6
20	39	185	6288	48.8	51.8	50.3
17	32	178	5324	42.1	44.4	43.2

