

## Lichttechnischer Prüfbefund

**Familie**  
**Streetlight 21 micro LED**

**Bestell-Nr.: 5XE1M31G08CB**  
**EAN: 4058352740613**

**LP-Nummer**  
**59152\_1080**



**Ausführung** Mastansatz- / Mastaufsatzmontage  
**Optik** asymmetrisch, breit strahlend (ST1.0a), Back Light Control (BLC)  
**Abdeckung** Einscheibensicherheitsglas (ESG)  
**Bestückung** LED 3000 K | CRI ≥ 70  
**Betriebsgerät** EVG SITECO iQ  
**Bemessungswerte** Nettolichtstrom = 2520 lm  
 Systemleistung = 19.4 W  
 Lichtausbeute = 129.9 lm/W

**Seriendokumentation**  
**16.05.2023**

**siteco**

**Lichtstärke in cd/klm**

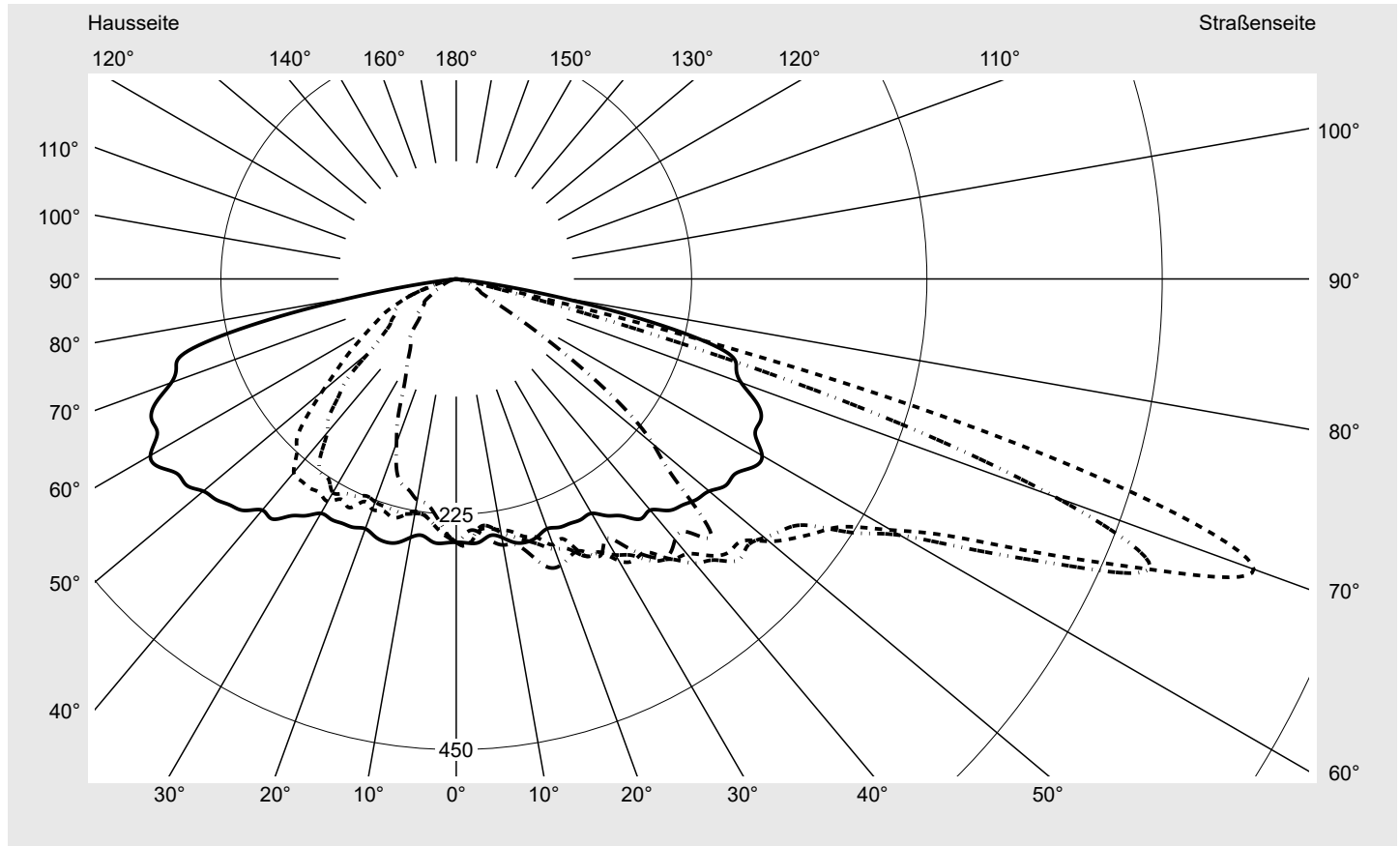
**C180-0**

**C205-25**

**C210-30**

**C270-90**

**Imax: 811 cd/klm**



**Leuchtenbetriebswirkungsgrade**

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

**Lichtstärkeklasse nach EN13201-2**

Klasse: G3  
 Imax 70° 811.4  
 Imax 80° 97.1  
 Imax 90° 0.0  
 Imax >90° 0.0  
 Imax >95° 0.0

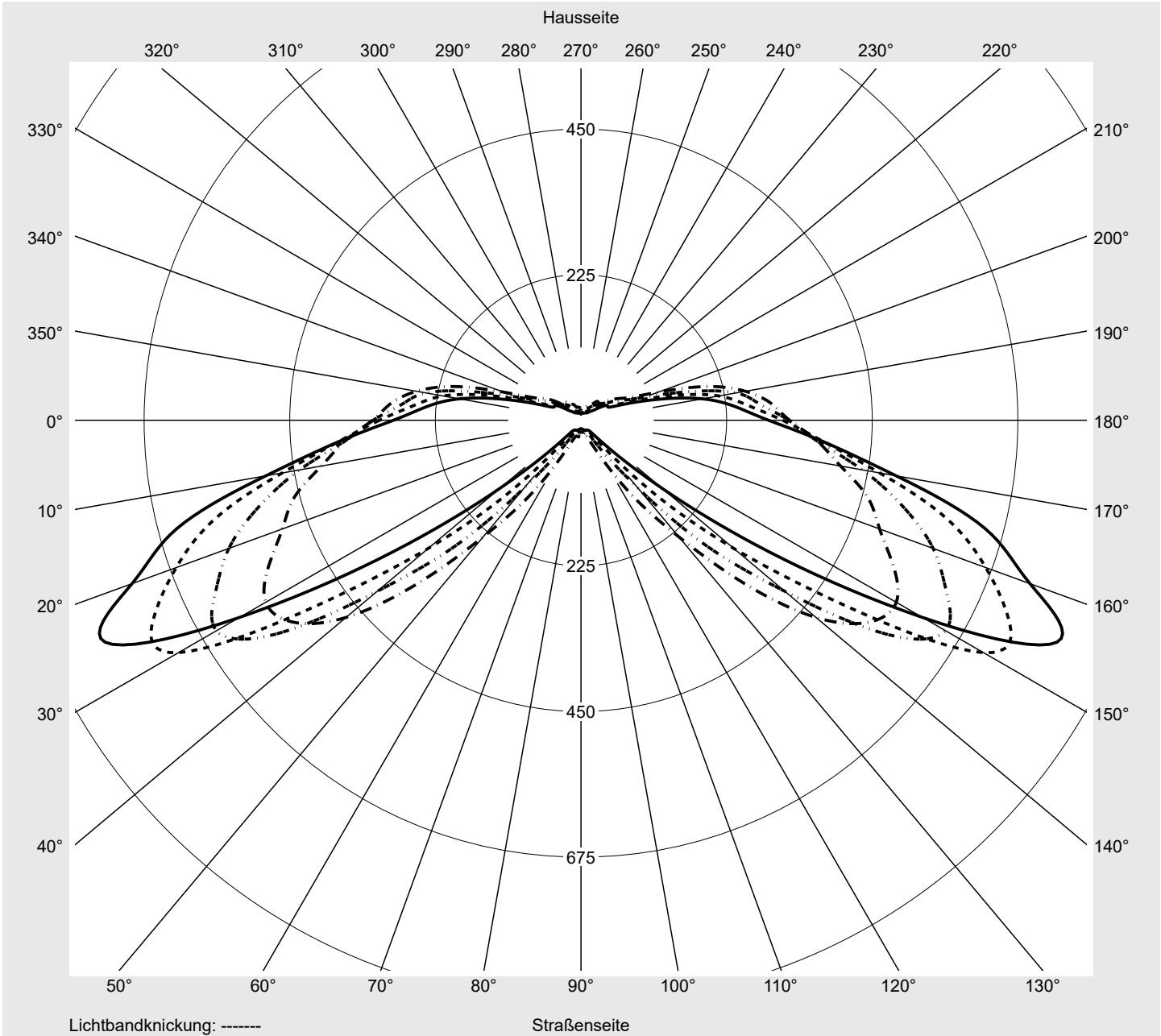
**Messbedingungen**

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

<b>Familie</b> Streetlight 21 micro LED	<b>Bestell-Nr.:</b> 5XE1M31G08CB <b>EAN:</b> 4058352740613	<b>LP-Nummer</b> 59152_1080
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**Kegelmantelkurven in cd/klm**    **KMK 70°**    **KMK 67.5°**    **KMK 65°**    **KMK 62.5°**    **siteco**



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<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°	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7
2,5°	252.7	252.6	255.1	255.9	254.5	255.0	254.0	252.2	251.7	247.4	245.6	244.7	243.6
5,0°	252.7	247.6	244.8	246.2	244.1	242.4	239.8	236.2	239.7	236.4	232.5	233.6	234.3
7,5°	247.5	246.2	247.0	241.4	241.5	240.8	238.5	238.2	237.0	239.8	242.0	244.4	244.4
10,0°	250.9	251.6	254.7	244.8	240.1	243.6	246.0	248.9	247.1	245.5	243.2	248.5	256.4
12,5°	258.1	251.0	248.5	247.9	244.5	247.6	252.4	251.2	250.3	256.2	259.5	260.6	263.5
15,0°	260.4	253.2	248.3	249.4	250.9	255.1	259.0	261.5	258.8	265.7	270.2	267.9	269.6
17,5°	258.3	257.3	247.8	248.7	251.9	259.5	266.5	266.0	275.2	277.4	277.3	277.8	286.1
20,0°	254.1	250.5	251.9	255.9	262.1	270.4	275.0	276.8	276.7	279.1	278.4	285.9	281.5
22,5°	257.0	252.2	255.3	268.1	272.7	269.3	279.3	285.9	287.4	287.8	284.5	282.2	286.1
25,0°	257.8	257.2	270.3	273.8	283.2	292.2	292.5	297.3	302.1	298.9	293.3	289.8	292.8
27,5°	259.1	258.9	269.3	275.9	290.3	294.3	295.3	301.0	295.9	293.4	289.9	296.4	293.1
30,0°	258.8	273.0	282.5	292.7	295.7	311.0	304.7	312.4	300.4	305.3	301.8	299.0	302.9
32,5°	268.4	281.3	284.7	297.6	311.2	318.2	313.4	319.9	315.8	313.8	308.7	313.3	302.9
35,0°	276.6	287.2	295.6	296.7	309.7	318.9	329.3	329.7	312.6	320.8	315.6	320.8	316.5
37,5°	289.2	297.8	300.2	316.3	319.7	337.4	337.7	332.8	327.5	323.7	318.9	318.2	332.2
40,0°	288.5	305.0	310.1	313.4	327.9	343.2	354.8	344.9	337.5	333.4	324.7	347.2	341.1
42,5°	300.3	309.6	317.1	332.9	343.7	358.8	364.5	353.0	347.4	337.7	344.4	349.5	356.9
45,0°	305.8	317.1	325.5	333.0	349.1	369.1	380.6	362.0	354.6	368.9	366.8	388.4	383.2
47,5°	312.0	313.3	325.1	341.9	368.3	370.8	377.7	368.2	368.3	388.5	397.5	390.1	382.7
50,0°	315.7	324.5	327.1	342.0	370.4	390.2	384.7	382.7	398.7	421.6	412.3	380.7	354.1
52,5°	324.5	324.8	337.8	340.4	373.5	407.0	394.1	398.2	435.2	435.4	412.2	358.0	310.7
55,0°	325.2	339.0	343.2	354.4	370.6	422.3	410.7	440.5	443.3	424.3	372.3	320.6	285.2
57,5°	335.5	346.3	354.6	362.1	389.2	440.8	451.8	462.3	460.2	409.5	351.4	299.4	233.2
60,0°	337.7	358.8	382.6	394.8	422.9	480.1	490.2	493.0	465.8	401.4	305.0	234.6	170.2
62,5°	322.3	366.3	407.2	458.3	491.0	532.4	562.5	543.7	474.1	356.4	235.0	151.7	80.7
65,0°	320.9	365.9	441.4	515.0	579.1	622.5	650.4	576.3	411.2	274.5	136.3	61.5	26.5
67,5°	311.5	375.7	468.6	584.1	665.5	729.3	718.0	501.2	307.7	161.4	52.8	22.8	20.7
70,0°	289.9	375.0	494.5	646.3	738.3	811.4	609.3	353.6	163.9	60.9	24.9	18.9	17.3
72,5°	280.7	388.9	529.3	634.1	740.9	675.2	389.9	143.3	60.4	27.9	16.8	16.0	15.2
75,0°	265.2	365.2	466.4	531.9	584.7	383.0	130.8	41.7	27.5	17.8	14.0	12.8	11.6
77,5°	192.5	248.8	264.2	279.3	239.7	78.3	24.8	16.9	12.2	9.5	10.3	8.9	7.8
80,0°	95.5	89.9	86.1	97.1	65.8	14.7	10.3	5.9	5.3	5.7	6.8	5.1	5.0
82,5°	25.0	19.4	13.4	7.5	11.9	4.8	3.8	3.1	3.0	2.4	2.7	2.7	2.2
85,0°	1.0	1.6	1.6	1.3	1.4	1.6	1.4	1.2	1.4	0.9	1.2	0.9	1.0
87,5°	0.4	0.4	0.4	0.5	0.5	0.5	0.3	0.6	0.5	0.4	0.4	0.4	0.4
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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<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°	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7
2,5°	243.6	243.2	243.3	241.2	240.5	242.2	250.2	248.9	247.1	245.4	245.5	243.3	240.0
5,0°	234.1	234.7	239.6	243.4	242.3	242.8	249.9	251.9	245.5	241.3	236.8	236.2	233.4
7,5°	243.7	243.8	244.1	247.6	248.9	252.1	248.0	241.8	234.4	231.7	228.2	228.4	225.5
10,0°	257.2	254.6	250.4	251.4	252.5	258.3	242.9	242.6	235.3	228.9	225.6	227.8	225.5
12,5°	261.6	262.7	263.6	260.7	258.4	260.1	257.9	249.1	241.8	233.6	231.4	229.9	224.5
15,0°	273.9	274.4	275.1	277.9	277.1	272.5	263.7	252.8	241.7	241.0	236.1	228.8	219.4
17,5°	276.7	270.5	275.6	275.9	279.5	288.6	260.3	251.3	244.9	237.3	232.4	228.0	216.6
20,0°	285.2	286.3	287.4	283.7	284.5	291.4	254.3	265.1	245.3	240.9	234.4	226.8	227.8
22,5°	290.7	287.8	282.6	280.9	284.6	286.4	258.8	258.1	247.1	240.8	230.3	224.6	223.8
25,0°	290.9	287.2	284.9	293.2	285.2	287.3	253.7	262.3	252.9	244.0	241.3	229.1	223.8
27,5°	289.3	299.7	289.5	293.7	287.8	298.4	247.8	259.9	263.0	254.6	237.6	231.2	222.7
30,0°	304.3	292.9	297.5	300.8	300.7	286.7	261.7	260.3	261.4	242.3	245.5	235.9	219.5
32,5°	305.9	308.9	297.2	312.5	307.7	304.5	270.7	266.6	261.3	257.8	242.7	227.1	210.7
35,0°	312.3	315.7	323.4	321.9	326.7	324.5	274.1	271.0	269.6	262.0	244.2	226.0	186.2
37,5°	342.6	338.0	331.5	344.3	331.4	333.1	273.8	276.4	276.8	258.8	243.4	213.1	165.6
40,0°	350.0	346.7	344.9	344.4	337.9	325.4	288.1	279.6	275.1	264.7	241.7	191.8	147.8
42,5°	364.9	348.0	345.2	345.9	342.0	328.4	291.2	281.7	286.2	261.6	225.5	181.1	134.3
45,0°	364.0	353.2	344.2	344.8	339.4	344.7	297.8	279.5	275.9	253.2	215.4	159.3	121.5
47,5°	357.3	337.5	304.9	296.2	280.5	284.0	305.0	284.6	285.2	249.7	192.9	141.3	109.9
50,0°	314.0	275.9	263.2	255.3	247.2	245.9	311.3	293.6	273.0	229.3	166.9	107.3	88.1
52,5°	278.1	253.7	229.4	220.1	205.6	201.2	315.6	297.5	264.7	208.9	144.9	89.3	79.1
55,0°	239.5	201.5	165.8	154.9	144.9	137.0	312.2	294.2	259.8	194.6	127.1	78.0	74.1
57,5°	183.6	138.9	110.6	88.6	79.1	74.1	313.5	287.5	236.2	170.2	109.8	73.2	66.2
60,0°	111.5	71.4	46.5	37.5	35.2	32.8	311.2	271.5	216.0	147.6	95.5	67.8	62.2
62,5°	42.8	28.4	25.5	26.0	25.5	25.7	295.3	257.9	201.5	127.0	83.6	67.2	53.8
65,0°	23.4	23.1	22.8	23.5	21.6	21.4	278.4	243.5	170.0	104.7	73.6	60.2	48.1
67,5°	20.9	19.5	18.9	18.8	18.6	18.7	259.7	216.3	148.1	85.9	59.1	57.9	41.2
70,0°	17.3	16.9	14.9	14.9	13.3	13.2	239.7	190.8	125.8	74.2	47.9	45.9	33.0
72,5°	14.5	13.7	11.8	11.8	9.4	10.7	215.6	168.6	110.3	54.9	29.2	33.4	25.5
75,0°	10.2	9.6	8.6	7.6	7.1	8.2	187.2	114.4	77.4	24.7	20.0	22.7	19.4
77,5°	6.8	6.5	5.6	5.4	5.0	4.8	100.2	23.1	17.9	7.8	11.3	11.5	11.8
80,0°	3.9	4.2	3.1	3.3	3.8	3.3	40.0	7.2	6.0	5.2	7.0	6.8	6.4
82,5°	2.1	2.1	1.7	2.3	1.9	1.6	10.0	3.5	3.0	2.4	3.3	3.1	2.9
85,0°	0.8	1.0	0.6	0.7	0.6	0.6	1.5	1.2	1.1	1.1	1.1	1.3	1.1
87,5°	0.4	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.2	0.4	0.3	0.2	0.1
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

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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°	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	0.4	0.4
2,5°	240.3	241.6	238.8	237.8	237.5	239.7	242.6	244.7	244.9	242.1	241.0	2.9	3.3
5,0°	228.5	228.0	227.0	225.7	228.3	227.7	229.0	226.6	226.4	225.7	226.7	5.7	9.0
7,5°	228.3	226.6	219.5	221.8	216.9	216.1	216.6	215.9	217.8	218.5	216.7	8.4	17.4
10,0°	218.6	215.1	214.8	214.4	213.9	212.4	209.8	207.9	207.4	213.1	214.6	11.2	28.6
12,5°	222.9	224.9	218.4	214.2	208.1	211.3	215.6	212.9	208.3	206.4	207.2	14.2	42.8
15,0°	213.8	216.2	213.4	214.0	210.7	206.1	202.7	200.1	201.7	201.8	202.6	17.2	60.1
17,5°	213.2	212.5	216.4	210.3	205.3	203.3	199.8	189.2	192.6	193.9	189.9	20.1	80.2
20,0°	221.3	208.9	205.5	200.6	189.2	182.7	179.3	173.8	164.6	163.6	167.0	22.8	102.9
22,5°	220.7	214.8	198.3	184.9	172.2	159.3	158.7	146.8	146.8	144.1	146.6	25.2	128.1
25,0°	217.0	197.4	182.7	161.6	153.9	143.9	140.8	132.9	136.9	126.6	121.7	27.8	155.9
27,5°	207.1	180.6	159.0	145.7	138.5	128.8	124.3	119.3	110.8	107.1	104.5	29.9	185.9
30,0°	187.4	164.9	146.0	133.8	122.6	115.2	100.8	101.8	98.2	93.7	93.5	32.4	218.3
32,5°	173.5	148.1	134.8	114.4	104.9	102.5	95.5	91.7	86.3	82.3	83.0	35.0	253.3
35,0°	154.6	136.4	115.1	101.4	100.1	95.8	89.4	82.3	80.9	75.6	76.0	37.5	290.8
37,5°	136.6	117.1	104.1	96.7	95.3	87.5	84.6	81.1	77.0	76.2	72.8	40.4	331.2
40,0°	121.4	107.1	99.6	91.1	89.3	82.0	77.5	73.8	68.3	66.8	65.6	42.9	374.0
42,5°	113.6	96.2	91.9	86.0	85.0	79.7	71.7	68.0	59.4	56.2	53.6	45.4	419.4
45,0°	100.6	90.9	85.7	81.0	74.3	66.6	57.9	54.8	51.6	51.5	49.7	47.7	467.1
47,5°	93.6	83.1	73.5	70.4	63.4	53.5	51.8	47.0	51.1	49.2	51.2	48.6	515.7
50,0°	84.1	73.4	60.5	61.0	52.7	47.5	47.1	44.9	45.0	43.7	42.9	48.6	564.3
52,5°	75.3	64.9	55.6	50.1	46.6	40.8	42.4	40.3	40.5	36.3	38.4	48.6	613.0
55,0°	64.4	54.4	47.2	42.8	42.1	38.4	38.0	35.6	33.6	34.1	36.2	47.5	660.5
57,5°	53.1	46.8	44.4	39.8	37.9	35.5	33.5	33.2	32.2	31.5	28.2	46.2	706.7
60,0°	44.6	40.4	41.3	35.5	32.0	30.9	30.1	30.0	29.4	28.7	24.4	44.7	751.4
62,5°	40.0	38.3	37.9	30.7	28.1	26.9	22.0	20.8	20.6	19.4	17.2	44.1	795.5
65,0°	37.9	33.8	30.2	24.9	21.3	19.0	18.2	16.5	16.8	16.2	14.2	43.7	839.1
67,5°	30.5	27.2	21.8	17.6	15.1	15.1	14.7	14.6	14.7	13.4	12.3	42.8	881.9
70,0°	22.9	18.7	15.1	14.0	13.3	12.0	11.9	12.1	11.4	11.7	9.5	40.0	921.9
72,5°	18.9	15.1	13.3	11.8	10.6	9.5	8.2	7.9	7.5	7.0	7.5	34.4	956.3
75,0°	14.0	11.5	8.9	9.5	7.5	5.9	4.0	4.3	4.2	3.7	3.9	25.3	981.7
77,5°	10.3	7.2	5.6	5.4	3.9	2.9	2.4	2.5	1.9	2.4	2.1	12.3	994.0
80,0°	6.0	3.9	3.0	2.5	1.9	1.4	1.2	0.9	1.0	0.9	1.0	4.6	998.6
82,5°	2.5	1.9	0.8	0.6	0.7	0.4	0.3	0.2	0.3	0.4	0.4	1.1	999.7
85,0°	0.9	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	999.9
87,5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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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<b>Dimmstufen-Tabelle</b>		<b>siteco</b>
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	2520	19.4	19.9	19.6
95	241	252	2391	18.2	18.8	18.5
90	229	250	2272	17.2	17.7	17.4
85	216	248	2143	16.2	16.6	16.4
80	203	246	2014	15.1	15.6	15.4
75	190	243	1885	14.2	14.6	14.4
70	178	241	1766	13.2	13.6	13.4
65	165	238	1637	12.3	12.6	12.4
60	152	235	1508	11.3	11.6	11.4
55	140	232	1389	10.4	10.7	10.6
50	127	229	1260	9.5	9.8	9.6
45	114	225	1131	8.6	8.8	8.7
40	102	221	1012	7.8	8.0	7.9
35	89	216	883	6.9	7.1	7.0
30	76	210	754	6.1	6.3	6.2
25	63	203	625	5.3	5.4	5.4
20	51	195	506	4.5	4.6	4.6
17	42	188	417	4.0	4.1	4.0

<b>Dimmstufen-Tabelle</b>		Umgebungstemperatur: 5°C	
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	2520	19.2	19.8	19.5
95	241	252	2391	18.1	18.7	18.4
90	229	250	2272	17.2	17.7	17.4
85	216	248	2143	16.1	16.6	16.4
80	203	246	2014	15.1	15.6	15.4
75	190	243	1885	14.1	14.5	14.3
70	178	241	1766	13.2	13.7	13.4
65	165	238	1637	12.2	12.6	12.4
60	152	235	1508	11.3	11.6	11.4
55	140	232	1389	10.4	10.7	10.6
50	127	229	1260	9.5	9.8	9.6
45	114	225	1131	8.6	8.9	8.8
40	102	221	1012	7.8	8.1	8.0
35	89	216	883	6.9	7.1	7.0
30	76	210	754	6.1	6.3	6.2
25	63	203	625	5.4	5.5	5.4
20	51	195	506	4.6	4.7	4.6
17	42	188	417	4.0	4.1	4.0

## Lichttechnischer Prüfbefund

<b>Familie</b> Streetlight 21 micro LED	<b>Bestell-Nr.: 5XE1M31G08CB</b> <b>EAN: 4058352740613</b>	<b>LP-Nummer</b> 59152_1080
<b>Dimmstufen-Tabelle</b>		<b>sITeco</b>
Umgebungstemperatur: 15°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	2520	19.2	19.8	19.5
95	241	252	2391	18.1	18.7	18.4
90	229	250	2272	17.2	17.6	17.4
85	216	248	2143	16.1	16.6	16.4
80	203	246	2014	15.1	15.6	15.4
75	190	243	1885	14.1	14.5	14.3
70	178	241	1766	13.2	13.6	13.4
65	165	238	1637	12.2	12.6	12.4
60	152	235	1508	11.3	11.6	11.4
55	140	232	1389	10.4	10.7	10.6
50	127	229	1260	9.4	9.7	9.6
45	114	225	1131	8.6	8.8	8.7
40	102	221	1012	7.8	8.0	7.9
35	89	216	883	6.9	7.1	7.0
30	76	210	754	6.2	6.3	6.2
25	63	203	625	5.3	5.4	5.4
20	51	195	506	4.6	4.7	4.6
17	42	188	417	4.0	4.2	4.1

## Lichttechnischer Prüfbefund

Familie

Streetlight 21 micro LED

Bestell-Nr.: 5XE1M31G08CB

EAN: 4058352740613

LP-Nummer

59152\_1080

### Lichtstrom-Tabelle

SITECO

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	2520.0	19.4
5.0	2520.0	19.2
15.0	2520.0	19.2