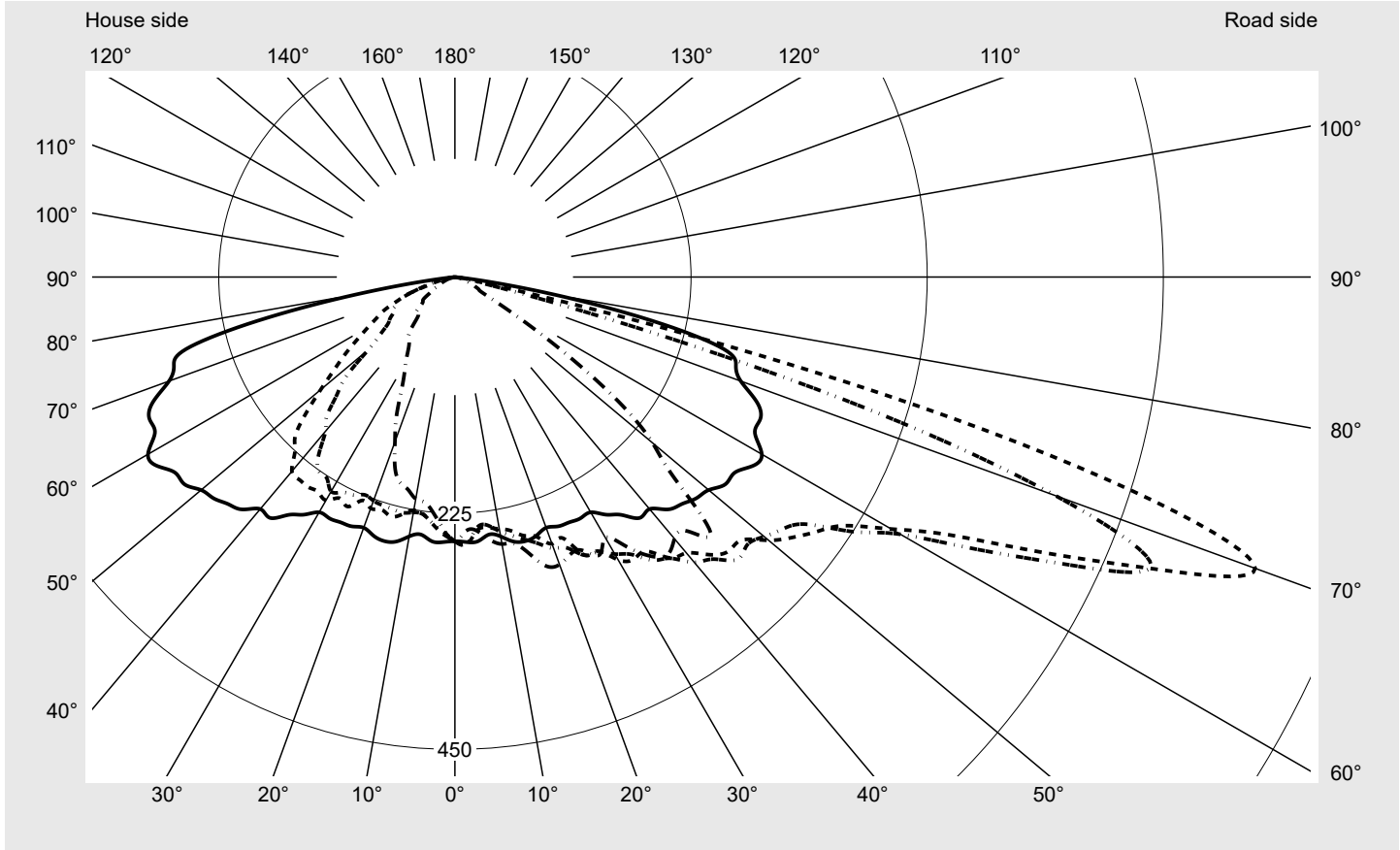


Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2M31V08GB EAN: 4058352910177	LP number 59152_1261
	Version post-top or side-entry mounting, Smart Interface up Optic asymmetric, wide distribution (ST1.0a), Back Light Control (BLC) Cover toughened safety glass Lamps LED 3000 K CRI ≥ 70 Controlgear EVG SITECO iQ - Smart Interface Rated values Net luminous flux = 5270 lm Power consumption = 39.8 W Luminous efficacy = 132.4 lm/W	serial documentation 11.08.2023



Luminous intensity in cd/klm C180-0 C205-25 C210-30 C270-90 **Imax: 811 cd/klm**



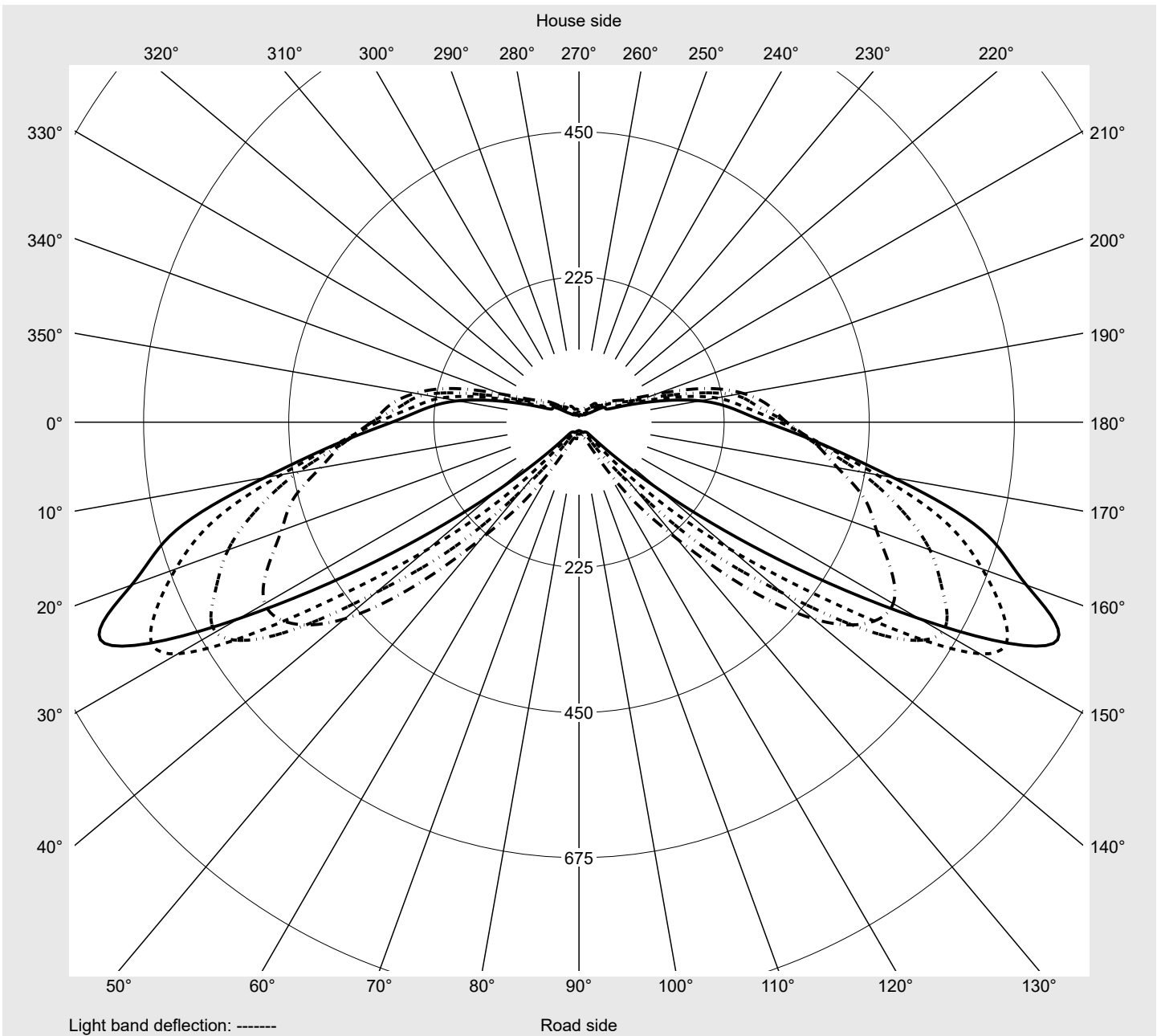
Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%
Measurement conditions	
DIN EN 13032 and DIN 5032	

Luminous intensity class acc. to EN13201-2	
Class:	G3
Imax 70°	811.4
Imax 80°	97.1
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2M31V08GB EAN: 4058352910177	LP number 59152_1261
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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: 5XE2M31V08GB EAN: 4058352910177	LP number 59152_1261
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°	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7
2,5°	252.7	252.6	255.1	255.9	254.5	255.0	254.0	252.2	251.7	247.4	245.6	244.7	243.6
5,0°	252.7	247.6	244.8	246.2	244.1	242.4	239.8	236.2	239.7	236.4	232.5	233.6	234.3
7,5°	247.5	246.2	247.0	241.4	241.5	240.8	238.5	238.2	237.0	239.8	242.0	244.4	244.4
10,0°	250.9	251.6	254.7	244.8	240.1	243.6	246.0	248.9	247.1	245.5	243.2	248.5	256.4
12,5°	258.1	251.0	248.5	247.9	244.5	247.6	252.4	251.2	250.3	256.2	259.5	260.6	263.5
15,0°	260.4	253.2	248.3	249.4	250.9	255.1	259.0	261.5	258.8	265.7	270.2	267.9	269.6
17,5°	258.3	257.3	247.8	248.7	251.9	259.5	266.5	266.0	275.2	277.4	277.3	277.8	286.1
20,0°	254.1	250.5	251.9	255.9	262.1	270.4	275.0	276.8	276.7	279.1	278.4	285.9	281.5
22,5°	257.0	252.2	255.3	268.1	272.7	269.3	279.3	285.9	287.4	287.8	284.5	282.2	286.1
25,0°	257.8	257.2	270.3	273.8	283.2	292.2	292.5	297.3	302.1	298.9	293.3	289.8	292.8
27,5°	259.1	258.9	269.3	275.9	290.3	294.3	295.3	301.0	295.9	293.4	289.9	296.4	293.1
30,0°	258.8	273.0	282.5	292.7	295.7	311.0	304.7	312.4	300.4	305.3	301.8	299.0	302.9
32,5°	268.4	281.3	284.7	297.6	311.2	318.2	313.4	319.9	315.8	313.8	308.7	313.3	302.9
35,0°	276.6	287.2	295.6	296.7	309.7	318.9	329.3	329.7	312.6	320.8	315.6	320.8	316.5
37,5°	289.2	297.8	300.2	316.3	319.7	337.4	337.7	332.8	327.5	323.7	318.9	318.2	332.2
40,0°	288.5	305.0	310.1	313.4	327.9	343.2	354.8	344.9	337.5	333.4	324.7	347.2	341.1
42,5°	300.3	309.6	317.1	332.9	343.7	358.8	364.5	353.0	347.4	337.7	344.4	349.5	356.9
45,0°	305.8	317.1	325.5	333.0	349.1	369.1	380.6	362.0	354.6	368.9	366.8	388.4	383.2
47,5°	312.0	313.3	325.1	341.9	368.3	370.8	377.7	368.2	368.3	388.5	397.5	390.1	382.7
50,0°	315.7	324.5	327.1	342.0	370.4	390.2	384.7	382.7	398.7	421.6	412.3	380.7	354.1
52,5°	324.5	324.8	337.8	340.4	373.5	407.0	394.1	398.2	435.2	435.4	412.2	358.0	310.7
55,0°	325.2	339.0	343.2	354.4	370.6	422.3	410.7	440.5	443.3	424.3	372.3	320.6	285.2
57,5°	335.5	346.3	354.6	362.1	389.2	440.8	451.8	462.3	460.2	409.5	351.4	299.4	233.2
60,0°	337.7	358.8	382.6	394.8	422.9	480.1	490.2	493.0	465.8	401.4	305.0	234.6	170.2
62,5°	322.3	366.3	407.2	458.3	491.0	532.4	562.5	543.7	474.1	356.4	235.0	151.7	80.7
65,0°	320.9	365.9	441.4	515.0	579.1	622.5	650.4	576.3	411.2	274.5	136.3	61.5	26.5
67,5°	311.5	375.7	468.6	584.1	665.5	729.3	718.0	501.2	307.7	161.4	52.8	22.8	20.7
70,0°	289.9	375.0	494.5	646.3	738.3	811.4	609.3	353.6	163.9	60.9	24.9	18.9	17.3
72,5°	280.7	388.9	529.3	634.1	740.9	675.2	389.9	143.3	60.4	27.9	16.8	16.0	15.2
75,0°	265.2	365.2	466.4	531.9	584.7	383.0	130.8	41.7	27.5	17.8	14.0	12.8	11.6
77,5°	192.5	248.8	264.2	279.3	239.7	78.3	24.8	16.9	12.2	9.5	10.3	8.9	7.8
80,0°	95.5	89.9	86.1	97.1	65.8	14.7	10.3	5.9	5.3	5.7	6.8	5.1	5.0
82,5°	25.0	19.4	13.4	7.5	11.9	4.8	3.8	3.1	3.0	2.4	2.7	2.7	2.2
85,0°	1.0	1.6	1.6	1.3	1.4	1.6	1.4	1.2	1.4	0.9	1.2	0.9	1.0
87,5°	0.4	0.4	0.4	0.5	0.5	0.5	0.3	0.6	0.5	0.4	0.4	0.4	0.4
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: 5XE2M31V08GB EAN: 4058352910177	LP number 59152_1261
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°	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7
2,5°	243.6	243.2	243.3	241.2	240.5	242.2	250.2	248.9	247.1	245.4	245.5	243.3	240.0
5,0°	234.1	234.7	239.6	243.4	242.3	242.8	249.9	251.9	245.5	241.3	236.8	236.2	233.4
7,5°	243.7	243.8	244.1	247.6	248.9	252.1	248.0	241.8	234.4	231.7	228.2	228.4	225.5
10,0°	257.2	254.6	250.4	251.4	252.5	258.3	242.9	242.6	235.3	228.9	225.6	227.8	225.5
12,5°	261.6	262.7	263.6	260.7	258.4	260.1	257.9	249.1	241.8	233.6	231.4	229.9	224.5
15,0°	273.9	274.4	275.1	277.9	277.1	272.5	263.7	252.8	241.7	241.0	236.1	228.8	219.4
17,5°	276.7	270.5	275.6	275.9	279.5	288.6	260.3	251.3	244.9	237.3	232.4	228.0	216.6
20,0°	285.2	286.3	287.4	283.7	284.5	291.4	254.3	265.1	245.3	240.9	234.4	226.8	227.8
22,5°	290.7	287.8	282.6	280.9	284.6	286.4	258.8	258.1	247.1	240.8	230.3	224.6	223.8
25,0°	290.9	287.2	284.9	293.2	285.2	287.3	253.7	262.3	252.9	244.0	241.3	229.1	223.8
27,5°	289.3	299.7	289.5	293.7	287.8	298.4	247.8	259.9	263.0	254.6	237.6	231.2	222.7
30,0°	304.3	292.9	297.5	300.8	300.7	286.7	261.7	260.3	261.4	242.3	245.5	235.9	219.5
32,5°	305.9	308.9	297.2	312.5	307.7	304.5	270.7	266.6	261.3	257.8	242.7	227.1	210.7
35,0°	312.3	315.7	323.4	321.9	326.7	324.5	274.1	271.0	269.6	262.0	244.2	226.0	186.2
37,5°	342.6	338.0	331.5	344.3	331.4	333.1	273.8	276.4	276.8	258.8	243.4	213.1	165.6
40,0°	350.0	346.7	344.9	344.4	337.9	325.4	288.1	279.6	275.1	264.7	241.7	191.8	147.8
42,5°	364.9	348.0	345.2	345.9	342.0	328.4	291.2	281.7	286.2	261.6	225.5	181.1	134.3
45,0°	364.0	353.2	344.2	344.8	339.4	344.7	297.8	279.5	275.9	253.2	215.4	159.3	121.5
47,5°	357.3	337.5	304.9	296.2	280.5	284.0	305.0	284.6	285.2	249.7	192.9	141.3	109.9
50,0°	314.0	275.9	263.2	255.3	247.2	245.9	311.3	293.6	273.0	229.3	166.9	107.3	88.1
52,5°	278.1	253.7	229.4	220.1	205.6	201.2	315.6	297.5	264.7	208.9	144.9	89.3	79.1
55,0°	239.5	201.5	165.8	154.9	144.9	137.0	312.2	294.2	259.8	194.6	127.1	78.0	74.1
57,5°	183.6	138.9	110.6	88.6	79.1	74.1	313.5	287.5	236.2	170.2	109.8	73.2	66.2
60,0°	111.5	71.4	46.5	37.5	35.2	32.8	311.2	271.5	216.0	147.6	95.5	67.8	62.2
62,5°	42.8	28.4	25.5	26.0	25.5	25.7	295.3	257.9	201.5	127.0	83.6	67.2	53.8
65,0°	23.4	23.1	22.8	23.5	21.6	21.4	278.4	243.5	170.0	104.7	73.6	60.2	48.1
67,5°	20.9	19.5	18.9	18.8	18.6	18.7	259.7	216.3	148.1	85.9	59.1	57.9	41.2
70,0°	17.3	16.9	14.9	14.9	13.3	13.2	239.7	190.8	125.8	74.2	47.9	45.9	33.0
72,5°	14.5	13.7	11.8	11.8	9.4	10.7	215.6	168.6	110.3	54.9	29.2	33.4	25.5
75,0°	10.2	9.6	8.6	7.6	7.1	8.2	187.2	114.4	77.4	24.7	20.0	22.7	19.4
77,5°	6.8	6.5	5.6	5.4	5.0	4.8	100.2	23.1	17.9	7.8	11.3	11.5	11.8
80,0°	3.9	4.2	3.1	3.3	3.8	3.3	40.0	7.2	6.0	5.2	7.0	6.8	6.4
82,5°	2.1	2.1	1.7	2.3	1.9	1.6	10.0	3.5	3.0	2.4	3.3	3.1	2.9
85,0°	0.8	1.0	0.6	0.7	0.6	0.6	1.5	1.2	1.1	1.1	1.1	1.3	1.1
87,5°	0.4	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.2	0.4	0.3	0.2	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: 5XE2M31V08GB EAN: 4058352910177	LP number 59152_1261
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°	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	0.4	0.4
2,5°	240.3	241.6	238.8	237.8	237.5	239.7	242.6	244.7	244.9	242.1	241.0	2.9	3.3
5,0°	228.5	228.0	227.0	225.7	228.3	227.7	229.0	226.6	226.4	225.7	226.7	5.7	9.0
7,5°	228.3	226.6	219.5	221.8	216.9	216.1	216.6	215.9	217.8	218.5	216.7	8.4	17.4
10,0°	218.6	215.1	214.8	214.4	213.9	212.4	209.8	207.9	207.4	213.1	214.6	11.2	28.6
12,5°	222.9	224.9	218.4	214.2	208.1	211.3	215.6	212.9	208.3	206.4	207.2	14.2	42.8
15,0°	213.8	216.2	213.4	214.0	210.7	206.1	202.7	200.1	201.7	201.8	202.6	17.2	60.1
17,5°	213.2	212.5	216.4	210.3	205.3	203.3	199.8	189.2	192.6	193.9	189.9	20.1	80.2
20,0°	221.3	208.9	205.5	200.6	189.2	182.7	179.3	173.8	164.6	163.6	167.0	22.8	102.9
22,5°	220.7	214.8	198.3	184.9	172.2	159.3	158.7	146.8	146.8	144.1	146.6	25.2	128.1
25,0°	217.0	197.4	182.7	161.6	153.9	143.9	140.8	132.9	136.9	126.6	121.7	27.8	155.9
27,5°	207.1	180.6	159.0	145.7	138.5	128.8	124.3	119.3	110.8	107.1	104.5	29.9	185.9
30,0°	187.4	164.9	146.0	133.8	122.6	115.2	100.8	101.8	98.2	93.7	93.5	32.4	218.3
32,5°	173.5	148.1	134.8	114.4	104.9	102.5	95.5	91.7	86.3	82.3	83.0	35.0	253.3
35,0°	154.6	136.4	115.1	101.4	100.1	95.8	89.4	82.3	80.9	75.6	76.0	37.5	290.8
37,5°	136.6	117.1	104.1	96.7	95.3	87.5	84.6	81.1	77.0	76.2	72.8	40.4	331.2
40,0°	121.4	107.1	99.6	91.1	89.3	82.0	77.5	73.8	68.3	66.8	65.6	42.9	374.0
42,5°	113.6	96.2	91.9	86.0	85.0	79.7	71.7	68.0	59.4	56.2	53.6	45.4	419.4
45,0°	100.6	90.9	85.7	81.0	74.3	66.6	57.9	54.8	51.6	51.5	49.7	47.7	467.1
47,5°	93.6	83.1	73.5	70.4	63.4	53.5	51.8	47.0	51.1	49.2	51.2	48.6	515.7
50,0°	84.1	73.4	60.5	61.0	52.7	47.5	47.1	44.9	45.0	43.7	42.9	48.6	564.3
52,5°	75.3	64.9	55.6	50.1	46.6	40.8	42.4	40.3	40.5	36.3	38.4	48.6	613.0
55,0°	64.4	54.4	47.2	42.8	42.1	38.4	38.0	35.6	33.6	34.1	36.2	47.5	660.5
57,5°	53.1	46.8	44.4	39.8	37.9	35.5	33.5	33.2	32.2	31.5	28.2	46.2	706.7
60,0°	44.6	40.4	41.3	35.5	32.0	30.9	30.1	30.0	29.4	28.7	24.4	44.7	751.4
62,5°	40.0	38.3	37.9	30.7	28.1	26.9	22.0	20.8	20.6	19.4	17.2	44.1	795.5
65,0°	37.9	33.8	30.2	24.9	21.3	19.0	18.2	16.5	16.8	16.2	14.2	43.7	839.1
67,5°	30.5	27.2	21.8	17.6	15.1	15.1	14.7	14.6	14.7	13.4	12.3	42.8	881.9
70,0°	22.9	18.7	15.1	14.0	13.3	12.0	11.9	12.1	11.4	11.7	9.5	40.0	921.9
72,5°	18.9	15.1	13.3	11.8	10.6	9.5	8.2	7.9	7.5	7.0	7.5	34.4	956.3
75,0°	14.0	11.5	8.9	9.5	7.5	5.9	4.0	4.3	4.2	3.7	3.9	25.3	981.7
77,5°	10.3	7.2	5.6	5.4	3.9	2.9	2.4	2.5	1.9	2.4	2.1	12.3	994.0
80,0°	6.0	3.9	3.0	2.5	1.9	1.4	1.2	0.9	1.0	0.9	1.0	4.6	998.6
82,5°	2.5	1.9	0.8	0.6	0.7	0.4	0.3	0.2	0.3	0.4	0.4	1.1	999.7
85,0°	0.9	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	999.9
87,5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2M31V08GB EAN: 4058352910177	LP number 59152_1261
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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	5270	39.8	41.2	40.5
95	241	252	5000	37.3	38.6	38.0
90	229	250	4751	35.0	36.3	35.6
85	216	248	4482	32.7	33.8	33.2
80	203	246	4212	30.4	31.4	30.9
75	190	243	3942	28.1	29.1	28.6
70	178	241	3693	26.1	27.0	26.6
65	165	238	3423	24.0	24.8	24.4
60	152	235	3154	21.9	22.7	22.3
55	140	232	2905	20.0	20.7	20.4
50	127	229	2635	18.0	18.7	18.4
45	114	225	2365	16.1	16.6	16.4
40	102	221	2116	14.3	14.8	14.6
35	89	216	1847	12.5	12.9	12.7
30	76	210	1577	10.7	11.0	10.8
25	63	203	1307	8.9	9.2	9.0
20	51	195	1058	7.3	7.5	7.4
15	38	184	788	5.6	5.8	5.7
10	25	169	519	4.0	4.1	4.0
9	24	168	498	3.8	4.0	3.9

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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	5270	39.4	40.5	40.0
95	241	252	5000	36.9	38.0	37.4
90	229	250	4751	34.7	35.7	35.2
85	216	248	4481	32.4	33.4	32.9
80	203	246	4212	30.2	31.1	30.6
75	191	244	3963	28.2	29.0	28.6
70	178	241	3693	26.1	26.7	26.4
65	165	238	3423	23.9	24.6	24.2
60	152	235	3154	21.8	22.5	22.2
55	140	232	2905	20.0	20.5	20.2
50	127	229	2635	18.1	18.5	18.3
45	114	225	2365	16.1	16.5	16.3
40	102	221	2116	14.3	14.7	14.5
35	89	216	1846	12.5	12.8	12.6
30	76	210	1577	10.7	11.0	10.8
25	64	204	1328	9.0	9.2	9.1
20	51	195	1058	7.3	7.5	7.4
15	38	184	788	5.7	5.8	5.8
10	25	169	519	4.0	4.1	4.0
9	24	168	498	3.9	3.9	3.9

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2M31V08GB EAN: 4058352910177	LP number 59152_1261
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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	5270	39.5	40.8	40.2
95	241	252	5000	37.0	38.2	37.6
90	229	250	4751	34.8	36.0	35.4
85	216	248	4481	32.6	33.6	33.1
80	203	246	4212	30.2	31.2	30.7
75	191	244	3963	28.2	29.1	28.6
70	178	241	3693	26.0	26.9	26.4
65	165	238	3423	23.9	24.7	24.3
60	152	235	3154	21.9	22.5	22.2
55	140	232	2905	20.0	20.6	20.3
50	127	229	2635	18.0	18.6	18.3
45	114	225	2365	16.1	16.6	16.4
40	102	221	2116	14.3	14.7	14.5
35	89	216	1847	12.5	12.9	12.7
30	76	210	1577	10.7	11.0	10.8
25	64	204	1328	9.1	9.3	9.2
20	51	195	1058	7.3	7.5	7.4
15	38	184	788	5.6	5.7	5.6
10	25	169	519	4.0	4.1	4.0
9	24	168	498	3.8	3.9	3.8

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2M31V08GB EAN: 4058352910177	LP number 59152_1261
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Luminousfluxs table **sITeco**

Temperature °C	Luminous flux lm	Power consumption W
25.0	5270.0	39.8
5.0	5270.0	39.4
15.0	5270.0	39.5