

Photometric test report

Family Streetlight 21 mini LED



Order number: 5XE2E31Y08GB
EAN: 4058352910085

LP number
59077_1286

Version	post-top or side-entry mounting, Smart Interface up/down
Optic	direct, asymmetric wide distribution S100006
Cover	toughened safety glass
Lamps	LED 3000 K CRI ≥ 70
Controlgear	EVG SITECO iQ - Smart Interface
Rated values	Net luminous flux = 5990 lm Power consumption = 39.8 W Luminous efficacy = 150.5 lm/W

serial
documentation
09.08.2023

siteco

Luminous intensity in cd/klm

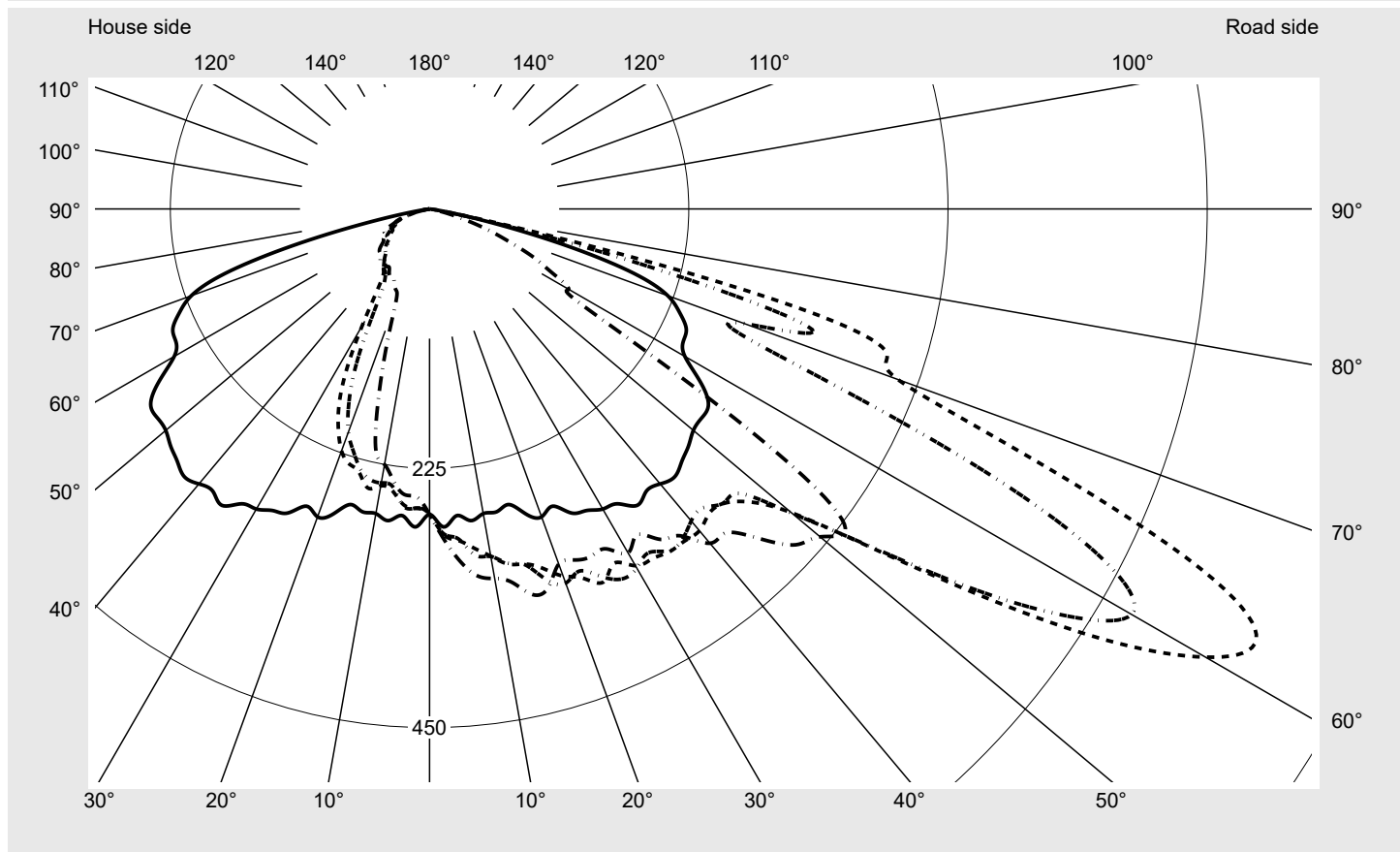
C180-0

C210-30

C215-35

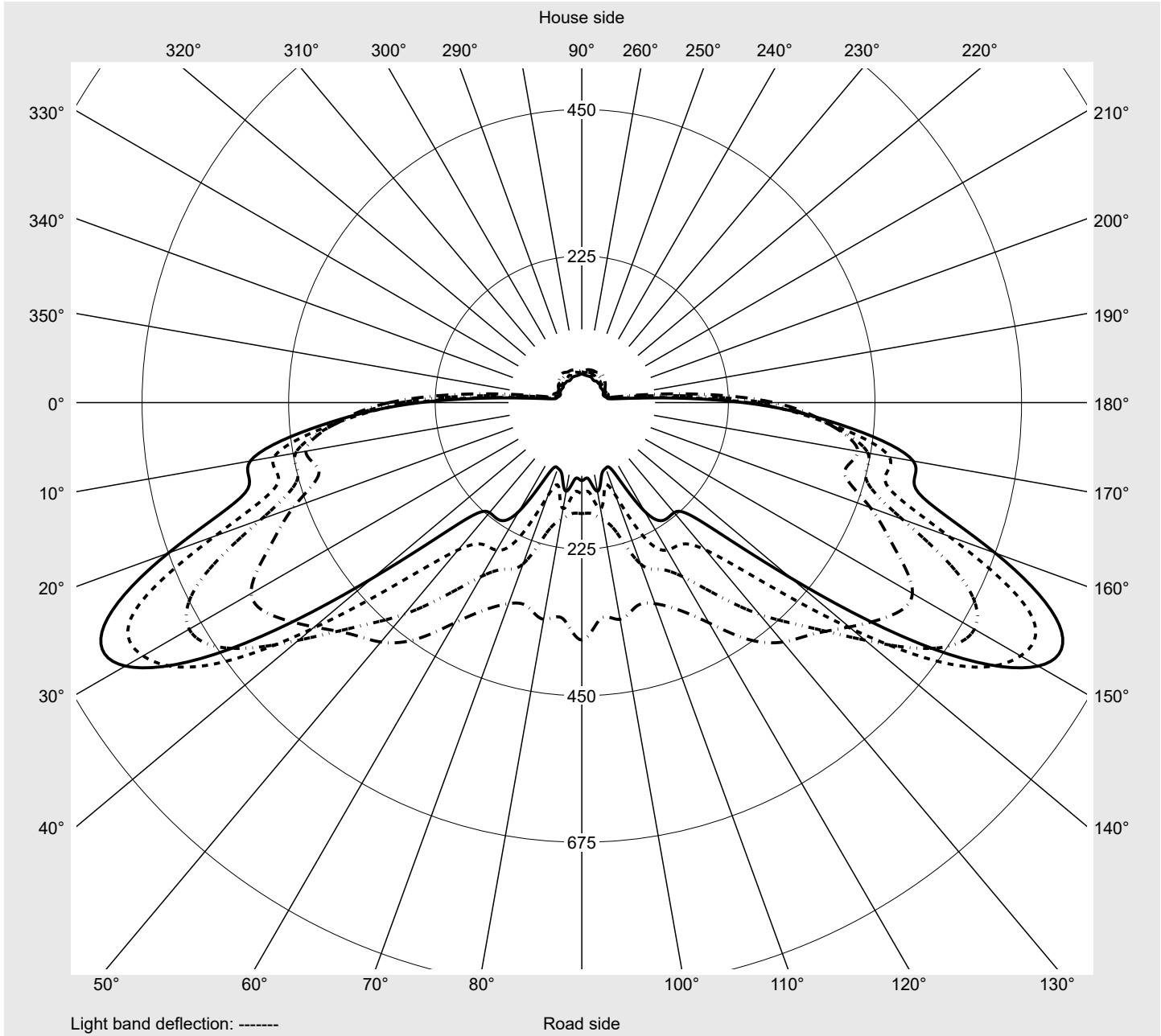
C270-90

Imax: 809 cd/klm



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Family Streetlight 21 mini LED	Order number: 5XE2E31Y08GB EAN: 4058352910085	LP number 59077_1286
Envelope curve in cd/klm	KMK 62.5° KMK 60° KMK 57.5° KMK 55°	sit eco



Photometric test report

Family Streetlight 21 mini LED		Order number: 5XE2E31Y08GB EAN: 4058352910085										LP number 59077_1286	
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°	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0
2,5°	276.1	278.2	279.9	280.7	282.6	280.9	282.9	282.1	283.9	285.0	286.7	288.0	286.1
5,0°	267.2	269.0	274.7	278.5	279.8	286.4	288.9	287.4	290.8	292.6	294.2	300.0	298.6
7,5°	272.7	275.9	280.1	284.4	288.5	292.4	296.9	303.0	303.7	307.0	310.0	310.1	313.3
10,0°	268.4	272.2	277.4	291.4	300.9	306.8	305.9	306.1	302.0	308.4	313.7	316.2	320.5
12,5°	269.1	273.9	287.4	294.7	304.6	314.3	315.6	314.8	322.9	327.5	331.4	330.3	330.5
15,0°	265.5	276.8	296.7	300.8	305.0	315.9	318.9	319.5	329.6	338.0	337.2	339.7	342.1
17,5°	277.4	287.6	299.4	305.4	315.7	326.6	326.9	337.2	336.9	335.5	339.7	341.4	338.5
20,0°	284.3	295.0	304.2	313.5	321.0	328.4	338.9	345.5	343.3	344.8	347.8	341.7	334.4
22,5°	279.1	294.0	312.1	323.0	327.7	341.0	346.5	340.0	341.6	352.4	351.9	343.1	331.1
25,0°	291.0	303.1	317.1	327.0	339.5	348.9	357.1	351.7	350.1	347.4	339.5	333.6	333.4
27,5°	295.0	309.9	321.7	338.0	351.4	356.8	346.6	361.8	356.7	344.1	331.2	337.6	339.9
30,0°	300.7	317.1	328.5	349.8	355.9	355.9	357.4	359.7	352.9	344.8	333.1	337.4	338.9
32,5°	303.3	318.9	336.3	353.9	359.5	349.5	359.8	353.7	348.0	346.4	340.3	346.7	346.0
35,0°	314.0	326.8	340.1	355.5	360.5	357.7	363.1	362.1	346.9	343.3	345.1	341.2	346.2
37,5°	308.9	327.9	347.5	353.8	357.0	355.0	363.3	360.9	349.1	347.9	346.4	345.8	346.0
40,0°	311.4	332.1	344.0	358.4	357.1	363.3	364.4	353.3	357.7	355.2	353.1	353.4	356.3
42,5°	315.1	342.3	354.5	357.4	364.8	358.6	358.8	351.6	354.4	362.5	363.5	361.8	376.7
45,0°	309.7	352.0	364.3	364.3	367.8	375.0	361.3	360.8	367.0	373.0	384.1	397.1	402.7
47,5°	304.8	361.9	365.7	366.2	379.0	381.6	376.2	365.3	379.3	404.4	419.2	437.2	429.1
50,0°	298.9	376.3	386.3	389.3	397.8	415.1	409.9	410.7	417.6	449.6	467.2	465.5	448.8
52,5°	297.8	384.5	408.5	405.9	426.8	460.3	481.7	479.2	484.8	487.2	491.5	476.7	441.4
55,0°	295.5	381.4	430.2	417.6	471.4	530.1	586.0	573.2	535.9	502.5	479.9	443.5	390.5
57,5°	278.4	380.3	445.9	451.7	523.6	645.7	695.9	657.7	567.6	486.1	424.4	359.9	308.3
60,0°	255.9	384.0	479.3	483.8	599.0	757.2	777.7	703.6	540.3	384.0	295.1	265.7	261.6
62,5°	248.4	402.0	516.6	535.0	675.3	808.8	809.0	659.9	419.1	256.1	220.5	220.2	192.6
65,0°	245.9	422.0	553.6	573.4	711.3	776.7	738.3	510.2	243.5	208.7	192.4	191.3	104.6
67,5°	235.0	425.3	575.2	564.4	621.8	656.3	565.5	314.5	192.3	176.6	153.1	147.2	65.3
70,0°	220.0	417.0	498.7	490.7	467.4	475.7	432.4	290.7	186.4	147.5	119.0	82.6	48.3
72,5°	186.1	339.1	400.0	304.5	275.2	335.3	416.1	348.4	176.7	109.9	75.5	56.3	39.4
75,0°	123.0	169.2	172.4	105.2	89.8	211.1	330.5	216.4	77.4	39.2	49.9	41.1	30.5
77,5°	56.5	71.0	62.1	33.2	30.7	82.6	105.1	73.0	43.5	25.3	37.7	26.1	20.2
80,0°	17.1	18.7	17.1	12.0	10.0	32.8	16.7	12.3	11.9	13.6	24.3	14.2	12.9
82,5°	2.8	2.6	2.8	2.7	4.2	12.7	4.3	4.9	3.6	2.7	7.1	7.5	9.0
85,0°	0.6	1.0	0.8	0.7	0.9	0.6	1.1	1.6	1.2	1.0	1.0	1.0	0.9
87,5°	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0
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 mini LED	Order number: 5XE2E31Y08GB EAN: 4058352910085	LP number 59077_1286
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Table of values for luminous intensities	Maximum luminous intensity	siteco
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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°	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0
2,5°	287.5	287.6	287.1	287.4	287.0	287.0	273.3	268.1	264.9	264.2	262.9	260.1	259.7
5,0°	298.8	299.6	303.6	304.8	306.2	307.1	263.9	264.0	263.7	260.2	262.6	257.7	259.0
7,5°	311.1	312.7	314.2	315.4	319.9	321.2	264.6	260.9	257.4	253.9	248.6	246.6	243.3
10,0°	322.2	321.1	324.7	324.1	330.8	325.5	261.4	256.1	251.1	248.3	244.7	244.0	241.3
12,5°	332.1	335.3	335.1	332.5	329.2	332.0	262.3	260.1	252.5	246.3	242.6	247.9	240.3
15,0°	337.6	337.3	338.6	345.5	346.4	346.4	261.0	256.5	253.2	248.3	245.2	236.4	233.1
17,5°	341.6	341.9	341.5	339.9	341.6	343.8	270.2	262.3	253.8	247.9	241.6	232.0	220.2
20,0°	335.0	333.0	331.7	327.6	328.6	327.9	267.8	260.8	255.7	239.3	232.0	223.3	206.1
22,5°	329.0	328.2	327.2	332.2	325.7	329.6	271.4	267.7	246.7	240.9	224.1	206.9	183.3
25,0°	334.2	338.9	333.4	328.8	331.6	332.3	273.9	267.1	247.9	230.6	210.1	185.4	153.1
27,5°	345.0	340.9	338.0	336.9	330.6	332.5	281.1	265.5	244.5	212.3	189.3	154.5	114.5
30,0°	347.4	348.6	347.5	338.6	338.7	344.5	287.4	263.9	231.2	198.3	160.4	116.8	84.4
32,5°	348.4	347.2	343.8	343.5	341.8	335.2	290.9	256.1	220.6	179.3	126.7	86.3	72.1
35,0°	347.0	345.2	346.6	347.5	342.5	350.1	287.0	243.6	204.1	146.9	96.2	70.3	66.8
37,5°	350.1	351.8	356.0	359.3	353.9	357.4	278.7	226.5	179.7	108.7	69.8	65.7	65.1
40,0°	361.0	366.3	369.3	373.6	367.6	378.6	271.5	211.0	146.0	80.9	62.4	61.5	61.5
42,5°	385.5	380.9	382.4	379.9	385.9	381.1	253.2	192.1	110.3	60.5	58.0	57.7	57.7
45,0°	410.8	397.6	391.9	399.7	411.0	404.2	243.1	159.0	76.9	55.3	55.2	53.6	54.0
47,5°	433.6	414.0	411.4	415.7	420.3	431.3	227.6	126.7	55.1	50.4	51.7	51.7	52.1
50,0°	445.6	425.7	419.8	449.5	443.7	442.5	210.7	88.3	49.0	47.6	47.1	49.3	47.6
52,5°	416.0	395.0	398.9	443.8	448.1	454.9	180.9	59.1	45.7	45.0	43.8	45.3	45.8
55,0°	351.0	328.5	323.8	337.9	333.0	364.6	154.6	48.8	43.8	42.1	39.9	41.0	43.9
57,5°	282.3	263.7	206.2	182.5	171.1	170.4	121.8	44.9	41.6	41.3	39.9	40.0	43.9
60,0°	229.7	151.7	135.7	165.2	139.3	139.5	86.6	41.6	37.8	38.2	38.7	36.9	40.7
62,5°	120.0	107.2	116.5	138.1	117.6	119.8	77.0	39.6	36.3	35.0	36.5	37.2	37.1
65,0°	83.4	91.6	95.7	104.6	97.6	100.3	69.3	36.7	32.8	31.9	34.4	37.0	32.8
67,5°	67.6	73.1	74.5	77.1	78.6	76.2	54.0	28.7	29.8	27.7	32.7	34.8	32.1
70,0°	52.0	55.8	56.0	55.7	56.2	56.3	41.4	23.6	24.9	23.4	27.3	28.8	27.1
72,5°	39.0	39.0	37.7	39.2	37.6	36.6	39.4	19.2	19.3	19.8	21.9	22.2	21.5
75,0°	24.8	24.3	23.5	23.2	21.8	20.8	33.9	14.3	14.8	15.1	17.1	14.6	15.3
77,5°	14.2	13.2	12.7	11.4	11.4	9.5	22.2	10.4	8.7	9.2	11.9	11.0	10.9
80,0°	7.8	5.8	5.4	4.1	4.0	2.8	9.0	5.5	5.3	4.7	5.5	5.6	6.8
82,5°	3.8	1.6	1.4	1.0	1.4	0.9	2.5	2.3	2.2	2.3	2.5	2.8	3.4
85,0°	0.6	0.4	0.3	0.3	0.3	0.4	0.8	0.7	0.8	0.8	0.7	0.9	1.0
87,5°	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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

Photometric test report

Family Streetlight 21 mini LED		Order number: 5XE2E31Y08GB EAN: 4058352910085										LP number 59077_1286	
Table of values for luminous intensities										Maximum luminous intensity		sīteco	
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°	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	0.4	0.4
2,5°	256.9	256.0	255.6	256.1	254.6	252.5	250.9	249.4	248.9	249.4	250.4	3.2	3.6
5,0°	255.7	253.9	254.1	252.3	249.0	249.7	248.6	248.0	246.8	248.4	248.8	6.5	10.2
7,5°	240.3	241.6	243.4	240.7	241.4	239.6	241.1	240.8	239.1	237.5	238.3	9.8	20.0
10,0°	240.0	236.3	237.0	232.8	230.3	226.3	227.2	227.7	229.3	228.1	225.1	13.0	33.0
12,5°	232.1	228.4	226.2	223.2	220.3	215.5	208.4	206.4	206.3	212.3	215.0	16.3	49.3
15,0°	228.7	218.0	206.6	202.2	200.2	193.2	184.1	176.9	174.8	172.2	172.4	19.2	68.5
17,5°	209.4	198.3	189.0	174.2	161.0	148.0	139.2	129.3	122.8	121.0	123.7	21.6	90.1
20,0°	192.2	169.1	150.1	131.9	115.1	104.2	97.2	89.9	88.2	86.4	85.0	23.5	113.6
22,5°	156.5	129.9	107.3	94.2	82.7	77.8	78.4	76.9	75.2	76.8	76.1	25.4	139.0
25,0°	117.5	93.4	80.0	74.6	74.6	73.9	73.1	74.0	72.0	74.0	72.3	27.6	166.6
27,5°	87.2	75.8	71.2	72.6	73.4	71.9	71.0	71.6	70.4	71.1	67.8	29.8	196.4
30,0°	73.6	70.2	72.9	71.5	70.4	71.0	69.8	70.1	68.1	67.3	68.0	32.0	228.4
32,5°	67.8	68.1	67.7	70.5	70.7	68.2	67.0	65.7	64.1	63.6	65.2	33.9	262.4
35,0°	66.4	67.3	66.7	66.1	65.8	64.8	64.9	64.1	64.6	62.1	61.4	35.8	298.2
37,5°	67.0	67.1	66.4	64.8	64.1	62.0	62.1	63.5	62.3	64.1	62.6	37.7	335.9
40,0°	65.2	69.2	62.8	60.8	59.4	59.4	62.3	62.4	60.3	60.0	60.4	39.8	375.7
42,5°	64.4	66.3	68.6	56.9	57.5	58.5	59.4	60.7	57.9	58.0	62.3	42.0	417.7
45,0°	61.0	62.0	77.2	58.2	58.6	59.2	60.0	59.8	60.6	60.1	60.3	44.9	462.5
47,5°	53.1	53.8	65.9	58.5	59.2	58.8	59.9	60.0	59.8	59.0	57.8	47.8	510.3
50,0°	49.0	52.4	58.1	59.5	60.2	57.5	58.4	56.2	56.5	55.8	56.8	51.7	562.1
52,5°	47.6	51.8	55.7	54.3	55.8	54.5	53.9	54.8	53.8	53.5	53.4	54.9	616.9
55,0°	47.0	49.2	51.3	53.6	53.4	51.8	52.2	51.8	51.3	49.3	48.8	55.2	672.1
57,5°	45.4	44.7	46.5	47.9	48.4	48.5	47.8	47.7	47.4	46.4	47.2	53.2	725.3
60,0°	41.2	41.2	43.3	43.3	43.7	45.9	44.1	44.4	44.6	44.1	43.7	51.8	777.1
62,5°	37.1	39.0	39.1	39.8	38.6	39.5	41.5	41.8	42.1	42.8	44.1	49.6	826.7
65,0°	33.4	34.7	37.0	36.8	35.8	36.8	38.8	37.6	40.4	42.1	41.9	46.0	872.7
67,5°	29.7	31.0	32.3	32.5	32.0	32.6	33.8	36.5	37.1	35.6	34.6	40.0	912.8
70,0°	25.9	28.0	28.5	28.5	28.1	28.2	29.6	31.2	31.7	30.2	29.9	33.5	946.3
72,5°	21.7	23.7	24.6	25.3	25.5	26.0	25.4	26.6	27.1	26.8	25.0	26.9	973.2
75,0°	17.0	18.4	21.4	20.6	20.1	20.9	20.3	21.1	22.0	20.0	20.2	15.6	988.8
77,5°	12.3	14.7	16.6	16.7	16.2	16.3	15.3	12.3	9.2	7.0	6.0	7.1	995.9
80,0°	7.5	8.6	11.2	12.9	13.0	11.5	9.3	6.4	3.8	1.9	1.2	2.8	998.7
82,5°	3.8	4.4	5.7	8.4	8.1	7.0	4.2	2.7	1.4	0.5	0.4	1.1	999.7
85,0°	1.4	1.4	1.6	1.6	1.8	1.5	0.8	0.5	0.4	0.1	0.1	0.2	1000.0
87,5°	0.2	0.2	0.2	0.1	0.1	0.1	0.1	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

office	industry	traffic	retail	public	sports
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Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2E31Y08GB EAN: 4058352910085	LP number 59077_1286
Dimming levels table		environmental temperature: 25°C

siteco

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	5990	39.8	41.2	40.5
95	241	252	5683	37.3	38.6	38.0
90	229	250	5400	35.0	36.3	35.6
85	216	248	5094	32.7	33.8	33.2
80	203	246	4787	30.4	31.4	30.9
75	190	243	4481	28.1	29.1	28.6
70	178	241	4198	26.1	27.0	26.6
65	165	238	3891	24.0	24.8	24.4
60	152	235	3585	21.9	22.7	22.3
55	140	232	3302	20.0	20.7	20.4
50	127	229	2995	18.0	18.7	18.4
45	114	225	2688	16.1	16.6	16.4
40	102	221	2405	14.3	14.8	14.6
35	89	216	2099	12.5	12.9	12.7
30	76	210	1792	10.7	11.0	10.8
25	63	203	1486	8.9	9.2	9.0
20	51	195	1203	7.3	7.5	7.4
15	38	184	896	5.6	5.8	5.7
10	25	169	590	4.0	4.1	4.0
9	24	168	566	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]start of lifetime	Power consumption [W]end of lifetime	Power consumption [W]average
100	254	254	5990	39.4	40.5	40.0
95	241	252	5683	36.9	38.0	37.4
90	229	250	5400	34.7	35.7	35.2
85	216	248	5094	32.4	33.4	32.9
80	203	246	4787	30.2	31.1	30.6
75	191	244	4504	28.2	29.0	28.6
70	178	241	4197	26.1	26.7	26.4
65	165	238	3891	23.9	24.6	24.2
60	152	235	3584	21.8	22.5	22.2
55	140	232	3301	20.0	20.5	20.2
50	127	229	2995	18.1	18.5	18.3
45	114	225	2688	16.1	16.5	16.3
40	102	221	2405	14.3	14.7	14.5
35	89	216	2099	12.5	12.8	12.6
30	76	210	1792	10.7	11.0	10.8
25	64	204	1509	9.0	9.2	9.1
20	51	195	1203	7.3	7.5	7.4
15	38	184	896	5.7	5.8	5.8
10	25	169	590	4.0	4.1	4.0
9	24	168	566	3.9	3.9	3.9

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2E31Y08GB EAN: 4058352910085	LP number 59077_1286
Dimming levels table environmental temperature: 15°C		

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	5990	39.5	40.8	40.2
95	241	252	5683	37.0	38.2	37.6
90	229	250	5400	34.8	36.0	35.4
85	216	248	5094	32.6	33.6	33.1
80	203	246	4787	30.2	31.2	30.7
75	191	244	4504	28.2	29.1	28.6
70	178	241	4198	26.0	26.9	26.4
65	165	238	3891	23.9	24.7	24.3
60	152	235	3584	21.9	22.5	22.2
55	140	232	3301	20.0	20.6	20.3
50	127	229	2995	18.0	18.6	18.3
45	114	225	2688	16.1	16.6	16.4
40	102	221	2405	14.3	14.7	14.5
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30	76	210	1792	10.7	11.0	10.8
25	64	204	1509	9.1	9.3	9.2
20	51	195	1203	7.3	7.5	7.4
15	38	184	896	5.6	5.7	5.6
10	25	169	590	4.0	4.1	4.0
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Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2E31Y08GB EAN: 4058352910085	LP number 59077_1286
Luminousfluxs table		siteco

Temperature °C	Luminous flux lm	Power consumption W
25.0	5990.0	39.8
5.0	5990.0	39.4
15.0	5990.0	39.5