

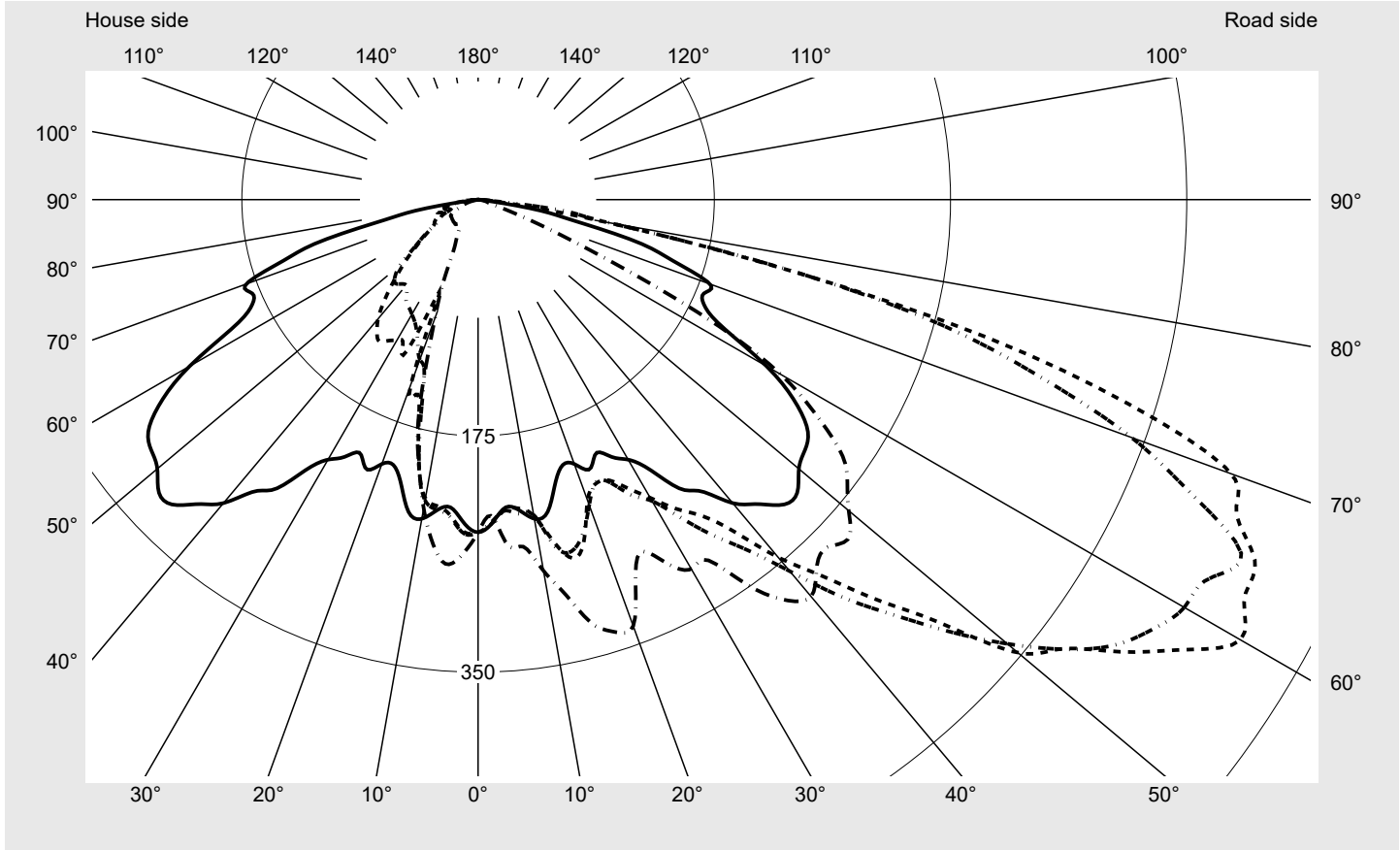
Photometric test report

Family Streetlight 11 mini LED	Order number: 5XC2A21F08GE EAN: 4058352557754	LP number 58293_351
	Version post-top or side-entry mounting Optic asymmetric, wide distribution (ST1.2a) Cover transparent, PMMA Lamps LED 2200 K CRI ≥ 70 Controlgear ECG SITECO iQ Rated values Net luminous flux = 2930 lm Power consumption = 22.7 W Luminous efficacy = 129.1 lm/W	serial documentation 31.07.2023





Luminous intensity in cd/klm C180-0 C205-25 C210-30 C270-90 **Imax: 652 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:	G3
Imax 70°	593.9
Imax 80°	98.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

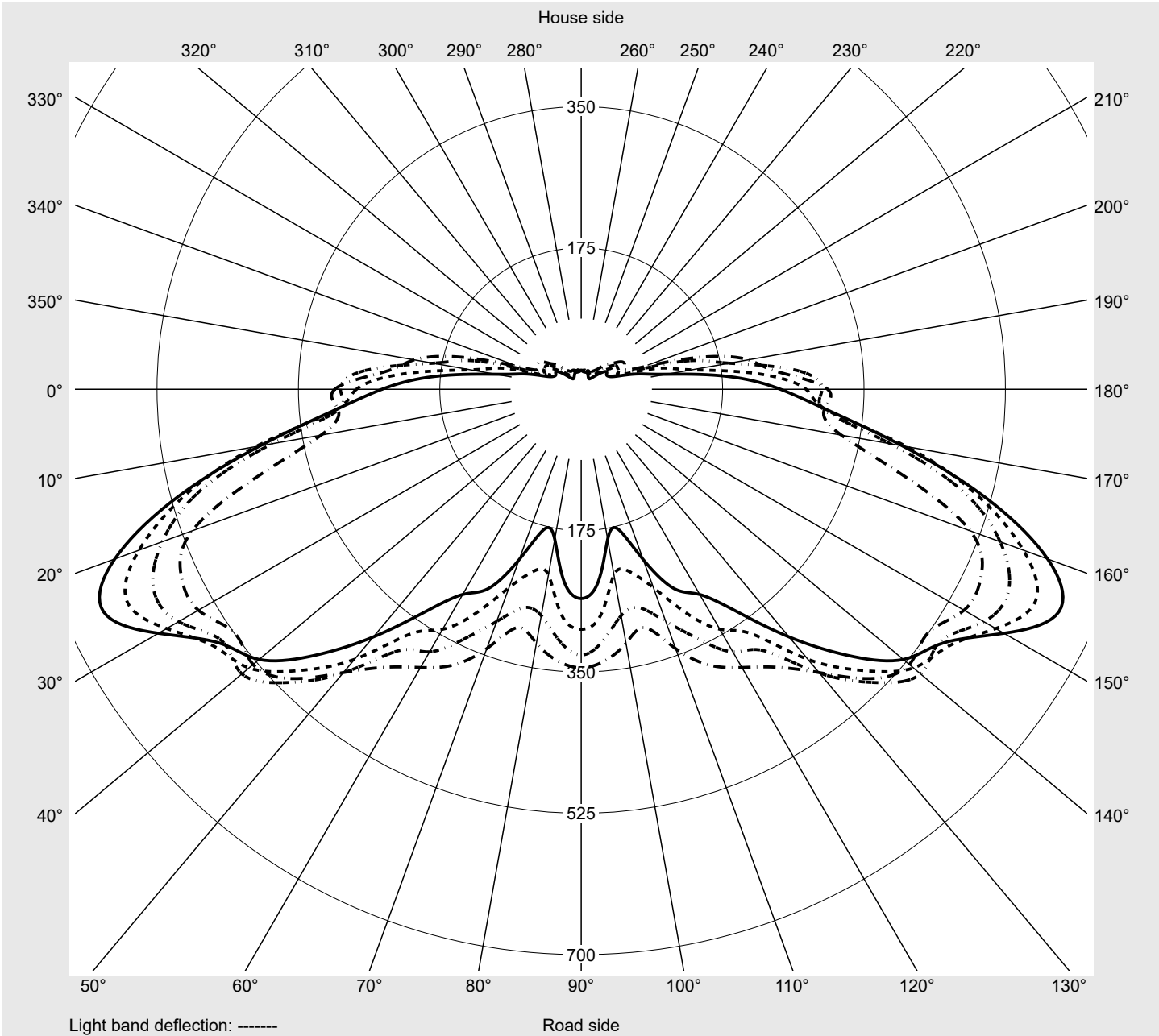
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

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



Photometric test report

Family Streetlight 11 mini LED	Order number: 5XC2A21F08GE EAN: 4058352557754	LP number 58293_351
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°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4
2,5°	239.8	240.0	240.1	239.7	240.0	239.8	238.6	237.2	236.7	236.5	235.6	235.3	234.4
5,0°	229.1	228.4	228.7	229.6	230.3	230.5	231.2	232.4	235.4	238.5	239.7	241.9	242.5
7,5°	231.9	232.6	231.2	229.7	229.3	230.7	234.7	239.7	244.4	248.4	250.9	254.0	255.3
10,0°	240.0	245.5	244.0	240.9	238.8	237.8	236.9	240.2	245.1	251.2	258.7	264.9	272.0
12,5°	237.3	248.6	259.0	262.1	260.8	259.9	262.9	262.2	260.3	267.2	276.2	282.6	282.7
15,0°	219.3	225.4	240.1	256.9	269.9	275.0	269.3	265.6	263.3	261.3	264.6	271.9	281.1
17,5°	206.8	214.9	231.6	247.1	254.2	262.3	258.8	252.0	246.2	242.9	244.5	247.3	257.3
20,0°	208.4	221.3	226.4	230.6	233.9	237.1	240.8	248.5	251.5	245.3	240.1	242.0	254.3
22,5°	216.1	219.3	220.3	223.1	226.9	227.7	227.1	227.7	235.4	240.6	242.8	248.2	253.0
25,0°	207.1	214.4	224.2	232.5	232.6	229.4	231.1	234.6	239.8	243.8	257.3	260.7	268.7
27,5°	215.0	225.1	225.5	231.9	237.3	241.3	246.8	251.6	257.6	266.8	281.0	288.8	303.3
30,0°	222.4	233.4	237.1	242.8	250.8	255.0	257.8	266.5	281.3	295.2	308.3	320.8	334.8
32,5°	237.4	244.8	245.8	249.4	262.0	271.1	279.1	290.5	312.4	328.5	340.2	345.4	356.7
35,0°	261.6	267.3	267.7	267.3	274.5	285.1	303.6	321.6	334.8	353.0	362.6	378.3	388.1
37,5°	272.5	277.6	279.9	285.7	293.6	308.5	326.9	345.0	359.7	372.7	387.7	420.5	413.3
40,0°	293.4	297.1	299.4	309.9	319.5	345.9	359.3	367.5	382.1	408.4	414.9	433.9	441.4
42,5°	305.8	310.7	318.2	336.2	353.8	378.6	399.4	400.4	400.5	427.8	436.5	449.4	450.6
45,0°	319.6	313.1	321.5	373.8	392.3	420.0	434.8	431.2	434.8	457.0	452.4	447.1	446.6
47,5°	320.8	309.8	325.1	385.4	419.7	463.8	473.6	464.3	469.8	469.4	456.5	443.9	445.2
50,0°	310.2	307.2	315.4	392.2	452.4	522.3	511.8	491.4	505.3	487.1	454.1	435.2	423.2
52,5°	305.1	301.6	326.9	413.0	512.4	546.3	547.1	524.7	530.1	506.6	457.9	420.1	397.8
55,0°	298.1	302.5	388.7	489.5	551.8	584.1	575.4	542.9	548.3	513.5	458.7	395.3	375.4
57,5°	278.3	306.9	409.1	507.8	582.3	620.5	592.4	554.8	536.8	492.4	436.5	370.2	343.0
60,0°	246.7	308.6	403.8	518.1	614.4	652.2	604.1	547.4	520.4	465.8	400.3	336.1	293.3
62,5°	203.8	309.3	401.4	514.5	592.8	640.0	609.1	568.3	505.6	448.4	370.3	308.4	244.7
65,0°	184.8	305.8	399.8	491.5	545.4	635.2	624.2	536.2	477.4	421.4	336.1	290.3	208.4
67,5°	181.2	300.3	385.2	455.9	537.1	608.0	573.8	499.7	429.1	379.6	303.5	252.0	174.7
70,0°	182.8	298.3	348.6	421.3	536.1	593.9	515.4	439.2	393.7	335.0	261.7	204.6	153.3
72,5°	152.3	295.2	340.0	415.6	464.5	507.8	436.8	365.4	336.0	281.8	215.0	165.1	137.1
75,0°	123.4	244.9	296.2	319.8	343.4	381.6	351.0	272.8	224.7	206.6	172.7	145.5	127.0
77,5°	74.5	181.8	192.1	227.4	191.9	217.5	221.5	172.7	139.2	141.8	115.3	105.6	88.0
80,0°	47.1	60.2	72.3	86.8	96.2	97.8	98.2	98.9	96.2	95.3	52.2	40.0	30.9
82,5°	9.3	12.5	13.4	18.9	18.9	29.8	65.1	93.0	67.0	41.5	23.5	16.6	10.9
85,0°	3.5	3.3	3.7	4.4	5.5	7.4	9.6	16.6	11.6	10.1	9.4	7.2	6.3
87,5°	2.3	2.4	2.6	2.9	3.1	3.3	3.6	4.1	4.4	4.0	3.8	3.7	3.5
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
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

Photometric test report

Family Streetlight 11 mini LED	Order number: 5XC2A21F08GE EAN: 4058352557754	LP number 58293_351
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°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4
2,5°	234.1	233.5	232.9	233.4	234.2	235.0	241.0	242.5	243.2	244.5	246.1	247.4	248.1
5,0°	244.3	246.1	247.2	250.8	255.4	257.5	231.6	232.2	232.8	232.6	234.9	236.2	234.4
7,5°	259.1	260.3	263.4	262.6	260.8	259.4	230.1	229.9	228.3	227.7	229.0	231.6	231.0
10,0°	272.7	271.8	271.6	272.6	275.4	279.2	233.5	228.8	225.7	223.4	224.7	226.2	223.3
12,5°	285.6	286.2	290.0	295.9	298.0	299.6	227.2	221.3	214.0	207.4	202.7	202.1	203.7
15,0°	282.9	288.2	301.7	314.1	320.8	324.6	210.7	201.6	193.5	182.8	169.7	162.8	156.0
17,5°	275.5	290.1	300.8	317.3	329.9	335.7	199.0	192.5	185.9	171.1	151.0	132.5	124.4
20,0°	266.9	281.0	296.7	311.8	330.4	336.1	198.2	187.6	172.6	163.2	145.4	126.2	113.8
22,5°	264.4	276.4	296.7	308.8	307.9	304.8	194.5	174.3	162.8	143.5	74.0	116.6	98.7
25,0°	273.7	286.6	295.4	294.2	295.9	287.6	195.6	169.8	156.1	135.8	121.1	107.6	89.5
27,5°	302.2	308.3	307.5	302.6	297.9	304.0	195.8	178.3	162.7	136.6	120.6	101.8	83.5
30,0°	338.0	331.1	312.4	313.6	311.7	315.9	207.9	188.4	165.9	142.2	120.1	98.1	77.8
32,5°	351.6	334.4	325.1	337.0	328.7	316.6	224.1	203.2	170.7	147.0	123.9	95.1	73.8
35,0°	381.8	364.5	359.3	364.4	357.6	348.7	254.1	231.6	188.3	154.7	127.9	92.7	72.5
37,5°	400.8	388.8	368.5	359.8	364.8	373.8	263.8	240.0	192.1	161.1	123.0	86.7	73.2
40,0°	426.7	407.3	369.0	349.1	366.6	383.8	284.2	250.4	192.1	160.5	115.3	82.8	76.0
42,5°	445.4	405.8	374.1	350.6	367.9	371.2	294.9	249.1	189.9	153.0	103.8	84.7	76.8
45,0°	454.6	404.8	367.5	355.3	367.9	364.9	304.7	253.4	189.5	145.6	91.7	87.2	83.4
47,5°	444.2	397.0	350.0	356.6	373.5	371.9	285.3	245.8	183.2	123.3	79.8	83.2	80.6
50,0°	415.6	363.0	328.5	334.1	367.2	358.4	246.0	208.6	170.2	99.8	69.6	75.4	71.6
52,5°	377.0	341.7	305.5	319.2	337.4	344.8	245.2	210.0	153.6	79.9	59.0	62.0	59.4
55,0°	340.5	305.9	280.1	284.6	312.2	329.0	268.2	186.1	136.3	60.7	50.5	52.1	51.7
57,5°	304.7	261.3	234.1	233.3	280.3	297.2	220.2	138.9	101.2	52.2	43.1	44.3	44.4
60,0°	272.4	224.3	180.1	188.5	239.8	259.0	182.4	107.2	73.6	47.7	37.8	36.3	38.0
62,5°	220.8	167.7	135.7	140.5	177.7	194.5	144.0	86.7	60.7	46.5	36.4	32.0	31.7
65,0°	173.8	118.9	93.3	100.8	117.9	110.3	115.5	69.8	50.4	41.5	34.4	30.3	28.6
67,5°	127.0	81.4	58.3	50.3	53.2	55.8	112.4	66.9	43.1	33.6	31.4	26.8	22.4
70,0°	110.0	67.0	36.1	23.4	24.0	23.7	111.5	64.4	43.1	30.9	28.2	21.7	19.7
72,5°	95.0	38.0	20.3	11.1	10.3	9.3	90.0	56.0	44.0	38.4	31.8	23.7	19.8
75,0°	83.9	21.9	12.7	8.3	7.2	7.1	63.0	53.1	47.7	34.4	29.9	25.7	18.1
77,5°	31.9	15.2	9.0	6.5	5.7	5.5	54.2	48.4	47.2	30.9	25.1	22.1	16.2
80,0°	14.1	9.7	6.4	5.0	4.4	4.2	36.4	35.4	29.8	22.2	19.6	18.2	16.2
82,5°	9.0	6.6	4.7	3.7	3.2	3.1	9.7	11.3	14.2	14.6	15.4	11.1	10.4
85,0°	5.2	3.9	2.9	2.3	1.9	1.7	3.1	3.1	3.2	3.3	3.4	3.5	3.5
87,5°	3.0	2.2	1.5	1.2	1.0	1.0	2.2	2.0	2.0	2.0	1.9	1.9	1.7
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

Photometric test report

Family Streetlight 11 mini LED	Order number: 5XC2A21F08GE EAN: 4058352557754	LP number 58293_351
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°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	0.4	0.4
2,5°	249.5	252.2	254.7	257.5	259.7	261.3	261.3	261.3	262.1	262.4	262.8	2.9	3.3
5,0°	231.6	233.6	237.0	241.2	245.2	249.9	256.6	263.5	269.0	271.4	271.0	5.8	9.1
7,5°	225.8	225.3	227.9	229.8	234.2	239.7	243.5	246.5	250.9	255.1	256.9	8.6	17.7
10,0°	214.9	206.6	211.0	211.6	215.6	218.1	225.4	229.7	234.1	233.6	232.1	11.4	29.1
12,5°	205.5	194.6	195.1	193.5	195.4	200.0	205.8	215.1	216.6	206.7	202.2	14.2	43.3
15,0°	155.4	160.1	160.7	158.6	157.5	160.9	168.0	169.1	179.2	173.9	171.9	15.8	59.1
17,5°	121.8	123.5	125.8	124.8	119.6	125.9	127.1	123.3	124.5	126.5	127.6	16.7	75.9
20,0°	106.9	108.0	108.3	102.2	91.8	85.2	85.0	83.3	89.9	94.2	93.3	17.8	93.7
22,5°	90.5	90.6	95.5	88.8	77.0	70.1	67.6	63.8	62.9	62.6	70.1	18.6	112.3
25,0°	76.4	77.8	84.5	74.0	71.7	64.2	62.0	54.8	48.0	44.9	46.3	20.3	132.7
27,5°	68.7	60.3	56.3	57.6	57.9	53.0	52.5	44.8	39.0	37.0	36.1	22.7	155.4
30,0°	65.1	58.5	54.4	51.3	46.7	43.1	39.1	38.0	34.6	31.9	30.8	25.7	181.1
32,5°	63.3	57.4	53.7	46.9	39.3	34.9	32.3	30.9	29.7	28.1	26.3	28.9	210.0
35,0°	65.2	58.8	52.1	43.5	36.9	31.4	28.3	26.5	25.1	24.5	24.1	33.2	243.2
37,5°	66.6	58.3	50.3	42.4	36.2	31.2	26.4	24.9	23.6	24.2	23.4	36.8	280.0
40,0°	70.0	59.1	50.2	41.5	33.5	27.6	25.6	24.3	24.1	24.1	23.4	40.8	320.8
42,5°	71.2	59.5	50.3	40.5	32.6	27.3	24.6	24.4	24.3	23.8	24.8	44.5	365.3
45,0°	74.6	61.9	46.1	36.6	31.9	28.1	24.6	24.3	24.1	24.3	24.5	48.0	413.3
47,5°	70.1	55.1	41.9	34.0	30.1	27.6	24.8	24.2	24.2	24.2	24.6	50.6	463.9
50,0°	58.1	48.8	38.8	31.0	29.0	26.4	25.4	24.3	24.2	24.2	24.2	51.8	515.7
52,5°	49.6	43.2	33.6	28.2	25.7	25.8	25.3	24.1	24.3	24.7	24.1	53.3	569.0
55,0°	43.5	36.5	28.4	24.7	23.3	23.8	24.6	23.5	24.2	23.6	23.7	54.9	623.9
57,5°	36.2	29.1	22.9	20.4	21.4	22.1	23.1	22.7	22.9	23.1	23.6	53.9	677.8
60,0°	31.5	22.4	17.1	16.3	17.5	19.6	21.7	21.9	21.8	22.3	23.3	52.0	729.9
62,5°	25.2	17.7	13.2	12.8	14.7	17.2	19.3	19.4	19.7	20.4	20.9	49.2	779.1
65,0°	20.3	14.6	11.5	10.5	12.0	14.7	17.0	16.9	17.5	17.0	17.7	45.9	824.9
67,5°	18.1	13.7	10.7	9.4	10.0	11.5	13.5	14.1	14.8	13.6	14.4	41.9	866.8
70,0°	16.3	12.0	9.9	8.5	8.3	9.3	10.5	11.2	11.9	11.7	11.8	38.6	905.4
72,5°	14.7	10.9	8.3	7.1	6.8	7.7	8.1	8.4	9.0	9.3	9.3	34.1	939.5
75,0°	12.7	10.3	7.2	6.0	5.6	5.9	6.2	6.5	6.5	6.5	6.7	27.2	966.6
77,5°	10.4	7.6	5.8	5.1	4.5	4.1	4.4	4.6	3.7	3.2	3.1	18.1	984.8
80,0°	10.8	6.1	4.2	3.9	3.3	3.0	2.8	2.9	2.0	1.0	0.6	9.2	994.0
82,5°	7.4	4.7	3.4	2.9	2.5	2.2	1.9	1.9	1.1	0.6	0.4	4.3	998.3
85,0°	3.4	2.6	2.3	1.9	1.8	1.4	1.0	0.9	0.7	0.4	0.4	1.2	999.4
87,5°	1.6	1.5	1.2	1.2	1.0	0.9	0.7	0.6	0.5	0.4	0.4	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
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 mini LED	Order number: 5XC2A21F08GE EAN: 4058352557754	LP number 58293_351
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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	2930	22.7	23.4	23.0
95	241	252	2780	21.6	22.2	21.9
90	229	250	2642	20.5	21.0	20.8
85	216	248	2492	19.3	19.9	19.6
80	203	246	2342	18.2	18.7	18.4
75	190	243	2192	17.0	17.5	17.2
70	178	241	2053	15.9	16.4	16.2
65	165	238	1903	14.8	15.2	15.0
60	152	235	1753	13.7	14.0	13.8
55	140	232	1615	12.7	13.0	12.8
50	127	229	1465	11.5	11.8	11.6
45	114	225	1315	10.5	10.7	10.6
40	102	221	1177	9.5	9.8	9.6
35	89	216	1027	8.4	8.6	8.5
30	76	210	877	7.4	7.5	7.4
25	63	203	727	6.3	6.5	6.4
20	51	195	588	5.4	5.5	5.4
18	45	191	519	4.9	5.0	5.0