

Photometric test report

Family Streetlight 11 micro LED

Order number: 5XC1AC1Y08DE
EAN: 4069025078636

LP number
58065_240

serial
documentation
25.04.2024



Version	post-top or side-entry mounting
Optic	direct, asymmetric wide distribution S120001
Cover	transparent, PMMA
Lamps	LED 3000 K CRI ≥ 70
Controlgear	EVG SITECO iQ - Smart Interface
Setting	factory setting
Rated values	Net luminous flux = 3620 lm Power consumption = 27.1 W Luminous efficacy = 133.6 lm/W

siteco

Luminous intensity in cd/klm

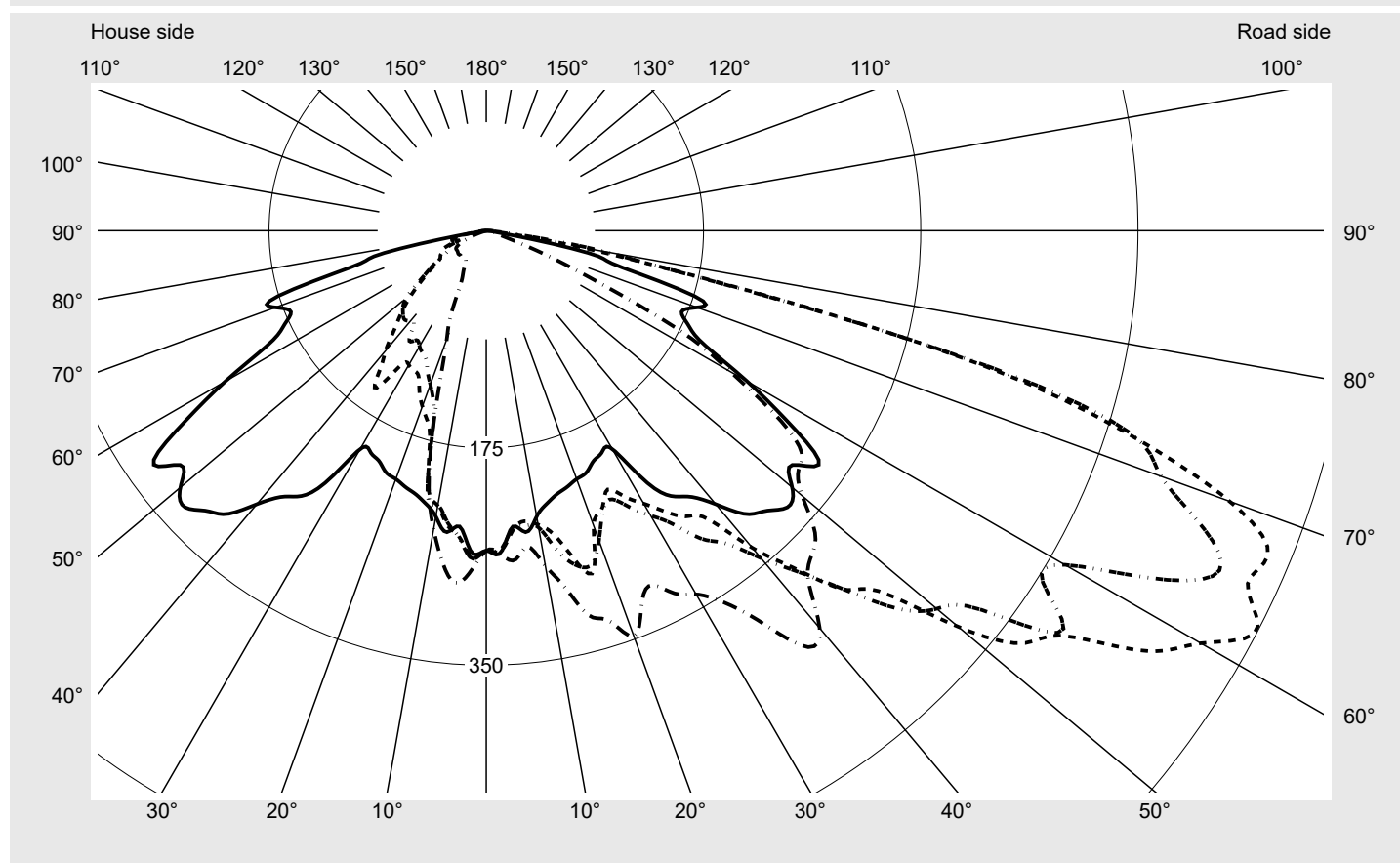
C180-0

C205-25

C210-30

C270-90

Imax: 699 cd/klm



Luminaire output ratios

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

Measurement conditions

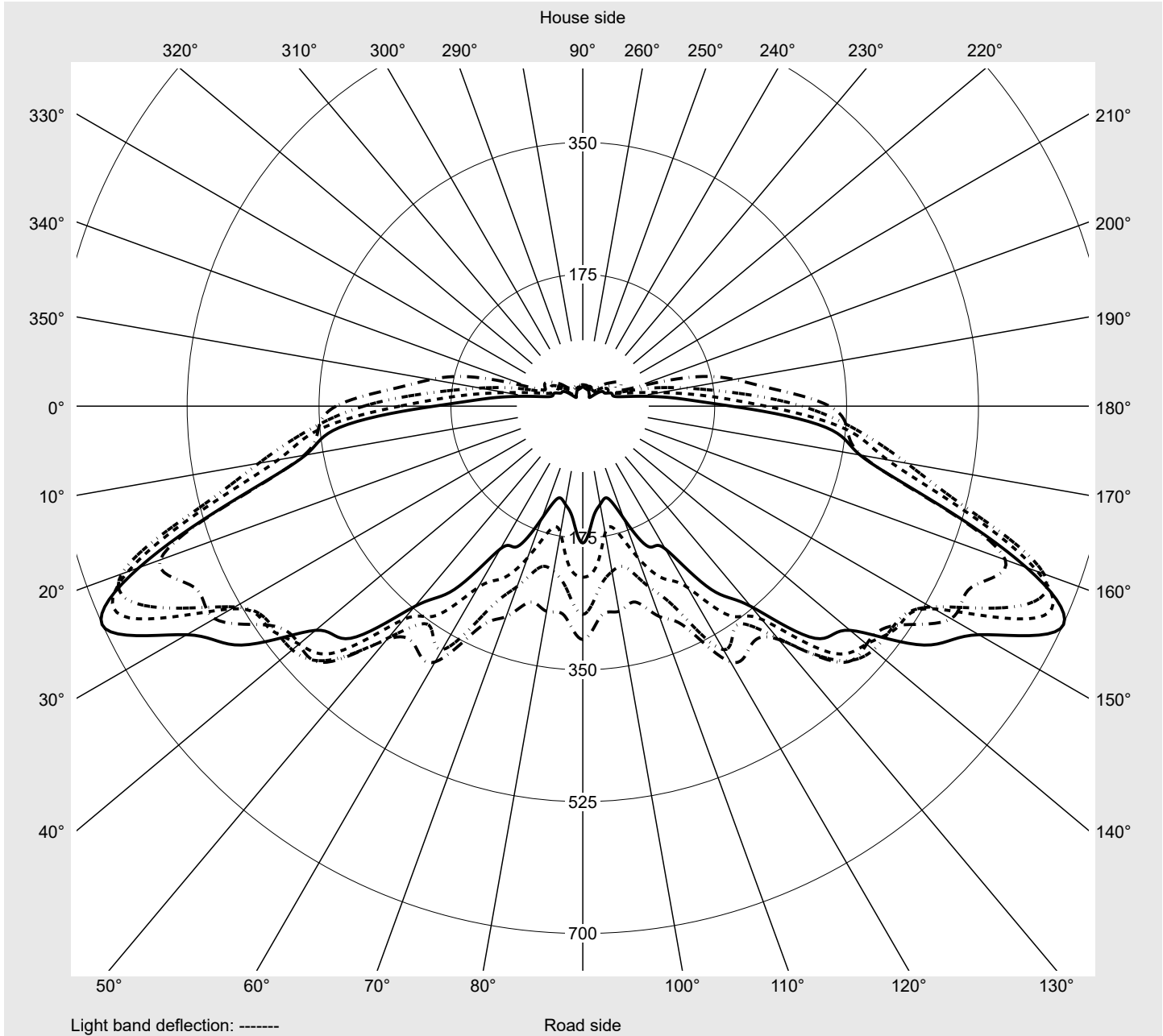
DIN EN 13032 and DIN 5032

Luminous intensity class acc. to EN13201-2

Class:	G3
Imax 70°	637.5
Imax 80°	98.2
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

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Envelope curve in cd/klm KMK 62.5° KMK 60° KMK 57.5° KMK 55°		siteco



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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°	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7
2,5°	259.9	259.7	259.7	260.1	259.7	258.6	257.4	255.7	253.8	253.3	252.7	252.9	253.7
5,0°	239.6	238.9	237.5	239.1	243.2	242.7	240.8	244.6	250.6	256.3	263.1	271.3	271.3
7,5°	244.9	242.1	235.6	230.9	228.8	236.0	239.4	250.8	256.3	259.9	254.4	255.2	258.8
10,0°	233.7	243.2	241.5	238.9	240.0	240.4	242.7	243.0	250.6	255.7	265.4	267.5	278.3
12,5°	225.2	233.7	239.6	245.3	250.1	250.4	263.7	271.5	263.5	263.7	272.0	275.3	277.7
15,0°	219.7	229.0	247.6	256.3	265.0	273.9	278.9	272.2	267.7	271.1	272.8	264.7	275.6
17,5°	216.5	223.5	248.2	257.8	271.3	287.6	282.1	276.8	264.1	264.7	264.1	271.1	270.1
20,0°	212.9	224.3	235.6	241.9	249.3	252.9	265.6	273.9	277.0	265.4	250.6	254.8	274.5
22,5°	210.8	219.3	222.6	234.7	239.4	243.0	245.1	248.3	255.4	253.7	253.7	262.2	262.4
25,0°	204.6	216.7	224.8	227.7	230.5	230.3	238.7	255.2	263.5	262.2	277.0	272.4	278.5
27,5°	201.5	215.0	216.5	224.8	233.7	241.5	251.4	261.8	265.4	279.6	301.0	305.2	312.8
30,0°	203.0	214.8	220.7	231.7	244.7	253.8	265.0	270.1	283.8	299.2	324.7	337.6	348.1
32,5°	240.0	235.6	234.5	235.3	252.5	268.3	280.4	287.4	312.2	327.0	350.0	360.2	381.1
35,0°	261.0	262.6	256.5	255.9	264.3	281.0	303.1	310.9	322.3	347.3	367.4	382.6	402.5
37,5°	270.1	279.4	281.0	280.8	282.5	292.3	317.5	330.6	342.0	366.8	377.3	417.6	423.1
40,0°	287.6	289.7	295.7	308.3	316.2	333.5	344.3	342.9	362.1	396.0	398.7	425.6	460.3
42,5°	309.6	310.1	306.5	320.6	345.6	369.9	373.1	366.5	370.1	405.9	409.7	424.1	463.7
45,0°	319.1	326.6	339.9	375.4	394.1	408.9	409.3	397.9	403.0	408.5	412.3	421.8	444.0
47,5°	329.5	324.9	325.9	392.6	432.8	430.2	451.0	434.1	450.1	424.7	412.7	419.2	439.1
50,0°	321.7	337.0	337.0	403.0	489.7	496.5	473.8	484.8	475.1	452.0	430.2	413.1	420.5
52,5°	310.1	321.7	346.7	404.6	507.5	545.8	500.9	473.0	508.8	459.5	427.7	416.3	397.2
55,0°	327.4	352.3	375.6	473.9	596.6	568.9	564.2	507.3	491.6	480.8	404.6	388.3	392.0
57,5°	290.6	365.3	436.7	530.2	651.2	630.3	533.1	505.4	503.3	477.0	401.5	355.3	373.3
60,0°	242.7	350.2	410.5	516.6	642.3	664.7	538.2	510.5	491.4	462.0	369.5	339.3	277.9
62,5°	197.0	323.8	373.5	476.4	626.6	699.2	606.8	553.0	462.9	435.8	347.1	297.1	218.8
65,0°	179.5	280.2	343.1	404.0	556.8	676.6	650.6	531.2	454.6	415.7	339.3	267.7	193.9
67,5°	170.4	253.6	315.8	366.1	567.4	681.7	625.0	497.3	409.1	364.7	296.5	241.5	173.8
70,0°	180.7	254.0	305.9	356.9	500.0	637.5	578.2	458.2	366.5	303.9	243.8	186.5	151.1
72,5°	177.1	253.8	262.9	340.7	417.3	539.9	545.4	397.0	317.0	272.8	193.0	154.3	144.8
75,0°	110.7	201.4	253.0	322.9	326.5	401.9	408.9	286.5	228.6	201.1	142.4	135.5	132.5
77,5°	88.0	125.7	156.6	239.2	175.9	190.1	183.1	164.0	125.9	136.7	94.4	91.6	91.9
80,0°	24.5	28.1	39.4	78.7	68.8	80.0	96.1	98.2	94.9	89.3	52.1	31.7	29.0
82,5°	5.9	6.6	7.8	9.5	12.1	17.6	35.1	52.1	44.2	29.6	19.5	15.7	12.1
85,0°	4.2	4.4	4.7	5.5	6.8	8.0	8.7	9.7	9.9	9.1	8.5	7.6	7.2
87,5°	2.7	2.7	3.0	3.4	3.8	4.6	4.7	5.1	5.3	4.9	4.6	4.2	3.6
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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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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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°	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7
2,5°	255.2	257.3	259.0	260.5	261.0	260.5	260.5	260.9	261.4	262.0	262.8	264.3	266.5
5,0°	271.1	267.7	264.7	264.1	266.0	266.2	241.5	243.6	246.1	247.0	247.8	248.5	247.0
7,5°	257.6	258.8	261.4	260.7	257.3	256.7	241.5	238.9	239.6	239.6	239.4	237.4	234.1
10,0°	278.1	274.7	268.3	265.0	270.1	274.1	225.6	221.4	223.7	228.4	224.8	224.5	220.5
12,5°	274.9	275.1	275.6	285.7	289.5	294.6	219.9	216.9	213.3	209.1	214.4	218.6	219.3
15,0°	280.8	283.8	297.3	315.8	317.9	321.1	215.7	202.3	195.1	186.0	175.7	167.2	166.3
17,5°	291.2	299.0	298.2	315.1	329.9	329.5	198.7	186.4	181.8	175.4	159.2	142.2	130.1
20,0°	271.3	289.1	297.8	313.2	341.0	347.7	199.8	181.6	168.9	161.5	150.5	131.8	120.4
22,5°	270.5	277.2	305.4	312.6	324.4	326.8	190.3	175.9	161.0	150.7	140.7	123.4	105.2
25,0°	282.8	301.6	307.7	314.7	328.2	315.1	190.9	167.2	157.3	140.3	129.1	114.5	102.6
27,5°	315.3	328.0	341.6	331.0	327.8	329.5	184.8	171.2	157.0	141.2	126.8	110.9	93.1
30,0°	362.3	355.3	351.3	350.0	344.3	338.2	189.8	175.4	158.7	140.1	124.7	107.5	87.6
32,5°	375.7	361.3	361.5	370.6	364.6	354.5	230.1	220.3	179.5	151.7	129.1	104.5	85.1
35,0°	399.3	383.3	385.8	390.0	393.9	384.1	253.1	241.5	199.8	175.5	154.7	108.1	82.5
37,5°	425.0	417.1	400.2	406.6	416.9	422.4	261.4	243.2	194.1	165.9	140.3	96.1	84.7
40,0°	456.3	428.4	401.5	377.8	394.5	417.8	293.1	265.8	201.9	175.2	126.3	94.8	88.7
42,5°	467.3	416.5	391.7	370.2	369.9	384.5	299.0	255.9	192.0	172.1	110.9	97.3	86.6
45,0°	479.8	431.7	387.1	364.9	366.5	370.4	313.6	262.0	196.8	154.1	99.2	94.8	89.7
47,5°	461.1	403.4	368.2	367.0	372.9	359.1	308.1	244.2	191.3	127.6	88.3	91.0	93.1
50,0°	420.3	371.2	331.2	323.8	346.4	332.1	295.6	240.4	177.4	103.5	76.8	84.0	77.5
52,5°	382.0	343.3	299.5	312.4	316.4	317.0	279.1	224.8	162.7	87.2	65.0	70.1	65.2
55,0°	324.2	297.3	269.2	276.6	279.2	309.8	255.9	204.2	148.4	70.5	54.8	58.4	55.9
57,5°	299.3	254.8	221.8	222.9	244.0	276.4	202.8	138.2	92.1	55.0	45.9	49.3	47.6
60,0°	252.3	214.2	171.2	170.8	212.1	227.1	161.3	103.5	68.4	49.7	42.7	39.6	40.0
62,5°	205.7	158.5	126.4	132.5	150.5	181.6	122.8	75.3	48.5	42.1	41.1	34.5	33.2
65,0°	152.2	108.4	88.3	87.6	107.1	106.9	112.6	58.0	45.9	38.3	38.1	32.4	33.0
67,5°	140.1	83.2	53.8	49.7	68.6	59.5	108.4	56.3	45.1	35.3	36.8	32.4	24.5
70,0°	131.4	69.2	38.1	24.1	29.0	25.4	106.4	59.1	44.9	35.6	29.6	24.1	22.2
72,5°	108.6	36.0	24.5	13.6	12.5	12.1	92.3	63.5	49.3	45.9	30.9	26.5	22.6
75,0°	79.2	24.6	15.2	10.4	9.3	9.1	63.1	60.5	59.0	37.2	30.1	28.4	20.1
77,5°	30.7	16.9	10.8	8.2	7.2	7.6	72.4	53.5	51.6	29.2	26.9	24.3	17.6
80,0°	16.3	11.4	7.8	6.1	5.3	5.3	20.5	23.7	21.0	16.1	15.7	17.3	18.6
82,5°	10.0	7.4	5.5	4.2	3.6	3.4	5.5	5.5	5.7	6.1	6.8	7.4	7.6
85,0°	5.7	4.4	3.0	2.3	1.9	1.9	3.8	3.6	3.6	3.8	4.0	3.6	3.6
87,5°	2.8	2.1	1.3	0.9	0.8	0.8	2.3	2.3	2.3	2.3	2.1	2.1	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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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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Streetlight 11 micro LED				EAN: 4069025078636								58065_240			
Table of values for luminous intensities												Maximum luminous intensity		sīteco	
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°	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	0.4	0.4		
2,5°	268.8	270.9	274.5	277.0	277.5	276.0	273.9	274.7	275.5	274.3	273.7	3.1	3.5		
5,0°	245.5	250.1	256.1	261.6	261.4	267.5	270.9	279.4	284.7	286.3	284.7	6.1	9.7		
7,5°	229.8	233.2	242.3	242.1	245.1	253.5	255.9	257.4	260.5	266.2	269.6	8.9	18.5		
10,0°	208.0	203.6	214.6	211.6	221.4	226.4	236.4	243.4	247.2	244.4	244.2	11.5	30.0		
12,5°	218.2	195.3	193.7	187.1	184.6	196.0	205.9	219.7	225.4	218.2	213.5	14.1	44.1		
15,0°	166.3	170.8	173.1	167.4	162.8	165.5	171.9	177.6	181.0	175.5	166.4	16.1	60.1		
17,5°	130.1	136.5	137.8	132.1	125.5	138.0	139.5	135.7	127.4	120.4	120.2	17.5	77.7		
20,0°	114.5	118.5	123.8	109.8	99.2	92.5	86.4	86.1	92.5	95.5	92.9	18.6	96.3		
22,5°	98.6	102.2	108.4	91.0	83.2	76.0	72.0	70.3	67.1	66.0	76.2	19.6	115.9		
25,0°	87.4	91.2	91.0	81.9	76.8	71.9	69.4	60.9	53.1	51.6	51.9	21.4	137.2		
27,5°	79.8	70.7	64.8	63.9	60.3	61.2	59.7	49.3	45.7	42.8	41.3	23.6	160.9		
30,0°	77.3	69.6	63.7	58.4	53.7	49.7	44.9	43.8	40.4	37.9	36.4	26.5	187.4		
32,5°	73.4	67.5	62.2	54.8	46.3	41.1	38.3	36.0	34.9	33.0	31.5	30.2	217.6		
35,0°	75.1	67.7	62.2	50.4	43.0	37.5	33.4	31.8	30.1	29.4	28.8	34.3	251.9		
37,5°	76.4	67.1	59.0	49.3	42.7	37.2	31.5	29.4	28.2	28.4	28.1	38.0	289.8		
40,0°	77.2	68.6	56.7	49.5	40.2	32.4	30.3	29.0	28.6	28.1	28.1	41.7	331.6		
42,5°	79.4	66.0	57.6	47.2	39.6	33.2	29.0	29.0	28.4	28.4	29.2	44.5	376.1		
45,0°	83.4	69.8	52.1	43.4	37.9	33.7	29.4	28.2	28.4	28.4	28.8	48.1	424.2		
47,5°	81.1	61.8	48.2	40.0	35.6	32.8	29.4	28.2	28.4	28.2	28.8	50.5	474.7		
50,0°	63.9	54.0	44.9	36.0	33.4	30.7	30.1	28.4	28.1	28.4	29.2	52.2	526.8		
52,5°	56.1	48.5	38.3	32.0	29.8	30.3	29.4	28.6	28.1	29.4	28.8	52.9	579.7		
55,0°	48.3	41.3	32.8	29.0	27.1	27.1	27.9	27.3	27.9	28.2	28.4	54.3	634.0		
57,5°	40.2	33.0	27.3	24.5	25.0	25.8	26.4	26.7	27.9	27.7	28.4	53.7	687.7		
60,0°	35.6	25.6	20.3	19.7	20.7	22.6	24.3	25.8	26.0	26.7	28.1	50.9	738.6		
62,5°	29.4	21.2	15.5	14.8	17.3	19.3	22.0	22.7	23.5	24.5	25.8	48.0	786.6		
65,0°	22.9	17.3	13.6	12.7	14.2	16.9	19.7	19.9	21.2	22.6	22.0	44.5	831.0		
67,5°	20.5	15.5	12.5	11.2	11.9	13.6	15.2	15.5	16.3	15.9	15.5	41.4	872.4		
70,0°	19.0	14.2	11.6	10.4	9.9	10.4	10.4	11.0	11.2	10.2	9.9	37.7	910.1		
72,5°	16.9	12.7	9.9	8.7	8.0	8.0	7.6	7.2	7.0	4.2	3.8	33.7	943.8		
75,0°	14.4	11.6	8.7	7.0	6.4	5.7	5.3	4.6	3.4	0.9	0.8	26.9	970.8		
77,5°	11.6	8.5	6.8	5.7	4.7	4.4	3.4	4.0	1.9	0.8	0.4	16.9	987.6		
80,0°	13.1	7.2	4.9	4.2	3.4	2.8	2.7	2.8	1.3	0.4	0.4	7.8	995.4		
82,5°	6.6	4.9	3.8	3.0	2.7	1.9	1.5	1.5	0.8	0.4	0.4	2.8	998.2		
85,0°	3.2	2.7	1.9	1.7	1.5	1.1	0.9	0.8	0.4	0.4	0.4	1.2	999.4		
87,5°	1.7	1.5	1.3	0.9	0.9	0.8	0.8	0.4	0.4	0.4	0.4	0.7	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		
100,0°	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		
110,0°	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		
120,0°	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		
130,0°	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		
140,0°	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		
150,0°	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		
160,0°	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		
170,0°	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		
180,0°	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: 5XC1AC1Y08DE EAN: 4069025078636	LP number 58065_240
Dimming levels table		environmental temperature: 25°C
		siteco

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]start of lifetime	Power consumption [W]end of lifetime	Power consumption [W]average
100	254	254	3620	27.1	27.6	27.4
95	241	252	3435	25.6	26.1	25.8
90	229	250	3264	24.1	24.6	24.4
85	216	248	3078	22.6	23.2	22.9
80	203	246	2893	21.2	21.6	21.4
75	190	243	2708	19.8	20.2	20.0
70	178	241	2537	18.5	18.9	18.7
65	165	238	2352	17.2	17.5	17.4
60	152	235	2166	15.9	16.2	16.0
55	140	232	1995	14.6	15.0	14.8
50	127	229	1810	13.3	13.6	13.4
45	114	225	1625	11.9	12.2	12.0
40	102	221	1454	10.7	10.9	10.8
35	89	216	1268	9.4	9.6	9.5
30	76	210	1083	8.2	8.3	8.2
25	63	203	898	6.9	7.0	7.0
20	51	195	727	5.7	5.8	5.8
15	38	184	542	4.6	4.7	4.6
10	25	169	356	3.5	3.6	3.6
9	22	164	314	3.3	3.3	3.3