

Lichttechnischer Prüfbefund

Familie
Streetlight 21 mini LED

Bestell-Nr.: 5XE2C31Y08JB
EAN: 4058352923245

LP-Nummer
59082_223



Ausführung Mastansatz- / Mastaufsatzmontage, Smart Interface oben/unten
Optik asymmetrisch, breit strahlend (ST0.8a G)
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 3000 K | CRI ≥ 70
Betriebsgerät EVG SITECO iQ - Smart Interface
Bemessungswerte Nettolichtstrom = 11210 lm
 Systemleistung = 72.5 W
 Lichtausbeute = 154.6 lm/W

Seriendokumentation
09.08.2023

siteco

Lichtstärke in cd/klm

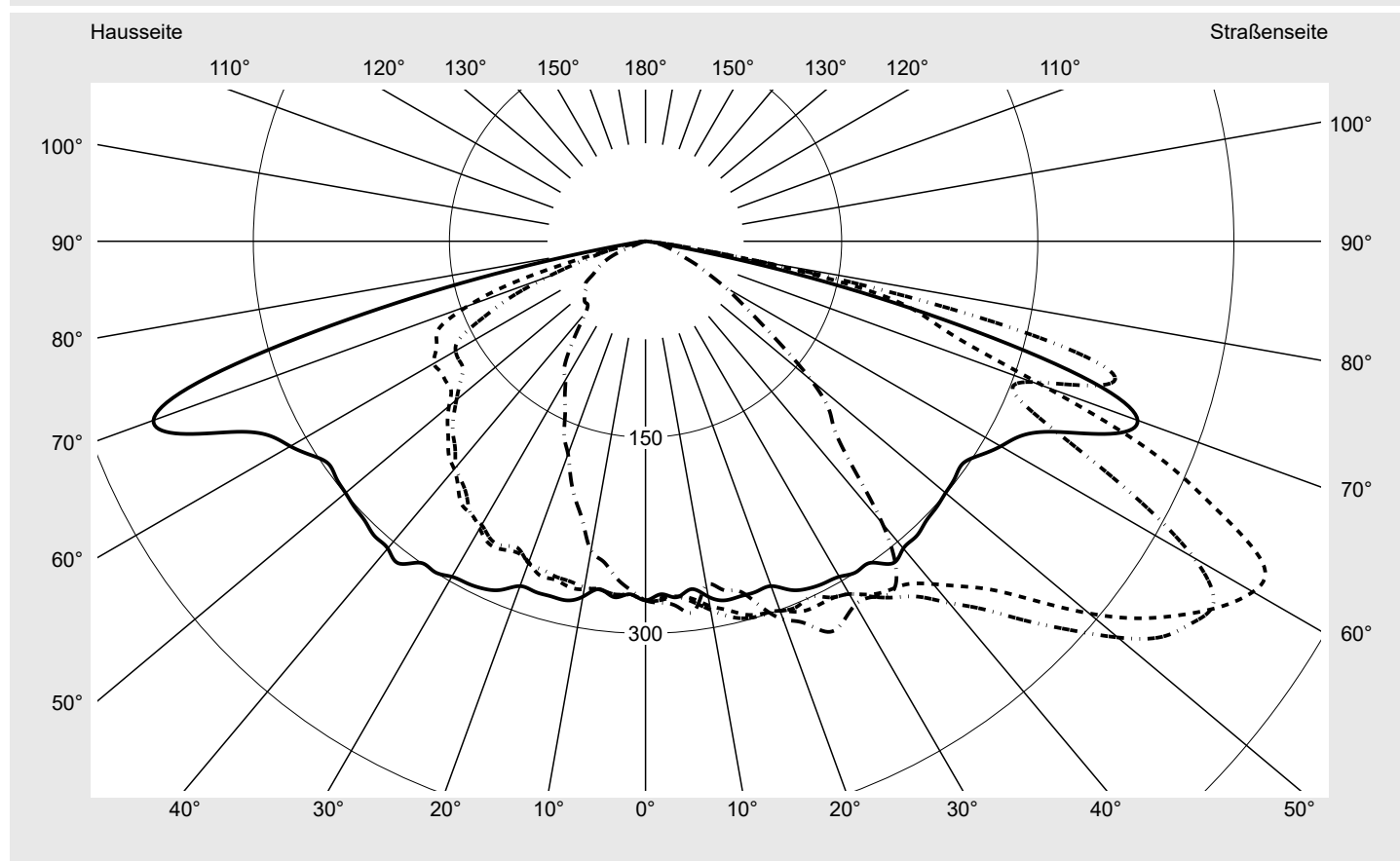
C180-0

C195-15

C200-20

C270-90

Imax: 536 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse: G4
 Imax 70° 493.9
 Imax 80° 97.8
 Imax 90° 0.0
 Imax >90° 0.0
 Imax >95° 0.0

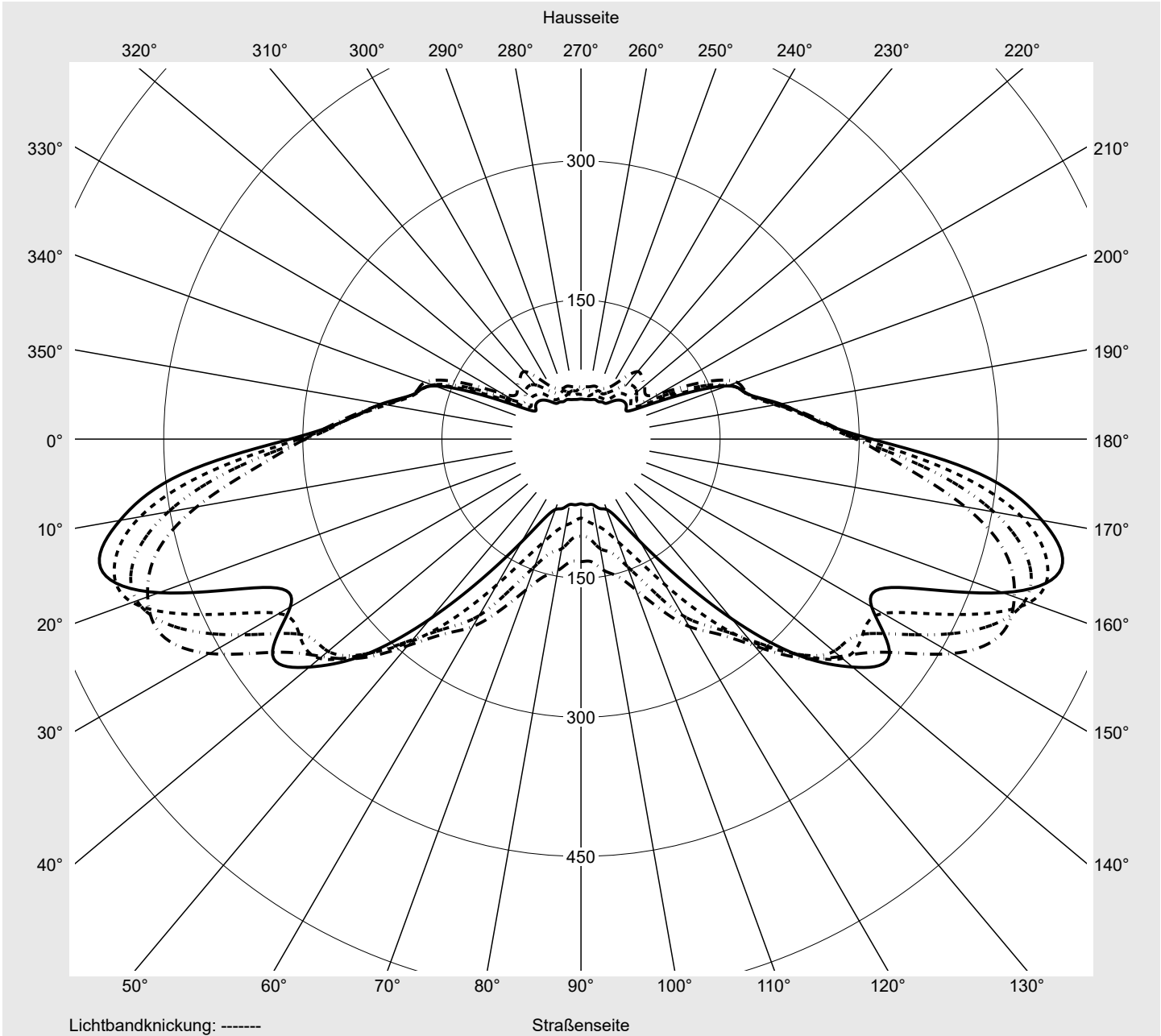
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 60°** **KMK 57.5°** **KMK 55°** **KMK 52.5°** **siteco**



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Familie Streetlight 21 mini LED	Bestell-Nr.: 5XE2C31Y08JB EAN: 4058352923245	LP-Nummer 59082_223
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°	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7
2,5°	270.3	270.4	271.5	273.2	274.7	274.7	274.1	274.2	274.4	274.0	277.0	277.1	276.6
5,0°	273.4	274.3	273.6	272.7	273.3	272.3	273.5	276.6	278.8	280.3	282.6	283.8	283.6
7,5°	268.4	272.0	274.5	275.9	278.4	281.1	280.9	281.1	283.3	281.4	281.4	282.2	283.4
10,0°	276.1	275.9	278.7	283.3	286.3	286.9	286.0	284.7	284.2	281.9	279.6	277.1	277.3
12,5°	281.3	282.2	283.7	288.9	293.9	293.8	293.7	291.9	286.3	284.1	279.7	275.7	274.4
15,0°	281.1	288.0	292.4	295.7	298.6	296.0	289.7	288.1	284.8	282.9	277.7	276.9	276.0
17,5°	281.1	290.6	297.2	298.7	299.8	298.7	288.5	285.6	284.8	283.6	284.4	283.4	282.6
20,0°	280.7	292.1	296.6	300.8	301.1	293.8	288.4	289.1	289.4	289.7	292.3	294.8	294.6
22,5°	288.7	295.6	305.2	306.8	302.6	291.6	294.7	298.4	296.3	302.0	304.4	307.3	310.9
25,0°	293.3	302.1	310.2	308.2	300.0	304.4	300.3	306.0	314.5	315.8	322.6	327.6	328.1
27,5°	295.1	304.0	315.6	308.2	307.2	309.0	311.5	316.2	322.4	331.3	341.0	342.3	347.8
30,0°	296.3	310.5	318.6	311.7	311.7	317.3	321.0	328.4	335.1	348.1	357.8	362.2	361.1
32,5°	300.0	316.4	321.2	320.4	322.3	332.0	333.6	347.0	358.3	367.3	373.3	381.7	372.6
35,0°	300.3	319.7	321.7	325.6	332.6	343.0	357.1	367.9	377.8	390.3	388.6	387.7	369.4
37,5°	310.5	323.4	327.5	330.5	342.7	360.8	372.5	392.7	414.1	412.2	402.6	386.6	372.5
40,0°	306.7	330.8	334.6	342.4	361.1	375.6	400.5	408.6	435.7	427.5	406.4	389.1	370.1
42,5°	306.3	335.9	340.9	358.1	381.7	400.9	421.0	435.6	445.3	435.6	399.0	382.7	355.5
45,0°	303.2	331.0	352.9	377.7	410.2	434.3	445.3	455.7	442.6	423.9	389.8	341.8	303.3
47,5°	301.6	336.5	377.0	408.1	440.1	460.6	469.6	457.4	422.0	387.5	349.8	300.0	258.6
50,0°	299.6	347.6	392.2	442.9	471.5	482.6	470.8	441.6	392.0	354.8	309.2	269.5	243.1
52,5°	298.1	351.8	420.7	473.8	497.3	499.2	462.5	400.7	364.8	333.6	290.9	256.4	233.4
55,0°	296.4	377.3	452.0	498.7	509.7	480.6	422.2	367.6	356.1	327.6	282.3	247.9	219.8
57,5°	304.1	401.5	482.8	520.7	515.0	447.7	376.1	370.2	367.9	327.8	285.1	233.0	181.5
60,0°	313.7	432.1	504.8	536.4	484.2	378.6	362.0	406.0	382.5	328.5	253.1	180.4	127.9
62,5°	323.0	454.5	522.9	531.9	420.3	344.5	406.4	437.2	400.9	298.6	180.8	103.7	72.0
65,0°	344.9	474.6	534.2	478.7	349.3	355.5	461.5	463.3	369.4	197.1	86.0	60.4	50.6
67,5°	384.9	502.1	523.3	416.2	305.9	418.2	501.2	453.1	243.9	95.6	57.8	47.3	41.7
70,0°	400.5	466.7	464.5	324.8	314.9	493.9	484.0	328.4	125.6	60.9	45.2	38.8	34.8
72,5°	358.5	358.7	351.8	254.6	365.9	485.2	394.2	184.1	76.3	45.4	33.5	30.2	27.1
75,0°	248.8	218.0	225.7	220.3	356.9	392.4	267.8	98.5	34.6	31.5	29.4	24.9	21.7
77,5°	130.6	113.0	145.7	175.3	240.1	233.3	127.5	42.6	21.2	23.4	23.0	16.7	15.6
80,0°	34.5	28.3	60.6	84.1	88.8	97.8	40.6	17.8	14.2	16.4	14.0	11.1	11.6
82,5°	7.5	5.6	9.8	16.6	21.5	20.4	10.9	7.9	8.8	8.6	8.9	5.8	7.0
85,0°	1.1	1.2	1.1	1.3	1.4	1.9	2.3	2.1	2.2	2.7	3.5	2.8	2.3
87,5°	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.6	0.5
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

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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°	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7
2,5°	277.3	277.3	277.6	276.6	277.0	276.8	270.8	271.1	270.4	270.8	270.2	268.3	267.7
5,0°	281.9	281.9	278.2	280.1	281.1	280.6	273.6	273.0	271.7	271.1	269.1	268.2	265.4
7,5°	283.5	282.9	281.4	281.0	282.1	285.4	268.8	268.8	268.5	268.8	266.7	267.0	264.4
10,0°	279.2	274.9	270.8	268.5	269.2	267.3	274.9	272.6	270.4	268.7	265.5	260.5	259.1
12,5°	272.1	272.1	273.6	269.2	269.2	273.1	277.7	274.5	270.9	266.6	261.3	260.1	257.8
15,0°	276.2	274.6	273.2	280.0	279.6	277.2	274.9	270.0	268.0	265.6	261.1	253.1	248.9
17,5°	285.8	287.0	285.3	286.6	289.2	292.9	272.7	272.3	268.1	263.3	259.7	253.3	247.5
20,0°	299.1	299.4	301.3	300.1	304.9	307.8	276.8	266.0	261.2	262.0	255.9	246.8	236.8
22,5°	313.3	316.0	319.4	316.6	317.2	315.9	280.7	268.4	257.6	254.4	250.0	238.1	227.3
25,0°	332.9	331.7	329.1	327.2	327.4	329.8	278.2	269.4	260.1	257.0	246.4	228.9	216.0
27,5°	347.9	343.4	339.0	334.3	330.1	327.7	279.9	264.3	260.3	256.8	239.8	225.1	209.4
30,0°	360.9	348.0	335.3	330.2	324.7	321.0	279.0	262.4	253.7	250.7	238.4	217.0	198.0
32,5°	362.6	347.1	334.4	330.4	326.1	322.8	284.1	262.1	247.8	248.2	226.8	210.6	193.3
35,0°	356.8	346.6	334.7	336.8	328.1	328.1	280.8	258.0	245.4	238.4	219.8	203.2	186.8
37,5°	357.5	341.5	333.2	324.9	314.7	314.6	279.2	255.9	235.7	231.4	214.7	193.6	178.6
40,0°	343.5	323.7	301.8	292.7	285.0	281.8	278.8	246.9	227.6	225.6	204.9	186.4	162.2
42,5°	311.3	283.7	259.6	245.5	240.5	235.1	275.8	245.2	222.6	215.5	197.8	175.8	147.6
45,0°	263.6	240.0	225.9	210.9	205.5	204.7	269.5	235.2	213.4	208.3	188.9	160.6	131.2
47,5°	233.5	212.2	205.2	196.9	185.3	190.2	264.3	230.8	205.4	199.3	173.8	140.3	115.6
50,0°	214.5	200.5	186.8	176.0	167.7	165.6	259.0	220.9	196.2	188.8	159.4	120.1	101.4
52,5°	202.4	173.0	153.3	144.0	132.9	132.1	254.9	217.3	187.5	179.0	145.3	98.1	84.8
55,0°	178.1	146.2	127.0	120.0	107.8	104.8	250.8	214.4	186.5	170.5	129.2	82.5	73.4
57,5°	142.5	118.4	102.4	94.4	89.3	85.3	251.0	212.9	185.8	169.2	115.7	71.1	65.4
60,0°	95.2	80.8	77.5	71.8	71.2	69.8	251.1	218.4	187.0	167.7	103.8	61.3	59.6
62,5°	58.0	54.8	52.2	54.7	53.3	54.6	253.1	214.1	180.6	159.5	93.9	56.2	53.4
65,0°	44.4	44.5	46.9	43.2	43.6	44.1	259.8	218.3	176.5	135.3	87.7	51.0	49.2
67,5°	38.9	35.1	35.0	34.1	33.4	32.4	277.4	228.7	169.2	111.0	72.7	44.8	40.8
70,0°	31.2	27.0	26.8	26.1	26.1	26.6	284.4	224.8	144.3	80.0	58.1	39.0	36.7
72,5°	24.4	22.5	22.5	20.4	21.1	21.5	265.5	198.7	107.9	53.5	43.1	34.7	32.8
75,0°	18.8	17.1	17.9	17.0	16.6	16.3	204.9	133.2	50.6	34.4	32.4	29.0	26.8
77,5°	14.7	13.5	12.8	12.5	12.8	12.8	119.2	54.2	11.6	23.6	21.2	18.0	18.4
80,0°	10.6	10.1	9.1	8.6	8.6	8.1	33.5	11.1	7.6	13.9	11.9	10.5	10.2
82,5°	7.3	6.2	6.1	5.6	4.9	5.4	5.5	2.7	2.8	3.8	4.3	3.5	2.3
85,0°	3.5	3.6	2.8	2.5	2.0	2.1	1.1	1.0	0.9	0.9	0.8	0.7	0.4
87,5°	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.1	0.0
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	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°	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	0.4	0.4
2,5°	266.9	268.1	268.2	268.7	268.5	267.1	267.0	267.7	267.4	266.6	267.0	3.3	3.7
5,0°	263.6	262.9	262.0	260.1	259.5	259.0	256.6	256.8	259.2	257.8	258.3	6.5	10.1
7,5°	260.8	257.0	250.7	249.7	247.6	246.8	246.7	245.8	245.3	247.7	247.1	9.6	19.8
10,0°	252.8	249.3	247.8	246.7	248.4	244.5	243.4	240.2	241.8	240.9	240.4	12.7	32.4
12,5°	253.4	252.4	245.5	238.4	237.7	235.4	233.8	229.5	224.3	224.0	220.7	15.7	48.2
15,0°	244.8	237.8	231.9	225.9	220.6	215.3	208.8	208.3	207.9	205.7	205.7	18.5	66.7
17,5°	234.5	223.9	215.9	208.8	204.9	202.3	197.0	195.4	195.9	193.7	190.2	21.4	88.1
20,0°	225.2	218.0	205.4	199.6	193.3	189.7	186.4	179.5	178.4	175.2	173.3	24.2	112.4
22,5°	216.7	204.6	199.4	191.6	182.0	178.9	173.7	168.4	165.9	162.8	162.3	27.2	139.6
25,0°	204.9	195.2	187.0	178.8	174.1	164.7	158.3	153.2	148.3	147.1	145.5	30.2	169.8
27,5°	196.3	186.4	178.9	166.9	161.7	149.4	143.4	139.0	134.8	135.6	133.7	33.1	202.9
30,0°	190.9	177.5	163.1	156.2	146.5	137.9	134.3	127.6	124.1	121.6	122.6	35.7	238.6
32,5°	181.0	165.6	154.2	144.9	134.1	130.0	128.2	124.1	121.8	116.9	115.9	38.6	277.2
35,0°	167.7	157.4	146.1	134.8	131.4	126.8	124.8	120.5	110.3	104.9	101.4	41.3	318.5
37,5°	156.7	145.7	133.9	129.2	129.2	125.7	115.5	103.4	94.2	86.0	85.0	43.7	362.2
40,0°	146.9	134.3	126.9	126.3	125.9	115.4	98.8	88.6	77.3	72.8	71.3	45.3	407.5
42,5°	136.5	122.6	122.7	123.6	114.3	99.3	84.3	75.2	69.8	69.3	65.6	46.2	453.8
45,0°	120.9	117.7	119.9	119.0	104.2	85.2	72.0	67.4	65.3	64.5	65.6	46.5	500.3
47,5°	109.1	110.0	113.2	107.7	88.8	73.6	66.8	64.8	64.8	63.5	63.4	46.7	547.0
50,0°	97.5	101.6	105.2	92.5	74.5	65.6	61.9	61.6	59.1	61.3	61.0	46.7	593.7
52,5°	89.6	92.9	95.0	80.0	65.9	60.3	58.1	59.1	57.5	56.6	56.1	46.3	640.0
55,0°	78.3	80.4	76.2	65.5	57.9	54.0	55.5	52.2	52.9	52.4	56.0	45.7	685.7
57,5°	69.5	67.7	63.9	52.8	49.8	49.5	49.4	50.2	47.3	48.6	48.1	45.3	730.9
60,0°	61.6	59.4	53.6	47.0	46.1	44.6	45.2	44.1	43.4	43.0	43.3	44.1	775.0
62,5°	55.6	50.3	44.1	41.3	40.6	40.9	40.9	39.6	40.9	39.1	37.9	42.3	817.3
65,0°	46.5	42.0	38.0	35.8	35.8	36.1	35.5	33.9	31.7	32.0	31.7	40.2	857.5
67,5°	39.5	36.1	31.5	29.7	29.9	29.1	27.9	25.5	23.3	22.3	22.6	38.2	895.8
70,0°	34.2	29.3	27.2	25.7	24.5	22.3	19.1	14.7	12.3	10.1	9.4	34.5	930.3
72,5°	27.0	24.4	22.8	20.1	17.7	12.1	9.4	6.3	4.4	4.3	4.3	28.9	959.1
75,0°	21.4	18.1	16.5	13.1	8.9	5.4	3.9	2.7	2.0	1.9	2.4	21.1	980.3
77,5°	15.3	10.9	8.3	5.4	3.5	2.1	1.3	1.0	0.9	1.0	1.4	12.6	992.9
80,0°	7.1	3.9	2.2	1.4	0.8	0.5	0.4	0.4	0.3	0.4	0.4	5.2	998.0
82,5°	1.4	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	1.5	999.6
85,0°	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	999.9
87,5°	0.0	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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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	11210	72.5	75.7	74.1
95	241	252	10636	67.9	70.8	69.4
90	229	250	10107	63.8	66.6	65.2
85	216	248	9533	59.5	61.9	60.7
80	203	246	8959	55.3	57.5	56.4
75	190	243	8385	51.2	53.2	52.2
70	178	241	7856	47.4	49.4	48.4
65	165	238	7282	43.5	45.3	44.4
60	152	235	6708	39.7	41.3	40.5
55	140	232	6179	36.3	37.7	37.0
50	127	229	5605	32.7	34.0	33.4
45	114	225	5031	29.2	30.3	29.8
40	102	221	4502	26.0	27.0	26.5
35	89	216	3928	22.6	23.6	23.1
30	76	210	3354	19.5	20.2	19.8
25	63	203	2780	16.3	16.9	16.6
20	51	195	2251	13.4	13.9	13.6
15	38	184	1677	10.4	10.7	10.6
10	25	169	1103	7.2	7.4	7.3

Dimmstufen-Tabelle	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	11210	71.2	73.0	72.1
95	241	252	10636	66.9	68.5	67.7
90	229	250	10106	62.9	64.5	63.7
85	216	248	9532	58.7	60.2	59.4
80	203	246	8959	54.7	55.9	55.3
75	191	244	8429	51.0	52.2	51.6
70	178	241	7855	47.1	48.2	47.7
65	165	238	7282	43.3	44.3	43.8
60	152	235	6708	39.6	40.5	40.0
55	140	232	6178	36.2	37.0	36.6
50	127	229	5605	32.6	33.4	33.0
45	114	225	5031	29.2	29.8	29.5
40	102	221	4501	26.0	26.6	26.3
35	89	216	3928	22.7	23.2	23.0
30	76	210	3354	19.5	19.9	19.7
25	64	204	2824	16.6	16.9	16.8
20	51	195	2251	13.5	13.8	13.6
15	38	184	1677	10.5	10.7	10.6
10	25	169	1103	7.2	7.3	7.2

Lichttechnischer Prüfbefund

Familie Streetlight 21 mini LED	Bestell-Nr.: 5XE2C31Y08JB EAN: 4058352923245	LP-Nummer 59082_223
Dimmstufen-Tabelle		Umgebungstemperatur: 15°C
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	11210	71.7	74.8	73.2
95	241	252	10637	67.3	70.1	68.7
90	229	250	10107	63.2	65.8	64.5
85	216	248	9533	59.1	61.4	60.2
80	203	246	8960	54.9	57.0	56.0
75	190	243	8386	50.8	52.8	51.8
70	178	241	7856	47.3	49.1	48.2
65	165	238	7282	43.3	45.1	44.2
60	152	235	6709	39.6	41.1	40.4
55	140	232	6179	36.2	37.6	36.9
50	127	229	5605	32.6	33.8	33.2
45	114	225	5031	29.2	30.2	29.7
40	102	221	4502	26.0	26.9	26.4
35	89	216	3928	22.7	23.5	23.1
30	76	210	3354	19.4	20.1	19.8
25	63	203	2781	16.3	16.9	16.6
20	51	195	2251	13.5	13.9	13.7
15	38	184	1677	10.4	10.7	10.6
10	25	169	1103	7.1	7.4	7.2

Lichttechnischer Prüfbefund

Familie Streetlight 21 mini LED	Bestell-Nr.: 5XE2C31Y08JB EAN: 4058352923245	LP-Nummer 59082_223
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Lichtstrom-Tabelle	sITeco
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Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	11210.0	72.5
5.0	11210.0	71.2
15.0	11210.0	71.7