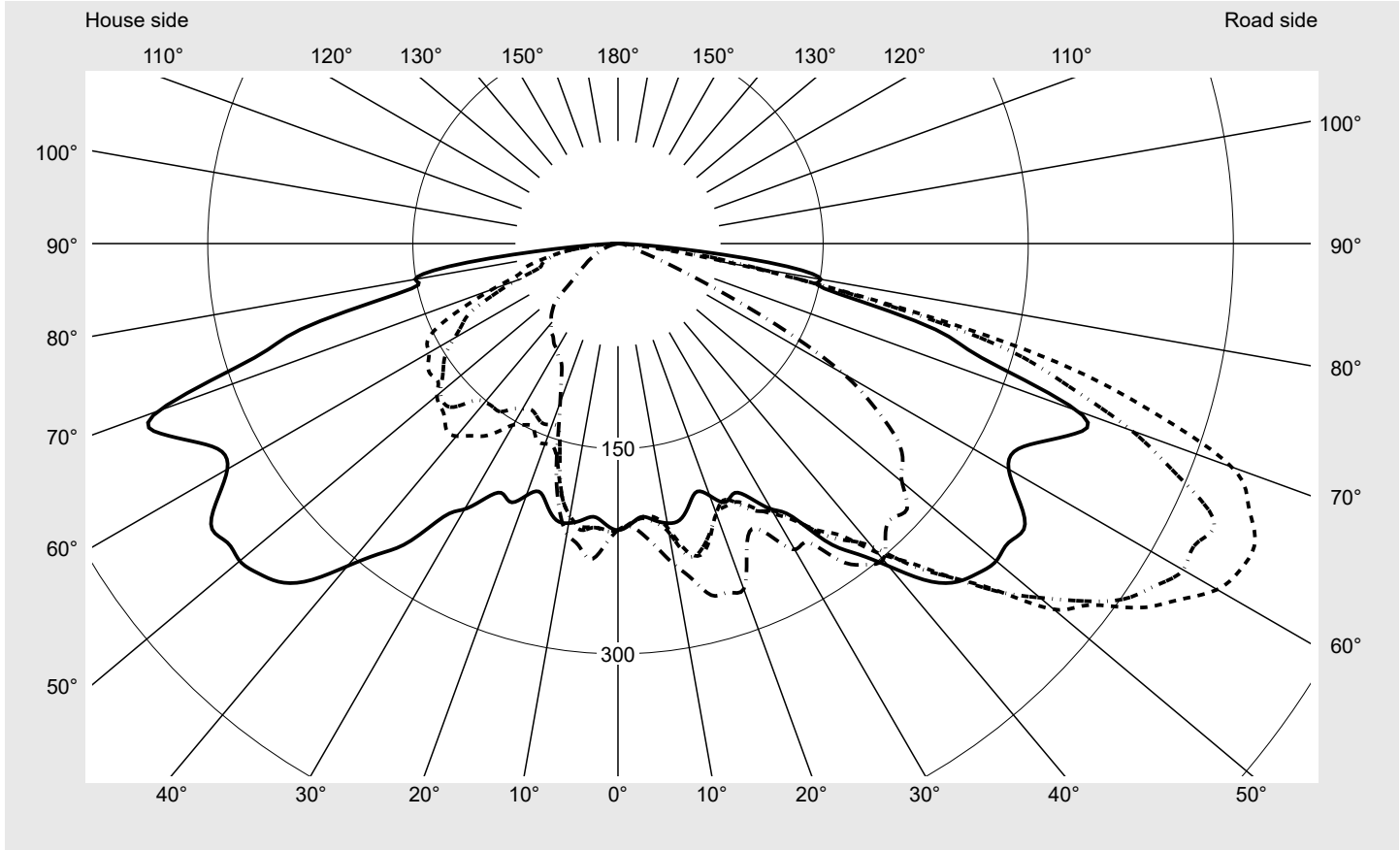


Photometric test report

Family Streetlight 11 mini LED	Order number: 5XC2G41F08GE EAN: 4058352558232	LP number 58294_408
	Version post-top or side-entry mounting Optic asymmetric, wide distribution with additional light component for rear paths (ST1.2P1.0) Cover transparent, PMMA Lamps LED 4000 K CRI ≥ 70 Controlgear ECG SITECO iQ Rated values Net luminous flux = 3620 lm Power consumption = 22.2 W Luminous efficacy = 163.1 lm/W	serial documentation 17.06.2024

siteco

Luminous intensity in cd/klm C180-0 C205-25 C210-30 C270-90 **Imax: 514 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°	477.9
Imax 80°	150.6
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

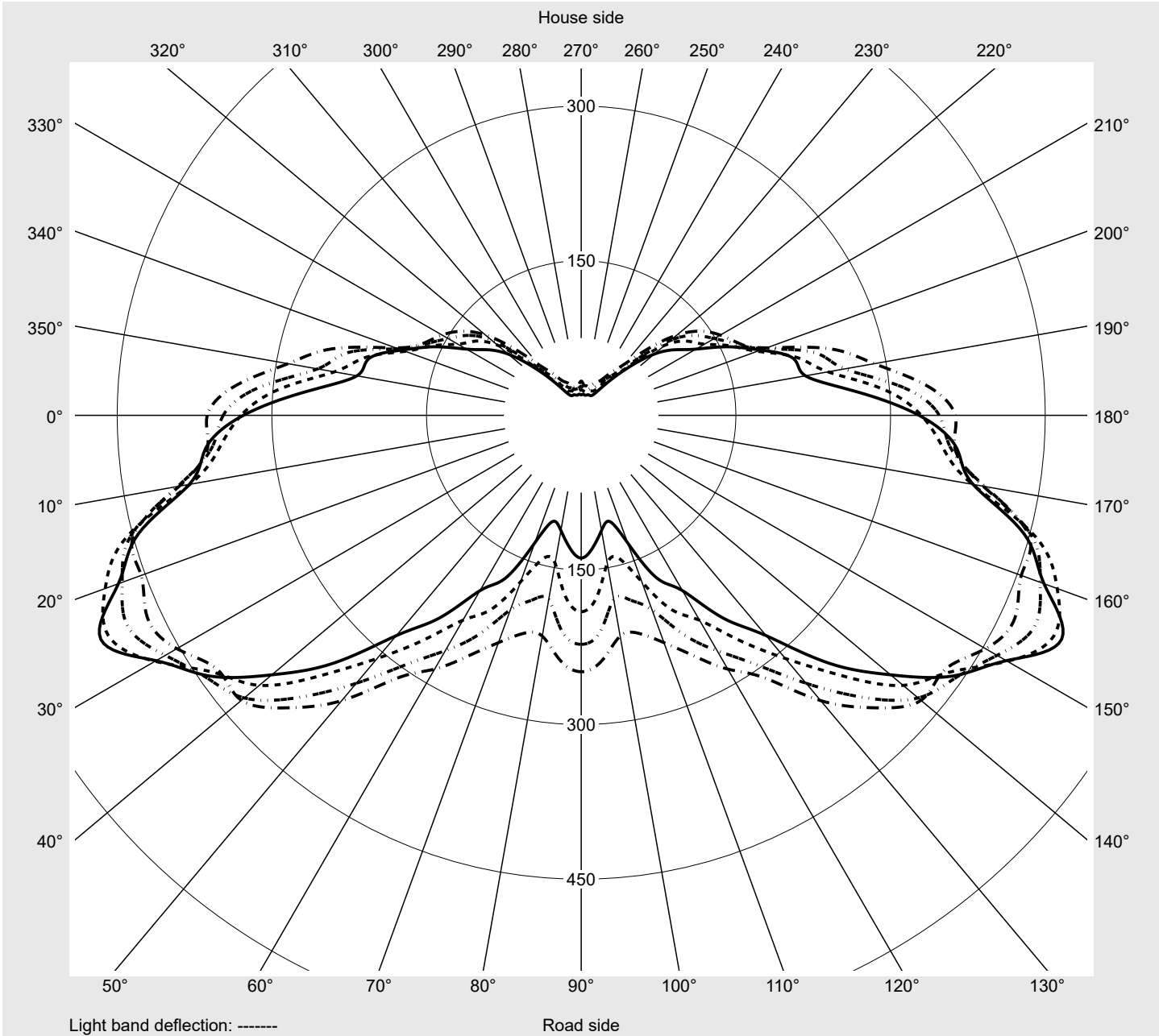
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Streetlight 11 mini LED	Order number: 5XC2G41F08GE EAN: 4058352558232	LP number 58294_408
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Envelope curve in cd/klm **KMK 62.5°** **KMK 60°** **KMK 57.5°** **KMK 55°** **siteco**



Photometric test report

Family Streetlight 11 mini LED	Order number: 5XC2G41F08GE EAN: 4058352558232	LP number 58294_408
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°	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6
2,5°	205.6	205.7	205.1	204.9	205.0	204.7	205.4	206.0	205.3	204.4	203.8	203.2	203.2
5,0°	200.6	200.0	200.2	201.0	201.0	200.8	201.6	203.7	204.4	207.0	208.6	208.8	209.5
7,5°	204.1	204.0	201.6	200.1	200.5	201.7	205.6	211.5	213.9	215.7	216.6	218.7	220.9
10,0°	207.6	209.2	209.7	209.8	209.4	211.5	214.5	217.2	219.6	222.1	226.6	230.1	232.8
12,5°	207.3	213.8	219.7	222.4	226.4	229.8	233.4	232.9	229.9	232.2	233.3	236.0	235.0
15,0°	199.0	200.3	211.5	229.6	237.5	235.5	232.7	228.6	224.1	226.5	229.3	229.9	235.7
17,5°	190.4	197.3	210.2	222.7	225.6	224.7	222.5	217.1	223.5	219.7	214.6	212.5	217.6
20,0°	196.1	203.0	207.3	214.6	213.8	210.1	210.1	216.7	224.8	216.2	208.8	208.6	214.3
22,5°	204.7	210.2	206.9	215.4	212.0	207.6	202.9	210.8	212.9	212.7	211.4	211.9	212.6
25,0°	201.2	207.7	211.1	218.3	214.4	208.4	210.5	217.3	217.4	220.3	221.0	220.3	222.0
27,5°	210.0	215.2	216.1	218.3	219.0	218.7	220.5	224.0	230.0	232.2	238.2	239.3	248.8
30,0°	224.2	230.6	232.5	231.7	231.8	228.4	225.6	229.7	241.6	250.9	258.1	265.1	275.3
32,5°	236.4	239.9	242.1	243.2	242.8	240.1	238.5	242.0	259.4	270.0	276.8	284.1	289.7
35,0°	266.1	266.9	261.8	256.5	252.6	256.3	258.8	263.1	271.7	283.6	290.8	306.4	310.7
37,5°	285.6	282.4	281.9	272.6	261.9	269.5	273.5	280.9	289.8	295.2	309.0	335.0	331.2
40,0°	307.8	307.6	298.3	291.3	284.3	295.0	289.2	296.4	304.1	319.2	325.8	343.3	347.7
42,5°	334.2	326.4	325.3	318.4	314.5	316.6	320.2	318.3	317.8	333.8	340.8	351.7	353.4
45,0°	349.9	346.2	344.7	343.7	341.8	345.2	345.6	339.4	342.9	358.9	350.5	347.1	349.5
47,5°	356.8	353.9	367.5	388.9	362.0	375.2	376.5	367.6	369.2	367.0	359.1	339.7	345.5
50,0°	361.1	368.7	382.5	428.7	381.0	416.2	402.8	390.6	393.2	377.3	353.6	334.3	323.6
52,5°	359.6	357.8	391.5	430.5	422.3	434.1	429.4	415.4	416.5	391.3	357.8	320.9	299.8
55,0°	362.7	363.8	395.8	449.4	454.2	464.3	452.8	430.3	430.2	401.3	361.3	311.3	284.3
57,5°	347.2	359.5	397.5	452.4	473.7	485.1	465.8	443.6	426.6	387.0	339.4	294.9	263.7
60,0°	329.9	351.7	385.3	456.5	491.3	506.0	477.3	434.9	407.6	357.1	307.9	266.0	229.6
62,5°	327.7	365.6	386.0	444.8	477.7	514.1	476.0	440.8	391.7	340.2	279.0	240.2	196.4
65,0°	342.5	392.5	389.2	425.5	456.9	514.1	481.3	416.2	364.1	317.6	257.1	222.8	161.8
67,5°	362.5	436.1	382.5	401.8	447.8	498.9	442.9	393.8	331.6	288.5	228.0	195.2	143.3
70,0°	357.4	420.3	359.9	368.3	453.9	477.9	399.8	347.8	309.6	257.3	197.9	158.9	124.3
72,5°	280.3	372.1	312.1	330.4	401.3	410.8	344.5	287.0	267.7	217.5	167.3	129.5	110.8
75,0°	237.1	318.5	240.6	282.1	301.1	327.3	288.7	220.4	187.0	164.0	134.5	116.5	98.1
77,5°	158.0	221.9	166.9	207.0	172.4	196.4	186.9	147.0	122.7	116.0	90.3	82.7	70.0
80,0°	150.6	123.0	102.1	123.8	86.4	93.9	102.8	105.1	85.9	78.7	44.1	38.5	30.3
82,5°	120.2	63.8	40.9	40.4	26.6	34.2	53.9	70.5	52.4	35.3	21.3	16.9	11.9
85,0°	49.4	23.6	13.4	9.2	7.5	9.3	11.5	16.7	14.6	10.6	10.4	8.0	6.3
87,5°	11.8	8.1	5.5	4.8	4.2	4.6	4.8	5.1	5.3	4.8	4.2	4.0	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: 5XC2G41F08GE EAN: 4058352558232	LP number 58294_408
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°	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6
2,5°	203.1	203.0	204.6	205.3	206.0	206.9	205.5	206.6	207.7	208.7	209.5	210.3	210.8
5,0°	209.5	210.0	210.5	212.3	214.2	213.9	201.5	202.7	202.5	204.3	208.1	208.4	207.5
7,5°	222.3	225.1	226.3	226.7	226.6	225.1	204.0	203.4	204.4	205.7	208.7	211.2	210.9
10,0°	232.0	231.2	232.4	233.6	235.5	238.6	202.7	201.4	201.3	202.7	202.3	202.6	205.2
12,5°	238.9	241.7	245.2	248.7	252.4	251.4	199.3	198.0	192.9	190.6	189.2	189.1	189.2
15,0°	236.9	243.3	249.4	258.1	262.3	266.4	194.4	191.9	184.6	178.8	169.3	164.2	160.6
17,5°	229.2	238.9	247.9	257.1	263.7	267.5	189.4	185.9	180.3	171.1	156.3	143.4	139.0
20,0°	221.0	231.2	243.0	255.2	265.6	268.8	191.0	182.0	174.2	167.5	155.8	140.7	134.8
22,5°	221.6	232.4	245.3	250.3	249.5	245.8	191.4	178.6	167.4	160.1	155.3	142.5	129.7
25,0°	228.0	237.5	241.9	238.9	237.8	230.6	192.1	174.4	168.7	155.9	147.8	139.9	126.5
27,5°	249.4	250.2	249.0	248.4	241.2	240.7	196.6	184.1	170.0	160.9	149.5	137.1	126.3
30,0°	274.3	269.2	254.3	256.1	254.8	258.3	216.4	204.4	186.6	170.7	153.1	139.5	127.1
32,5°	284.4	271.3	265.0	270.9	265.3	259.0	230.9	220.2	200.6	179.6	162.9	143.3	130.1
35,0°	305.2	293.7	290.6	292.2	285.6	283.0	265.8	250.6	220.5	193.1	171.9	150.0	132.3
37,5°	319.7	309.7	294.0	286.7	287.8	296.0	285.3	272.2	235.5	205.4	177.1	150.4	133.1
40,0°	337.7	321.9	291.1	275.9	284.7	301.7	313.3	292.7	247.2	217.3	183.8	151.3	139.1
42,5°	348.9	316.1	291.3	275.9	286.3	289.4	326.8	308.0	255.6	226.7	185.4	155.6	143.3
45,0°	352.6	315.7	285.9	274.4	284.0	283.7	347.3	328.5	269.4	236.2	179.4	168.9	149.4
47,5°	346.6	306.7	270.7	272.1	287.2	286.8	361.2	325.8	276.9	229.4	176.2	172.7	157.7
50,0°	323.6	284.0	254.7	255.4	280.5	271.1	358.8	318.5	269.0	216.6	172.8	169.4	157.1
52,5°	288.6	264.3	237.6	247.2	255.4	262.4	346.6	305.4	258.6	200.4	165.8	161.9	149.4
55,0°	257.2	234.7	219.2	217.5	238.2	248.8	335.7	288.7	249.7	191.5	167.0	155.8	142.3
57,5°	234.4	200.7	185.7	181.4	210.8	222.2	313.1	259.6	234.8	188.7	164.8	149.0	135.2
60,0°	208.2	171.9	144.2	145.7	176.3	190.5	293.5	243.1	216.8	181.7	159.6	138.1	125.5
62,5°	174.5	131.7	106.6	113.4	128.8	138.5	266.9	220.9	213.1	185.2	157.4	128.5	111.0
65,0°	137.2	94.0	76.8	79.0	87.3	81.9	252.2	222.4	206.5	180.2	146.4	119.0	100.4
67,5°	107.2	66.9	52.5	43.4	43.5	43.9	242.0	221.7	206.9	161.7	123.0	99.6	85.2
70,0°	90.4	52.1	32.8	21.8	21.0	21.8	214.0	256.9	208.7	129.3	97.7	80.3	74.0
72,5°	76.2	30.7	18.8	12.2	11.0	10.5	204.4	243.7	153.8	99.0	76.8	61.5	58.7
75,0°	60.2	19.9	12.8	9.5	8.5	8.3	180.0	179.3	126.0	89.8	71.5	57.5	49.9
77,5°	25.1	13.9	9.2	7.5	7.0	6.6	142.6	126.0	117.7	76.6	60.8	52.4	41.5
80,0°	13.4	9.4	6.7	5.7	5.4	5.4	107.1	124.7	99.0	59.9	47.4	45.6	27.2
82,5°	8.6	6.4	4.8	4.1	4.1	4.3	61.7	98.1	69.3	43.9	35.9	33.0	21.7
85,0°	5.2	4.0	3.0	2.6	2.2	2.2	35.4	45.5	27.0	19.3	18.2	15.9	11.8
87,5°	2.9	2.2	1.6	1.3	1.0	1.0	11.6	11.8	8.3	5.6	5.7	5.8	3.8
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: 5XC2G41F08GE EAN: 4058352558232	LP number 58294_408
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°	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	0.3	0.3
2,5°	212.0	213.1	214.4	216.5	219.1	220.0	220.3	220.4	221.1	221.3	220.8	2.5	2.8
5,0°	207.3	208.6	210.0	212.4	215.2	220.1	224.3	228.1	230.5	232.3	231.7	5.0	7.8
7,5°	207.1	207.6	207.9	208.0	210.6	214.3	217.8	219.4	220.6	222.9	222.3	7.6	15.4
10,0°	201.9	197.4	196.1	197.8	200.7	203.1	205.8	209.1	213.9	215.2	215.6	10.1	25.6
12,5°	188.7	186.8	187.2	188.9	189.0	192.0	194.9	202.2	202.9	199.9	198.5	12.7	38.2
15,0°	163.2	166.1	166.8	168.0	167.6	169.0	171.8	175.5	177.6	177.5	174.3	14.5	52.7
17,5°	142.4	145.3	148.6	146.6	142.2	141.3	142.5	140.5	139.6	141.9	145.2	15.7	68.4
20,0°	132.1	133.9	136.1	131.7	126.2	120.3	118.7	117.2	119.3	123.0	123.6	17.1	85.4
22,5°	121.6	123.3	127.5	122.6	117.2	111.3	108.1	104.4	104.1	105.1	108.4	18.6	104.0
25,0°	116.4	116.4	122.3	114.9	111.8	108.8	104.8	99.9	98.0	96.3	97.5	20.4	124.4
27,5°	113.5	110.4	106.0	104.2	104.7	100.3	99.3	95.7	92.3	93.2	93.9	22.8	147.2
30,0°	118.2	110.9	106.7	103.5	94.1	91.0	88.4	87.2	88.7	89.6	89.4	25.8	173.0
32,5°	121.5	114.0	109.5	100.2	88.8	83.6	80.0	80.0	84.3	86.3	87.0	28.8	201.9
35,0°	128.0	116.1	107.5	90.6	81.0	75.6	72.2	73.3	78.1	83.0	82.8	32.7	234.6
37,5°	127.5	116.2	104.9	90.3	73.2	71.2	67.5	68.7	74.1	79.7	80.7	36.1	270.7
40,0°	131.4	114.2	99.6	87.6	68.0	64.4	63.9	66.0	70.0	75.2	75.7	39.6	310.3
42,5°	134.7	114.2	96.0	77.4	69.2	62.4	60.4	61.5	65.2	69.3	72.3	43.1	353.4
45,0°	137.7	114.0	90.2	69.6	65.6	62.2	54.8	55.1	57.7	63.4	67.4	46.5	400.0
47,5°	135.7	108.6	82.1	66.4	62.0	58.8	49.4	45.7	48.7	56.3	60.7	49.4	449.4
50,0°	128.4	106.2	77.5	63.1	56.8	52.0	46.1	38.7	40.5	45.7	47.2	51.3	500.6
52,5°	126.2	101.8	73.6	57.3	47.5	43.0	38.5	34.1	34.3	36.5	39.1	52.3	552.9
55,0°	121.3	90.9	64.3	50.8	40.1	35.5	32.1	28.8	29.1	29.6	33.2	53.2	606.0
57,5°	113.2	77.9	54.8	44.2	35.4	30.0	28.4	26.1	26.1	26.7	28.2	52.6	658.6
60,0°	105.8	72.5	47.5	38.0	29.4	26.0	25.2	23.4	23.3	23.8	24.7	51.0	709.6
62,5°	92.5	67.2	45.6	30.4	23.1	21.1	21.2	20.4	20.0	20.6	19.9	49.0	758.6
65,0°	79.4	59.7	44.2	23.4	17.5	17.2	17.8	16.9	17.4	17.0	16.6	46.9	805.5
67,5°	69.4	52.0	33.4	16.8	12.4	12.9	14.2	13.4	14.0	14.0	13.3	44.2	849.8
70,0°	61.2	45.1	26.0	12.9	9.9	9.5	10.2	10.0	10.9	11.8	11.2	41.0	890.8
72,5°	54.5	37.0	17.5	9.7	7.6	7.4	7.3	7.4	7.9	9.1	8.6	35.2	926.1
75,0°	37.2	22.5	10.7	7.7	6.2	6.0	5.5	5.7	5.5	6.1	6.1	28.7	954.8
77,5°	24.6	13.7	8.0	6.1	4.8	4.3	4.0	3.9	3.0	2.8	2.6	20.1	974.8
80,0°	17.5	8.2	5.8	4.7	3.7	3.1	2.8	2.2	1.3	0.9	0.7	13.3	988.1
82,5°	13.4	6.6	4.4	3.5	2.9	2.2	1.8	1.6	0.9	0.4	0.5	7.7	995.8
85,0°	6.1	3.6	3.0	2.3	2.0	1.6	1.0	0.8	0.6	0.3	0.3	3.1	998.9
87,5°	2.8	2.2	1.6	1.3	1.1	0.9	0.7	0.6	0.4	0.3	0.3	1.1	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
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: 5XC2G41F08GE EAN: 4058352558232	LP number 58294_408
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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	3620	22.2	22.7	22.4
95	241	252	3435	21.0	21.6	21.3
90	229	250	3264	20.0	20.5	20.2
85	216	248	3078	18.9	19.3	19.1
80	203	246	2893	17.7	18.2	18.0
75	190	243	2708	16.7	17.0	16.8
70	178	241	2537	15.6	15.9	15.8
65	165	238	2352	14.5	14.9	14.7
60	152	235	2166	13.4	13.7	13.6
55	140	232	1995	12.4	12.7	12.6
50	127	229	1810	11.3	11.6	11.4
45	114	225	1625	10.3	10.5	10.4
40	102	221	1454	9.3	9.5	9.4
35	89	216	1268	8.2	8.4	8.3
30	76	210	1083	7.2	7.4	7.3
25	63	203	898	6.2	6.3	6.2
20	51	195	727	5.3	5.4	5.4
18	46	191	656	4.9	5.0	5.0