

Lichttechnischer Prüfbefund

Familie
Streetlight 21 micro LED

Bestell-Nr.: 5XE1R31G08DB
EAN: 4069025148469

LP-Nummer
59535_172



Ausführung Mastansatz- / Mastaufsatzmontage
Optik asymmetrisch, extrem breit strahlend (P0.8a), Back Light Control (BLC)
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 3000 K | CRI ≥ 70
Betriebsgerät EVG SITECO iQ
Bemessungswerte Nettolichtstrom = 4220 lm
 Systemleistung = 36.4 W
 Lichtausbeute = 115.9 lm/W

Seriendokumentation
18.01.2024

siteco

Lichtstärke in cd/klm

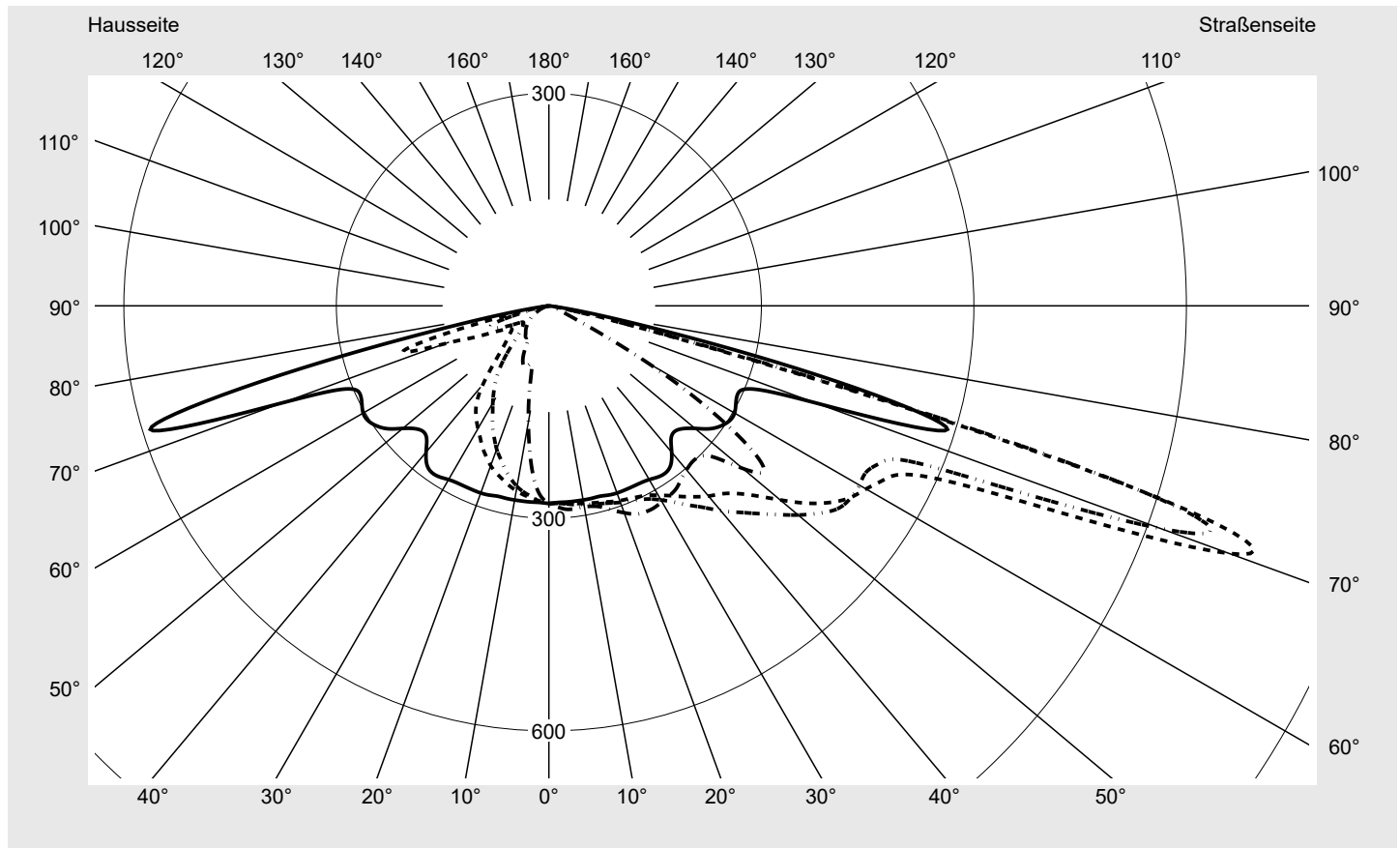
C180-0

C195-15

C200-20

C270-90

Imax: 1022 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G3
Imax 70°	1022.3
Imax 80°	56.2
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

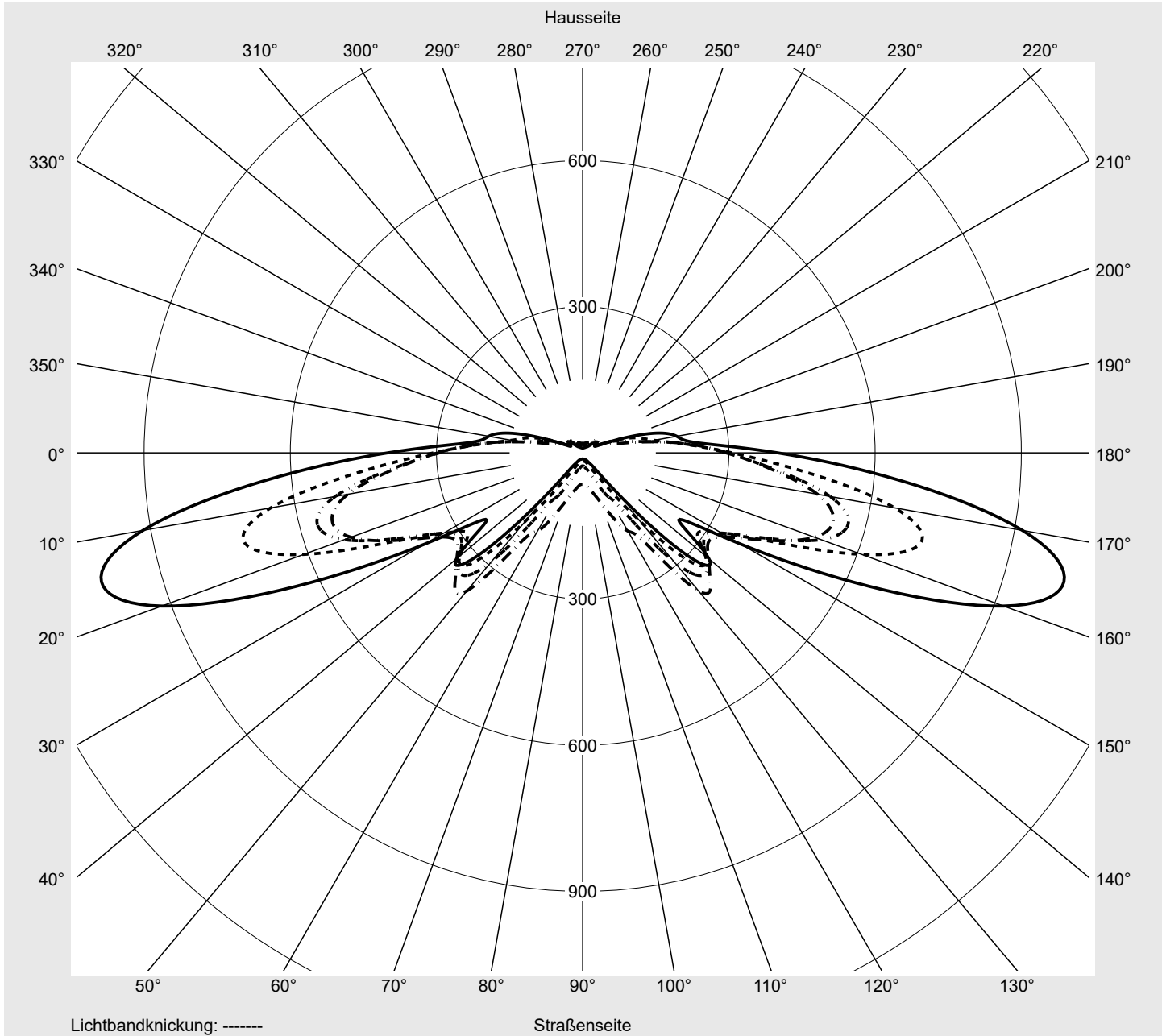
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 70°** **KMK 67,5°** **KMK 65°** **KMK 62,5°** **siteco**



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Familie Streetlight 21 micro LED	Bestell-Nr.: 5XE1R31G08DB EAN: 4069025148469	LP-Nummer 59535_172
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°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8
2,5°	277.9	277.8	278.3	278.5	279.1	279.5	279.7	280.3	281.1	281.1	281.8	282.0	282.5
5,0°	278.0	278.0	278.8	279.6	280.7	281.8	282.5	283.4	284.3	284.7	285.3	285.7	286.3
7,5°	278.2	278.8	279.7	281.6	283.0	284.3	285.2	285.8	286.5	286.6	286.8	287.0	287.2
10,0°	278.3	279.3	281.1	283.2	284.8	286.1	286.8	287.1	287.4	287.5	287.6	287.5	287.6
12,5°	278.4	280.6	282.9	285.1	287.1	288.1	288.1	288.3	288.6	288.3	288.2	288.3	288.1
15,0°	278.3	281.8	284.2	287.0	288.9	289.7	290.4	290.4	290.4	290.5	290.7	291.2	291.5
17,5°	280.1	284.2	287.0	289.9	291.8	292.6	293.2	293.3	294.2	295.6	296.5	297.9	299.1
20,0°	281.2	286.5	289.9	292.7	295.2	296.4	297.4	298.7	300.7	302.2	304.8	306.3	307.6
22,5°	281.2	288.0	291.8	294.7	298.0	300.7	303.7	306.7	309.6	312.0	314.3	316.4	318.0
25,0°	281.2	289.0	293.5	297.6	302.0	305.6	310.8	316.1	320.1	323.0	325.6	327.5	328.0
27,5°	281.6	290.6	296.3	301.5	307.4	313.2	319.9	326.8	332.3	336.2	338.0	338.5	336.9
30,0°	283.2	294.4	301.5	308.8	316.5	324.6	332.6	340.2	345.8	350.2	351.0	348.3	344.3
32,5°	286.5	299.7	308.4	317.7	328.5	340.0	349.8	357.0	362.1	365.5	364.2	358.0	349.5
35,0°	287.6	303.8	315.5	328.7	343.4	357.5	368.6	376.7	381.4	382.7	377.3	366.1	353.1
37,5°	282.8	302.1	319.8	339.7	358.7	375.8	388.1	395.7	398.9	396.8	386.6	370.4	354.4
40,0°	269.7	294.5	321.2	350.6	377.6	398.0	410.2	417.0	415.9	407.6	392.5	373.6	355.1
42,5°	255.3	287.6	322.7	360.0	395.2	420.8	432.6	434.9	428.7	414.1	394.4	373.9	354.4
45,0°	251.0	289.5	331.0	374.7	414.6	444.9	453.6	450.5	436.8	415.6	393.7	371.5	352.8
47,5°	256.6	303.0	350.2	396.9	436.1	462.6	468.6	458.1	439.5	412.5	387.5	369.7	355.1
50,0°	269.2	324.0	378.1	426.2	459.3	475.7	475.8	456.8	430.3	401.5	381.2	373.1	369.5
52,5°	285.2	346.9	408.8	457.5	481.0	483.4	467.9	440.5	409.6	388.7	382.1	388.8	404.4
55,0°	295.9	364.8	434.7	484.0	498.6	480.9	443.0	412.5	385.1	377.3	391.6	422.7	440.8
57,5°	302.2	378.2	457.4	504.1	505.0	463.7	409.7	376.6	362.7	372.1	410.7	405.5	386.0
60,0°	302.7	385.2	474.2	517.0	506.3	445.5	376.2	342.3	346.6	374.1	408.1	323.4	289.9
62,5°	297.6	389.4	489.3	532.5	506.1	424.7	345.6	316.1	337.3	370.1	369.8	228.7	185.2
65,0°	294.2	397.3	515.7	563.9	520.7	414.1	329.1	304.9	329.7	352.9	292.0	146.3	103.0
67,5°	306.5	462.0	650.1	717.4	609.4	431.9	331.0	288.1	329.0	319.8	183.6	76.0	42.3
70,0°	400.3	655.6	916.4	1022.3	919.1	647.3	374.3	240.7	338.2	282.9	84.5	28.5	20.0
72,5°	586.0	762.4	853.4	904.4	899.0	672.4	361.6	293.9	353.5	133.4	22.0	16.9	14.5
75,0°	449.7	381.0	325.6	308.5	339.8	261.0	278.4	408.8	241.2	30.0	14.0	12.7	10.9
77,5°	187.6	136.4	104.4	83.4	66.4	31.3	81.0	143.9	55.8	10.9	9.4	9.1	7.9
80,0°	56.2	38.7	28.1	20.2	12.5	7.1	6.9	10.5	5.9	5.4	6.4	5.7	5.0
82,5°	9.6	8.1	6.9	5.8	4.4	3.9	3.4	3.0	2.7	2.5	2.7	2.4	2.4
85,0°	2.7	2.5	2.3	2.2	1.9	1.7	1.6	1.6	1.3	1.3	1.2	1.1	1.0
87,5°	1.5	1.3	1.2	1.2	1.1	1.0	1.0	0.8	0.8	0.8	0.6	0.6	0.6
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°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8
2,5°	282.9	283.2	283.5	283.8	284.1	284.2	277.4	276.4	276.1	275.6	274.5	273.9	273.1
5,0°	286.6	287.0	287.2	287.6	288.0	288.3	277.0	274.5	272.6	270.8	268.5	266.3	264.1
7,5°	287.4	287.5	287.8	288.2	288.3	288.6	276.2	272.6	269.3	265.7	261.4	256.5	251.1
10,0°	287.2	287.1	287.2	287.7	288.3	288.1	275.3	270.3	265.0	258.9	250.7	242.0	231.8
12,5°	288.1	288.2	288.7	289.2	289.4	289.8	274.1	267.4	259.7	249.5	236.8	222.9	208.7
15,0°	292.0	292.1	292.7	293.8	294.2	294.4	273.1	264.3	253.4	238.6	221.3	203.4	184.9
17,5°	299.9	300.3	300.8	301.6	302.6	302.8	273.2	261.7	247.2	226.6	204.9	181.7	160.7
20,0°	308.0	308.8	309.2	309.9	310.3	310.8	273.2	259.9	240.1	215.4	188.9	162.4	139.4
22,5°	318.6	318.4	318.1	317.7	317.8	318.3	271.5	255.2	230.6	201.6	170.3	143.2	114.9
25,0°	327.4	325.7	323.3	321.8	320.7	321.2	269.5	249.4	221.2	187.9	153.1	121.8	90.5
27,5°	334.3	330.2	326.2	323.3	321.5	321.5	266.7	243.2	210.0	171.9	135.7	99.1	71.1
30,0°	339.2	333.1	326.9	322.2	319.5	319.3	265.3	237.9	200.2	158.3	118.4	79.9	62.3
32,5°	341.5	333.3	325.9	320.7	318.1	317.3	264.9	232.9	190.4	145.0	101.3	66.5	60.1
35,0°	342.5	333.9	325.9	318.9	315.1	314.2	263.0	225.7	179.7	131.6	85.9	59.6	60.6
37,5°	342.0	331.6	322.7	314.3	309.4	307.4	254.3	213.3	165.2	116.7	73.0	56.4	60.0
40,0°	340.1	328.2	319.5	310.6	304.4	302.4	235.8	192.1	144.6	99.3	62.9	54.2	57.1
42,5°	337.2	325.3	318.1	307.7	301.1	299.2	216.4	169.2	122.0	81.3	56.4	52.1	54.2
45,0°	337.1	325.6	317.5	309.4	303.1	301.1	203.9	150.0	103.2	66.2	51.0	50.1	52.0
47,5°	343.8	336.0	329.8	323.8	318.2	316.4	200.2	139.3	88.8	56.2	48.4	48.6	50.7
50,0°	367.8	368.7	368.6	364.8	359.1	357.0	204.6	135.1	79.1	49.7	47.4	49.0	50.6
52,5°	419.9	422.4	412.8	399.2	386.2	382.4	211.0	133.0	72.3	46.2	47.5	49.5	49.6
55,0°	424.6	395.0	374.2	359.3	344.6	341.1	216.4	132.7	66.2	43.9	45.5	46.9	45.5
57,5°	353.8	310.6	285.4	270.3	259.7	257.6	218.5	130.4	61.9	43.1	41.0	41.0	39.3
60,0°	250.3	204.6	182.6	173.4	165.1	161.8	217.0	129.2	64.3	47.9	38.9	36.0	36.2
62,5°	145.5	108.8	86.7	74.0	66.0	64.6	214.2	129.0	73.8	58.1	41.2	33.5	34.8
65,0°	67.5	45.0	35.7	31.3	27.6	26.8	210.1	133.0	90.9	71.2	45.1	31.9	34.7
67,5°	26.8	20.8	18.5	17.5	16.8	16.4	208.5	148.3	118.6	81.6	45.1	29.9	33.7
70,0°	16.2	14.4	13.8	13.2	12.7	12.3	236.4	195.9	156.6	87.0	37.9	28.1	32.3
72,5°	12.8	11.4	10.8	10.2	9.6	9.4	409.6	322.7	215.6	78.7	30.0	27.9	29.6
75,0°	9.7	8.6	7.9	7.5	7.1	7.0	414.6	266.9	148.4	43.3	26.7	27.7	25.5
77,5°	6.7	5.8	5.3	5.0	4.7	4.6	158.3	92.5	50.4	16.7	18.7	22.5	20.1
80,0°	4.0	3.5	3.0	2.9	2.7	2.7	44.1	27.3	12.5	8.6	10.0	12.3	11.7
82,5°	2.2	2.1	1.8	1.8	1.7	1.7	10.0	6.4	4.8	4.8	5.1	5.3	5.2
85,0°	1.0	1.0	1.0	0.8	0.8	1.0	2.8	2.8	2.8	2.7	2.5	2.4	2.2
87,5°	0.6	0.6	0.5	0.5	0.5	0.5	1.5	1.5	1.5	1.5	1.3	1.3	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

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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°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	0.4	0.4
2,5°	272.2	271.8	271.0	270.4	269.8	269.5	269.2	268.7	268.6	268.6	268.5	3.3	3.7
5,0°	261.5	258.9	256.5	253.9	251.4	249.4	247.6	246.1	245.0	244.4	244.3	6.5	10.2
7,5°	244.8	238.5	232.3	226.9	221.6	217.2	213.5	210.6	208.6	207.3	206.8	9.4	19.6
10,0°	221.4	211.9	203.1	194.5	186.1	179.5	174.5	171.0	168.5	167.1	166.7	12.0	31.6
12,5°	195.0	181.2	169.8	160.0	151.3	144.4	138.5	134.0	131.0	128.9	128.4	14.2	45.8
15,0°	167.9	153.5	140.2	128.2	117.7	109.1	102.7	98.6	95.9	94.7	94.3	16.3	62.0
17,5°	142.2	124.6	108.6	95.7	87.6	83.9	83.1	83.8	84.7	85.5	85.9	18.4	80.4
20,0°	116.6	96.4	83.1	78.2	78.6	81.3	84.5	87.3	89.3	90.3	90.9	20.8	101.2
22,5°	89.5	75.2	72.6	76.0	80.9	85.1	88.4	90.5	91.6	91.8	92.2	23.2	124.4
25,0°	71.4	68.6	73.3	79.7	85.5	88.8	90.0	89.7	88.7	87.4	87.1	25.6	150.0
27,5°	64.7	70.1	78.6	86.0	89.6	90.0	87.9	84.8	81.5	78.7	77.4	28.0	178.0
30,0°	64.8	74.0	83.0	87.6	87.7	84.1	78.9	73.3	68.2	64.5	62.9	30.3	208.3
32,5°	67.5	77.3	83.7	84.9	81.4	75.6	69.2	63.0	57.6	53.9	52.5	32.7	241.0
35,0°	69.5	77.5	81.3	79.5	74.6	69.1	63.6	59.6	56.8	55.4	54.7	35.2	276.2
37,5°	66.9	72.0	72.9	70.1	66.3	64.1	63.0	61.0	57.8	55.1	54.2	37.4	313.5
40,0°	61.1	63.3	62.3	60.6	62.2	62.0	58.2	55.0	53.0	51.5	51.0	39.1	352.7
42,5°	56.2	56.2	55.5	58.5	59.0	54.9	52.9	51.4	50.1	49.0	48.4	40.8	393.5
45,0°	53.0	52.6	55.5	57.6	52.9	50.7	49.0	47.7	46.7	46.0	45.7	42.7	436.2
47,5°	51.0	53.0	57.0	52.2	48.3	46.4	45.0	44.0	43.2	42.7	42.6	45.2	481.4
50,0°	50.3	54.8	53.7	46.7	43.9	42.3	41.2	40.5	39.8	39.4	39.2	48.5	529.9
52,5°	49.2	54.1	48.4	42.2	39.7	38.5	37.5	36.4	35.8	35.3	35.3	52.1	582.0
55,0°	47.2	51.3	42.8	37.7	35.7	34.3	33.3	32.8	32.2	31.9	31.9	53.0	634.9
57,5°	46.8	46.6	37.7	33.1	31.7	30.7	29.9	29.5	29.0	28.8	28.8	50.6	685.5
60,0°	45.6	41.7	32.2	29.5	28.5	27.6	26.4	25.5	24.7	24.2	24.2	46.4	731.9
62,5°	43.5	35.8	28.2	26.2	24.8	23.3	21.9	20.9	20.2	19.7	19.8	41.6	773.6
65,0°	39.3	31.9	24.7	22.4	20.8	19.0	17.8	17.1	16.4	16.2	16.2	38.9	812.4
67,5°	35.7	27.6	20.9	18.1	16.8	15.5	14.4	13.8	13.5	13.3	13.3	40.2	852.7
70,0°	31.4	23.6	17.7	15.1	13.8	12.3	11.5	10.8	10.3	9.9	9.7	49.7	902.3
72,5°	26.8	19.7	14.6	12.0	10.5	9.1	8.2	7.7	7.3	6.8	6.8	52.1	954.4
75,0°	22.1	15.8	11.6	9.2	7.7	6.8	5.8	5.3	4.8	4.6	4.6	30.6	985.0
77,5°	16.3	11.4	8.2	6.4	5.3	4.4	3.7	3.1	2.9	2.7	2.7	10.4	995.4
80,0°	9.8	6.7	5.0	4.0	3.1	2.5	2.1	1.7	1.3	1.0	1.0	2.9	998.4
82,5°	4.5	3.5	2.8	2.1	1.6	1.3	1.1	1.0	0.7	0.6	0.5	1.0	999.3
85,0°	1.9	1.7	1.5	1.1	0.8	0.8	0.7	0.6	0.5	0.5	0.5	0.4	999.8
87,5°	1.2	1.1	0.8	0.8	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.2	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		siteco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	4220	36.4	38.3	37.3
95	241	252	4004	33.9	35.7	34.8
90	229	250	3805	31.7	33.3	32.5
85	216	248	3589	29.5	31.0	30.2
80	203	246	3373	27.2	28.6	27.9
75	190	243	3157	25.2	26.4	25.8
70	178	241	2957	23.3	24.5	23.9
65	165	238	2741	21.3	22.3	21.8
60	152	235	2525	19.4	20.3	19.8
55	140	232	2326	17.7	18.5	18.1
50	127	229	2110	15.9	16.7	16.3
45	114	225	1894	14.2	14.9	14.6
40	102	221	1695	12.7	13.2	13.0
35	89	216	1479	11.0	11.6	11.3
30	76	210	1263	9.5	9.9	9.7
25	63	203	1047	8.0	8.4	8.2
20	51	195	847	6.7	7.0	6.8
15	38	184	631	5.3	5.5	5.4
10	26	171	432	4.1	4.3	4.2

Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	4210	35.7	37.4	36.6
95	241	252	3995	33.3	34.9	34.1
90	229	250	3796	31.2	32.7	32.0
85	216	248	3580	29.0	30.5	29.8
80	203	246	3365	26.9	28.2	27.6
75	190	243	3149	24.9	26.0	25.4
70	178	241	2950	23.1	24.1	23.6
65	165	238	2735	21.2	22.1	21.6
60	152	235	2519	19.3	20.2	19.8
55	140	232	2320	17.6	18.4	18.0
50	127	229	2105	15.9	16.6	16.2
45	114	225	1890	14.2	14.8	14.5
40	102	221	1691	12.7	13.2	13.0
35	89	216	1475	11.1	11.6	11.4
30	76	210	1260	9.5	9.9	9.7
25	63	203	1044	8.1	8.3	8.2
20	51	195	845	6.7	7.0	6.8
15	38	184	630	5.4	5.6	5.5
11	27	172	448	4.2	4.4	4.3

Lichttechnischer Prüfbefund

Familie Streetlight 21 micro LED	Bestell-Nr.: 5XE1R31G08DB EAN: 4069025148469	LP-Nummer 59535_172
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Dimmstufen-Tabelle	Umgebungstemperatur: 15°C	sITeco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	4210	36.0	37.7	36.8
95	241	252	3995	33.6	35.2	34.4
90	229	250	3796	31.5	32.9	32.2
85	216	248	3580	29.2	30.6	29.9
80	203	246	3365	27.0	28.4	27.7
75	190	243	3149	25.0	26.2	25.6
70	178	241	2950	23.1	24.2	23.6
65	165	238	2735	21.2	22.1	21.6
60	152	235	2519	19.3	20.2	19.8
55	140	232	2321	17.7	18.4	18.0
50	127	229	2105	15.9	16.6	16.2
45	114	225	1890	14.2	14.8	14.5
40	102	221	1691	12.7	13.2	13.0
35	89	216	1475	11.0	11.5	11.2
30	76	210	1260	9.5	9.9	9.7
25	63	203	1044	8.0	8.4	8.2
20	51	195	845	6.7	6.9	6.8
15	38	184	630	5.4	5.5	5.4
11	27	172	448	4.2	4.4	4.3

Lichttechnischer Prüfbefund**Familie****Streetlight 21 micro LED****Bestell-Nr.: 5XE1R31G08DB****EAN: 4069025148469****LP-Nummer****59535_172****Lichtstrom-Tabelle****sITeco**

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	4220.0	36.4
5.0	4210.0	35.7
15.0	4210.0	36.0