

Lichttechnischer Prüfbefund

Familie
Streetlight 21 mini LED

Bestell-Nr.: 5XE2M31V08JB
EAN: 4058352923702

LP-Nummer
59158_217



Ausführung Mastansatz- / Mastaufsatzmontage, Smart Interface oben

Optik asymmetrisch, breit strahlend (ST1.0a G), Back Light Control (BLC)

Abdeckung Einscheibensicherheitsglas (ESG)

Bestückung LED 3000 K | CRI ≥ 70

Betriebsgerät EVG SITECO iQ - Smart Interface

Bemessungswerte Nettolichtstrom = 9870 lm
Systemleistung = 72.5 W
Lichtausbeute = 136.1 lm/W

Seriendokumentation
11.08.2023

siteco

Lichtstärke in cd/klm

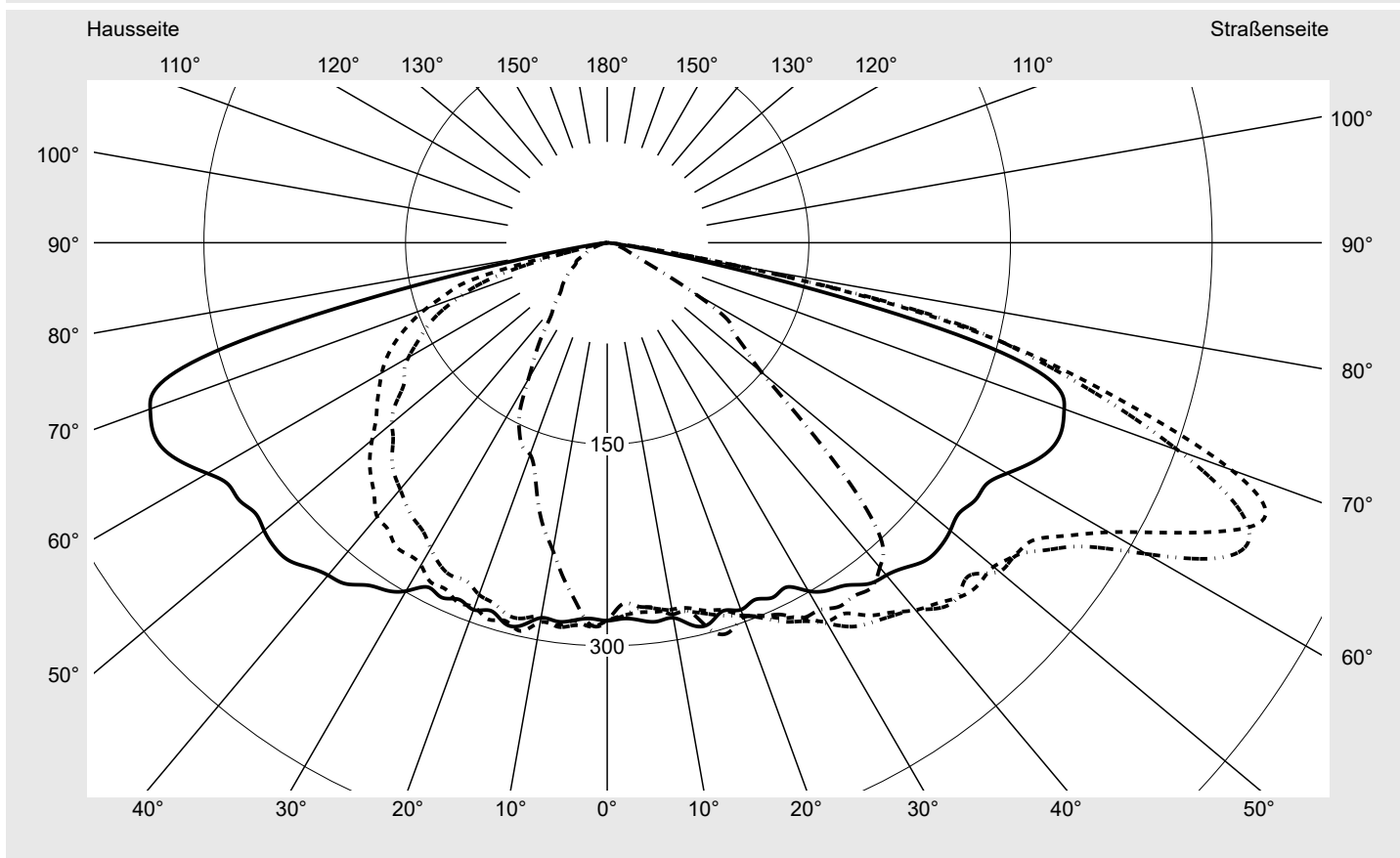
C180-0

C195-15

C200-20

C270-90

Imax: 530 cd/klm



Leuchtenbetriebswirkungsgrade

Eta 100.0%

Eta 0° - 90° 100.0%

Eta 90° - 180° 0.0%

Lichtstärkeklasse nach EN13201-2

Klasse: G4

Imax 70° 494.0

Imax 80° 97.3

Imax 90° 0.0

Imax >90° 0.0

Imax >95° 0.0

Messbedingungen

DIN EN 13032 und DIN 5032

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Familie Streetlight 21 mini LED	Bestell-Nr.: 5XE2M31V08JB EAN: 4058352923702	LP-Nummer 59158_217
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°	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3
2,5°	280.0	279.5	279.2	277.7	277.9	277.2	277.5	277.2	275.6	274.9	274.1	272.2	271.9
5,0°	282.0	279.0	278.0	276.1	272.9	271.2	268.2	269.1	269.6	270.1	269.8	269.1	270.9
7,5°	284.3	282.5	280.2	277.0	274.6	269.8	270.2	271.2	274.2	276.9	275.3	277.1	278.7
10,0°	283.5	278.8	278.9	277.1	277.9	275.3	275.0	274.3	277.9	276.8	278.3	280.6	285.6
12,5°	291.5	283.0	278.6	278.5	281.2	284.6	289.1	289.5	285.3	284.2	286.1	285.7	287.3
15,0°	293.5	287.3	282.6	283.4	285.9	287.5	291.2	291.6	289.1	290.7	289.2	288.4	292.5
17,5°	287.2	283.0	284.7	286.8	291.0	295.5	294.3	295.6	291.9	292.9	293.3	291.2	291.8
20,0°	290.7	291.7	292.2	295.1	295.4	298.3	298.7	298.0	297.8	295.7	296.5	296.5	299.4
22,5°	287.5	290.7	295.2	300.3	302.4	303.2	304.2	303.3	305.0	303.4	306.4	303.6	308.2
25,0°	291.3	293.7	300.6	308.4	311.2	310.2	305.1	310.6	315.6	314.0	311.9	310.8	313.1
27,5°	289.0	299.0	309.0	314.3	317.6	319.7	315.4	321.2	315.6	313.1	310.8	312.4	317.4
30,0°	299.3	307.0	319.6	325.6	327.2	326.9	321.7	323.1	317.8	323.1	319.9	314.6	319.2
32,5°	306.6	316.1	327.3	327.3	338.8	336.8	328.0	332.2	327.0	328.7	324.9	323.3	321.4
35,0°	311.1	323.0	331.4	338.6	344.6	341.3	340.8	340.2	334.2	335.6	333.1	338.0	343.9
37,5°	319.9	329.0	340.9	346.8	349.7	351.4	343.0	340.3	343.7	357.2	349.0	349.3	350.7
40,0°	323.1	341.3	350.9	356.9	356.9	355.3	348.8	348.2	355.8	358.7	355.6	359.4	347.1
42,5°	328.0	352.6	360.8	363.9	368.3	358.2	356.2	364.4	370.1	370.9	367.6	359.1	344.9
45,0°	334.6	357.9	364.8	372.3	370.2	361.6	366.2	373.8	385.7	385.3	368.9	360.6	349.9
47,5°	335.6	361.2	371.9	375.5	366.2	374.6	379.7	390.8	395.5	392.9	373.7	358.5	330.6
50,0°	333.2	358.6	375.4	375.2	380.7	383.0	391.4	407.7	423.6	398.5	367.7	329.8	282.7
52,5°	330.3	358.8	373.2	382.1	382.9	396.7	409.7	434.6	441.4	401.3	350.0	291.1	233.7
55,0°	334.1	363.5	378.1	386.3	398.8	423.8	441.5	441.1	420.3	385.7	309.2	234.7	184.4
57,5°	334.5	363.0	386.9	405.8	420.8	451.3	460.8	432.9	394.6	333.1	244.9	182.0	145.6
60,0°	343.4	386.8	411.2	430.9	463.3	495.1	456.9	407.8	360.3	277.0	182.7	141.5	133.5
62,5°	355.2	409.6	444.0	467.2	508.8	502.5	436.9	374.5	310.3	220.8	158.1	140.1	119.6
65,0°	363.9	427.8	470.2	507.6	526.4	480.2	405.9	335.1	261.4	202.9	157.6	116.6	75.7
67,5°	365.9	439.7	484.4	530.1	504.6	446.2	366.6	302.8	262.8	201.3	127.5	74.5	38.3
70,0°	361.8	427.3	480.7	494.0	452.1	390.2	353.2	342.1	271.3	160.9	82.6	40.8	21.3
72,5°	348.5	390.9	432.9	414.9	389.5	361.2	397.1	367.5	221.1	100.7	40.3	20.0	14.8
75,0°	281.9	295.0	323.9	333.1	324.9	367.7	367.8	233.4	109.1	39.6	15.4	12.6	11.4
77,5°	143.0	161.3	198.8	233.5	244.3	250.6	175.4	81.5	27.2	12.1	10.0	8.7	7.3
80,0°	40.2	63.0	91.1	97.3	95.2	86.7	27.8	12.7	6.5	6.7	7.5	5.6	4.2
82,5°	8.8	13.8	20.6	21.5	16.3	17.5	5.0	3.3	2.6	3.3	3.9	2.7	2.0
85,0°	1.2	1.3	1.5	1.6	1.4	1.7	1.3	1.2	1.1	0.9	1.1	0.8	0.7
87,5°	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
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	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°	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3
2,5°	272.1	269.9	267.0	268.1	268.5	269.0	281.4	284.1	286.0	285.0	286.1	285.9	287.0
5,0°	269.3	272.2	271.3	271.9	270.8	271.9	283.4	282.6	282.5	285.9	285.5	283.5	281.1
7,5°	280.9	281.1	280.2	277.5	274.1	274.1	286.0	287.6	287.0	288.0	286.8	283.0	277.5
10,0°	287.1	285.1	283.0	280.7	279.3	280.8	287.8	290.8	286.8	282.7	279.5	273.9	268.3
12,5°	285.5	284.2	286.0	288.9	286.6	281.0	295.5	295.8	296.0	286.2	277.7	269.6	261.9
15,0°	292.0	290.2	289.8	292.0	297.5	298.6	293.5	294.0	291.5	286.7	277.3	264.8	251.5
17,5°	294.8	294.5	298.3	293.0	297.4	303.5	292.3	293.3	293.9	281.3	267.6	258.9	240.9
20,0°	299.0	299.5	304.2	296.9	296.7	296.7	294.8	297.3	288.7	278.8	264.7	247.9	234.6
22,5°	307.0	303.9	307.2	305.2	303.5	301.1	292.3	292.7	289.8	272.7	253.1	235.2	224.2
25,0°	308.5	307.0	306.5	307.6	304.1	305.3	288.3	287.7	284.5	273.6	248.9	229.8	214.2
27,5°	309.7	310.9	309.1	310.5	312.1	314.7	284.8	292.0	284.6	269.9	246.9	218.6	204.8
30,0°	318.8	313.0	316.5	319.3	321.1	315.6	288.4	288.0	277.1	262.6	236.5	216.2	195.1
32,5°	328.3	327.3	324.1	328.0	321.7	321.1	292.1	283.3	275.4	254.8	232.4	204.0	187.3
35,0°	333.0	330.3	327.3	330.3	321.0	320.8	293.4	280.5	274.9	250.9	222.6	198.5	180.2
37,5°	347.6	338.1	337.0	331.1	320.5	323.3	300.7	280.1	268.4	245.7	215.7	189.0	173.6
40,0°	336.7	326.6	325.9	326.6	319.5	315.5	299.6	275.7	266.2	239.6	208.1	184.4	173.4
42,5°	338.1	330.2	318.5	318.1	304.4	302.6	299.3	268.9	256.4	234.2	201.3	180.8	167.8
45,0°	331.0	306.8	290.4	268.8	256.0	259.8	300.8	268.3	248.2	226.4	193.0	177.1	163.8
47,5°	292.1	250.6	224.1	205.0	194.0	197.9	301.3	257.8	239.6	216.0	186.1	176.6	150.4
50,0°	230.3	192.7	175.9	164.2	151.9	149.7	291.8	255.7	228.4	209.2	179.8	170.6	134.0
52,5°	178.9	156.0	144.3	133.1	130.3	129.2	290.2	246.4	216.9	199.0	174.2	152.8	114.9
55,0°	145.4	130.5	117.0	116.4	114.2	113.5	290.0	243.5	208.9	184.8	172.7	133.8	95.4
57,5°	121.3	117.8	115.4	113.0	105.4	105.7	290.5	241.2	201.0	179.3	161.5	119.5	77.5
60,0°	120.8	110.0	93.0	83.4	79.0	73.2	288.7	237.1	193.6	170.7	151.6	103.2	63.9
62,5°	93.2	69.2	54.5	45.9	40.4	38.1	287.6	230.5	184.8	158.7	138.3	87.8	57.4
65,0°	54.2	33.9	28.7	26.2	24.3	23.1	285.3	219.6	173.6	147.8	120.0	76.2	53.1
67,5°	26.5	21.4	19.9	18.4	17.4	16.9	275.2	206.3	159.8	134.0	99.6	61.1	44.4
70,0°	17.3	16.2	15.1	13.9	13.6	13.6	271.2	190.7	143.4	115.8	76.3	41.8	37.8
72,5°	13.4	12.4	11.4	10.8	10.3	10.1	262.2	181.5	124.0	94.7	40.9	29.8	31.2
75,0°	9.9	9.0	7.8	7.7	7.0	7.0	234.3	162.3	97.6	56.0	20.7	21.7	24.4
77,5°	6.2	5.7	5.2	5.0	4.7	4.7	137.1	75.6	26.2	11.1	9.8	13.4	15.8
80,0°	3.7	3.3	3.1	3.0	2.9	2.6	42.3	12.7	5.3	5.7	5.5	8.1	8.7
82,5°	1.7	1.8	1.5	1.5	1.5	1.4	7.6	3.1	2.7	2.5	2.5	3.6	4.0
85,0°	0.7	0.7	0.6	0.6	0.5	0.6	1.3	1.2	1.1	1.1	1.0	1.1	1.0
87,5°	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.3	0.2	0.2	0.2
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

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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°	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	0.4	0.4
2,5°	286.8	285.3	284.3	284.7	284.2	283.3	284.6	283.3	283.5	283.7	284.6	3.3	3.8
5,0°	278.6	276.1	273.1	270.4	269.6	267.2	264.9	267.7	269.2	270.0	268.4	6.5	10.3
7,5°	270.7	265.2	261.6	259.4	254.7	252.2	249.7	249.3	251.4	252.1	251.1	9.8	20.1
10,0°	262.4	258.2	251.3	247.1	241.7	240.5	235.9	232.2	229.7	232.0	232.6	12.8	32.9
12,5°	253.0	248.1	241.3	233.4	227.8	225.9	222.1	221.1	217.0	216.2	217.6	15.9	48.8
15,0°	243.5	238.9	227.1	220.2	215.6	207.2	202.8	202.4	199.4	197.5	199.3	18.9	67.7
17,5°	230.7	224.5	216.6	207.3	197.9	192.6	186.1	186.7	184.9	178.1	179.1	21.6	89.3
20,0°	224.7	212.9	200.9	190.3	179.3	178.3	173.5	168.8	172.8	171.2	167.7	24.4	113.7
22,5°	214.9	197.6	181.9	175.8	167.5	170.4	169.4	167.1	165.9	164.7	164.5	27.1	140.8
25,0°	197.9	180.7	172.8	169.2	165.1	160.8	159.9	160.1	158.1	157.3	154.6	29.8	170.6
27,5°	187.3	175.1	165.8	162.0	159.3	153.5	151.8	145.8	145.0	142.8	140.4	32.4	203.0
30,0°	177.2	171.0	166.6	158.9	151.2	143.8	132.7	128.8	124.3	120.6	117.3	35.0	238.0
32,5°	172.7	165.1	158.2	150.4	138.9	130.3	117.7	112.6	105.8	101.8	100.1	37.5	275.5
35,0°	173.7	161.0	152.4	138.3	123.5	111.2	100.8	90.8	89.5	87.5	84.7	39.9	315.4
37,5°	166.8	154.7	137.1	122.9	105.2	92.7	86.3	81.1	76.6	73.0	69.0	42.2	357.6
40,0°	159.6	145.5	123.8	107.7	92.7	82.7	77.8	70.9	66.2	62.7	61.7	44.1	401.8
42,5°	150.3	129.1	106.2	93.0	85.0	75.6	70.1	65.3	59.6	54.9	52.8	46.0	447.8
45,0°	137.4	114.1	93.1	85.0	75.9	66.1	59.6	54.8	50.9	50.0	47.9	47.0	494.8
47,5°	124.3	96.6	84.4	75.5	64.4	54.9	48.4	46.6	45.4	44.6	44.2	46.6	541.4
50,0°	105.0	86.9	74.5	66.3	55.3	47.4	42.9	41.6	41.5	39.7	39.3	46.0	587.4
52,5°	89.2	76.5	63.7	53.4	45.8	41.0	37.8	37.7	35.4	34.8	35.4	45.4	632.9
55,0°	75.3	68.1	53.2	44.9	38.3	35.9	34.0	34.1	32.0	31.4	29.8	44.7	677.6
57,5°	64.5	56.8	45.7	39.7	34.2	32.8	30.9	30.2	29.1	28.8	27.4	44.0	721.6
60,0°	59.0	50.3	41.2	33.9	28.9	28.5	27.6	26.2	25.5	24.9	25.3	43.4	765.0
62,5°	53.6	44.6	34.6	28.4	25.6	23.6	22.6	20.3	19.8	18.9	18.3	42.0	807.0
65,0°	47.4	37.5	28.0	23.1	19.9	17.9	17.8	16.5	16.2	16.0	16.2	40.3	847.3
67,5°	39.3	28.4	21.3	17.9	16.3	15.1	14.9	14.3	14.0	13.4	12.8	38.3	885.6
70,0°	31.7	19.8	16.1	15.1	13.5	11.7	11.5	11.5	11.1	11.0	10.7	35.8	921.3
72,5°	24.4	15.2	12.7	11.7	10.5	9.3	8.6	8.1	7.7	7.5	7.3	32.3	953.6
75,0°	17.7	11.9	10.0	8.9	7.9	6.4	5.3	5.0	5.2	5.0	4.8	25.5	979.1
77,5°	11.6	7.9	6.4	5.8	4.8	3.7	3.2	3.1	2.9	2.5	2.7	14.3	993.4
80,0°	6.9	4.8	3.4	2.9	2.3	1.7	1.3	1.2	0.9	1.0	1.1	5.1	998.5
82,5°	3.1	2.0	1.3	1.1	0.9	0.4	0.4	0.4	0.4	0.4	0.3	1.3	999.7
85,0°	0.8	0.7	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	999.9
87,5°	0.1	0.1	0.1	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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Familie Streetlight 21 mini LED	Bestell-Nr.: 5XE2M31V08JB EAN: 4058352923702	LP-Nummer 59158_217
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	9870	72.5	75.7	74.1
95	241	252	9365	67.9	70.8	69.4
90	229	250	8899	63.8	66.6	65.2
85	216	248	8393	59.5	61.9	60.7
80	203	246	7888	55.3	57.5	56.4
75	190	243	7383	51.2	53.2	52.2
70	178	241	6917	47.4	49.4	48.4
65	165	238	6412	43.5	45.3	44.4
60	152	235	5906	39.7	41.3	40.5
55	140	232	5440	36.3	37.7	37.0
50	127	229	4935	32.7	34.0	33.4
45	114	225	4430	29.2	30.3	29.8
40	102	221	3964	26.0	27.0	26.5
35	89	216	3458	22.6	23.6	23.1
30	76	210	2953	19.5	20.2	19.8
25	63	203	2448	16.3	16.9	16.6
20	51	195	1982	13.4	13.9	13.6
15	38	184	1477	10.4	10.7	10.6
10	25	169	971	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	9870	71.2	73.0	72.1
95	241	252	9364	66.9	68.5	67.7
90	229	250	8898	62.9	64.5	63.7
85	216	248	8393	58.7	60.2	59.4
80	203	246	7888	54.7	55.9	55.3
75	191	244	7421	51.0	52.2	51.6
70	178	241	6916	47.1	48.2	47.7
65	165	238	6411	43.3	44.3	43.8
60	152	235	5906	39.6	40.5	40.0
55	140	232	5440	36.2	37.0	36.6
50	127	229	4935	32.6	33.4	33.0
45	114	225	4430	29.2	29.8	29.5
40	102	221	3963	26.0	26.6	26.3
35	89	216	3458	22.7	23.2	23.0
30	76	210	2953	19.5	19.9	19.7
25	64	204	2487	16.6	16.9	16.8
20	51	195	1982	13.5	13.8	13.6
15	38	184	1477	10.5	10.7	10.6
10	25	169	971	7.2	7.3	7.2

Lichttechnischer Prüfbefund

Familie Streetlight 21 mini LED	Bestell-Nr.: 5XE2M31V08JB EAN: 4058352923702	LP-Nummer 59158_217
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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	9870	71.7	74.8	73.2
95	241	252	9365	67.3	70.1	68.7
90	229	250	8899	63.2	65.8	64.5
85	216	248	8394	59.1	61.4	60.2
80	203	246	7889	54.9	57.0	56.0
75	190	243	7383	50.8	52.8	51.8
70	178	241	6917	47.3	49.1	48.2
65	165	238	6412	43.3	45.1	44.2
60	152	235	5907	39.6	41.1	40.4
55	140	232	5440	36.2	37.6	36.9
50	127	229	4935	32.6	33.8	33.2
45	114	225	4430	29.2	30.2	29.7
40	102	221	3964	26.0	26.9	26.4
35	89	216	3459	22.7	23.5	23.1
30	76	210	2953	19.4	20.1	19.8
25	63	203	2448	16.3	16.9	16.6
20	51	195	1982	13.5	13.9	13.7
15	38	184	1477	10.4	10.7	10.6
10	25	169	971	7.1	7.4	7.2

Lichttechnischer Prüfbefund

Familie Streetlight 21 mini LED	Bestell-Nr.: 5XE2M31V08JB EAN: 4058352923702	LP-Nummer 59158_217
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Lichtstrom-Tabelle	siteco
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Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	9870.0	72.5
5.0	9870.0	71.2
15.0	9870.0	71.7