

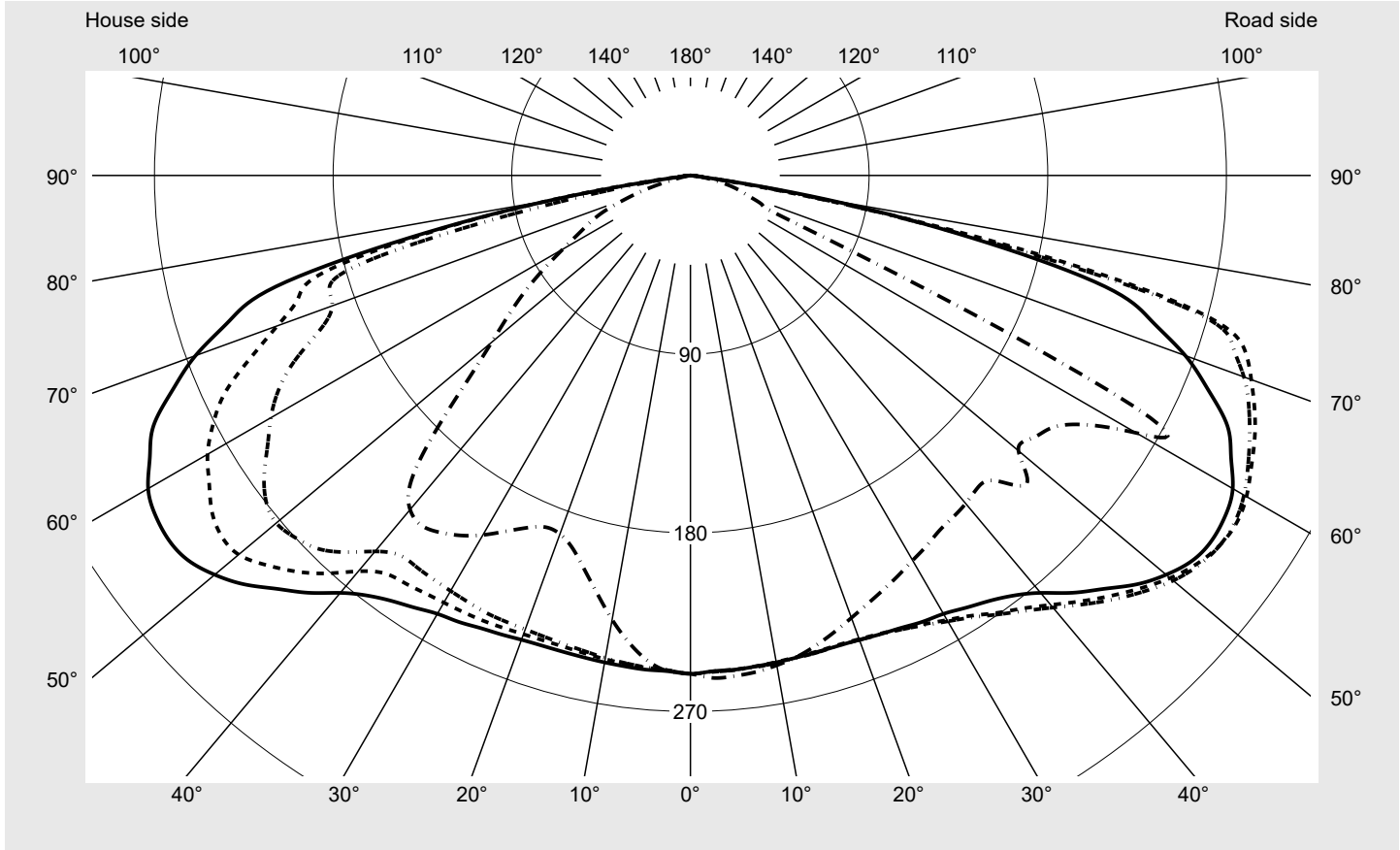


Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1V33T08DB EAN: 4069025149169	LP number 59539_188
	Version post-top or side-entry mounting, Smart Interface up/down Optic asymmetric, extremely wide distribution (P0.5a) Cover toughened safety glass Lamps LED 3000 K CRI ≥ 70 Controlgear EVG-Smart Interface Rated values Net luminous flux = 4940 lm Power consumption = 39.1 W Luminous efficacy = 126.3 lm/W	serial documentation 18.01.2024
		

Luminous intensity in cd/klm C180-0 C190-10 C195-15 C270-90 **Imax: 326 cd/klm**



Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

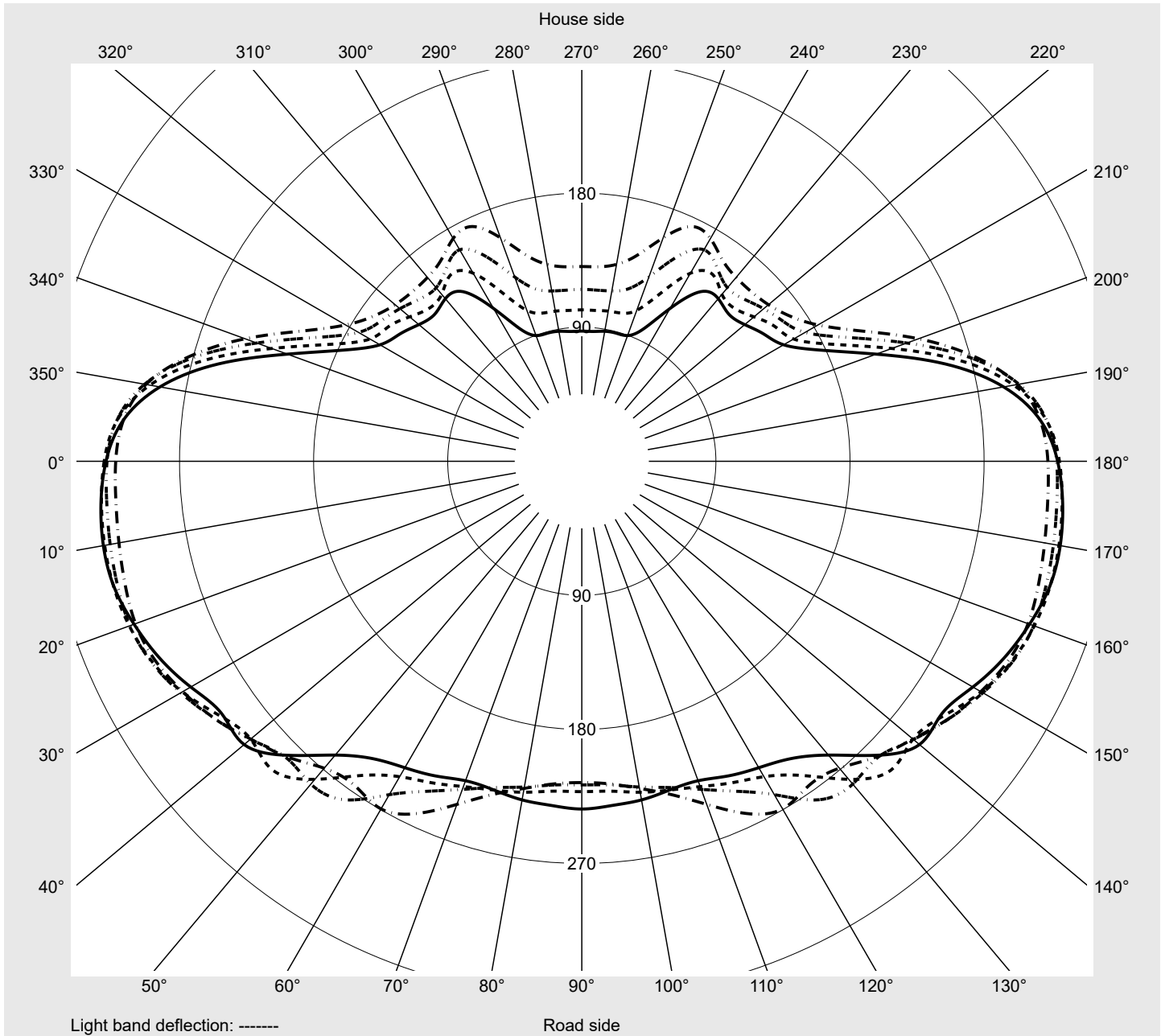
Luminous intensity class acc. to EN13201-2	
Class:	G6
Imax 70°	300.7
Imax 80°	79.4
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1V33T08DB EAN: 4069025149169	LP number 59539_188
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Envelope curve in cd/klm	KMK 57.5°	KMK 55°	KMK 52.5°	KMK 50°	siteco
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Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1V33T08DB EAN: 4069025149169	LP number 59539_188
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°	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0
2,5°	250.0	250.0	250.1	250.3	250.7	251.0	251.0	251.2	251.5	251.6	251.7	252.0	252.3
5,0°	249.9	249.8	249.8	250.2	250.6	250.8	251.0	251.2	251.6	251.6	251.8	252.1	252.3
7,5°	249.5	249.5	249.4	249.8	250.3	250.6	250.8	250.9	251.2	251.3	251.4	251.6	251.7
10,0°	249.0	248.9	248.9	249.3	249.7	250.0	250.2	250.3	250.5	250.6	250.7	250.7	250.6
12,5°	248.6	248.5	248.3	248.8	249.3	249.5	249.6	249.6	249.6	249.6	249.6	249.6	249.4
15,0°	248.3	248.3	248.1	248.6	249.0	249.0	249.0	248.9	248.7	248.7	248.5	248.2	247.7
17,5°	248.3	248.2	247.9	248.3	248.7	248.8	248.8	248.6	248.1	247.7	247.3	246.6	245.9
20,0°	248.9	249.0	248.5	249.0	249.2	249.1	249.0	248.5	247.8	247.2	246.4	245.4	244.2
22,5°	250.1	250.1	249.8	250.3	250.5	250.3	249.9	249.1	248.0	246.9	245.8	244.0	242.5
25,0°	251.4	251.8	251.8	252.3	252.4	252.0	251.1	249.9	248.3	246.5	244.7	242.8	240.9
27,5°	253.4	254.0	254.8	255.4	255.5	255.0	253.7	252.1	249.6	247.0	244.5	242.2	239.4
30,0°	255.0	256.9	258.5	259.3	259.3	258.5	257.2	254.9	251.6	248.3	245.1	241.9	238.5
32,5°	258.2	260.9	263.0	263.9	264.2	263.3	261.6	258.6	254.5	250.7	246.4	242.2	238.0
35,0°	261.7	266.1	269.0	269.9	270.0	269.4	267.1	263.1	258.6	254.1	248.8	243.6	238.9
37,5°	266.8	271.5	274.9	276.5	276.5	275.8	273.3	268.9	263.8	258.0	251.8	246.1	240.6
40,0°	274.5	279.0	282.4	284.1	284.4	283.4	280.9	275.8	270.4	263.3	256.0	249.1	242.3
42,5°	285.1	287.7	290.9	293.0	293.3	292.0	288.8	283.0	276.7	268.6	260.2	252.3	244.4
45,0°	294.5	296.9	299.4	301.9	302.8	301.6	297.2	290.6	283.0	273.7	264.6	255.2	246.2
47,5°	304.8	305.7	307.7	310.1	311.4	309.8	304.3	297.0	287.8	277.8	267.8	257.0	248.7
50,0°	312.8	313.9	315.5	317.5	318.8	316.1	309.3	300.9	290.1	280.4	269.0	265.7	269.5
52,5°	318.7	320.1	321.5	322.6	322.8	318.8	310.8	301.1	290.5	281.1	282.9	277.4	258.4
55,0°	320.6	323.6	325.2	325.3	323.2	318.2	309.6	297.3	290.1	293.3	278.7	257.5	244.5
57,5°	319.4	324.0	326.1	325.1	319.8	312.7	303.1	295.2	295.9	279.2	257.5	243.8	237.5
60,0°	315.5	321.1	323.5	322.0	313.2	302.4	294.6	297.8	286.2	257.4	242.9	234.2	227.4
62,5°	307.0	315.3	318.5	316.7	303.4	288.4	283.0	286.1	266.8	239.5	228.9	220.3	213.3
65,0°	298.5	308.0	313.6	310.8	293.9	274.5	258.2	254.1	246.7	219.3	210.7	200.1	196.9
67,5°	282.4	297.5	307.6	304.5	284.9	260.4	237.6	233.8	224.5	196.1	181.4	175.2	177.5
70,0°	265.3	283.6	300.7	296.7	273.8	244.0	215.8	202.6	190.5	173.9	157.0	152.6	154.2
72,5°	243.6	269.1	292.8	286.6	258.3	222.1	190.7	169.6	160.0	149.0	134.1	128.7	126.5
75,0°	216.2	240.5	264.2	259.5	228.1	191.8	159.7	140.2	129.3	121.7	108.1	103.8	102.5
77,5°	145.0	162.5	166.8	154.2	137.4	126.2	120.6	109.9	99.3	92.4	79.4	77.3	75.9
80,0°	69.5	56.9	56.8	60.7	61.0	60.2	65.4	60.8	54.6	59.0	55.1	55.2	45.6
82,5°	6.3	5.3	5.3	7.2	14.9	17.9	23.4	25.2	24.8	26.7	24.9	30.5	22.9
85,0°	2.5	2.5	2.4	2.4	2.3	2.3	2.1	2.2	3.8	5.7	6.8	8.1	5.9
87,5°	1.4	1.4	1.4	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.0
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	0.0

Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1V33T08DB EAN: 4069025149169	LP number 59539_188
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°	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0
2,5°	252.3	252.3	252.7	252.9	253.1	253.3	250.0	249.6	249.6	249.8	249.7	249.6	249.6
5,0°	252.3	252.4	252.6	252.9	253.0	253.1	249.5	249.0	248.8	248.8	248.3	248.1	247.8
7,5°	251.6	251.6	251.7	252.1	252.3	252.3	249.0	248.2	247.8	247.4	246.7	245.9	245.0
10,0°	250.3	250.2	250.3	250.4	250.5	250.5	248.3	247.4	246.8	245.8	244.4	242.9	241.2
12,5°	248.9	248.6	248.4	248.3	248.3	248.3	247.6	246.5	245.5	244.0	241.7	239.3	236.5
15,0°	247.0	246.2	245.8	245.4	245.2	244.9	247.3	245.8	244.5	242.2	239.2	235.6	231.8
17,5°	244.7	243.5	242.5	241.7	241.2	241.1	247.2	245.6	243.7	240.6	236.5	232.0	226.9
20,0°	242.7	241.0	239.5	238.3	237.5	237.1	247.7	245.9	243.3	239.2	234.0	228.1	221.9
22,5°	240.8	238.9	236.9	234.9	234.1	233.5	248.7	246.6	243.2	237.9	231.2	224.1	216.7
25,0°	239.0	236.8	234.2	231.8	230.7	230.1	250.0	247.4	243.1	236.4	228.5	220.4	212.1
27,5°	236.8	234.2	231.6	229.1	227.5	227.0	251.3	247.9	242.3	234.8	225.8	216.6	207.6
30,0°	235.1	231.9	229.1	226.5	224.6	223.9	252.4	248.4	241.6	232.7	222.7	212.6	203.0
32,5°	234.4	230.8	227.1	224.2	221.9	221.3	254.5	249.3	241.1	230.7	219.4	208.0	197.7
35,0°	234.7	230.0	225.7	222.3	219.4	218.5	257.2	250.7	240.7	228.3	215.2	202.1	191.5
37,5°	235.1	229.6	224.5	220.5	217.8	217.1	260.8	252.7	240.9	226.3	210.7	196.0	185.4
40,0°	235.7	229.1	223.6	219.4	216.7	215.7	268.8	260.3	247.2	229.4	209.2	191.2	180.0
42,5°	237.0	229.2	222.7	218.0	214.7	213.8	279.8	271.8	257.3	236.8	212.4	190.4	176.4
45,0°	238.2	230.1	224.1	220.4	218.0	217.4	290.5	281.9	265.7	242.9	216.1	191.3	174.9
47,5°	246.9	247.6	243.5	237.5	231.8	229.8	300.6	290.3	270.0	243.5	214.7	189.5	173.3
50,0°	260.9	245.1	231.6	223.0	217.4	215.7	309.1	297.1	272.4	240.5	207.0	183.1	170.2
52,5°	244.4	234.4	226.8	222.1	218.1	217.3	313.3	298.0	269.5	232.2	196.7	173.0	164.4
55,0°	238.2	232.4	228.5	225.6	222.3	221.8	313.2	294.4	262.1	221.4	185.8	164.2	158.0
57,5°	233.0	228.2	228.4	230.8	232.0	233.5	309.4	287.5	252.5	210.3	176.6	156.4	149.0
60,0°	223.2	221.3	227.4	239.2	253.0	259.4	304.3	280.9	244.1	201.6	167.7	146.0	137.4
62,5°	206.8	211.0	228.8	255.9	259.3	251.4	295.4	271.1	233.9	189.1	153.8	128.8	122.0
65,0°	191.1	200.2	214.8	159.1	99.5	81.1	284.6	258.6	219.5	173.2	136.8	113.8	106.5
67,5°	173.1	177.0	104.3	45.0	40.1	39.3	268.1	239.7	201.3	160.9	126.0	98.9	86.9
70,0°	153.9	102.1	38.9	34.7	33.3	32.7	246.7	221.4	192.0	159.1	115.1	78.0	67.2
72,5°	111.9	41.5	29.4	28.3	27.3	27.0	224.7	207.4	190.7	144.1	81.8	52.9	48.5
75,0°	61.2	23.5	22.1	21.8	21.5	21.6	197.8	193.8	171.7	100.8	45.9	35.1	33.8
77,5°	29.7	16.3	15.8	15.8	15.3	15.1	138.8	139.4	99.3	39.4	22.0	21.2	22.0
80,0°	13.6	10.4	10.2	9.9	9.6	9.4	79.4	70.3	36.0	12.7	11.5	11.9	12.6
82,5°	6.5	5.7	5.7	5.6	5.2	5.2	10.5	13.4	8.3	5.6	5.6	5.7	6.0
85,0°	2.4	2.3	2.3	2.2	2.1	2.1	2.5	2.5	2.5	2.4	2.4	2.3	2.3
87,5°	0.9	0.9	0.9	0.8	0.9	0.9	1.4	1.4	1.5	1.4	1.3	1.3	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 micro LED	Order number: 5XE1V33T08DB EAN: 4069025149169	LP number 59539_188
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°	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	0.4	0.4
2,5°	249.5	249.6	249.6	249.4	249.5	249.6	249.9	249.8	249.8	249.8	250.0	3.0	3.4
5,0°	247.3	247.0	246.7	246.3	246.1	245.9	245.8	245.6	245.4	245.5	245.5	6.0	9.3
7,5°	243.8	242.8	241.6	240.6	239.8	239.1	238.5	237.9	237.5	237.3	237.3	8.8	18.2
10,0°	239.2	237.1	235.1	233.3	231.6	230.3	229.2	228.1	227.5	227.3	227.2	11.6	29.8
12,5°	233.5	230.3	227.4	224.7	222.2	220.1	218.5	217.4	216.5	216.1	216.0	14.2	44.0
15,0°	227.8	223.5	219.5	216.0	213.0	210.5	208.6	207.2	206.3	205.9	205.8	16.8	60.8
17,5°	221.8	216.7	211.9	207.7	204.2	201.5	199.5	198.2	197.5	197.2	197.1	19.2	80.0
20,0°	215.8	210.0	205.0	200.6	197.2	194.7	193.1	192.4	192.1	192.1	192.2	21.6	101.6
22,5°	210.0	204.1	199.0	194.9	192.2	190.6	190.1	190.3	190.7	191.4	191.7	24.0	125.5
25,0°	204.8	198.6	194.1	191.3	190.1	190.3	191.3	192.8	194.3	195.5	195.9	26.4	151.9
27,5°	199.8	194.0	190.6	189.8	190.5	192.5	195.2	197.9	200.0	201.7	202.1	28.9	180.8
30,0°	195.2	190.2	188.5	189.8	192.7	196.4	200.1	203.5	206.3	208.3	209.1	31.3	212.2
32,5°	190.1	186.9	187.5	190.9	195.4	199.9	204.5	208.4	211.9	214.2	215.0	33.8	246.0
35,0°	185.4	184.1	186.9	191.8	197.2	202.0	207.3	211.8	215.6	218.4	219.5	36.3	282.3
37,5°	180.7	181.6	185.8	191.4	196.6	201.5	207.1	212.4	217.4	221.0	222.3	38.8	321.1
40,0°	176.7	178.7	183.2	188.2	193.3	198.3	204.5	211.1	216.0	218.7	219.7	41.2	362.3
42,5°	172.5	174.4	178.4	183.2	188.3	194.4	202.4	209.1	210.7	209.0	208.0	43.7	406.0
45,0°	168.5	169.0	172.8	177.7	183.6	192.3	199.7	198.2	190.3	183.1	180.9	46.0	452.0
47,5°	165.7	164.8	167.4	172.3	179.5	187.1	185.5	173.5	160.7	153.4	151.6	48.2	500.1
50,0°	163.6	160.9	161.1	164.8	172.7	173.9	159.6	143.1	134.2	131.1	130.7	49.4	549.6
52,5°	159.4	154.0	152.1	158.4	164.0	151.5	131.7	119.8	116.1	115.3	115.4	50.2	599.8
55,0°	150.8	145.1	146.3	153.1	145.8	124.0	107.8	103.0	102.4	101.7	101.7	50.5	650.3
57,5°	142.8	139.6	142.5	139.0	118.5	98.1	89.8	89.0	88.6	87.5	87.4	50.3	700.6
60,0°	133.7	133.9	130.8	113.2	90.4	79.0	76.1	75.9	75.7	74.4	74.2	49.7	750.2
62,5°	121.6	118.6	103.6	83.7	70.2	66.2	64.9	64.9	65.1	63.8	63.5	48.1	798.4
65,0°	104.0	95.2	77.1	64.1	59.9	58.1	56.9	56.9	57.6	55.8	55.5	43.5	841.8
67,5°	82.3	70.1	58.1	53.2	52.4	50.9	49.3	49.4	50.1	47.9	46.8	38.6	880.4
70,0°	61.0	51.7	46.0	45.5	45.4	43.4	40.4	39.0	38.7	35.7	35.0	34.6	915.0
72,5°	43.8	39.1	37.3	37.4	36.9	33.9	30.2	28.6	27.5	24.9	24.2	30.4	945.4
75,0°	32.1	30.1	29.5	29.0	27.9	24.8	21.3	19.4	16.5	13.2	12.4	25.4	970.8
77,5°	22.1	21.5	20.5	20.2	18.7	15.1	11.1	9.0	7.4	5.4	5.2	17.0	987.8
80,0°	12.1	11.9	10.1	9.0	8.4	7.2	5.8	4.6	3.8	2.1	1.9	8.5	996.3
82,5°	5.8	5.3	4.7	4.5	4.4	3.7	3.0	2.4	1.7	1.2	1.0	2.7	999.0
85,0°	2.1	2.1	1.9	1.8	1.7	1.5	1.3	1.1	0.9	0.8	0.7	0.7	999.7
87,5°	1.1	1.1	1.1	1.0	1.0	0.9	0.8	0.7	0.7	0.7	0.7	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 micro LED	Order number: 5XE1V33T08DB EAN: 4069025149169	LP number 59539_188
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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	4940	39.1	40.8	40.0
95	238	252	4690	36.6	38.1	37.4
90	223	249	4449	34.2	35.7	35.0
85	208	247	4201	31.9	33.3	32.6
80	193	244	3946	29.7	30.9	30.3
75	179	241	3704	27.5	28.6	28.0
70	165	238	3456	25.4	26.5	26.0
65	152	235	3218	23.4	24.4	23.9
60	138	232	2958	21.3	22.2	21.8
55	125	228	2710	19.4	20.2	19.8
50	113	224	2477	17.7	18.4	18.0
45	100	220	2218	15.8	16.5	16.2
40	88	215	1973	14.1	14.6	14.4
35	76	210	1723	12.4	12.9	12.6
30	65	204	1490	10.8	11.2	11.0
25	53	197	1230	9.2	9.5	9.4
20	42	188	987	7.7	7.8	7.8
15	31	177	740	6.1	6.3	6.2
12	24	168	580	5.1	5.3	5.2

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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	5060	39.6	41.3	40.4
95	239	252	4815	37.2	38.8	38.0
90	223	249	4547	34.7	36.1	35.4
85	209	247	4307	32.5	33.9	33.2
80	194	244	4044	30.1	31.5	30.8
75	180	241	3793	28.0	29.1	28.6
70	166	238	3537	25.9	27.0	26.4
65	153	235	3294	24.0	24.9	24.4
60	139	232	3027	21.8	22.7	22.2
55	126	228	2773	19.9	20.7	20.3
50	114	225	2535	18.1	18.9	18.5
45	101	220	2271	16.2	16.8	16.5
40	89	216	2022	14.5	15.0	14.8
35	77	210	1768	12.8	13.2	13.0
30	65	204	1509	11.0	11.4	11.2
25	54	197	1267	9.4	9.8	9.6
20	43	189	1021	7.9	8.2	8.0
15	31	177	748	6.2	6.4	6.3
12	24	168	586	5.2	5.4	5.3

Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1V33T08DB EAN: 4069025149169	LP number 59539_188
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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	5010	39.3	41.0	40.2
95	238	252	4754	36.8	38.3	37.6
90	223	249	4507	34.4	35.9	35.2
85	208	247	4253	32.1	33.5	32.8
80	194	244	4011	29.9	31.3	30.6
75	180	241	3765	27.8	28.9	28.4
70	166	238	3512	25.7	26.8	26.2
65	152	235	3252	23.6	24.6	24.1
60	139	232	3007	21.7	22.5	22.1
55	126	228	2757	19.8	20.5	20.2
50	113	224	2500	17.8	18.5	18.2
45	101	220	2259	16.0	16.7	16.4
40	89	216	2012	14.3	14.9	14.6
35	77	210	1760	12.7	13.1	12.9
30	65	204	1502	10.9	11.3	11.1
25	54	197	1262	9.4	9.7	9.6
20	42	188	994	7.7	7.9	7.8
15	31	177	745	6.2	6.4	6.3
12	24	168	584	5.2	5.3	5.2

Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1V33T08DB EAN: 4069025149169	LP number 59539_188
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Luminousfluxs table



Temperature °C	Luminous flux lm	Power consumption W
25.0	4940.0	39.1
5.0	5060.0	39.6
15.0	5010.0	39.3