
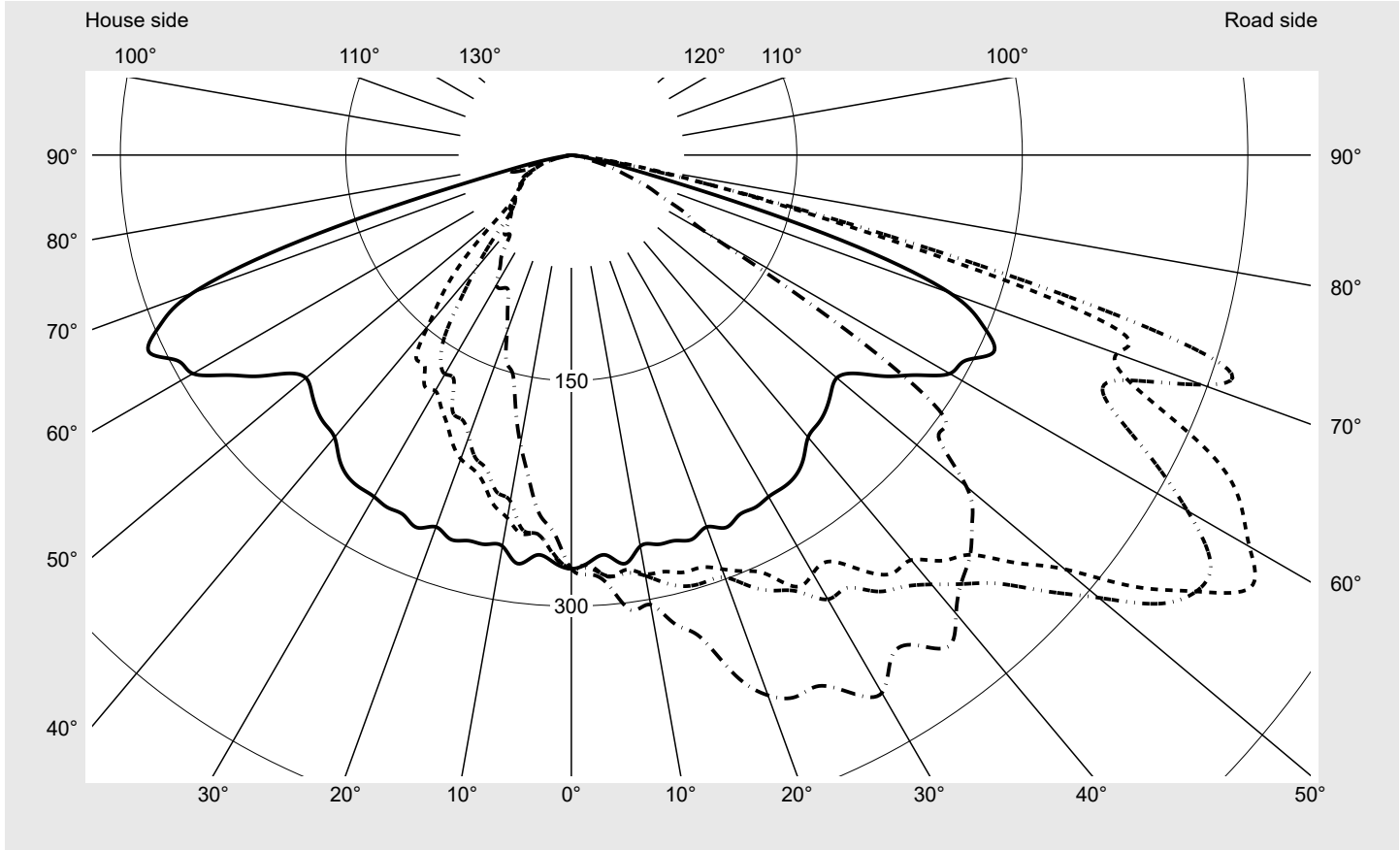


Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2E43T08JB EAN: 4058352725665	LP number 59079_68
	Version post-top or side-entry mounting, Smart Interface up/down Optic asymmetric, wide distribution (STW1.0a G) Cover toughened safety glass Lamps LED 4000 K CRI ≥ 70 Controlgear EVG-Smart Interface Rated values Net luminous flux = 13390 lm Power consumption = 87.3 W Luminous efficacy = 153.4 lm/W	serial documentation 23.08.2022



Luminous intensity in cd/klm C180-0 C200-20 C205-25 C270-90 **Imax: 535 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:	G4
Imax 70°	486.3
Imax 80°	49.2
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

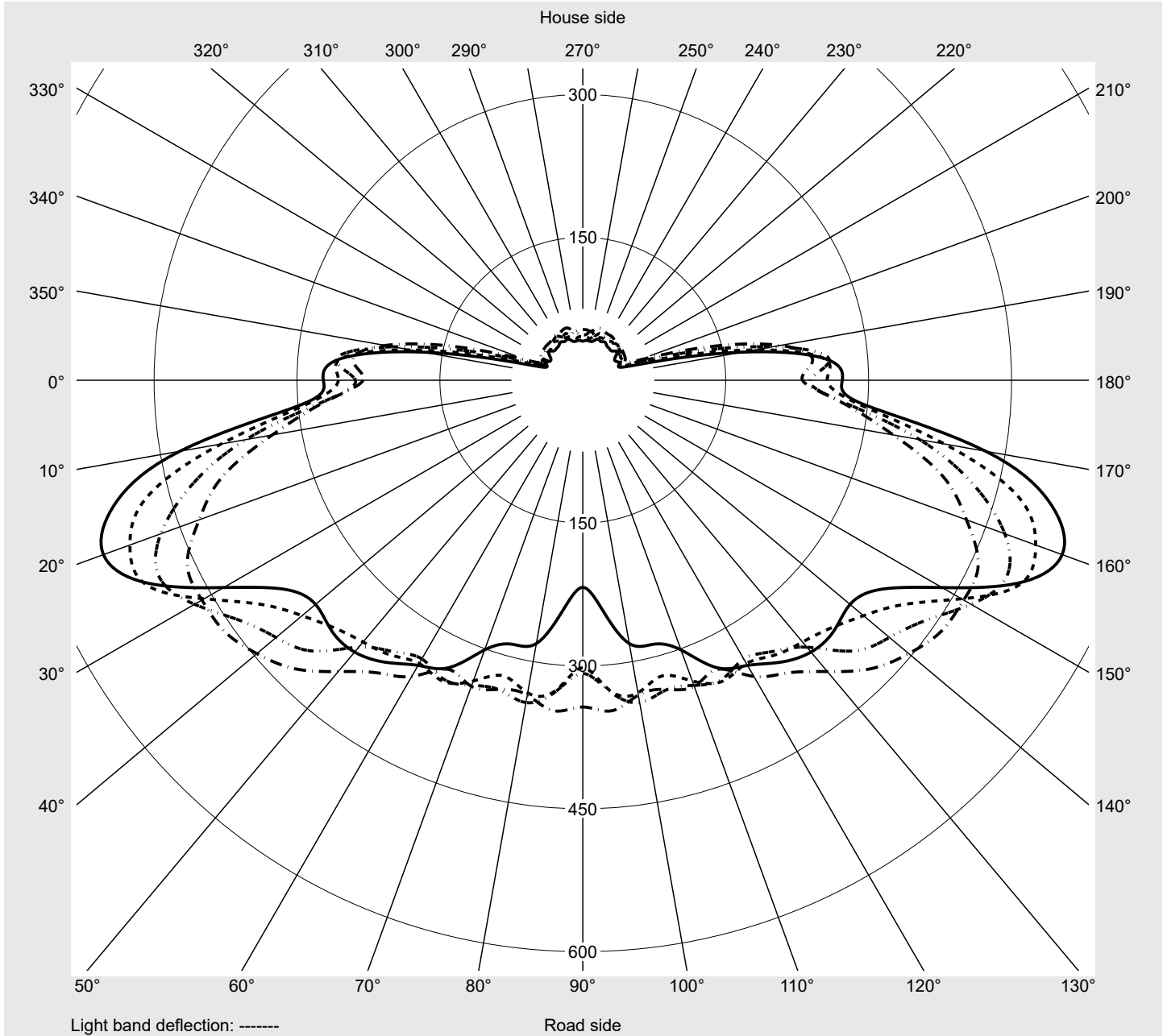
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2E43T08JB EAN: 4058352725665	LP number 59079_68
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Envelope curve in cd/klm	KMK 57.5°	KMK 55°	KMK 52.5°	KMK 50°	
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Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2E43T08JB EAN: 4058352725665	LP number 59079_68
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°	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2
2,5°	271.1	272.6	274.2	272.4	273.1	275.0	271.7	272.5	277.2	276.0	276.0	276.0	273.8
5,0°	267.1	272.9	275.2	280.1	281.5	281.2	280.8	282.7	283.1	284.1	282.6	285.7	289.7
7,5°	274.1	279.0	277.5	278.4	278.2	280.5	282.2	280.1	280.7	279.4	280.1	282.2	287.0
10,0°	264.1	267.7	274.1	281.5	282.9	284.1	284.6	289.0	288.4	289.8	289.4	296.1	298.5
12,5°	265.2	273.1	281.9	286.0	283.8	291.7	297.8	297.4	299.9	302.2	305.4	304.8	305.6
15,0°	265.5	268.6	273.1	278.4	287.3	296.8	296.7	300.7	302.2	302.6	306.1	317.4	327.7
17,5°	267.8	273.0	278.7	286.4	287.5	297.6	312.8	307.7	310.5	319.9	331.7	332.0	337.4
20,0°	263.2	276.0	283.2	285.6	293.0	298.9	314.1	316.9	322.0	337.8	350.9	349.4	357.5
22,5°	268.2	277.3	286.1	293.7	299.5	310.4	324.4	326.9	342.4	343.6	356.1	369.0	375.1
25,0°	264.1	279.2	290.5	304.6	307.6	319.6	332.9	339.3	354.0	370.6	376.6	388.5	394.7
27,5°	264.4	278.9	292.5	301.1	323.7	327.4	350.6	352.7	365.4	382.4	390.1	396.0	398.1
30,0°	262.4	282.1	299.4	304.0	321.3	341.2	351.9	364.5	376.7	390.8	402.8	403.1	399.6
32,5°	262.1	278.2	296.7	315.0	320.5	341.4	361.3	372.4	390.8	396.6	408.5	414.4	410.7
35,0°	260.2	274.8	293.4	320.6	337.1	354.3	370.4	374.9	395.6	416.3	417.7	425.9	434.6
37,5°	253.9	269.5	301.7	327.7	350.7	362.0	373.6	396.8	412.7	434.7	432.1	435.0	433.6
40,0°	245.1	278.1	306.0	330.0	351.7	372.8	391.4	402.6	422.5	443.3	435.7	438.1	439.9
42,5°	242.6	268.1	310.3	337.6	365.9	386.9	401.8	431.6	446.3	442.4	453.9	429.3	424.6
45,0°	239.5	273.8	302.3	342.4	376.0	403.2	431.8	441.1	452.0	463.2	443.3	420.5	405.7
47,5°	234.2	273.4	316.7	354.5	401.5	429.6	443.6	448.8	453.7	445.8	421.4	404.1	379.3
50,0°	230.6	273.9	331.1	391.8	428.6	458.0	461.6	459.4	446.6	428.3	399.3	375.2	359.2
52,5°	238.6	277.2	359.1	425.0	471.4	490.3	470.6	439.6	420.2	402.0	365.9	347.7	337.9
55,0°	256.6	291.5	385.6	473.5	505.9	506.7	459.0	410.7	384.7	368.1	358.8	352.1	343.4
57,5°	272.4	297.3	429.5	509.8	535.5	504.1	435.4	382.6	366.2	372.5	372.6	361.5	345.8
60,0°	290.7	312.9	440.7	516.1	520.9	473.3	391.3	379.2	399.9	420.5	391.2	362.4	336.3
62,5°	295.8	319.6	438.3	511.2	501.8	433.9	373.9	424.8	468.3	466.9	396.4	312.7	244.7
65,0°	310.0	306.1	414.0	482.8	468.6	395.4	406.6	503.6	507.9	477.9	351.8	231.9	136.1
67,5°	296.3	284.8	343.3	418.8	408.3	391.9	456.6	515.0	519.3	406.7	244.9	142.9	85.5
70,0°	267.9	221.9	267.0	347.6	386.2	446.6	482.2	486.3	474.1	299.8	141.0	105.2	59.3
72,5°	188.3	130.0	180.7	283.4	375.3	444.0	418.1	427.9	352.8	173.7	109.3	73.5	42.6
75,0°	79.5	49.5	103.3	171.0	226.3	273.0	234.3	258.1	188.4	90.8	79.5	53.3	28.4
77,5°	32.8	26.1	45.5	68.8	109.2	112.3	72.0	72.0	64.4	51.6	54.2	38.7	20.2
80,0°	12.7	11.2	13.8	29.0	49.2	38.8	18.1	12.1	17.2	27.4	33.2	21.4	13.7
82,5°	3.2	2.9	2.9	5.3	16.4	9.5	4.8	5.8	4.2	4.2	8.1	8.7	8.6
85,0°	1.0	0.7	1.0	1.2	1.0	1.3	1.2	1.3	1.3	1.2	1.1	1.3	1.4
87,5°	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.1	0.2	0.3	0.1	0.1
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: 5XE2E43T08JB EAN: 4058352725665	LP number 59079_68
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°	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2
2,5°	275.4	276.4	275.8	278.7	278.6	279.2	271.9	270.2	267.9	266.6	265.7	265.4	263.3
5,0°	286.6	286.7	285.9	286.3	284.1	287.4	264.7	262.8	256.2	253.3	253.1	251.8	249.4
7,5°	296.6	297.2	303.1	302.6	302.8	305.2	270.5	262.1	259.5	254.0	251.0	248.1	242.3
10,0°	301.8	296.6	299.1	304.9	306.9	303.6	259.4	258.2	251.7	245.1	233.7	230.0	225.1
12,5°	309.7	314.4	316.9	312.5	316.6	319.6	255.9	247.6	242.0	238.3	229.5	217.0	207.4
15,0°	330.0	333.2	335.6	336.4	331.8	332.1	257.5	245.9	237.1	225.7	216.8	209.9	200.7
17,5°	340.4	350.7	346.9	351.7	356.5	362.7	255.8	243.9	231.9	218.7	211.5	199.8	188.0
20,0°	362.8	363.2	373.1	382.4	380.6	382.4	252.3	241.2	228.1	215.1	199.2	189.6	172.4
22,5°	387.9	383.3	388.4	391.7	392.5	390.0	253.3	235.4	220.1	206.9	190.3	176.2	163.6
25,0°	395.3	398.5	402.1	400.7	402.0	389.6	250.3	227.6	210.8	196.3	187.2	166.5	152.4
27,5°	401.7	407.5	403.6	409.3	400.9	403.3	260.7	230.3	210.7	188.2	169.1	157.2	146.2
30,0°	413.5	413.1	416.0	405.9	412.5	413.1	252.2	228.6	208.9	181.1	168.2	150.9	126.5
32,5°	416.5	415.7	415.4	407.1	400.4	396.3	250.2	222.7	203.8	181.8	161.7	133.9	105.2
35,0°	424.4	420.6	411.8	403.2	413.5	397.8	239.8	214.2	199.1	170.3	146.6	110.2	83.9
37,5°	425.9	417.6	417.5	409.3	406.8	412.1	226.9	213.4	196.8	169.6	121.4	85.3	67.5
40,0°	424.1	425.5	404.9	403.6	392.5	398.2	225.0	212.7	194.7	148.3	99.2	71.0	64.3
42,5°	423.2	393.4	395.9	380.3	376.0	384.5	217.5	213.5	183.3	128.6	79.8	58.6	62.0
45,0°	389.6	380.7	368.6	371.4	374.3	375.4	224.9	214.4	166.7	108.0	62.0	58.1	54.8
47,5°	370.2	345.8	351.5	356.1	365.4	361.7	224.3	217.2	151.3	82.7	53.5	53.3	57.7
50,0°	334.9	342.1	336.0	335.7	348.4	343.1	242.2	210.6	134.8	60.0	49.0	50.8	51.6
52,5°	346.2	341.0	336.8	343.7	328.2	308.0	259.4	202.0	112.3	49.3	46.8	46.3	48.4
55,0°	348.5	336.1	321.4	333.3	327.1	301.8	255.3	183.3	89.9	43.5	43.5	43.4	45.5
57,5°	333.1	301.4	287.0	280.8	243.0	217.5	256.1	169.8	70.2	40.4	42.6	39.9	41.4
60,0°	279.1	240.3	177.8	140.7	115.6	108.0	237.5	150.4	54.0	37.7	41.5	39.6	41.3
62,5°	178.1	124.1	98.0	100.8	85.8	88.1	239.1	140.0	43.7	36.8	36.2	37.1	37.9
65,0°	99.1	83.2	78.4	82.9	69.1	68.0	241.7	135.3	46.2	32.9	35.4	35.4	34.2
67,5°	67.6	65.4	58.0	59.1	52.8	55.0	240.2	129.6	40.5	27.7	30.8	32.7	30.2
70,0°	54.9	49.1	44.3	41.8	38.6	38.8	219.4	108.6	29.5	25.1	24.9	26.1	25.9
72,5°	37.5	35.8	30.6	29.5	27.8	29.1	182.7	84.2	24.7	21.6	21.1	20.7	20.3
75,0°	27.1	24.4	19.7	18.6	15.6	14.7	95.9	46.9	22.2	15.0	16.2	15.3	14.5
77,5°	16.0	13.2	12.0	10.3	11.8	9.8	39.9	12.4	10.7	9.4	9.8	10.7	10.3
80,0°	9.9	6.2	5.3	5.1	4.8	4.8	13.7	6.5	4.8	4.8	4.6	5.9	6.2
82,5°	3.9	2.2	1.7	1.8	1.9	1.6	2.3	2.3	2.4	2.4	2.2	2.5	3.4
85,0°	0.8	0.3	0.5	0.4	0.5	0.7	1.0	0.7	0.8	0.7	0.7	0.8	0.6
87,5°	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
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: 5XE2E43T08JB EAN: 4058352725665	LP number 59079_68
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°	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	0.4	0.4
2,5°	260.8	259.8	256.9	253.8	251.0	252.2	251.9	249.9	250.5	250.2	252.4	3.2	3.6
5,0°	248.3	248.0	247.6	244.7	243.8	240.8	239.7	238.1	240.3	238.3	240.2	6.3	10.0
7,5°	237.6	230.9	229.2	228.6	224.8	222.0	219.4	218.6	215.7	216.7	216.9	9.4	19.3
10,0°	221.3	214.6	208.2	202.9	198.7	198.8	199.0	198.0	198.2	198.1	195.2	12.2	31.5
12,5°	203.7	196.8	192.2	183.7	183.6	182.0	181.0	176.7	174.1	172.2	171.5	15.0	46.5
15,0°	186.5	178.0	176.2	169.6	166.7	160.1	155.8	154.1	151.7	150.9	150.6	17.7	64.2
17,5°	176.1	167.1	157.8	153.5	148.4	147.6	144.8	144.9	145.1	146.7	143.8	20.7	84.8
20,0°	164.3	155.9	149.9	146.2	140.9	137.2	131.6	130.4	128.3	126.9	124.9	23.6	108.5
22,5°	154.2	146.7	140.2	130.7	122.7	116.4	112.1	109.0	111.6	108.2	110.7	26.4	134.9
25,0°	142.1	130.1	120.6	106.7	103.3	95.5	98.8	96.4	97.5	97.4	99.3	29.1	164.0
27,5°	123.7	109.6	92.1	90.5	86.8	87.4	88.0	94.3	96.2	99.4	99.8	31.7	195.7
30,0°	104.3	88.4	83.4	81.7	84.9	91.2	91.8	95.1	93.2	95.8	99.4	34.4	230.1
32,5°	81.6	73.6	73.0	73.4	77.3	81.3	81.6	84.1	86.0	82.6	88.3	36.5	266.6
35,0°	69.6	66.2	65.4	69.0	64.3	66.1	67.8	70.2	73.5	73.0	80.2	38.6	305.2
37,5°	70.3	69.8	68.3	63.8	63.8	59.8	62.3	66.0	64.0	64.6	67.3	41.0	346.2
40,0°	65.5	66.3	67.3	63.3	62.7	67.0	69.6	69.2	66.5	65.0	68.9	43.2	389.4
42,5°	64.0	62.1	68.3	59.5	72.1	75.8	71.4	68.4	64.4	63.6	62.6	45.0	434.4
45,0°	58.5	58.8	65.2	59.8	62.5	64.7	64.0	60.4	60.0	57.6	57.0	46.3	480.6
47,5°	53.8	57.1	57.5	58.4	56.9	59.5	56.5	57.2	57.7	57.2	54.4	47.2	527.9
50,0°	52.4	52.7	52.9	54.9	55.1	55.6	57.4	56.4	52.2	52.9	53.2	48.3	576.2
52,5°	50.2	51.8	51.5	52.5	53.4	50.3	52.2	48.7	52.1	48.7	47.6	49.5	625.7
55,0°	47.0	47.2	50.2	49.9	48.0	48.9	47.8	47.7	44.7	45.8	45.7	50.6	676.3
57,5°	46.6	43.4	43.3	44.0	46.3	44.9	46.0	42.7	41.6	42.0	41.1	50.5	726.8
60,0°	39.7	40.8	39.5	40.4	40.2	41.0	40.9	42.6	41.2	41.2	39.3	48.0	774.8
62,5°	36.9	38.6	35.2	36.9	36.9	36.9	37.6	37.2	37.3	37.5	36.1	45.8	820.6
65,0°	33.7	36.6	36.0	30.8	34.2	31.7	33.6	34.0	34.8	34.2	33.8	43.9	864.4
67,5°	30.7	30.9	31.1	30.5	30.9	30.4	30.0	32.6	33.0	32.5	32.0	40.1	904.6
70,0°	24.9	27.9	27.6	27.1	28.7	24.9	27.3	28.1	30.3	29.7	29.0	35.7	940.2
72,5°	20.6	22.8	23.9	24.1	24.1	24.0	23.7	24.0	28.1	31.5	34.3	29.2	969.4
75,0°	16.2	18.4	21.1	21.3	20.4	20.7	19.2	19.2	26.6	34.8	38.2	17.7	987.1
77,5°	10.5	11.5	15.4	16.1	16.5	15.0	14.2	12.3	12.7	7.0	5.2	8.0	995.1
80,0°	7.0	7.3	9.5	11.3	13.1	11.1	7.6	9.0	5.4	1.0	1.0	3.5	998.6
82,5°	3.1	4.6	5.5	6.4	6.3	4.6	4.5	3.8	1.9	0.6	0.3	1.2	999.7
85,0°	0.9	0.9	0.9	1.0	0.9	0.8	0.7	0.7	0.2	0.1	0.0	0.2	1000.0
87,5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: 5XE2E43T08JB EAN: 4058352725665	LP number 59079_68
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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	13390	87.3	90.3	88.8
95	239	252	12736	82.1	84.9	83.5
90	224	249	12064	76.9	79.4	78.2
85	209	247	11377	71.7	74.1	72.9
80	195	244	10715	66.8	69.1	67.9
75	181	242	10037	62.1	64.1	63.1
70	167	239	9350	57.4	59.2	58.3
65	154	236	8702	53.0	54.7	53.8
60	141	232	8041	48.6	50.2	49.4
55	128	229	7370	44.3	45.7	45.0
50	115	225	6681	40.0	41.3	40.6
45	103	221	6035	36.1	37.2	36.7
40	91	216	5378	32.1	33.1	32.6
35	79	211	4711	28.2	29.0	28.6
30	67	205	4034	24.3	25.0	24.6
25	55	198	3347	20.4	21.0	20.7
20	43	189	2651	16.5	17.0	16.8
15	32	178	2005	13.0	13.3	13.2
15	31	177	1945	12.7	13.0	12.8

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	13810	88.4	91.4	89.9
95	239	252	13114	83.1	85.9	84.5
90	225	250	12453	78.1	80.8	79.4
85	210	247	11729	73.0	75.4	74.2
80	196	245	11037	68.1	70.4	69.2
75	183	242	10381	63.6	65.6	64.6
70	169	239	9667	58.8	60.7	59.8
65	156	236	8996	54.4	56.2	55.3
60	143	233	8312	50.0	51.6	50.8
55	130	229	7620	45.6	47.0	46.3
50	117	226	6912	41.3	42.6	42.0
45	104	221	6194	37.0	38.1	37.6
40	92	217	5522	32.9	33.9	33.4
35	80	212	4841	28.9	29.8	29.4
30	68	206	4151	25.0	25.8	25.4
25	56	199	3451	21.0	21.6	21.3
20	44	190	2745	17.1	17.6	17.4
15	33	179	2089	13.5	13.9	13.7
14	31	177	1969	12.9	13.2	13.0

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2E43T08JB EAN: 4058352725665	LP number 59079_68
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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	13620	87.8	90.8	89.3
95	239	252	12943	82.6	85.4	84.0
90	224	249	12252	77.3	79.9	78.6
85	210	247	11592	72.5	74.9	73.7
80	196	245	10915	67.7	69.9	68.8
75	182	242	10222	62.9	64.9	63.9
70	168	239	9520	58.1	60.0	59.0
65	155	236	8860	53.7	55.4	54.6
60	142	233	8186	49.3	50.9	50.1
55	129	229	7503	44.9	46.4	45.6
50	116	225	6804	40.6	41.9	41.2
45	104	221	6149	36.7	37.8	37.2
40	91	216	5428	32.3	33.4	32.8
35	79	211	4754	28.4	29.2	28.8
30	67	205	4068	24.5	25.2	24.8
25	56	199	3432	20.8	21.5	21.2
20	44	190	2731	17.0	17.5	17.2
15	32	178	2019	13.1	13.4	13.2
14	31	177	1960	12.8	13.1	13.0

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2E43T08JB EAN: 4058352725665	LP number 59079_68
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Luminousfluxs table



Temperature °C	Luminous flux lm	Power consumption W
25.0	13390.0	87.3
5.0	13810.0	88.4
15.0	13620.0	87.8