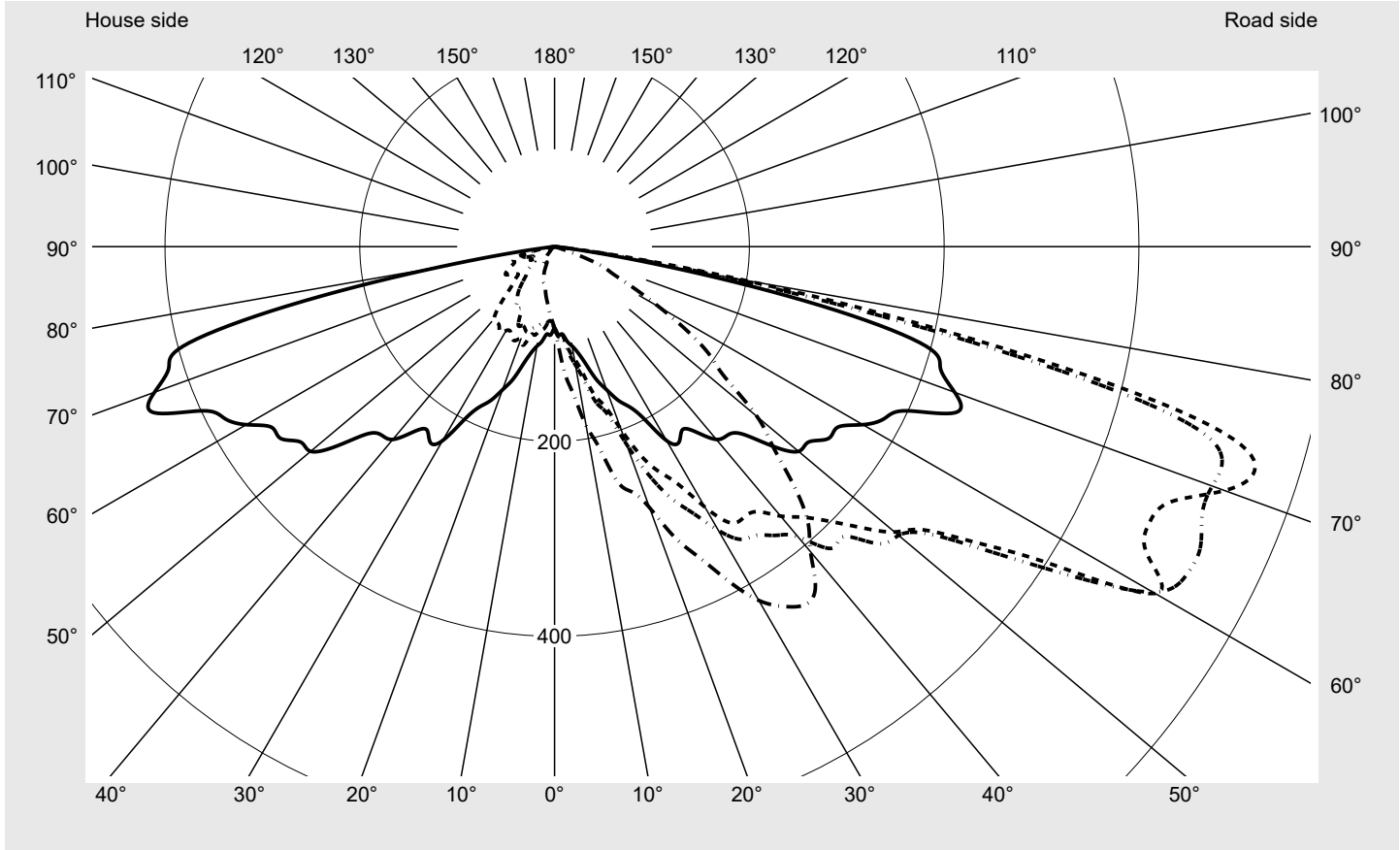


Photometric test report

Family Streetlight 11 micro LED	Order number: 5XC1N51Y08DE EAN: 4058352917114	LP number 59457_35
	Version post-top or side-entry mounting, Smart Interface up/down Optic asymmetric, extreme wide distribution with Back Light Control (ST1.0aB) Cover transparent, PMMA Lamps LED 3000 K CRI ≥ 70 Controlgear EVG SITECO iQ - Smart Interface Rated values Net luminous flux = 3110 lm Power consumption = 25.4 W Luminous efficacy = 122.4 lm/W	serial documentation 27.09.2023



Luminous intensity in cd/klm C180-0 C195-15 C200-20 C270-90 **Imax: 754 cd/klm**



Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

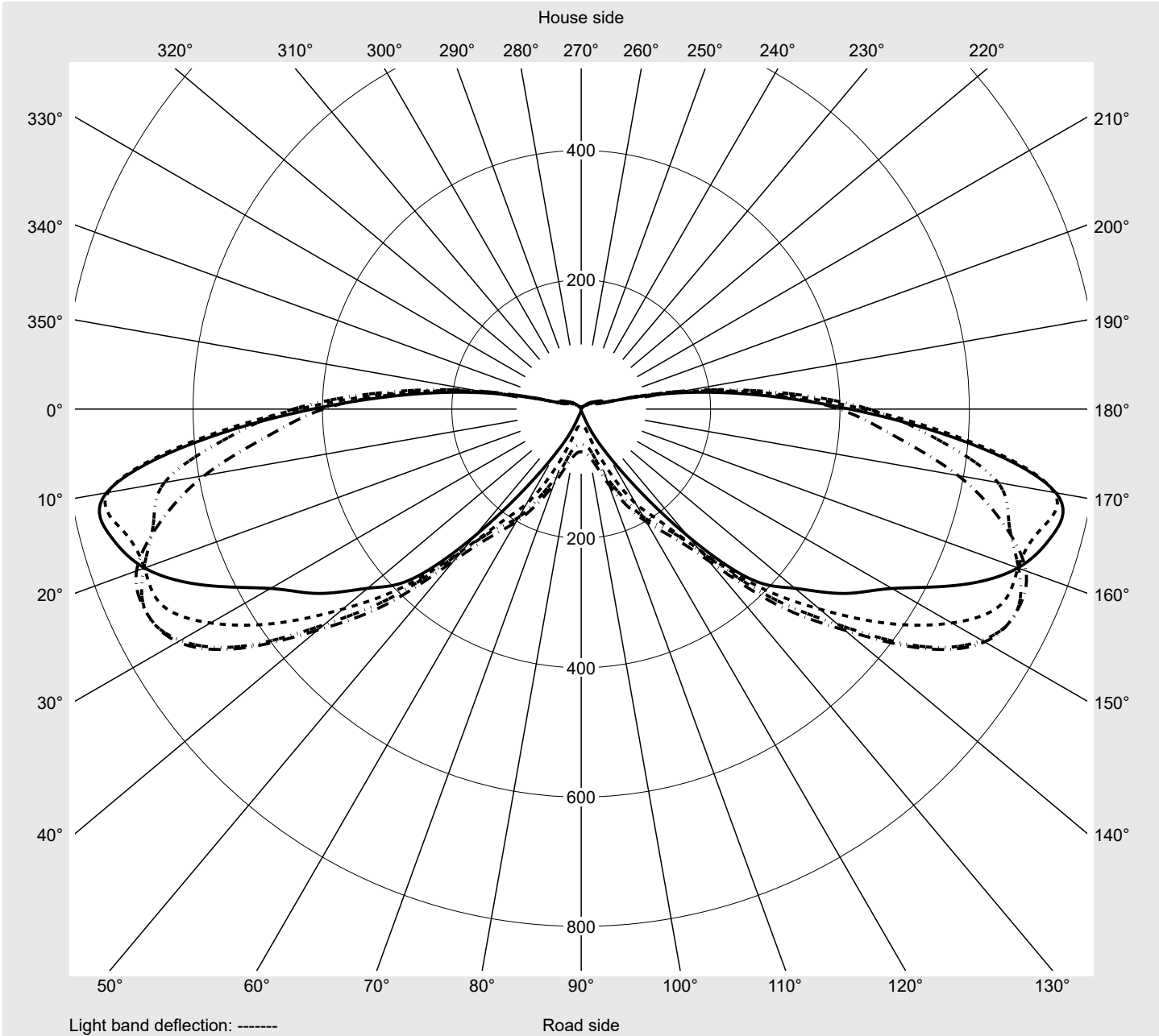
Luminous intensity class acc. to EN13201-2	
Class:	G1
Imax 70°	742.9
Imax 80°	194.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Streetlight 11 micro LED	Order number: 5XC1N51Y08DE EAN: 4058352917114	LP number 59457_35
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Envelope curve in cd/klm **KMK 72.5°** **KMK 70°** **KMK 67.5°** **KMK 65°** **siteco**



Photometric test report

Family Streetlight 11 micro LED	Order number: 5XC1N51Y08DE EAN: 4058352917114	LP number 59457_35
Table of values for luminous intensities		Maximum luminous intensity
siteco		

C-planes	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	Luminous intensity in cd/klm												
0,0°	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
2,5°	90.7	90.4	89.6	89.6	92.6	95.8	96.7	97.7	98.9	99.7	99.4	98.3	98.9
5,0°	90.1	90.9	91.0	90.8	93.4	99.4	105.1	110.0	112.1	113.3	116.6	120.2	123.6
7,5°	97.8	100.7	102.4	105.0	109.4	114.0	119.6	126.7	130.4	132.5	135.6	139.9	145.0
10,0°	103.6	106.4	110.5	116.9	123.4	128.7	132.7	139.3	141.8	143.6	147.6	151.3	157.4
12,5°	111.8	117.3	123.2	132.2	141.1	147.9	152.1	158.1	165.3	172.9	180.1	185.3	193.8
15,0°	125.2	133.6	145.8	157.3	166.0	174.5	179.6	187.6	195.8	203.8	214.1	219.5	222.2
17,5°	143.2	155.5	164.5	171.9	180.0	189.8	197.5	200.1	207.5	218.4	228.9	237.2	238.4
20,0°	156.4	173.2	183.5	200.0	215.7	230.8	239.2	240.9	243.5	246.5	255.5	265.9	271.5
22,5°	170.8	187.0	210.2	232.7	254.6	270.3	278.3	280.9	284.4	287.3	295.1	302.1	306.7
25,0°	181.3	201.9	229.5	255.3	285.9	298.3	297.6	301.1	310.9	320.5	327.1	336.2	345.9
27,5°	199.6	223.0	249.0	275.0	308.8	330.8	334.2	332.9	340.4	347.8	346.0	350.2	361.3
30,0°	229.9	263.1	284.9	308.6	336.3	357.1	363.1	360.8	363.2	367.2	369.3	373.6	377.3
32,5°	237.9	268.2	303.2	336.2	356.3	370.3	380.8	388.7	395.3	396.8	395.5	398.8	401.1
35,0°	229.2	258.8	302.6	339.1	361.7	384.4	397.9	409.4	417.6	415.7	411.6	408.9	410.5
37,5°	240.5	269.2	303.8	342.9	373.6	395.9	415.8	429.1	425.2	416.6	408.2	393.8	398.7
40,0°	258.4	286.2	322.8	361.1	388.8	409.4	426.1	433.8	426.7	417.1	404.6	397.1	398.3
42,5°	262.6	307.8	341.9	376.7	420.2	432.6	432.9	449.5	450.5	420.8	402.7	394.6	390.9
45,0°	271.8	332.1	375.9	398.6	420.7	449.8	466.6	471.6	458.9	428.9	404.4	386.4	378.1
47,5°	302.7	373.9	405.2	426.9	451.5	472.8	491.1	480.4	458.4	436.1	412.4	380.6	357.9
50,0°	327.0	400.8	432.0	455.7	461.1	473.9	487.7	483.4	462.4	434.6	408.1	362.7	325.3
52,5°	329.2	407.3	456.4	477.7	484.5	499.6	505.3	497.0	463.5	423.3	381.5	334.3	311.5
55,0°	343.4	414.5	489.4	530.3	545.3	562.1	551.7	525.4	475.1	419.2	362.9	303.1	278.0
57,5°	344.9	447.4	527.2	608.8	628.7	618.3	599.7	560.8	488.5	413.0	343.5	277.3	248.3
60,0°	365.5	499.4	616.7	712.2	709.4	673.8	648.7	595.7	500.0	408.6	330.9	277.1	243.0
62,5°	382.0	492.2	604.2	686.5	731.0	714.9	688.2	618.4	525.8	415.5	317.6	258.9	222.0
65,0°	398.7	488.0	591.6	673.3	731.6	742.3	720.1	645.3	532.0	427.9	306.2	239.1	201.3
67,5°	445.3	556.0	654.2	684.7	719.6	742.5	715.5	639.3	518.7	408.5	288.1	224.4	192.8
70,0°	437.2	611.3	742.9	732.2	718.6	715.8	661.6	577.7	481.2	388.9	284.8	211.1	168.8
72,5°	415.4	601.1	745.2	754.3	718.3	643.9	554.8	497.1	431.2	372.9	256.3	146.8	79.9
75,0°	395.0	544.9	656.0	682.3	642.3	531.3	429.6	403.8	358.9	245.3	111.8	36.6	10.0
77,5°	280.5	372.5	430.3	442.8	397.4	333.4	289.5	230.9	140.4	47.1	7.8	0.0	0.0
80,0°	118.6	154.3	189.4	194.9	165.3	140.7	101.2	41.4	8.9	0.0	0.0	0.0	0.0
82,5°	22.3	28.1	36.5	41.6	37.9	27.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
85,0°	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

Photometric test report

Family Streetlight 11 micro LED	Order number: 5XC1N51Y08DE EAN: 4058352917114	LP number 59457_35
Table of values for luminous intensities		Maximum luminous intensity
siteco		

C-planes	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	Luminous intensity in cd/klm												
0,0°	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
2,5°	98.6	99.1	101.0	101.8	103.4	104.7	86.5	82.9	78.7	76.7	75.0	73.9	74.2
5,0°	124.8	126.6	127.6	127.5	131.0	134.0	86.1	81.9	78.6	77.6	76.4	73.4	71.8
7,5°	147.8	149.0	148.4	151.1	154.5	154.8	94.1	89.6	85.3	81.2	77.6	75.0	71.4
10,0°	165.9	172.0	175.7	184.2	188.3	186.6	98.1	92.3	86.7	81.0	76.7	73.6	68.8
12,5°	202.3	207.5	211.3	213.9	213.7	211.2	104.3	98.4	92.9	85.1	78.2	71.2	63.9
15,0°	225.4	231.4	234.6	245.0	251.8	249.7	113.0	102.9	93.9	86.9	79.3	68.6	59.2
17,5°	239.2	244.6	249.2	255.0	260.6	264.0	129.0	117.8	105.9	92.1	77.5	68.1	58.0
20,0°	275.0	280.6	283.6	284.2	284.2	285.2	138.4	118.6	101.1	89.2	75.4	65.6	58.1
22,5°	310.7	314.2	315.9	318.0	321.4	323.4	151.1	127.7	104.3	87.8	75.3	63.7	53.3
25,0°	341.5	337.6	342.8	348.8	350.3	352.4	160.0	132.2	103.5	88.2	70.6	57.9	50.1
27,5°	374.8	380.5	383.8	387.9	388.0	387.2	175.8	140.1	98.2	74.1	61.4	53.3	44.7
30,0°	379.5	393.7	407.6	411.8	416.2	419.4	184.6	142.5	99.5	73.6	57.7	48.7	38.8
32,5°	401.0	403.5	412.2	426.4	435.0	437.9	193.3	147.6	104.0	73.3	52.0	40.1	35.2
35,0°	419.2	422.4	422.5	435.6	445.7	448.7	186.7	143.1	99.2	66.6	45.2	35.4	29.5
37,5°	415.6	427.1	432.3	432.2	436.8	440.0	190.5	143.1	98.0	62.3	42.1	34.5	27.7
40,0°	400.5	406.3	413.2	412.8	409.8	408.8	203.0	153.5	96.5	55.6	37.1	30.1	23.0
42,5°	402.4	406.8	400.1	383.3	377.8	385.5	209.2	149.2	86.1	47.7	31.6	22.6	19.0
45,0°	383.4	377.9	365.8	363.7	358.0	348.1	205.7	134.1	71.5	41.1	30.5	22.9	20.5
47,5°	353.3	337.4	324.0	320.1	311.0	304.5	216.3	128.3	59.8	39.0	26.5	22.6	19.1
50,0°	320.4	304.1	287.9	281.2	270.4	271.6	232.3	136.7	54.2	32.9	22.4	18.1	14.6
52,5°	296.6	272.2	245.6	233.2	223.2	221.0	232.0	130.6	47.1	26.1	16.7	13.2	11.8
55,0°	263.0	239.0	214.4	195.3	190.2	195.0	233.6	129.2	49.6	25.2	16.6	12.9	10.2
57,5°	227.9	202.7	178.8	161.7	157.9	162.8	233.0	141.0	52.2	21.8	12.8	11.9	9.9
60,0°	196.3	165.8	147.0	132.3	126.4	124.4	242.3	145.8	57.7	27.6	18.5	13.7	11.9
62,5°	173.7	133.9	112.3	100.0	91.8	90.8	260.8	149.2	55.4	27.0	17.3	12.9	11.5
65,0°	162.4	123.5	92.0	75.5	67.7	66.1	276.7	153.3	50.7	24.0	20.2	14.9	10.8
67,5°	147.6	109.8	75.5	60.0	56.1	54.1	300.7	161.7	45.3	26.5	24.0	17.0	11.5
70,0°	114.6	67.0	38.1	28.1	28.5	29.3	285.9	151.3	44.0	31.3	26.4	19.3	14.1
72,5°	41.7	14.3	7.3	4.1	3.4	3.6	262.8	140.2	44.5	34.2	29.4	22.5	18.5
75,0°	1.2	0.0	0.0	0.0	0.0	0.0	249.7	130.7	39.3	34.0	27.6	23.6	19.6
77,5°	0.0	0.0	0.0	0.0	0.0	0.0	174.3	91.4	26.0	27.2	24.0	19.1	12.8
80,0°	0.0	0.0	0.0	0.0	0.0	0.0	70.5	37.2	13.0	14.3	12.9	6.6	2.7
82,5°	0.0	0.0	0.0	0.0	0.0	0.0	13.4	6.6	2.7	3.4	2.6	0.6	0.0
85,0°	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
87,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

Photometric test report

Family Streetlight 11 micro LED	Order number: 5XC1N51Y08DE EAN: 4058352917114	LP number 59457_35
Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm											Luminous flux in lm/klm	
0,0°	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	0.1	0.1
2,5°	72.4	71.5	72.1	69.9	70.0	69.5	69.6	71.1	73.1	74.4	73.9	1.0	1.2
5,0°	69.8	67.0	66.8	66.5	65.8	65.0	63.6	63.8	64.7	65.0	65.3	2.2	3.3
7,5°	66.2	63.1	60.9	59.1	58.9	56.8	55.7	57.1	56.9	56.7	57.3	3.6	6.9
10,0°	63.9	60.2	57.2	55.3	51.9	47.8	47.7	48.7	48.0	49.2	50.9	5.0	11.9
12,5°	59.7	54.4	51.3	50.0	47.1	45.9	45.2	43.9	43.5	43.8	43.9	7.0	18.9
15,0°	52.0	47.6	45.9	43.8	44.1	43.2	40.8	40.7	40.5	39.4	39.3	9.3	28.2
17,5°	51.8	47.6	44.0	40.1	37.4	33.6	32.6	33.4	35.0	36.6	37.5	11.4	39.6
20,0°	52.3	46.9	42.0	35.9	33.2	30.6	29.2	29.0	29.7	31.7	32.1	14.3	53.9
22,5°	46.0	43.7	40.1	31.9	28.8	29.6	28.2	25.0	24.4	26.4	27.1	17.8	71.7
25,0°	43.9	40.8	37.1	29.8	26.1	24.8	22.4	19.8	18.8	19.1	18.9	21.1	92.7
27,5°	38.8	35.1	31.2	27.2	24.5	22.4	20.6	20.3	20.3	19.6	18.8	24.7	117.4
30,0°	32.0	30.1	27.9	24.3	23.8	24.5	21.8	19.2	19.4	21.4	22.9	28.5	145.9
32,5°	30.5	27.8	24.4	20.6	19.6	20.3	20.5	18.6	17.3	19.6	21.7	31.9	177.8
35,0°	25.0	23.6	21.5	18.1	17.1	17.2	15.9	15.8	16.6	16.1	15.4	34.6	212.4
37,5°	22.7	21.4	18.8	15.2	14.2	13.9	13.4	15.5	15.9	13.9	13.1	36.8	249.2
40,0°	18.9	17.9	16.1	14.6	14.4	12.2	12.0	14.1	13.7	12.2	11.9	38.8	288.0
42,5°	16.9	14.0	13.4	13.7	12.5	12.1	11.5	11.0	11.5	9.4	8.3	40.9	328.9
45,0°	16.6	13.6	12.4	13.6	14.8	13.9	10.8	9.7	11.1	8.3	6.2	42.7	371.5
47,5°	13.3	12.7	12.5	11.3	11.8	12.1	10.4	9.1	8.4	6.4	5.4	44.2	415.7
50,0°	11.2	9.0	9.4	9.3	9.3	9.6	8.6	8.0	8.3	6.6	4.5	45.0	460.7
52,5°	10.2	9.2	9.9	9.0	7.5	8.3	7.7	8.5	8.3	6.1	5.8	45.4	506.2
55,0°	9.1	8.7	6.8	5.8	5.7	6.1	6.5	6.7	6.2	5.1	4.7	47.1	553.2
57,5°	9.4	8.1	7.1	6.0	4.8	4.7	4.6	5.0	5.2	4.2	2.8	49.2	602.4
60,0°	10.5	7.0	5.8	5.7	5.0	4.9	3.8	4.1	4.0	3.1	2.7	52.7	655.1
62,5°	10.0	6.9	5.5	5.6	4.5	4.2	3.7	2.7	2.1	2.2	2.4	53.3	708.4
65,0°	10.1	7.2	6.2	5.5	3.3	3.6	3.8	2.5	1.6	1.3	1.3	54.2	762.6
67,5°	8.5	7.8	6.4	4.1	2.3	2.2	2.3	2.1	1.3	1.0	1.1	55.5	818.1
70,0°	9.4	7.8	5.7	3.1	2.3	1.5	1.2	1.4	0.9	0.6	0.8	54.6	872.7
72,5°	13.7	8.3	4.8	2.2	1.1	0.4	0.3	0.5	0.4	0.0	0.0	49.9	922.6
75,0°	13.4	5.5	1.9	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	41.2	963.8
77,5°	6.3	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.9	988.7
80,0°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	998.3
82,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1000.0
85,0°	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
87,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

Photometric test report

Family Streetlight 11 micro LED	Order number: 5XC1N51Y08DE EAN: 4058352917114	LP number 59457_35
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Dimming levels table	environmental temperature: 25°C	siteco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	3110	25.4	26.1	25.8
95	241	252	2951	23.9	24.6	24.2
90	229	250	2804	22.6	23.2	22.9
85	216	248	2645	21.2	21.7	21.4
80	203	246	2486	19.8	20.3	20.0
75	190	243	2326	18.4	18.9	18.6
70	178	241	2179	17.1	17.6	17.4
65	165	238	2020	15.8	16.2	16.0
60	152	235	1861	14.5	14.9	14.7
55	140	232	1714	13.3	13.7	13.5
50	127	229	1555	12.0	12.4	12.2
45	114	225	1396	10.8	11.0	10.9
40	102	221	1249	9.7	9.9	9.8
35	89	216	1090	8.5	8.7	8.6
30	76	210	931	7.3	7.5	7.4
25	63	203	771	6.1	6.3	6.2
20	51	195	624	5.0	5.2	5.1
15	38	184	465	3.9	4.0	4.0