
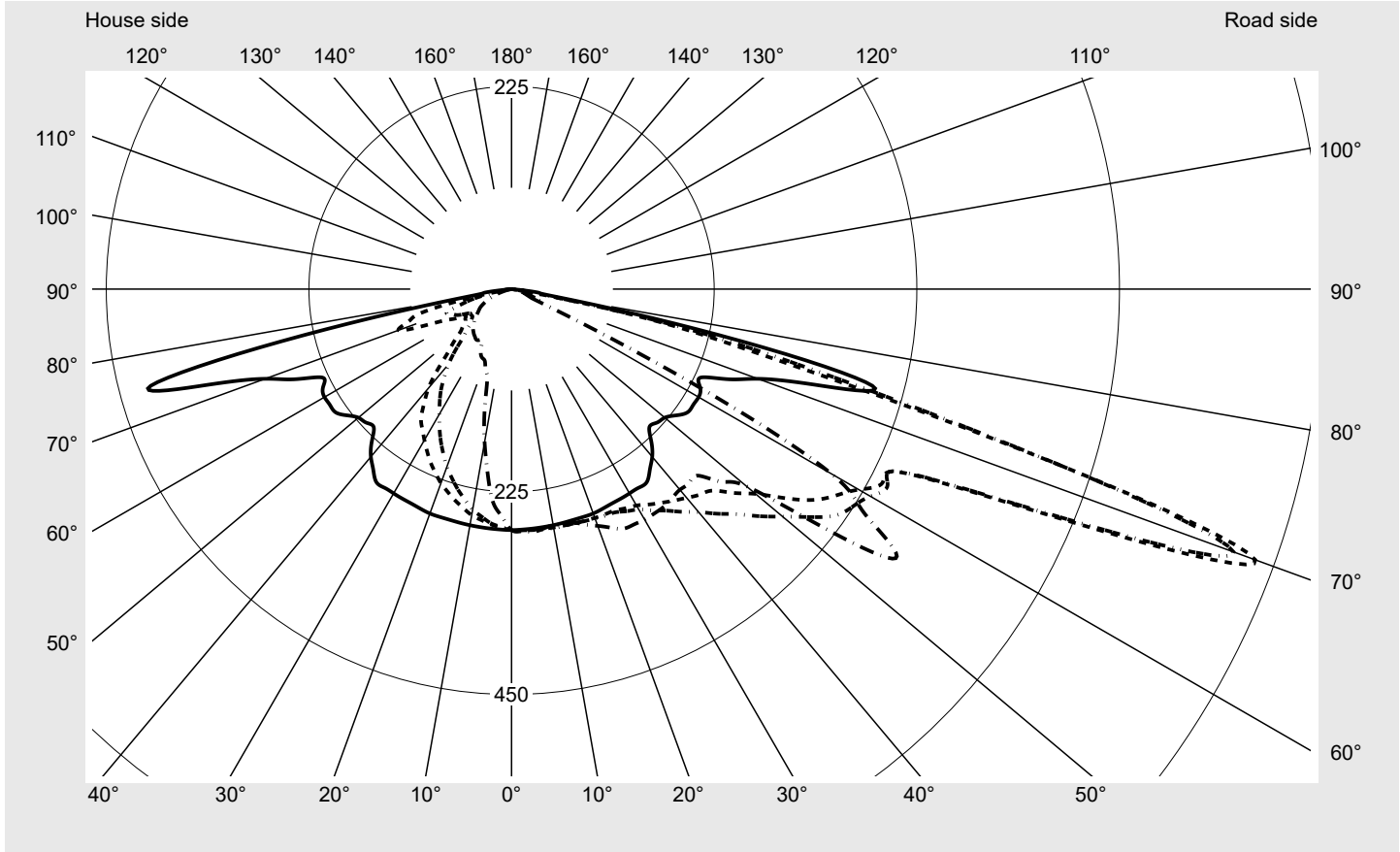


Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2U31D08HB EAN: 4069025149701	LP number 59536_294
	Version post-top or side-entry mounting Optic asymmetric, extremely wide distribution (P0.8a) Cover toughened safety glass Lamps LED 3000 K CRI ≥ 70 Controlgear ECG SITECO iQ Rated values Net luminous flux = 9540 lm Power consumption = 70.9 W Luminous efficacy = 134.6 lm/W	serial documentation 18.01.2024



Luminous intensity in cd/klm C180-0 C195-15 C200-20 C270-90 **Imax: 879 cd/klm**



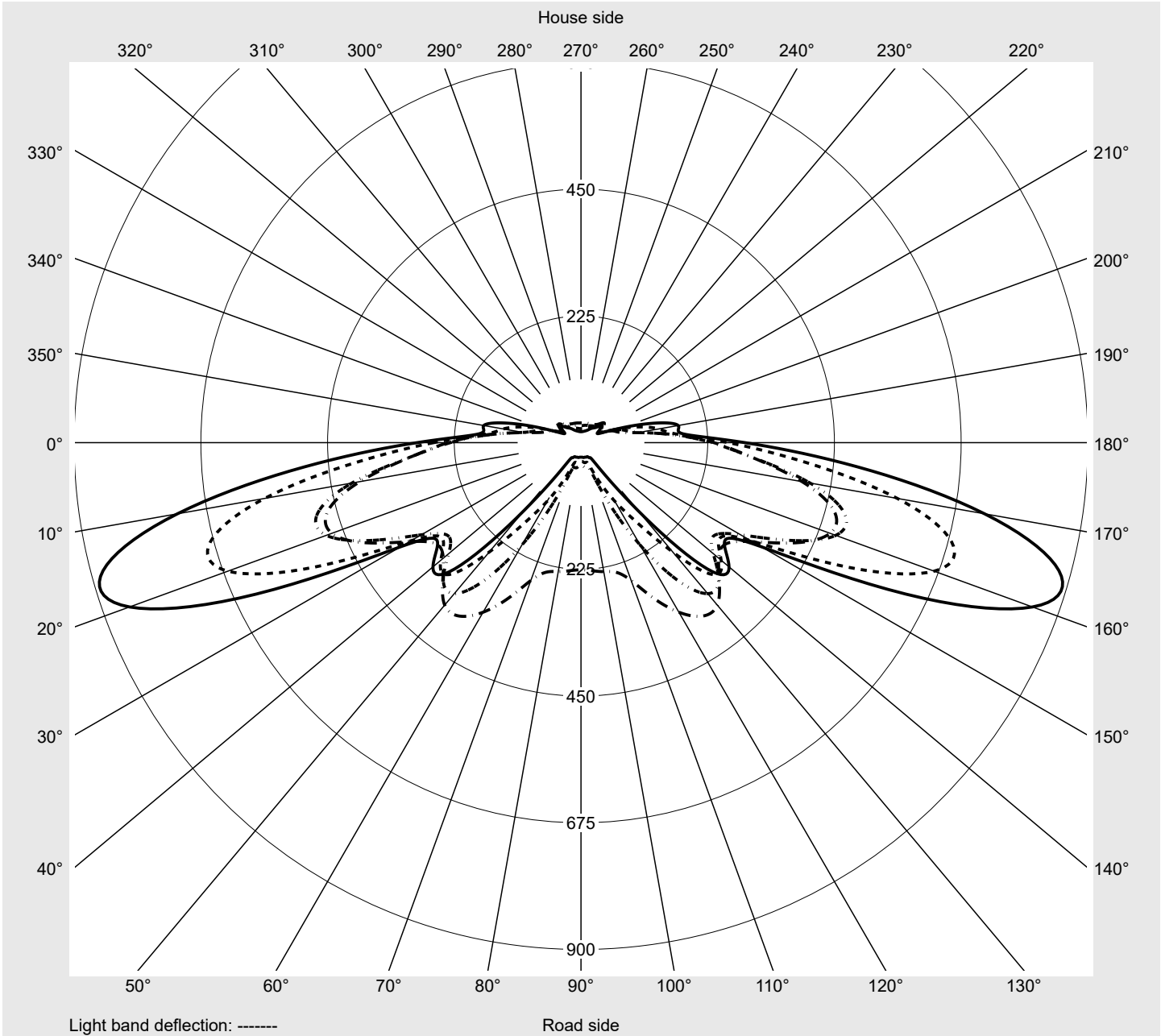
Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%
Measurement conditions	
DIN EN 13032 and DIN 5032	

Luminous intensity class acc. to EN13201-2	
Class:	G3
Imax 70°	878.7
Imax 80°	57.3
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2U31D08HB EAN: 4069025149701	LP number 59536_294
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Envelope curve in cd/klm **KMK 70°** **KMK 67.5°** **KMK 65°** **KMK 62.5°** **siteco**



Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2U31D08HB EAN: 4069025149701	LP number 59536_294
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°	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5
2,5°	267.2	267.2	267.4	267.7	268.0	268.2	268.3	268.4	268.7	268.6	268.6	268.7	268.7
5,0°	266.9	266.9	267.2	267.8	268.6	268.9	269.1	269.3	269.8	269.6	269.6	269.8	269.9
7,5°	266.5	266.7	267.4	268.3	269.0	269.1	269.0	269.1	269.2	269.0	268.6	268.3	268.2
10,0°	266.2	266.6	267.5	268.8	269.4	269.4	269.0	268.9	268.7	268.3	267.5	266.8	266.5
12,5°	265.7	266.8	267.7	268.9	269.3	269.2	268.7	268.4	268.0	267.7	267.2	266.8	266.7
15,0°	265.2	267.0	267.9	269.1	269.2	269.1	268.3	267.9	267.3	267.0	266.9	266.8	267.0
17,5°	265.2	267.9	268.8	269.7	270.1	270.0	269.8	269.8	269.9	270.4	270.8	271.1	271.6
20,0°	265.1	268.9	269.6	270.3	271.0	270.8	271.2	271.7	272.4	273.8	274.7	275.4	276.3
22,5°	264.0	268.4	269.8	270.7	272.2	273.3	274.8	276.9	278.7	280.6	282.2	283.8	285.0
25,0°	262.8	268.0	269.9	271.2	273.4	275.7	278.4	282.1	285.0	287.4	289.7	292.2	293.7
27,5°	262.3	269.0	271.7	274.3	277.9	281.8	286.1	291.1	295.3	299.0	301.4	302.9	302.7
30,0°	261.9	269.9	273.5	277.4	282.5	287.8	293.9	300.0	305.5	310.6	313.1	313.5	311.7
32,5°	261.8	271.7	277.3	283.5	291.4	299.5	307.7	315.0	321.0	325.6	326.4	323.2	318.0
35,0°	261.7	273.6	281.1	289.6	300.3	311.1	321.4	329.9	336.4	340.6	339.8	332.9	324.3
37,5°	252.3	268.4	281.4	296.0	311.7	326.6	338.9	348.1	353.7	354.6	350.3	339.3	327.6
40,0°	243.0	263.2	281.8	302.4	323.1	342.1	356.4	366.4	370.9	368.7	360.7	345.6	330.9
42,5°	229.8	256.4	281.5	309.4	338.2	363.9	378.3	385.7	385.6	377.9	365.2	348.0	332.0
45,0°	216.5	249.6	281.2	316.3	353.3	385.7	400.3	405.0	400.3	387.0	369.7	350.4	333.1
47,5°	219.3	258.6	295.9	335.0	373.2	403.4	416.6	415.9	404.4	385.7	366.0	350.2	338.2
50,0°	222.0	267.6	310.6	353.7	393.0	421.0	433.0	426.9	408.5	384.3	362.2	350.0	343.3
52,5°	230.3	281.2	331.6	380.9	415.7	432.1	429.8	415.1	391.8	372.1	363.5	370.8	388.4
55,0°	238.5	294.7	352.7	408.1	438.3	443.1	426.6	403.4	375.0	359.8	364.8	391.6	433.4
57,5°	239.2	300.2	368.4	426.7	449.2	436.9	401.3	371.3	353.4	354.2	384.0	423.0	459.6
60,0°	239.9	305.7	384.0	445.2	460.1	430.6	376.1	339.2	331.9	348.6	403.2	454.3	485.7
62,5°	236.0	306.5	398.6	464.7	470.8	420.8	351.7	313.7	319.3	347.2	376.6	376.0	347.7
65,0°	232.2	307.3	413.1	484.1	481.4	410.9	327.3	288.2	306.7	345.7	350.0	297.8	209.7
67,5°	261.7	400.0	570.4	681.4	667.3	523.6	348.4	299.5	324.9	331.4	253.7	172.7	120.4
70,0°	291.2	492.6	727.8	878.7	853.1	636.3	369.5	310.8	343.1	317.0	157.5	47.7	31.0
72,5°	353.0	430.5	526.3	594.6	600.5	549.8	505.8	527.8	350.6	186.2	90.1	34.6	25.1
75,0°	414.8	368.5	324.8	310.5	347.9	463.4	642.1	744.8	358.1	55.4	22.7	21.6	19.3
77,5°	236.0	205.6	178.8	168.2	183.7	239.0	334.0	387.5	184.9	33.3	17.6	16.7	14.7
80,0°	57.3	42.7	32.7	25.9	19.4	14.6	25.9	30.2	11.7	11.3	12.5	11.9	10.0
82,5°	30.0	22.6	17.5	14.0	10.7	8.3	13.9	16.1	6.8	6.6	7.4	7.1	6.4
85,0°	2.7	2.5	2.3	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.3	2.4	2.7
87,5°	1.4	1.3	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.4
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: 5XE2U31D08HB EAN: 4069025149701	LP number 59536_294
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°	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5
2,5°	268.8	268.7	268.8	268.9	268.9	269.0	266.5	265.7	264.9	264.3	263.2	262.1	260.9
5,0°	270.0	269.8	270.0	270.2	270.3	270.5	265.5	264.0	262.3	261.0	259.0	256.8	254.3
7,5°	268.1	268.0	267.8	268.0	268.1	268.3	264.6	261.7	258.5	254.8	250.1	245.2	240.0
10,0°	266.2	266.2	265.6	265.7	265.9	266.2	263.7	259.4	254.8	248.5	241.2	233.7	225.8
12,5°	266.6	266.7	266.6	266.8	267.1	267.4	262.2	256.2	248.7	239.4	229.0	218.0	206.6
15,0°	267.0	267.3	267.5	267.9	268.3	268.7	260.7	253.0	242.7	230.3	216.7	202.2	187.3
17,5°	271.9	272.4	272.7	273.3	273.7	274.2	260.0	249.6	236.0	220.1	202.7	184.7	166.5
20,0°	276.9	277.5	277.9	278.7	279.1	279.7	259.3	246.2	229.2	209.9	188.8	167.2	145.7
22,5°	285.7	286.0	285.3	285.9	286.0	286.6	256.1	240.7	220.9	197.9	173.1	148.9	124.7
25,0°	294.5	294.4	292.7	293.2	293.0	293.5	253.0	235.1	212.5	186.0	157.4	130.7	103.7
27,5°	301.7	299.6	296.6	295.1	294.3	294.5	249.8	229.0	203.1	173.2	142.1	112.9	90.5
30,0°	308.9	304.7	300.5	297.1	295.6	295.6	246.5	222.9	193.6	160.4	126.8	95.2	77.3
32,5°	313.0	307.3	302.0	297.5	295.4	295.3	243.8	216.9	184.3	148.5	113.2	85.2	75.5
35,0°	317.0	310.0	303.6	298.0	295.1	294.9	241.1	211.0	175.1	136.5	99.5	75.1	73.7
37,5°	317.8	309.7	303.3	296.8	293.1	292.9	227.5	194.9	159.3	122.5	89.6	70.6	71.2
40,0°	318.5	309.4	303.1	295.7	291.1	290.8	213.8	178.8	143.5	108.6	79.7	66.1	68.6
42,5°	318.9	309.7	303.7	297.1	292.4	291.8	194.6	156.5	121.9	92.6	71.9	63.8	66.0
45,0°	319.2	310.1	304.3	298.5	293.8	292.9	175.4	134.2	100.3	76.6	64.1	61.5	63.3
47,5°	329.8	326.0	323.9	321.0	317.3	316.6	170.5	122.9	87.3	67.9	61.3	60.6	62.1
50,0°	340.3	341.9	343.4	343.5	340.8	340.4	165.5	111.6	74.4	59.3	58.4	59.8	60.9
52,5°	405.0	419.9	430.4	434.7	431.6	430.6	167.0	108.2	68.4	56.2	56.5	57.5	57.6
55,0°	469.7	498.0	517.3	525.9	522.3	520.8	168.4	104.8	62.4	53.0	54.6	55.3	54.3
57,5°	478.3	480.2	474.1	472.9	468.6	465.7	167.5	102.3	61.0	53.3	50.4	50.0	50.6
60,0°	486.8	462.4	430.8	419.9	414.9	410.5	166.7	99.7	59.6	53.6	46.2	44.6	46.9
62,5°	304.6	260.5	238.2	232.6	228.3	225.8	164.6	102.3	71.0	60.8	46.8	42.1	46.4
65,0°	122.3	58.5	45.5	45.3	41.7	41.1	162.5	104.9	82.5	68.0	47.5	39.6	45.8
67,5°	75.0	42.9	36.1	36.0	33.8	33.5	171.9	140.1	107.9	72.2	44.8	36.5	43.4
70,0°	27.6	27.3	26.7	26.8	26.0	25.9	181.3	175.3	133.4	76.4	42.1	33.3	41.1
72,5°	22.7	22.0	21.3	21.1	20.5	20.3	265.1	189.7	120.0	62.2	33.7	27.5	35.0
75,0°	17.7	16.6	15.9	15.3	15.0	14.8	348.9	204.0	106.7	47.9	25.3	21.8	29.0
77,5°	13.1	12.5	11.5	11.1	10.8	10.6	193.6	113.1	59.4	29.8	17.4	15.8	20.3
80,0°	8.4	8.3	7.2	6.9	6.6	6.5	38.3	22.1	12.2	11.8	9.4	9.8	11.6
82,5°	5.4	5.2	4.5	4.3	4.1	4.0	20.5	12.5	7.6	7.4	6.0	6.3	7.0
85,0°	2.3	2.1	1.8	1.7	1.6	1.5	2.8	2.8	2.9	2.9	2.7	2.7	2.5
87,5°	1.1	1.0	0.9	0.8	0.8	0.7	1.4	1.4	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: 5XE2U31D08HB EAN: 4069025149701	LP number 59536_294
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°	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	0.4	0.4
2,5°	259.6	258.4	257.3	256.2	255.1	254.3	253.6	253.0	252.6	252.4	252.3	3.2	3.6
5,0°	251.7	249.4	247.1	244.9	242.7	241.1	239.8	238.5	237.7	237.3	237.2	6.2	9.8
7,5°	234.8	230.1	225.2	220.5	216.3	213.0	210.1	207.9	206.2	205.4	204.8	9.0	18.7
10,0°	217.9	210.8	203.4	196.1	189.9	184.8	180.4	177.3	174.8	173.4	172.5	11.5	30.2
12,5°	195.6	185.0	175.2	166.1	158.0	151.4	146.3	142.8	140.4	139.1	138.4	13.6	43.8
15,0°	173.3	159.2	147.1	136.1	126.1	118.1	112.2	108.3	106.0	104.7	104.3	15.5	59.4
17,5°	149.3	133.3	121.0	111.9	105.2	100.8	98.1	96.7	95.8	95.3	95.2	17.6	76.9
20,0°	125.4	107.5	94.9	87.6	84.4	83.5	84.0	85.2	85.7	85.9	86.1	19.5	96.4
22,5°	105.4	93.2	87.8	86.3	86.0	85.8	85.4	85.1	84.3	83.6	83.3	21.7	118.1
25,0°	85.5	78.9	80.6	84.9	87.6	88.0	86.8	84.9	82.9	81.2	80.5	23.8	141.9
27,5°	81.2	81.9	85.3	88.0	88.0	85.8	82.5	79.3	76.2	74.0	73.1	26.1	168.0
30,0°	77.0	84.8	90.0	91.2	88.3	83.6	78.3	73.6	69.6	66.7	65.7	28.2	196.2
32,5°	79.1	85.7	88.8	87.8	84.1	79.6	75.2	71.9	69.4	67.7	67.1	30.6	226.8
35,0°	81.2	86.7	87.6	84.5	79.9	75.6	72.2	70.2	69.3	68.6	68.4	32.9	259.7
37,5°	76.3	79.2	78.9	77.1	76.1	74.0	71.1	69.2	67.9	67.1	66.7	34.9	294.6
40,0°	71.3	71.6	70.3	69.7	72.4	72.5	70.0	68.2	66.6	65.5	65.1	36.8	331.3
42,5°	67.4	67.5	68.8	69.1	68.9	68.5	66.8	65.5	64.3	63.3	62.9	38.5	369.8
45,0°	63.5	63.4	67.3	68.6	65.4	64.6	63.6	62.8	62.0	61.1	60.7	40.2	410.1
47,5°	62.2	64.8	65.8	64.2	61.6	61.0	60.1	59.3	58.4	57.5	57.2	42.8	452.8
50,0°	60.9	66.1	64.2	59.8	57.9	57.4	56.6	55.8	54.8	53.9	53.6	45.3	498.1
52,5°	59.8	63.6	59.5	55.6	53.9	53.3	52.6	51.7	50.6	49.9	49.7	50.1	548.1
55,0°	58.6	61.0	54.8	51.4	50.0	49.2	48.5	47.6	46.5	45.9	45.9	55.0	603.1
57,5°	57.5	56.2	50.1	47.2	46.0	45.1	44.4	43.8	43.2	42.8	42.8	55.3	658.4
60,0°	56.4	51.4	45.4	43.1	42.0	41.0	40.4	40.0	39.8	39.7	39.6	55.4	713.8
62,5°	54.0	47.8	42.0	39.7	38.3	37.1	36.5	36.0	35.5	35.1	35.0	47.7	761.5
65,0°	51.6	44.2	38.6	36.3	34.6	33.2	32.5	31.9	31.2	30.5	30.5	39.5	800.9
67,5°	48.3	41.4	36.3	33.4	30.6	28.5	27.4	26.5	25.7	25.0	24.9	43.3	844.2
70,0°	45.1	38.6	34.0	30.6	26.6	23.9	22.2	21.1	20.1	19.6	19.4	47.1	891.3
72,5°	38.7	34.3	30.3	25.9	21.5	18.5	16.7	15.5	14.5	14.0	13.8	42.6	933.9
75,0°	32.4	30.0	26.6	21.3	16.4	13.1	11.3	10.0	9.0	8.3	8.1	37.9	971.7
77,5°	22.7	22.3	20.0	15.8	11.7	9.2	7.7	6.6	5.6	4.9	4.7	21.1	992.8
80,0°	13.0	14.5	13.5	10.3	7.0	5.2	4.2	3.1	2.2	1.5	1.3	4.0	996.9
82,5°	7.7	8.3	7.6	6.0	4.2	3.2	2.6	2.0	1.5	1.0	0.9	2.3	999.2
85,0°	2.3	2.1	1.8	1.7	1.5	1.3	1.0	0.8	0.7	0.6	0.6	0.6	999.7
87,5°	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.3	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: 5XE2U31D08HB EAN: 4069025149701	LP number 59536_294
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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	9540	70.9	75.1	73.0
95	241	252	9052	65.9	69.9	67.9
90	229	250	8601	61.6	65.2	63.4
85	216	248	8113	57.1	60.5	58.8
80	203	246	7624	52.8	55.8	54.3
75	190	243	7136	48.7	51.5	50.1
70	178	241	6686	45.0	47.5	46.2
65	165	238	6197	41.1	43.5	42.3
60	152	235	5709	37.4	39.5	38.4
55	140	232	5258	34.2	36.0	35.1
50	127	229	4770	30.7	32.3	31.5
45	114	225	4282	27.5	28.8	28.2
40	102	221	3831	24.4	25.6	25.0
35	89	216	3343	21.2	22.3	21.8
30	76	210	2854	18.2	19.1	18.6
25	63	203	2366	15.3	16.0	15.6
20	51	195	1916	12.7	13.3	13.0
15	38	184	1427	9.9	10.3	10.1
11	27	172	1014	7.8	8.0	7.9

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	9530	68.9	71.9	70.4
95	241	252	9042	64.4	67.1	65.8
90	229	250	8592	60.3	62.9	61.6
85	216	248	8104	56.1	58.4	57.2
80	203	246	7617	52.0	54.1	53.0
75	190	243	7129	48.0	50.0	49.0
70	178	241	6679	44.4	46.3	45.3
65	165	238	6191	40.8	42.4	41.6
60	152	235	5703	37.2	38.6	37.9
55	140	232	5253	33.9	35.3	34.6
50	127	229	4765	30.6	31.8	31.2
45	114	225	4277	27.3	28.3	27.8
40	102	221	3827	24.4	25.3	24.8
35	89	216	3339	21.2	22.1	21.6
30	76	210	2852	18.2	18.9	18.5
25	63	203	2364	15.4	15.9	15.6
20	51	195	1914	12.7	13.2	13.0
15	38	184	1426	9.9	10.2	10.0
11	27	172	1013	8.0	8.1	8.0

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2U31D08HB EAN: 4069025149701	LP number 59536_294
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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] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	9540	69.7	72.8	71.2
95	241	252	9051	65.0	67.8	66.4
90	229	250	8601	60.8	63.5	62.2
85	216	248	8112	56.5	58.8	57.6
80	203	246	7624	52.4	54.4	53.4
75	191	244	7174	48.6	50.6	49.6
70	178	241	6685	44.6	46.4	45.5
65	165	238	6197	40.9	42.5	41.7
60	152	235	5709	37.3	38.7	38.0
55	140	232	5258	34.0	35.3	34.6
50	127	229	4770	30.6	31.8	31.2
45	114	225	4282	27.3	28.3	27.8
40	102	221	3831	24.3	25.2	24.8
35	89	216	3343	21.2	22.0	21.6
30	76	210	2854	18.2	18.8	18.5
25	64	204	2404	15.6	16.1	15.8
20	51	195	1915	12.7	13.1	12.9
15	38	184	1427	10.0	10.2	10.1
11	27	172	1014	7.9	8.0	8.0

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2U31D08HB EAN: 4069025149701	LP number 59536_294
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Luminousfluxs table



Temperature °C	Luminous flux lm	Power consumption W
25.0	9540.0	70.9
5.0	9530.0	68.9
15.0	9540.0	69.7