

Lichttechnischer Prüfbefund

Familie

Streetlight 11 micro LED



Bestell-Nr.: 5XC1BC1F08DE

EAN: 4069025076359

LP-Nummer

59318_210

Ausführung

Mastansatz- / Mastaufsatzmontage

Optik

asymmetrisch, extrem breit strahlend (ST0.5a)

Abdeckung

klar, PMMA

Bestückung

LED 2200 K | CRI ≥ 70

Betriebsgerät

EVG SITECO iQ

Einstellung

indiv. Einstellung

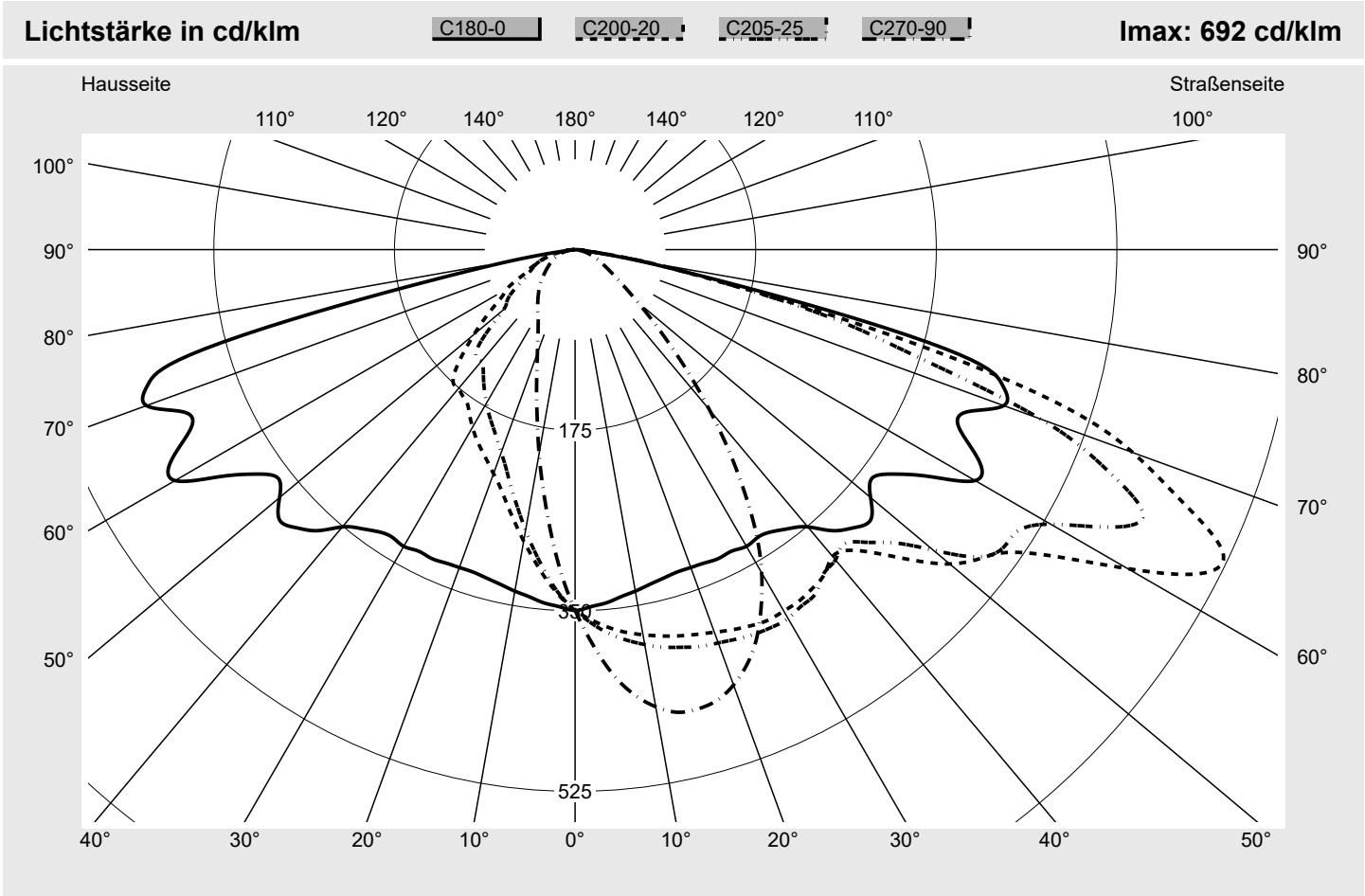
Bemessungswerte

Nettolichtstrom = 2970 lm
Systemleistung = 27.8 W
Lichtausbeute = 106.8 lm/W

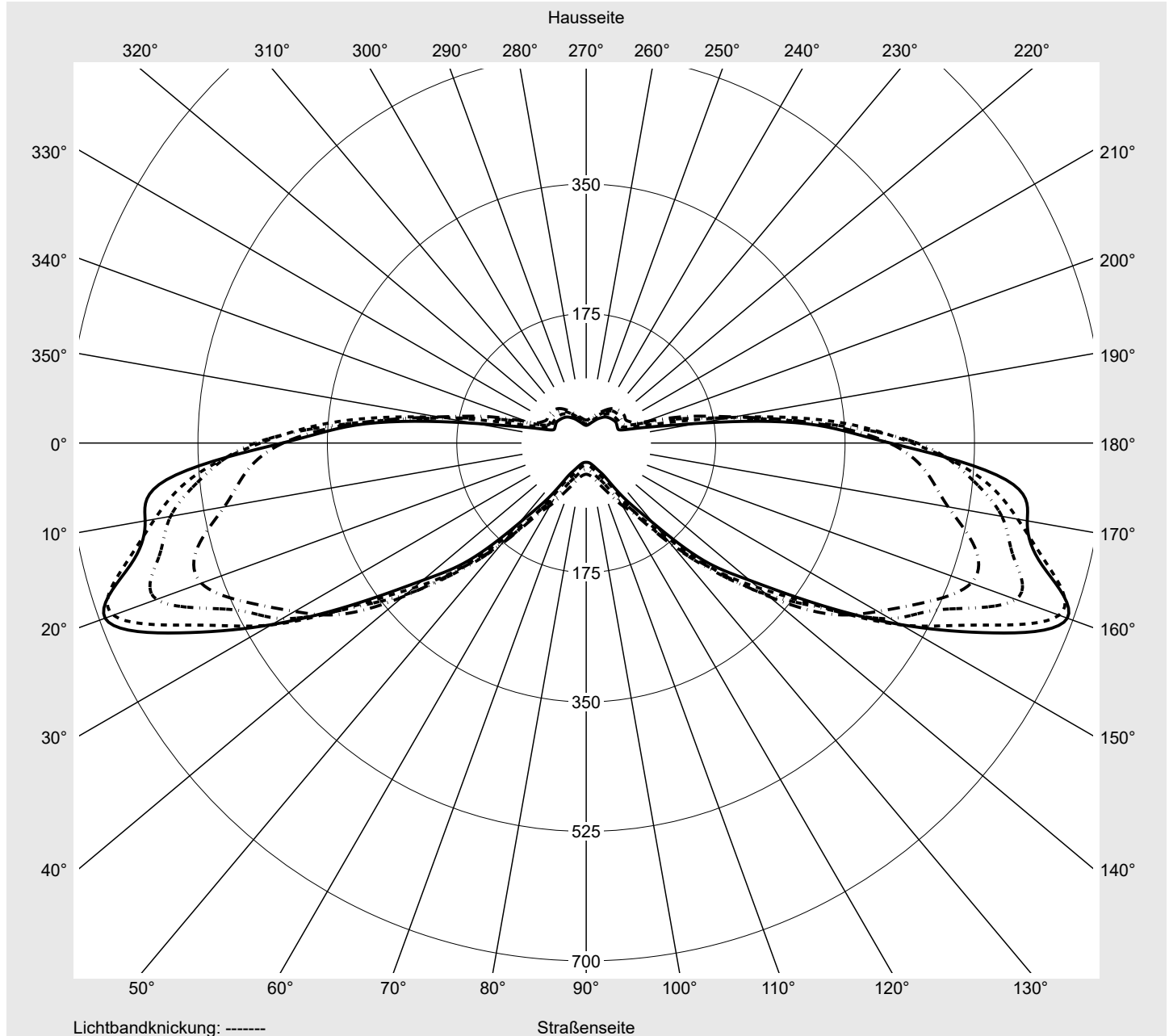
Seriendokumentation

22.05.2024

siteco



Leuchtenbetriebswirkungsgrade		Lichtstärkeklasse nach EN13201-2	
Eta	100.0%	Klasse:	G3
Eta 0° - 90°	100.0%	Imax 70°	625.9
Eta 90° - 180°	0.0%	Imax 80°	83.0
		Imax 90°	0.0
		Imax >90°	0.0
		Imax >95°	0.0
Messbedingungen			
DIN EN 13032 und DIN 5032			

Lichttechnischer Prüfbefund**Familie**
Streetlight 11 micro LED**Bestell-Nr.: 5XC1BC1F08DE**
EAN: 4069025076359**LP-Nummer**
59318_210**Kegelmantelkurven in cd/klm****KMK 65°****KMK 62,5°****KMK 60°****KMK 57,5°****sit**eco

Lichttechnischer Prüfbefund

Familie Streetlight 11 micro LED				Bestell-Nr.: 5XC1BC1F08DE EAN: 4069025076359								LP-Nummer 59318_210	
Wertetabelle Lichtstärkemessung												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°	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6
2,5°	346.4	349.6	352.5	355.6	359.1	362.3	365.7	368.3	370.4	373.0	374.6	376.5	377.7
5,0°	343.7	349.5	355.4	361.4	367.3	373.2	379.3	384.2	389.4	393.9	397.5	401.2	403.7
7,5°	339.3	347.9	356.6	365.3	374.0	381.6	389.6	396.7	403.5	409.5	414.5	419.1	422.7
10,0°	336.1	347.6	358.5	368.8	378.9	388.6	397.8	406.7	414.0	421.1	427.2	432.1	436.4
12,5°	332.4	346.9	360.1	372.2	383.5	394.6	404.7	413.6	421.9	429.5	436.0	441.3	445.3
15,0°	329.7	346.1	361.1	375.1	387.5	398.9	409.1	418.6	426.9	434.3	439.8	445.0	448.5
17,5°	327.7	346.6	363.6	378.2	391.0	403.2	413.0	422.0	429.0	435.9	440.7	444.1	447.4
20,0°	327.8	348.5	366.7	382.0	394.6	405.6	414.5	422.7	429.0	434.0	437.7	440.1	442.2
22,5°	328.6	351.4	371.1	386.5	398.7	408.5	416.3	422.4	426.4	429.5	431.1	432.2	432.2
25,0°	330.0	353.9	374.6	390.4	402.2	411.2	417.2	421.5	422.5	422.4	421.0	419.7	417.9
27,5°	329.2	355.3	376.7	393.2	404.8	412.6	417.4	418.9	416.6	412.7	408.4	403.2	398.9
30,0°	332.0	357.6	377.2	392.6	404.4	412.7	415.4	414.5	410.0	402.0	393.4	384.1	376.1
32,5°	330.3	355.7	377.8	395.1	403.8	409.0	411.6	407.9	400.0	388.7	376.1	362.7	350.9
35,0°	333.5	360.4	379.2	389.4	400.8	406.6	403.3	397.8	387.0	372.6	356.3	339.2	323.1
37,5°	340.7	359.0	375.7	391.6	396.7	395.7	397.0	383.6	370.6	353.8	334.5	314.1	294.9
40,0°	350.8	370.9	384.9	388.1	388.2	392.5	380.4	371.0	349.7	331.8	310.7	288.4	266.5
42,5°	369.4	382.5	392.4	395.9	395.2	386.4	375.9	352.4	330.3	306.0	284.3	261.6	238.7
45,0°	381.3	398.3	412.4	414.5	416.8	401.2	377.6	347.0	317.0	285.5	257.2	233.4	210.0
47,5°	388.2	413.4	432.8	440.7	445.8	420.7	394.8	353.5	305.8	272.4	237.0	205.3	183.3
50,0°	373.8	408.9	441.6	467.0	473.9	452.9	419.2	363.7	305.3	257.9	216.6	184.5	157.1
52,5°	363.2	400.3	450.6	489.7	492.6	489.2	445.0	382.0	306.8	245.3	196.9	157.3	132.9
55,0°	379.3	415.1	461.7	514.1	511.6	505.2	458.8	398.4	321.4	242.5	179.1	137.3	111.7
57,5°	409.8	462.5	496.9	543.9	553.9	508.2	455.3	403.4	323.0	240.0	177.8	122.2	97.4
60,0°	447.6	519.5	570.7	598.5	618.2	532.1	474.8	389.0	318.7	246.0	178.2	113.8	87.8
62,5°	440.6	534.6	592.5	647.7	680.4	582.3	491.8	384.6	304.7	237.6	160.7	112.9	67.2
65,0°	411.0	569.8	605.6	638.3	692.3	607.3	490.8	377.8	288.9	224.2	142.0	93.7	56.6
67,5°	410.9	569.1	586.8	628.0	635.6	557.8	440.5	356.7	283.8	204.7	125.7	67.7	43.7
70,0°	442.0	555.6	565.8	625.9	575.2	480.6	332.4	279.2	238.2	183.8	113.9	57.6	34.9
72,5°	433.7	537.3	588.0	558.6	482.4	351.9	212.6	171.4	170.7	153.5	102.6	45.2	26.7
75,0°	371.4	397.9	481.8	383.0	304.1	260.7	173.2	132.3	98.5	83.5	58.2	32.8	18.6
77,5°	168.9	238.4	205.4	158.3	144.5	144.1	120.6	97.3	71.0	56.5	28.1	20.4	13.6
80,0°	63.8	83.0	54.2	76.5	72.1	71.7	61.2	43.7	28.6	19.3	16.8	14.2	9.8
82,5°	13.4	13.1	15.5	22.1	20.5	17.2	15.0	12.9	10.3	8.6	7.7	7.0	6.2
85,0°	7.9	8.1	8.4	8.4	8.1	7.7	7.0	6.4	5.8	5.3	4.7	4.0	3.3
87,5°	4.1	4.2	4.4	4.2	4.1	4.0	3.6	3.3	3.0	2.8	2.4	1.9	1.5
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

Lichttechnischer Prüfbefund

Familie Streetlight 11 micro LED				Bestell-Nr.: 5XC1BC1F08DE EAN: 4069025076359								LP-Nummer 59318_210		
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°	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	
2,5°	378.5	379.5	380.4	381.6	382.0	382.2	343.5	340.8	338.4	336.3	335.0	333.4	330.8	
5,0°	405.6	407.4	409.2	411.0	411.9	412.1	337.1	331.3	325.5	320.7	316.1	311.3	306.5	
7,5°	426.4	428.9	431.5	433.3	434.7	434.5	330.2	320.5	311.6	303.5	296.0	288.5	281.2	
10,0°	439.9	443.4	446.1	448.5	449.8	449.8	323.3	310.6	298.5	286.8	276.1	266.4	256.6	
12,5°	448.6	452.5	455.2	457.1	458.7	459.2	316.4	300.7	285.1	270.4	256.6	244.2	231.6	
15,0°	451.7	455.3	457.5	459.5	461.0	460.7	311.3	292.0	272.7	255.2	239.0	224.0	209.9	
17,5°	450.3	452.8	454.8	456.7	457.1	457.9	306.5	284.1	262.2	241.4	222.3	205.1	189.3	
20,0°	444.1	445.8	446.9	448.4	448.5	449.0	304.4	279.0	254.2	231.0	209.2	189.9	172.7	
22,5°	432.7	432.5	433.5	434.7	434.4	435.2	302.9	275.4	248.1	222.0	198.2	176.9	158.3	
25,0°	416.7	415.4	414.7	415.6	415.7	416.0	301.7	271.7	242.5	214.3	188.8	166.2	147.0	
27,5°	394.7	392.9	391.0	391.0	390.6	390.5	299.3	267.4	236.6	206.9	180.4	156.7	137.0	
30,0°	370.0	365.9	363.8	362.4	361.8	361.5	298.6	261.6	228.6	198.8	171.7	148.3	128.8	
32,5°	341.3	335.2	331.9	329.8	327.5	326.9	295.4	254.6	220.6	190.1	163.1	140.1	121.1	
35,0°	310.0	301.2	295.1	291.2	287.1	285.5	296.0	252.1	215.2	182.1	154.6	131.7	113.8	
37,5°	279.0	266.9	258.3	251.9	246.0	243.8	303.4	259.2	214.6	178.8	146.2	123.6	107.4	
40,0°	247.7	232.6	220.9	211.8	205.0	202.3	303.1	260.0	210.1	176.1	141.2	119.5	101.2	
42,5°	218.0	200.1	185.7	174.6	167.0	163.9	311.3	266.6	211.9	174.8	141.3	110.8	96.1	
45,0°	188.3	168.7	153.2	140.2	132.3	129.3	320.6	267.8	211.5	163.2	132.8	99.0	91.1	
47,5°	161.2	142.1	125.7	112.4	104.3	101.6	313.5	249.2	197.2	145.5	110.9	92.7	85.6	
50,0°	136.0	117.3	101.4	89.0	81.6	79.2	299.9	224.1	169.8	127.8	90.3	84.7	80.5	
52,5°	114.2	96.1	81.3	70.5	64.7	62.9	283.5	206.5	150.4	111.3	83.4	77.6	75.0	
55,0°	94.4	78.5	65.6	56.9	52.5	51.1	285.4	201.3	140.7	95.7	77.0	70.0	69.0	
57,5°	77.4	63.2	53.1	46.6	43.4	42.2	309.7	203.3	138.1	83.2	67.0	62.1	63.3	
60,0°	63.7	51.8	44.0	39.0	36.5	35.6	312.6	194.5	125.2	76.3	57.6	56.2	57.5	
62,5°	51.3	42.4	36.4	32.5	30.9	30.3	335.4	199.0	100.5	63.9	52.2	52.2	52.9	
65,0°	42.1	34.9	30.3	27.5	26.3	26.1	299.1	153.0	81.3	51.9	47.0	47.9	48.9	
67,5°	34.0	28.3	24.9	23.1	22.2	22.0	270.2	117.3	69.3	46.7	43.4	43.6	43.7	
70,0°	27.2	22.9	20.3	19.2	18.5	18.3	266.4	101.7	64.7	39.1	39.6	39.3	38.9	
72,5°	20.3	18.0	16.4	15.6	15.1	15.0	222.7	100.6	48.5	33.1	35.0	35.1	34.5	
75,0°	15.6	14.0	12.9	12.2	11.9	11.9	204.4	96.9	30.3	28.2	30.1	30.5	30.0	
77,5°	11.9	10.4	9.8	9.0	8.6	8.4	131.9	42.0	20.5	21.9	24.3	25.2	25.6	
80,0°	8.4	7.4	6.5	6.1	5.6	5.5	55.2	23.9	14.0	15.6	17.5	18.8	19.4	
82,5°	5.5	4.6	4.0	3.6	3.4	3.2	11.0	9.2	8.7	9.3	10.2	11.4	12.6	
85,0°	2.8	2.4	1.9	1.8	1.6	1.5	7.1	6.2	5.5	4.9	4.4	4.0	3.8	
87,5°	1.2	0.9	0.8	0.6	0.5	0.5	3.9	3.5	3.1	2.9	2.6	2.4	2.1	
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	

Lichttechnischer Prüfbefund

Familie Streetlight 11 micro LED				Bestell-Nr.: 5XC1BC1F08DE EAN: 4069025076359								LP-Nummer 59318_210	
Wertetabelle Lichtstärkemessung												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°	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	0.5	0.5
2,5°	328.8	326.6	324.6	322.7	320.6	319.1	317.2	316.1	314.6	313.6	313.3	4.2	4.7
5,0°	301.9	297.4	293.1	289.4	285.6	282.2	279.6	277.4	275.4	274.0	273.4	8.2	12.9
7,5°	274.3	267.7	261.9	256.5	251.6	247.2	243.4	240.4	237.7	235.8	235.4	12.1	25.0
10,0°	247.0	238.5	231.2	224.7	219.1	214.1	209.7	206.2	203.2	201.2	200.9	15.7	40.7
12,5°	220.6	210.6	202.0	194.5	188.2	182.9	178.6	174.7	171.8	170.0	169.3	19.1	59.8
15,0°	197.1	185.7	176.4	168.6	162.0	156.7	152.5	148.9	146.3	144.8	144.3	22.2	81.9
17,5°	175.6	163.5	153.7	145.8	139.3	134.3	130.2	127.0	124.6	123.2	122.9	25.0	107.0
20,0°	158.0	145.7	135.8	127.9	122.0	117.0	113.4	110.5	108.5	107.3	106.8	27.7	134.7
22,5°	142.9	130.6	120.7	113.3	107.6	103.2	99.8	97.4	95.5	94.5	94.2	30.2	164.9
25,0°	131.2	118.8	109.5	102.2	97.0	93.1	90.0	87.8	86.1	85.0	84.7	32.4	197.3
27,5°	121.4	109.5	100.1	93.5	88.6	85.1	82.2	80.2	78.7	77.8	77.4	34.3	231.5
30,0°	113.4	101.5	93.2	87.3	82.7	79.3	76.8	74.6	73.1	72.4	72.0	35.8	267.3
32,5°	106.3	95.4	87.6	82.2	78.2	74.9	72.1	70.0	68.4	67.6	67.6	36.9	304.2
35,0°	100.3	90.3	83.4	78.4	74.5	71.0	68.3	65.8	64.1	63.1	63.1	37.6	341.9
37,5°	95.5	86.9	80.6	75.8	71.7	68.0	64.8	62.3	60.4	59.2	59.0	38.1	380.0
40,0°	91.6	84.2	78.6	73.7	69.3	65.2	61.7	58.8	56.8	55.6	55.2	38.3	418.3
42,5°	87.8	82.0	77.2	72.1	67.1	62.8	58.8	55.6	53.4	52.1	51.6	38.6	456.9
45,0°	84.7	80.0	75.6	70.3	65.2	60.2	55.7	52.4	50.0	48.7	48.1	39.1	495.9
47,5°	81.4	77.8	73.7	68.4	63.0	57.5	52.6	49.2	46.7	45.1	44.4	39.4	535.4
50,0°	77.9	74.8	71.1	66.1	60.5	54.8	49.7	45.7	43.0	41.3	40.7	39.5	574.8
52,5°	73.9	71.9	68.0	63.1	57.8	52.0	46.8	42.8	39.8	37.9	37.2	39.7	614.5
55,0°	68.9	67.8	64.6	59.9	54.8	48.9	44.0	39.9	37.0	35.0	34.1	40.5	655.0
57,5°	63.4	62.6	60.5	56.5	51.2	45.9	41.2	37.1	34.1	31.9	31.1	41.9	696.9
60,0°	58.0	57.4	56.2	52.7	47.5	42.6	38.2	34.5	31.4	29.3	28.6	44.1	741.0
62,5°	52.4	52.0	50.9	48.0	43.6	39.2	35.1	31.5	28.8	26.8	26.1	45.4	786.4
65,0°	48.1	46.8	45.2	42.9	39.3	35.9	32.0	28.9	26.3	24.6	23.9	44.7	831.2
67,5°	43.3	41.9	39.9	37.0	34.7	32.1	29.2	26.5	24.0	22.3	21.7	42.4	873.6
70,0°	38.3	36.8	35.1	32.0	30.0	28.4	26.5	24.0	21.7	20.1	19.5	39.3	912.9
72,5°	33.5	32.5	30.4	27.7	26.0	24.8	23.3	21.2	19.1	17.7	17.2	34.1	947.1
75,0°	29.2	28.2	26.5	24.1	22.3	20.8	19.7	18.0	16.2	14.8	14.5	26.1	973.2
77,5°	25.1	24.6	22.6	20.4	18.7	17.2	15.8	14.8	13.3	11.9	11.4	14.9	988.0
80,0°	19.5	20.1	18.9	16.7	15.2	13.7	12.4	11.1	9.8	8.6	8.2	7.2	995.3
82,5°	12.6	12.9	13.0	12.5	11.6	10.3	8.9	7.5	6.1	5.3	5.0	2.8	998.1
85,0°	3.9	4.4	5.0	5.6	5.6	5.5	4.8	3.7	2.9	2.4	2.2	1.3	999.4
87,5°	1.9	1.7	1.4	1.2	0.9	0.8	0.8	0.7	0.3	0.2	0.2	0.6	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

Lichttechnischer Prüfbefund

Familie Streetlight 11 micro LED	Bestell-Nr.: 5XC1BC1F08DE EAN: 4069025076359	LP-Nummer 59318_210
Dimmstufen-Tabelle		Umgebungstemperatur: 25°C
		siteco

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	2970	27.8	28.3	28.0
95	241	252	2818	26.1	26.7	26.4
90	229	250	2678	24.6	25.0	24.8
85	216	248	2526	22.9	23.5	23.2
80	203	246	2374	21.4	21.8	21.6
75	190	243	2222	19.9	20.3	20.1
70	178	241	2081	18.5	18.8	18.6
65	165	238	1929	17.1	17.4	17.2
60	152	235	1777	15.6	16.0	15.8
55	140	232	1637	14.4	14.7	14.6
50	127	229	1485	13.1	13.3	13.2
45	114	225	1333	11.8	11.9	11.9
40	102	221	1193	10.5	10.7	10.6
35	89	216	1041	9.3	9.5	9.4
30	76	210	889	8.1	8.3	8.2
25	63	203	737	7.0	7.1	7.0
20	51	195	596	5.9	6.0	6.0
15	38	184	444	4.8	4.9	4.8
14	35	181	409	4.6	4.6	4.6