

Photometric test report

Family
Streetlight 21 mini easy LED

Order number: 5XE6M33A08JB
EAN: 4058352683385

LP number
59158_71



Version	post-top or side-entry mounting
Optic	asymmetric, wide distribution (ST1.0a G), Back Light Control (BLC)
Cover	toughened safety glass
Lamps	LED 3000 K CRI ≥ 70
Controlgear	ECG DIM
Rated values	Net luminous flux = 11290 lm Power consumption = 87.3 W Luminous efficacy = 129.3 lm/W

serial
documentation
23.08.2022

sitEco

Luminous intensity in cd/klm

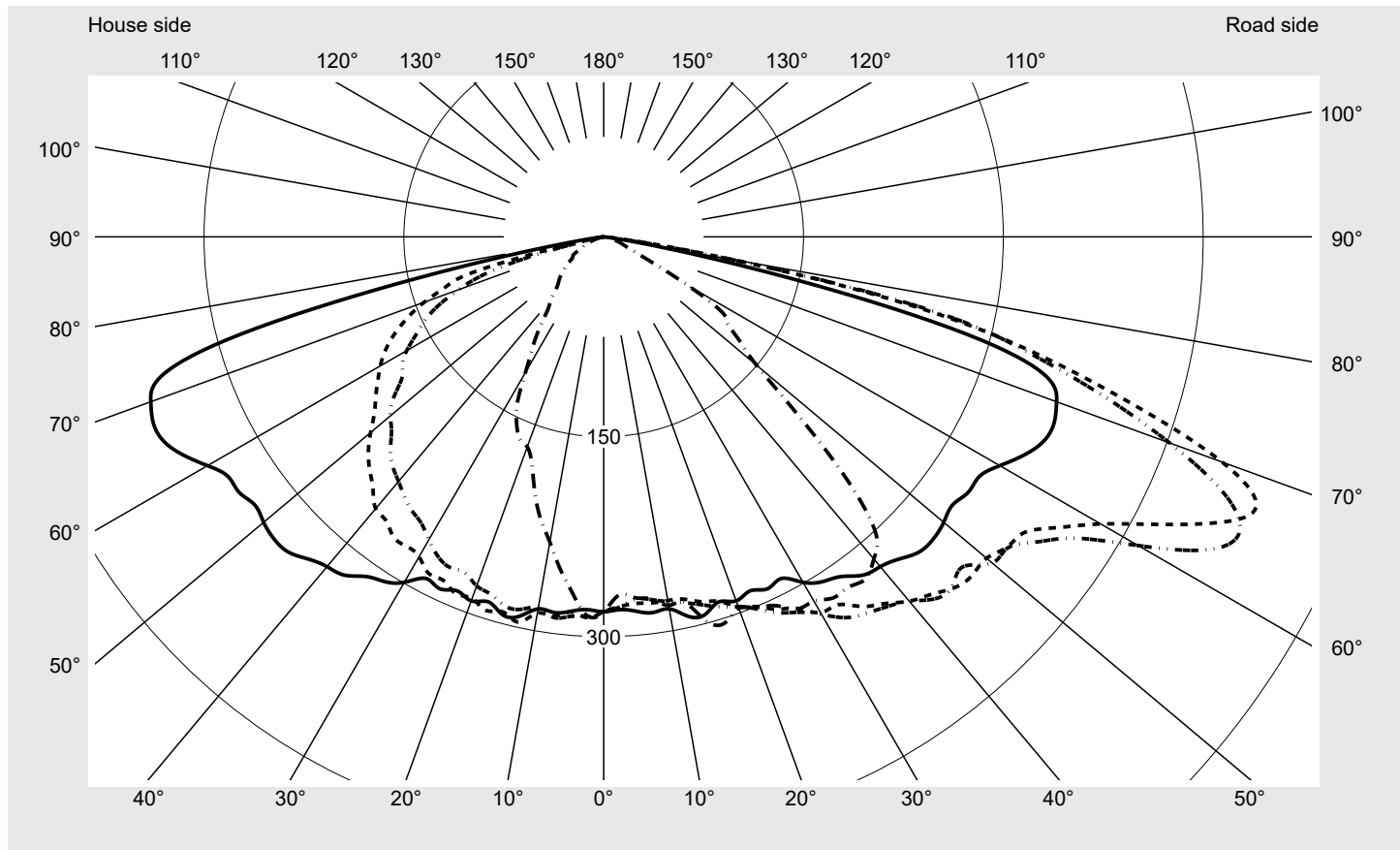
C180-0

C195-15

C200-20

C270-90

Imax: 530 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°	494.0
Imax 80°	97.3
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

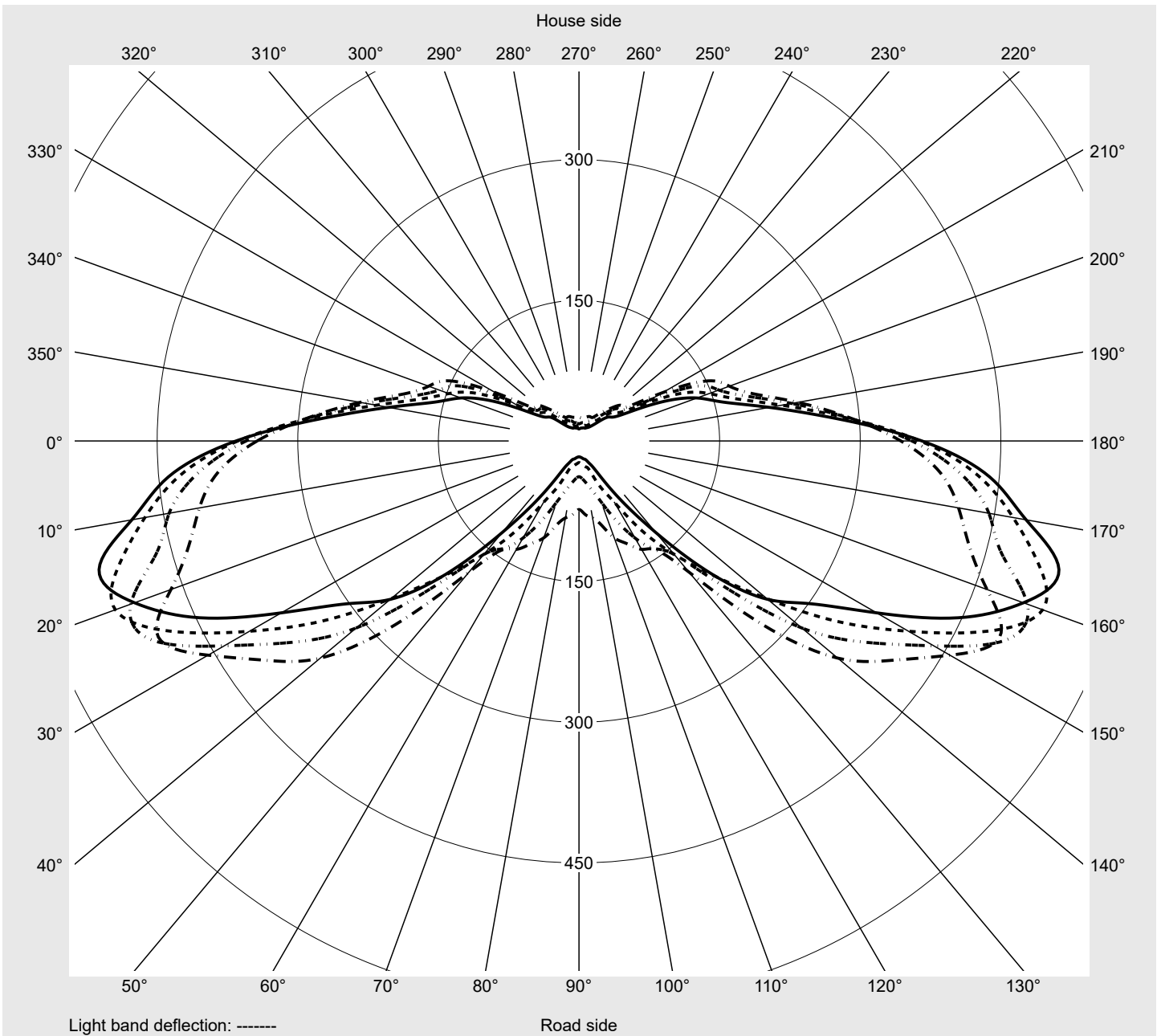
Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm **KMK 67.5°** **KMK 65°** **KMK 62.5°** **KMK 60°** **siteco**



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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°	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3
2,5°	280.0	279.5	279.2	277.7	277.9	277.2	277.5	277.2	275.6	274.9	274.1	272.2	271.9
5,0°	282.0	279.0	278.0	276.1	272.9	271.2	268.2	269.1	269.6	270.1	269.8	269.1	270.9
7,5°	284.3	282.5	280.2	277.0	274.6	269.8	270.2	271.2	274.2	276.9	275.3	277.1	278.7
10,0°	283.5	278.8	278.9	277.1	277.9	275.3	275.0	274.3	277.9	276.8	278.3	280.6	285.6
12,5°	291.5	283.0	278.6	278.5	281.2	284.6	289.1	289.5	285.3	284.2	286.1	285.7	287.3
15,0°	293.5	287.3	282.6	283.4	285.9	287.5	291.2	291.6	289.1	290.7	289.2	288.4	292.5
17,5°	287.2	283.0	284.7	286.8	291.0	295.5	294.3	295.6	291.9	292.9	293.3	291.2	291.8
20,0°	290.7	291.7	292.2	295.1	295.4	298.3	298.7	298.0	297.8	295.7	296.5	296.5	299.4
22,5°	287.5	290.7	295.2	300.3	302.4	303.2	304.2	303.3	305.0	303.4	306.4	303.6	308.2
25,0°	291.3	293.7	300.6	308.4	311.2	310.2	305.1	310.6	315.6	314.0	311.9	310.8	313.1
27,5°	289.0	299.0	309.0	314.3	317.6	319.7	315.4	321.2	315.6	313.1	310.8	312.4	317.4
30,0°	299.3	307.0	319.6	325.6	327.2	326.9	321.7	323.1	317.8	323.1	319.9	314.6	319.2
32,5°	306.6	316.1	327.3	327.3	338.8	336.8	328.0	332.2	327.0	328.7	324.9	323.3	321.4
35,0°	311.1	323.0	331.4	338.6	344.6	341.3	340.8	340.2	334.2	335.6	333.1	338.0	343.9
37,5°	319.9	329.0	340.9	346.8	349.7	351.4	343.0	340.3	343.7	357.2	349.0	349.3	350.7
40,0°	323.1	341.3	350.9	356.9	356.9	355.3	348.8	348.2	355.8	358.7	355.6	359.4	347.1
42,5°	328.0	352.6	360.8	363.9	368.3	358.2	356.2	364.4	370.1	370.9	367.6	359.1	344.9
45,0°	334.6	357.9	364.8	372.3	370.2	361.6	366.2	373.8	385.7	385.3	368.9	360.6	349.9
47,5°	335.6	361.2	371.9	375.5	366.2	374.6	379.7	390.8	395.5	392.9	373.7	358.5	330.6
50,0°	333.2	358.6	375.4	375.2	380.7	383.0	391.4	407.7	423.6	398.5	367.7	329.8	282.7
52,5°	330.3	358.8	373.2	382.1	382.9	396.7	409.7	434.6	441.4	401.3	350.0	291.1	233.7
55,0°	334.1	363.5	378.1	386.3	398.8	423.8	441.5	441.1	420.3	385.7	309.2	234.7	184.4
57,5°	334.5	363.0	386.9	405.8	420.8	451.3	460.8	432.9	394.6	333.1	244.9	182.0	145.6
60,0°	343.4	386.8	411.2	430.9	463.3	495.1	456.9	407.8	360.3	277.0	182.7	141.5	133.5
62,5°	355.2	409.6	444.0	467.2	508.8	502.5	436.9	374.5	310.3	220.8	158.1	140.1	119.6
65,0°	363.9	427.8	470.2	507.6	526.4	480.2	405.9	335.1	261.4	202.9	157.6	116.6	75.7
67,5°	365.9	439.7	484.4	530.1	504.6	446.2	366.6	302.8	262.8	201.3	127.5	74.5	38.3
70,0°	361.8	427.3	480.7	494.0	452.1	390.2	353.2	342.1	271.3	160.9	82.6	40.8	21.3
72,5°	348.5	390.9	432.9	414.9	389.5	361.2	397.1	367.5	221.1	100.7	40.3	20.0	14.8
75,0°	281.9	295.0	323.9	333.1	324.9	367.7	367.8	233.4	109.1	39.6	15.4	12.6	11.4
77,5°	143.0	161.3	198.8	233.5	244.3	250.6	175.4	81.5	27.2	12.1	10.0	8.7	7.3
80,0°	40.2	63.0	91.1	97.3	95.2	86.7	27.8	12.7	6.5	6.7	7.5	5.6	4.2
82,5°	8.8	13.8	20.6	21.5	16.3	17.5	5.0	3.3	2.6	3.3	3.9	2.7	2.0
85,0°	1.2	1.3	1.5	1.6	1.4	1.7	1.3	1.2	1.1	0.9	1.1	0.8	0.7
87,5°	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
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

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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°	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3
2,5°	272.1	269.9	267.0	268.1	268.5	269.0	281.4	284.1	286.0	285.0	286.1	285.9	287.0
5,0°	269.3	272.2	271.3	271.9	270.8	271.9	283.4	282.6	282.5	285.9	285.5	283.5	281.1
7,5°	280.9	281.1	280.2	277.5	274.1	274.1	286.0	287.6	287.0	288.0	286.8	283.0	277.5
10,0°	287.1	285.1	283.0	280.7	279.3	280.8	287.8	290.8	286.8	282.7	279.5	273.9	268.3
12,5°	285.5	284.2	286.0	288.9	286.6	281.0	295.5	295.8	296.0	286.2	277.7	269.6	261.9
15,0°	292.0	290.2	289.8	292.0	297.5	298.6	293.5	294.0	291.5	286.7	277.3	264.8	251.5
17,5°	294.8	294.5	298.3	293.0	297.4	303.5	292.3	293.3	293.9	281.3	267.6	258.9	240.9
20,0°	299.0	299.5	304.2	296.9	296.7	296.7	294.8	297.3	288.7	278.8	264.7	247.9	234.6
22,5°	307.0	303.9	307.2	305.2	303.5	301.1	292.3	292.7	289.8	272.7	253.1	235.2	224.2
25,0°	308.5	307.0	306.5	307.6	304.1	305.3	288.3	287.7	284.5	273.6	248.9	229.8	214.2
27,5°	309.7	310.9	309.1	310.5	312.1	314.7	284.8	292.0	284.6	269.9	246.9	218.6	204.8
30,0°	318.8	313.0	316.5	319.3	321.1	315.6	288.4	288.0	277.1	262.6	236.5	216.2	195.1
32,5°	328.3	327.3	324.1	328.0	321.7	321.1	292.1	283.3	275.4	254.8	232.4	204.0	187.3
35,0°	333.0	330.3	327.3	330.3	321.0	320.8	293.4	280.5	274.9	250.9	222.6	198.5	180.2
37,5°	347.6	338.1	337.0	331.1	320.5	323.3	300.7	280.1	268.4	245.7	215.7	189.0	173.6
40,0°	336.7	326.6	325.9	326.6	319.5	315.5	299.6	275.7	266.2	239.6	208.1	184.4	173.4
42,5°	338.1	330.2	318.5	318.1	304.4	302.6	299.3	268.9	256.4	234.2	201.3	180.8	167.8
45,0°	331.0	306.8	290.4	268.8	256.0	259.8	300.8	268.3	248.2	226.4	193.0	177.1	163.8
47,5°	292.1	250.6	224.1	205.0	194.0	197.9	301.3	257.8	239.6	216.0	186.1	176.6	150.4
50,0°	230.3	192.7	175.9	164.2	151.9	149.7	291.8	255.7	228.4	209.2	179.8	170.6	134.0
52,5°	178.9	156.0	144.3	133.1	130.3	129.2	290.2	246.4	216.9	199.0	174.2	152.8	114.9
55,0°	145.4	130.5	117.0	116.4	114.2	113.5	290.0	243.5	208.9	184.8	172.7	133.8	95.4
57,5°	121.3	117.8	115.4	113.0	105.4	105.7	290.5	241.2	201.0	179.3	161.5	119.5	77.5
60,0°	120.8	110.0	93.0	83.4	79.0	73.2	288.7	237.1	193.6	170.7	151.6	103.2	63.9
62,5°	93.2	69.2	54.5	45.9	40.4	38.1	287.6	230.5	184.8	158.7	138.3	87.8	57.4
65,0°	54.2	33.9	28.7	26.2	24.3	23.1	285.3	219.6	173.6	147.8	120.0	76.2	53.1
67,5°	26.5	21.4	19.9	18.4	17.4	16.9	275.2	206.3	159.8	134.0	99.6	61.1	44.4
70,0°	17.3	16.2	15.1	13.9	13.6	13.6	271.2	190.7	143.4	115.8	76.3	41.8	37.8
72,5°	13.4	12.4	11.4	10.8	10.3	10.1	262.2	181.5	124.0	94.7	40.9	29.8	31.2
75,0°	9.9	9.0	7.8	7.7	7.0	7.0	234.3	162.3	97.6	56.0	20.7	21.7	24.4
77,5°	6.2	5.7	5.2	5.0	4.7	4.7	137.1	75.6	26.2	11.1	9.8	13.4	15.8
80,0°	3.7	3.3	3.1	3.0	2.9	2.6	42.3	12.7	5.3	5.7	5.5	8.1	8.7
82,5°	1.7	1.8	1.5	1.5	1.5	1.4	7.6	3.1	2.7	2.5	2.5	3.6	4.0
85,0°	0.7	0.7	0.6	0.6	0.5	0.6	1.3	1.2	1.1	1.1	1.0	1.1	1.0
87,5°	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.3	0.2	0.2	0.2
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

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Table of values for luminous intensities		Maximum luminous intensity
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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°	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	0.4	0.4
2,5°	286.8	285.3	284.3	284.7	284.2	283.3	284.6	283.3	283.5	283.7	284.6	3.3	3.8
5,0°	278.6	276.1	273.1	270.4	269.6	267.2	264.9	267.7	269.2	270.0	268.4	6.5	10.3
7,5°	270.7	265.2	261.6	259.4	254.7	252.2	249.7	249.3	251.4	252.1	251.1	9.8	20.1
10,0°	262.4	258.2	251.3	247.1	241.7	240.5	235.9	232.2	229.7	232.0	232.6	12.8	32.9
12,5°	253.0	248.1	241.3	233.4	227.8	225.9	222.1	221.1	217.0	216.2	217.6	15.9	48.8
15,0°	243.5	238.9	227.1	220.2	215.6	207.2	202.8	202.4	199.4	197.5	199.3	18.9	67.7
17,5°	230.7	224.5	216.6	207.3	197.9	192.6	186.1	186.7	184.9	178.1	179.1	21.6	89.3
20,0°	224.7	212.9	200.9	190.3	179.3	178.3	173.5	168.8	172.8	171.2	167.7	24.4	113.7
22,5°	214.9	197.6	181.9	175.8	167.5	170.4	169.4	167.1	165.9	164.7	164.5	27.1	140.8
25,0°	197.9	180.7	172.8	169.2	165.1	160.8	159.9	160.1	158.1	157.3	154.6	29.8	170.6
27,5°	187.3	175.1	165.8	162.0	159.3	153.5	151.8	145.8	145.0	142.8	140.4	32.4	203.0
30,0°	177.2	171.0	166.6	158.9	151.2	143.8	132.7	128.8	124.3	120.6	117.3	35.0	238.0
32,5°	172.7	165.1	158.2	150.4	138.9	130.3	117.7	112.6	105.8	101.8	100.1	37.5	275.5
35,0°	173.7	161.0	152.4	138.3	123.5	111.2	100.8	90.8	89.5	87.5	84.7	39.9	315.4
37,5°	166.8	154.7	137.1	122.9	105.2	92.7	86.3	81.1	76.6	73.0	69.0	42.2	357.6
40,0°	159.6	145.5	123.8	107.7	92.7	82.7	77.8	70.9	66.2	62.7	61.7	44.1	401.8
42,5°	150.3	129.1	106.2	93.0	85.0	75.6	70.1	65.3	59.6	54.9	52.8	46.0	447.8
45,0°	137.4	114.1	93.1	85.0	75.9	66.1	59.6	54.8	50.9	50.0	47.9	47.0	494.8
47,5°	124.3	96.6	84.4	75.5	64.4	54.9	48.4	46.6	45.4	44.6	44.2	46.6	541.4
50,0°	105.0	86.9	74.5	66.3	55.3	47.4	42.9	41.6	41.5	39.7	39.3	46.0	587.4
52,5°	89.2	76.5	63.7	53.4	45.8	41.0	37.8	37.7	35.4	34.8	35.4	45.4	632.9
55,0°	75.3	68.1	53.2	44.9	38.3	35.9	34.0	34.1	32.0	31.4	29.8	44.7	677.6
57,5°	64.5	56.8	45.7	39.7	34.2	32.8	30.9	30.2	29.1	28.8	27.4	44.0	721.6
60,0°	59.0	50.3	41.2	33.9	28.9	28.5	27.6	26.2	25.5	24.9	25.3	43.4	765.0
62,5°	53.6	44.6	34.6	28.4	25.6	23.6	22.6	20.3	19.8	18.9	18.3	42.0	807.0
65,0°	47.4	37.5	28.0	23.1	19.9	17.9	17.8	16.5	16.2	16.0	16.2	40.3	847.3
67,5°	39.3	28.4	21.3	17.9	16.3	15.1	14.9	14.3	14.0	13.4	12.8	38.3	885.6
70,0°	31.7	19.8	16.1	15.1	13.5	11.7	11.5	11.5	11.1	11.0	10.7	35.8	921.3
72,5°	24.4	15.2	12.7	11.7	10.5	9.3	8.6	8.1	7.7	7.5	7.3	32.3	953.6
75,0°	17.7	11.9	10.0	8.9	7.9	6.4	5.3	5.0	5.2	5.0	4.8	25.5	979.1
77,5°	11.6	7.9	6.4	5.8	4.8	3.7	3.2	3.1	2.9	2.5	2.7	14.3	993.4
80,0°	6.9	4.8	3.4	2.9	2.3	1.7	1.3	1.2	0.9	1.0	1.1	5.1	998.5
82,5°	3.1	2.0	1.3	1.1	0.9	0.4	0.4	0.4	0.4	0.4	0.3	1.3	999.7
85,0°	0.8	0.7	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	999.9
87,5°	0.1	0.1	0.1	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 easy LED	Order number: 5XE6M33A08JB EAN: 4058352683385	LP number 59158_71
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Dimming levels table	environmental temperature: 25°C	siteco
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Luminous flux %	Output ECG [%]	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	100	11290	87.3	90.3	88.8
95	94	10731	82.1	84.8	83.4
90	88	10158	76.8	79.3	78.0
85	82	9570	71.5	73.9	72.7
80	77	9065	67.0	69.3	68.2
75	71	8443	61.9	63.9	62.9
70	66	7920	57.5	59.4	58.4
65	61	7389	53.4	55.0	54.2
60	55	6736	48.2	49.7	49.0
55	50	6182	44.0	45.3	44.6
50	45	5615	39.8	41.0	40.4
45	40	5037	35.7	36.7	36.2
40	36	4567	32.2	33.2	32.7
35	31	3973	28.1	28.9	28.5
30	26	3366	24.0	24.7	24.4
25	22	2875	20.7	21.3	21.0
20	17	2253	16.6	17.0	16.8
15	13	1748	13.3	13.7	13.5
10	8	1107	9.0	9.3	9.2

Dimming levels table	environmental temperature: 5°C
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Luminous flux %	Output ECG [%]	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	100	11670	88.3	91.4	89.8
95	94	11074	83.0	85.8	84.4
90	88	10465	77.7	80.2	79.0
85	83	9949	73.2	75.7	74.4
80	77	9313	67.9	70.2	69.1
75	72	8771	63.6	65.6	64.6
70	66	8115	58.3	60.2	59.2
65	61	7561	54.1	55.7	54.9
60	56	6996	49.8	51.3	50.6
55	51	6425	45.4	46.9	46.2
50	46	5841	41.2	42.4	41.8
45	41	5249	37.0	38.1	37.6
40	36	4647	32.7	33.7	33.2
35	31	4037	28.5	29.3	28.9
30	27	3543	25.2	26.0	25.6
25	22	2917	21.0	21.6	21.3
20	17	2284	16.9	17.3	17.1
15	13	1771	13.5	13.9	13.7
10	8	1120	9.1	9.4	9.2

Photometric test report

Family Streetlight 21 mini easy LED	Order number: 5XE6M33A08JB EAN: 4058352683385	LP number 59158_71
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Dimming levels table	environmental temperature: 15°C	sITeco
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Luminous flux %	Output ECG [%]	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	100	11490	87.8	90.8	89.3
95	94	10912	82.5	85.2	83.8
90	88	10320	77.2	79.7	78.4
85	83	9816	72.7	75.2	74.0
80	77	9196	67.5	69.8	68.6
75	72	8666	63.2	65.2	64.2
70	66	8023	57.9	59.8	58.8
65	61	7480	53.7	55.4	54.6
60	56	6925	49.4	50.9	50.2
55	51	6364	45.1	46.6	45.8
50	46	5788	40.9	42.2	41.6
45	41	5204	36.7	37.8	37.2
40	36	4610	32.5	33.5	33.0
35	31	4007	28.3	29.1	28.7
30	26	3395	24.2	24.9	24.5
25	22	2898	20.8	21.5	21.2
20	17	2269	16.7	17.1	16.9
15	13	1760	13.4	13.8	13.6
10	8	1114	9.1	9.3	9.2

Photometric test report

Family Streetlight 21 mini easy LED	Order number: 5XE6M33A08JB EAN: 4058352683385	LP number 59158_71
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Luminousfluxs table



Temperature °C	Luminous flux lm	Power consumption W
25.0	11290.0	87.3
5.0	11670.0	88.3
15.0	11490.0	87.8