
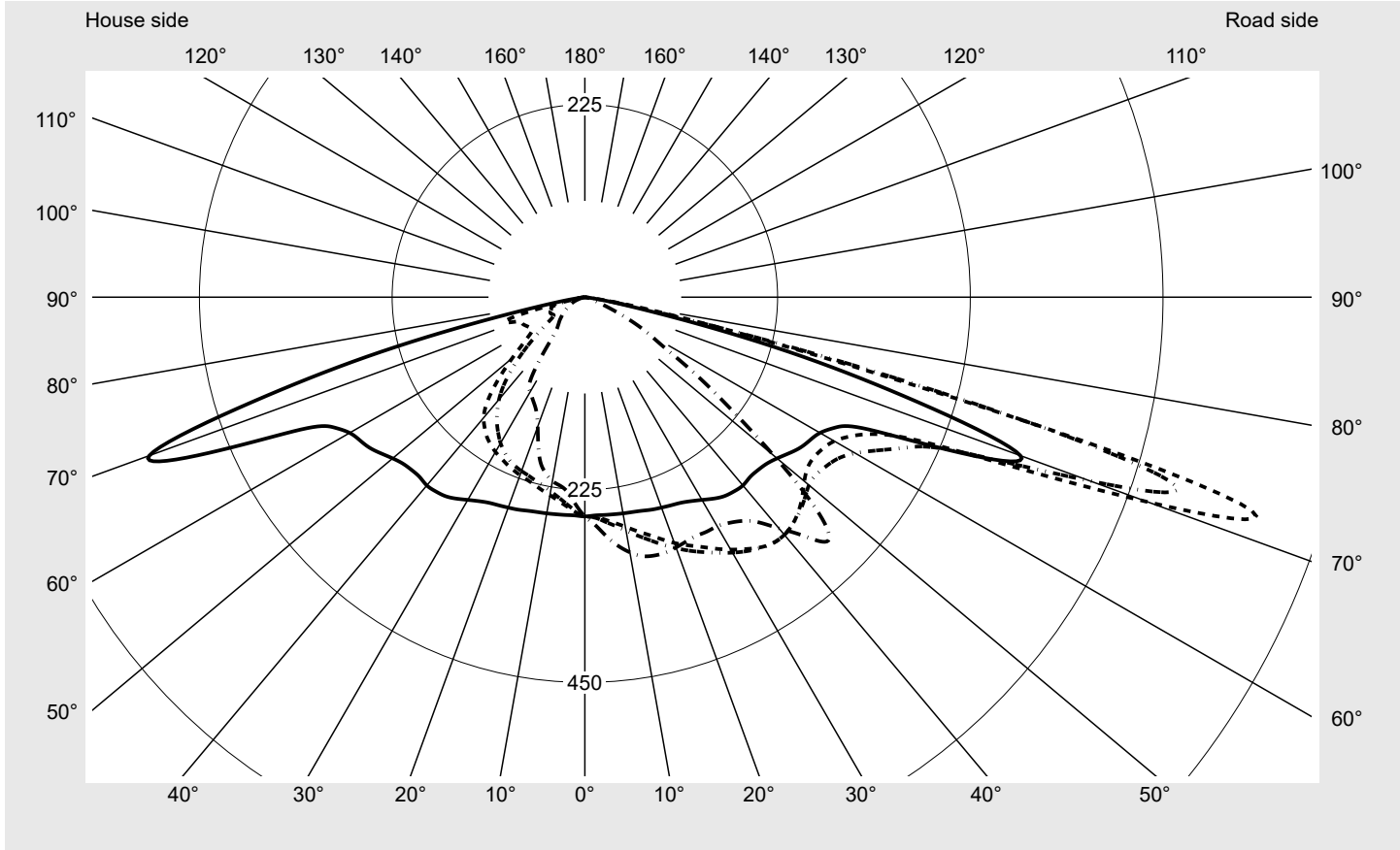


Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2R31G08JB EAN: 4069025149305	LP number 59538_58
	Version post-top or side-entry mounting Optic asymmetric, extremely wide distribution (P0.8a G), Back Light Control (BLC) Cover toughened safety glass Lamps LED 3000 K CRI ≥ 70 Controlgear ECG SITECO iQ Rated values Net luminous flux = 9400 lm Power consumption = 71.6 W Luminous efficacy = 131.3 lm/W	serial documentation 18.01.2024



Luminous intensity in cd/klm C180-0 C200-20 C205-25 C270-90 **Imax: 802 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°	699.8
Imax 80°	48.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

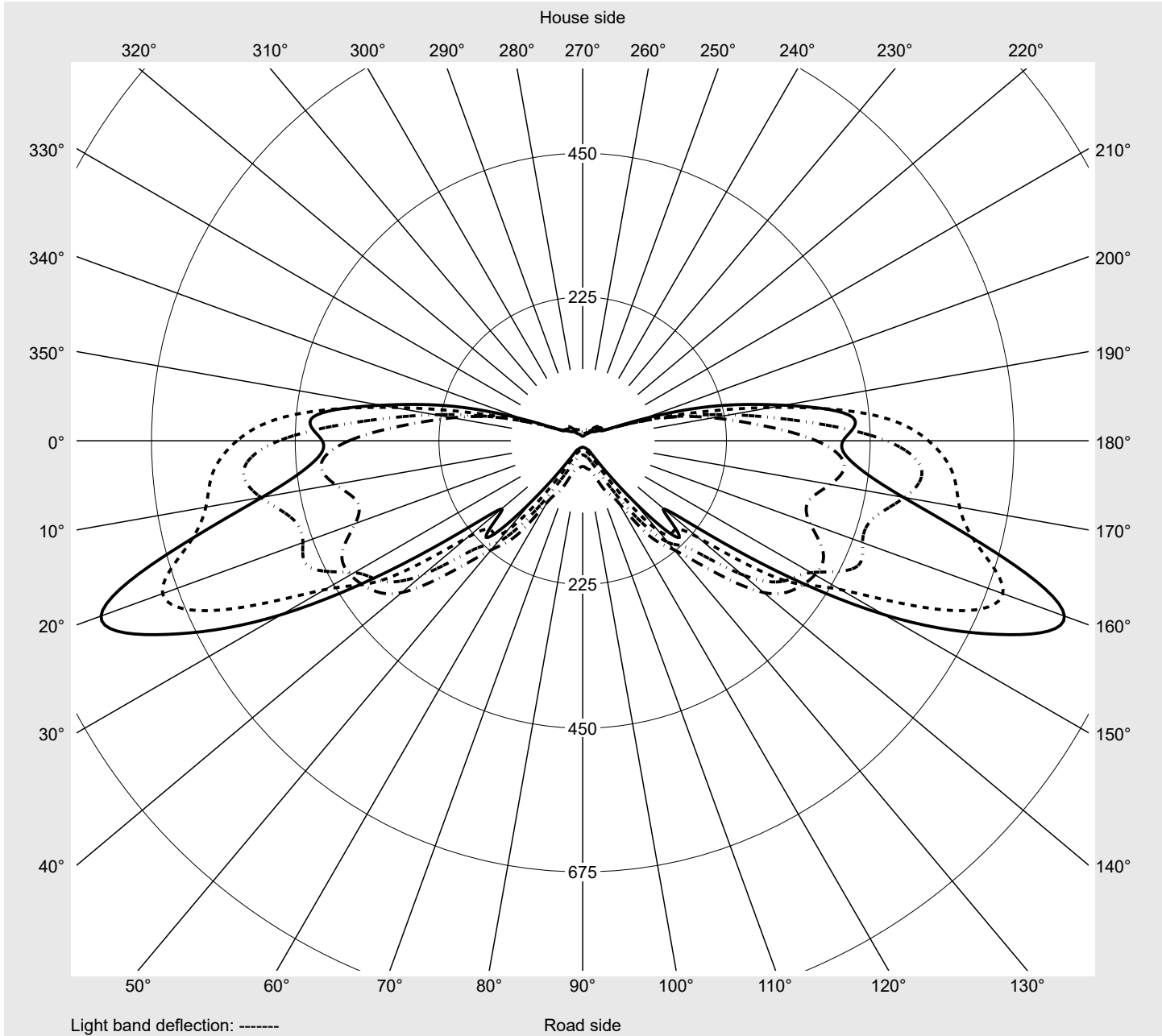
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2R31G08JB EAN: 4069025149305	LP number 59538_58
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Envelope curve in cd/klm	KMK 72.5°	KMK 70°	KMK 67.5°	KMK 65°	
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Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2R31G08JB EAN: 4069025149305	LP number 59538_58
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°	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1
2,5°	255.3	255.8	256.2	256.7	257.1	257.7	258.2	259.1	260.2	260.9	261.9	262.7	263.5
5,0°	255.4	256.0	256.7	258.2	260.6	263.0	265.0	267.2	269.2	270.8	272.6	274.1	275.5
7,5°	255.8	256.5	258.8	262.3	266.0	269.3	272.5	275.5	278.7	281.2	283.2	285.3	287.1
10,0°	256.4	258.2	262.5	267.4	272.2	277.0	280.9	284.5	288.5	291.7	293.9	296.0	297.8
12,5°	257.1	260.9	266.8	273.2	279.7	285.3	290.3	294.6	298.1	301.2	303.7	305.6	306.7
15,0°	258.3	264.2	271.8	280.0	287.4	293.9	299.5	303.5	306.9	309.1	310.8	311.9	312.4
17,5°	260.2	268.3	277.9	287.3	296.2	303.2	308.2	312.5	314.9	316.4	317.2	317.3	316.9
20,0°	261.6	272.9	284.4	295.3	305.5	312.0	317.0	319.8	321.2	321.9	321.7	320.7	318.8
22,5°	263.1	277.0	290.3	303.3	313.7	320.7	324.6	326.8	327.1	326.4	324.8	322.4	319.7
25,0°	265.0	281.9	297.1	311.8	321.9	328.6	332.3	333.7	333.0	330.6	327.4	324.0	320.7
27,5°	268.6	288.3	306.1	321.3	331.3	336.7	339.1	339.5	337.5	333.9	329.6	324.8	321.6
30,0°	273.4	296.2	316.3	331.6	340.5	344.6	345.4	344.5	341.6	337.2	332.0	327.5	323.8
32,5°	279.0	304.5	326.5	341.2	348.9	351.8	351.2	348.6	344.6	339.9	335.3	331.3	328.2
35,0°	283.7	312.2	336.3	351.1	356.8	357.7	355.9	351.8	347.5	343.8	340.9	338.8	336.1
37,5°	286.0	316.7	341.7	356.3	361.7	361.7	358.7	354.3	350.4	348.5	348.6	348.6	346.9
40,0°	287.0	320.2	345.2	358.6	362.5	362.3	359.1	356.2	355.0	355.8	360.4	364.2	362.1
42,5°	285.2	320.5	345.2	356.6	359.3	359.4	357.7	358.0	360.8	366.6	375.3	381.6	382.2
45,0°	285.7	320.8	343.5	351.3	353.0	354.6	355.8	360.2	369.0	380.9	393.4	402.6	408.6
47,5°	288.0	322.1	341.1	344.6	344.3	348.1	356.0	368.0	382.4	400.3	415.5	427.5	433.5
50,0°	292.9	325.0	338.7	336.5	334.5	341.6	358.1	378.1	396.9	417.8	434.4	441.6	427.3
52,5°	299.8	329.7	337.4	330.5	327.7	340.5	363.0	389.7	411.7	431.2	433.9	412.3	374.4
55,0°	306.7	334.2	337.1	326.9	326.4	344.1	371.1	403.3	424.1	433.0	402.1	355.6	306.8
57,5°	311.3	338.1	337.2	325.8	329.4	350.7	382.2	417.7	428.2	420.6	361.9	294.3	250.8
60,0°	317.1	344.9	339.9	328.5	336.3	364.5	398.6	425.7	422.2	393.2	312.0	249.9	207.3
62,5°	329.8	361.2	352.4	337.4	351.3	387.3	415.1	423.8	402.5	347.1	258.8	209.0	152.8
65,0°	365.7	410.8	393.4	366.1	378.8	415.5	419.8	405.2	369.7	289.8	223.3	181.2	111.5
67,5°	475.5	532.7	511.4	470.6	466.2	470.3	412.9	383.3	326.1	240.4	207.7	145.1	77.1
70,0°	541.1	581.5	599.1	641.5	699.8	627.4	466.2	377.8	235.4	200.6	183.3	93.1	32.6
72,5°	407.6	427.6	509.6	664.1	802.4	717.3	544.2	314.9	166.3	213.7	120.9	30.9	16.2
75,0°	246.2	264.5	277.6	328.6	402.1	429.8	318.1	215.1	231.4	176.6	43.4	14.0	11.6
77,5°	93.3	138.1	128.7	130.6	145.2	140.9	88.4	120.4	200.4	113.6	14.2	10.2	8.3
80,0°	29.0	40.6	45.8	48.4	48.9	39.2	14.5	19.3	31.3	15.5	8.5	6.2	5.1
82,5°	7.0	8.7	10.9	12.4	6.5	13.3	5.2	3.5	4.0	2.8	2.9	2.7	2.5
85,0°	2.5	2.4	2.2	2.0	2.0	2.0	1.6	1.5	1.3	1.3	1.3	1.0	1.0
87,5°	1.3	1.3	1.3	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.6	0.6	0.6
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

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2R31G08JB EAN: 4069025149305	LP number 59538_58
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°	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1
2,5°	264.1	264.7	265.0	265.5	265.8	266.0	254.1	252.7	252.0	251.3	249.9	248.7	247.5
5,0°	276.5	277.4	278.2	279.0	279.4	279.6	252.9	250.3	247.5	245.1	242.6	240.3	238.0
7,5°	288.6	289.8	290.7	291.5	292.1	292.5	252.2	247.5	243.3	239.7	235.8	232.7	230.1
10,0°	299.2	300.1	301.2	302.0	302.6	302.6	251.6	245.2	239.6	234.8	230.3	226.7	224.1
12,5°	307.5	308.1	308.7	309.4	309.6	309.8	251.8	243.7	236.5	230.9	225.4	222.3	220.0
15,0°	312.3	312.0	312.2	312.5	312.5	312.5	252.3	242.2	234.1	226.9	221.9	218.5	216.3
17,5°	315.9	314.3	313.4	313.1	312.8	312.9	252.5	240.7	231.1	223.7	218.6	215.3	212.6
20,0°	316.9	314.9	313.3	311.8	311.3	311.2	252.9	239.7	228.7	221.2	216.2	212.2	207.6
22,5°	317.2	314.1	311.8	310.2	309.1	308.9	252.5	237.9	226.0	218.4	213.4	208.2	200.7
25,0°	317.2	314.4	311.8	309.4	307.8	307.7	252.2	235.8	223.1	215.4	209.5	201.4	194.1
27,5°	318.6	315.5	312.6	310.2	308.7	308.7	252.3	234.2	220.7	211.9	203.6	193.1	183.9
30,0°	320.9	318.1	314.3	311.1	309.3	308.9	254.6	234.1	218.7	208.7	196.9	183.9	171.6
32,5°	325.2	322.1	318.3	315.3	313.4	312.7	256.0	233.4	216.4	204.3	188.2	171.8	154.5
35,0°	333.0	329.2	325.4	322.1	319.9	319.2	258.1	233.4	214.1	199.3	179.0	157.4	134.1
37,5°	343.1	339.8	336.7	333.6	331.9	331.1	256.3	230.9	210.2	192.2	168.0	141.7	114.8
40,0°	360.0	358.4	357.7	354.8	353.2	352.5	254.2	226.4	204.5	183.7	155.9	124.9	99.4
42,5°	383.8	385.0	385.3	381.7	379.0	378.1	249.1	218.4	193.8	170.3	140.9	110.7	86.3
45,0°	412.5	413.9	412.7	407.8	403.4	402.0	244.4	208.8	179.6	151.5	122.7	97.5	74.3
47,5°	431.9	419.1	401.0	382.9	370.4	366.1	243.2	201.6	166.1	130.5	103.5	85.3	64.9
50,0°	396.5	359.5	329.9	307.1	292.2	288.0	247.0	199.5	154.8	110.5	84.9	72.4	57.4
52,5°	326.1	280.0	250.8	231.5	218.8	215.0	251.4	198.7	147.9	93.2	68.1	60.2	52.1
55,0°	257.8	216.1	191.0	175.0	163.6	160.6	257.4	200.1	143.2	80.9	54.9	50.5	49.7
57,5°	209.3	172.2	145.8	127.8	116.2	112.4	260.4	199.2	139.4	73.0	45.5	44.0	46.7
60,0°	162.7	129.1	107.8	95.3	88.6	87.0	260.2	198.1	139.8	72.6	42.0	38.5	42.9
62,5°	121.1	93.2	79.2	72.8	66.6	64.1	261.6	198.3	141.4	74.7	43.1	36.4	39.2
65,0°	88.5	62.5	47.9	44.8	41.5	40.3	279.6	207.0	143.0	77.4	44.2	35.7	35.2
67,5°	45.4	31.8	26.8	24.3	22.6	22.2	347.1	234.7	143.9	79.3	43.6	33.8	31.5
70,0°	21.6	17.7	16.0	15.3	14.5	14.2	458.1	300.3	160.0	82.8	41.8	33.2	28.4
72,5°	13.7	12.2	11.3	10.7	10.2	10.0	423.8	320.2	207.5	97.4	41.2	31.7	25.8
75,0°	10.1	9.0	8.1	7.7	7.2	7.2	209.9	193.5	168.4	77.5	35.6	28.6	23.1
77,5°	7.0	6.1	5.4	5.1	4.7	4.6	67.8	68.8	55.1	23.2	21.9	22.0	18.9
80,0°	4.1	3.7	3.2	2.9	2.8	2.8	19.2	18.9	14.7	9.8	10.9	12.8	12.6
82,5°	2.3	2.1	1.9	1.7	1.6	1.7	5.4	5.0	4.9	5.3	5.5	6.3	6.2
85,0°	1.0	1.0	0.9	0.8	0.8	0.8	2.5	2.6	2.7	2.7	2.7	2.5	2.3
87,5°	0.6	0.5	0.4	0.4	0.4	0.4	1.3	1.5	1.5	1.5	1.4	1.4	1.3
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 21 mini LED	Order number: 5XE2R31G08JB EAN: 4069025149305	LP number 59538_58
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°	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	0.4	0.4
2,5°	246.5	245.9	245.1	244.3	243.7	243.5	243.2	242.8	242.7	242.6	242.6	3.0	3.4
5,0°	235.9	234.5	233.1	231.7	230.7	230.0	229.4	228.9	228.8	228.9	228.8	6.1	9.5
7,5°	227.6	226.1	224.9	223.7	222.9	222.6	222.1	222.1	222.1	222.1	222.1	9.1	18.6
10,0°	222.0	220.7	219.9	219.3	218.8	218.6	218.4	218.3	218.2	218.1	218.1	12.2	30.8
12,5°	218.2	217.1	216.1	215.2	214.2	213.1	211.9	211.4	211.0	210.6	210.7	15.3	46.1
15,0°	214.8	212.9	210.8	208.0	205.7	204.0	202.3	201.1	200.4	200.0	199.9	18.3	64.4
17,5°	209.5	205.5	202.2	199.0	195.7	192.5	188.9	185.6	183.2	181.5	180.9	21.2	85.6
20,0°	202.1	198.0	193.3	188.5	182.0	175.6	170.1	166.1	163.3	161.6	161.0	23.8	109.5
22,5°	194.9	188.8	182.1	173.1	165.0	158.5	153.6	150.5	148.6	147.4	147.0	26.4	135.8
25,0°	186.5	177.8	167.1	157.6	150.1	145.3	142.3	140.5	139.5	138.9	138.8	28.9	164.7
27,5°	174.2	161.1	149.5	141.3	136.2	133.3	132.5	132.7	132.9	132.8	132.9	31.3	196.0
30,0°	156.2	142.0	131.9	125.7	123.8	123.9	124.9	126.0	126.9	127.3	127.5	33.6	229.6
32,5°	135.4	121.4	112.6	109.8	110.7	114.2	118.5	121.7	121.8	121.3	121.0	35.8	265.4
35,0°	114.0	99.7	92.6	93.1	99.5	105.7	107.7	106.6	103.5	100.4	99.0	37.8	303.2
37,5°	94.9	80.9	76.9	81.3	86.7	87.6	84.6	80.5	76.5	73.4	72.1	39.4	342.6
40,0°	79.0	67.7	66.9	70.7	70.9	68.6	66.0	62.0	57.9	55.1	54.0	41.4	383.9
42,5°	67.7	60.7	61.9	61.8	61.0	59.2	55.0	51.3	49.1	47.7	47.2	43.6	427.6
45,0°	60.1	58.1	57.9	56.8	55.7	51.4	47.8	45.6	44.2	43.4	43.1	46.0	473.6
47,5°	56.2	56.3	54.5	54.0	50.0	45.6	43.0	41.3	40.4	39.9	39.7	47.5	521.1
50,0°	54.3	53.5	52.3	49.5	44.0	40.7	38.7	37.2	36.5	36.0	35.9	46.9	568.0
52,5°	53.7	50.6	49.0	44.4	39.0	36.3	34.6	33.7	33.1	32.8	32.8	45.3	613.2
55,0°	52.1	46.9	44.8	38.9	34.5	32.5	31.1	30.3	29.8	29.5	29.6	43.5	656.8
57,5°	46.5	42.6	39.5	33.8	30.7	28.8	27.2	26.5	26.2	25.9	26.0	41.9	698.7
60,0°	41.1	38.6	35.1	29.5	26.9	25.3	24.1	23.7	23.2	23.0	23.0	40.6	739.3
62,5°	36.4	35.1	30.1	25.4	23.4	22.0	21.3	20.8	20.3	20.1	20.1	39.5	778.8
65,0°	32.6	31.7	25.8	21.6	20.4	19.1	18.5	17.8	17.3	17.0	17.0	39.3	818.1
67,5°	28.8	27.9	22.6	18.5	17.3	16.3	15.5	14.9	14.3	14.0	13.9	42.2	860.3
70,0°	25.5	24.4	19.6	15.9	14.8	13.8	12.9	12.0	11.2	10.8	10.7	47.5	907.8
72,5°	21.9	20.1	16.4	13.5	12.2	10.9	9.5	8.3	7.6	7.2	7.2	45.6	953.4
75,0°	18.4	15.9	13.0	10.7	9.3	8.6	6.7	5.6	5.1	4.8	4.8	28.3	981.6
77,5°	14.5	11.7	9.1	7.2	6.3	6.0	4.2	3.4	2.9	2.7	2.7	12.7	994.3
80,0°	10.2	7.7	5.5	4.4	3.9	3.5	2.5	1.8	1.4	1.1	1.0	3.8	998.2
82,5°	5.4	4.1	3.0	2.3	1.8	1.6	1.3	1.0	0.8	0.6	0.4	1.2	999.3
85,0°	2.1	1.8	1.5	1.2	0.9	0.8	0.6	0.6	0.4	0.4	0.3	0.4	999.8
87,5°	1.1	1.0	0.9	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.2	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 21 mini LED	Order number: 5XE2R31G08JB EAN: 4069025149305	LP number 59538_58
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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] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	9400	71.6	74.6	73.1
95	241	252	8919	67.1	69.8	68.4
90	229	250	8475	63.2	65.6	64.4
85	216	248	7994	58.9	61.2	60.0
80	203	246	7513	54.8	56.8	55.8
75	190	243	7031	50.7	52.7	51.7
70	178	241	6587	47.1	48.9	48.0
65	165	238	6106	43.3	44.9	44.1
60	152	235	5625	39.6	41.1	40.4
55	140	232	5181	36.2	37.5	36.8
50	127	229	4700	32.7	33.8	33.2
45	114	225	4219	29.2	30.3	29.8
40	102	221	3775	26.1	27.0	26.6
35	89	216	3294	22.7	23.5	23.1
30	76	210	2813	19.5	20.1	19.8
25	63	203	2331	16.3	16.9	16.6
20	51	195	1887	13.6	14.0	13.8
15	38	184	1406	10.6	10.8	10.7
10	26	171	962	8.0	8.1	8.0

Dimming levels table	environmental temperature: 5°C
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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	9400	70.3	71.9	71.1
95	241	252	8919	66.0	67.6	66.8
90	229	250	8475	62.2	63.6	62.9
85	216	248	7994	58.1	59.4	58.8
80	203	246	7513	54.2	55.3	54.8
75	190	243	7032	50.3	51.3	50.8
70	178	241	6588	46.7	47.7	47.2
65	165	238	6107	43.0	43.9	43.4
60	152	235	5626	39.4	40.2	39.8
55	140	232	5181	36.0	36.8	36.4
50	127	229	4700	32.7	33.3	33.0
45	114	225	4219	29.1	29.8	29.4
40	102	221	3775	26.1	26.6	26.4
35	89	216	3294	22.7	23.2	23.0
30	76	210	2813	19.5	19.9	19.7
25	63	203	2332	16.4	16.8	16.6
20	51	195	1888	13.7	13.9	13.8
15	38	184	1406	10.7	10.8	10.8
10	26	171	962	8.0	8.1	8.0

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2R31G08JB EAN: 4069025149305	LP number 59538_58
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Dimming levels table	environmental temperature: 15°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	9400	70.9	73.6	72.2
95	241	252	8918	66.5	69.1	67.8
90	229	250	8474	62.5	65.0	63.8
85	216	248	7993	58.5	60.6	59.6
80	203	246	7512	54.4	56.4	55.4
75	191	244	7068	50.8	52.6	51.7
70	178	241	6587	46.9	48.6	47.8
65	165	238	6106	43.1	44.7	43.9
60	152	235	5625	39.5	40.8	40.2
55	140	232	5181	36.1	37.4	36.8
50	127	229	4700	32.6	33.7	33.2
45	114	225	4219	29.1	30.2	29.6
40	102	221	3775	26.1	27.0	26.6
35	89	216	3294	22.7	23.5	23.1
30	76	210	2812	19.5	20.2	19.8
25	64	204	2368	16.6	17.2	16.9
20	51	195	1887	13.6	14.0	13.8
15	38	184	1406	10.6	10.9	10.8
10	26	171	962	7.9	8.1	8.0

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2R31G08JB EAN: 4069025149305	LP number 59538_58
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Luminousfluxs table **sITeco**

Temperature °C	Luminous flux lm	Power consumption W
25.0	9400.0	71.6
5.0	9400.0	70.3
15.0	9400.0	70.9