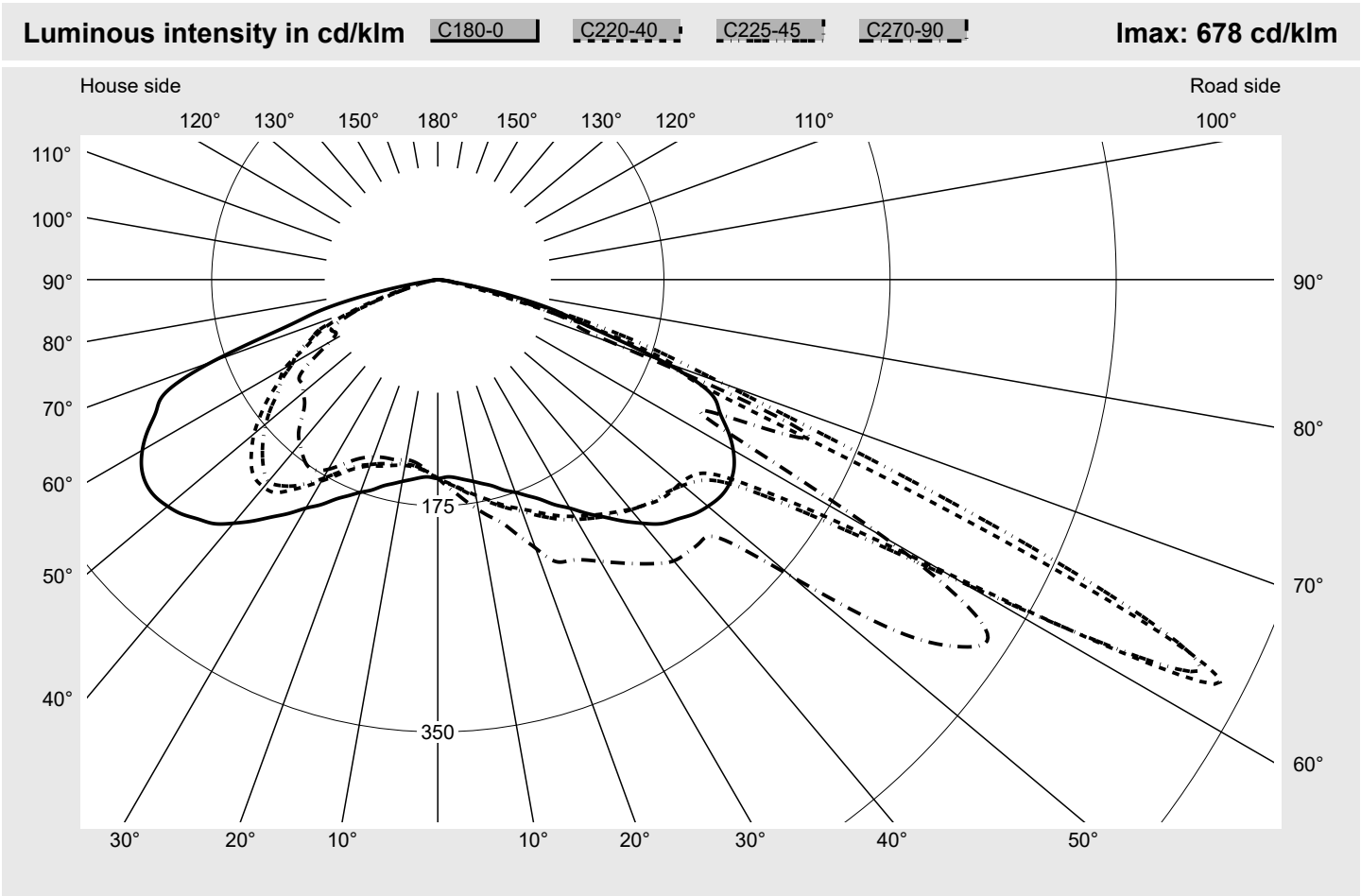


Photometric test report

Family Streetlight 31 micro	Order number: 5XH113AT08EA EAN: 4069025510334	LP number 59798_1721
	Version	post-top or side-entry mounting
	Optic	asymmetric distribution (PL32G)
	Cover	toughened safety glass
	Lamps	LED 3000 K CRI ≥ 70
	Controlgear	ECG SITECO - Smart Interface
	Rated values	Net luminous flux = 5560 lm Power consumption = 38.0 W Luminous efficacy = 146.3 lm/W
		serial documentation 21.08.2025
		



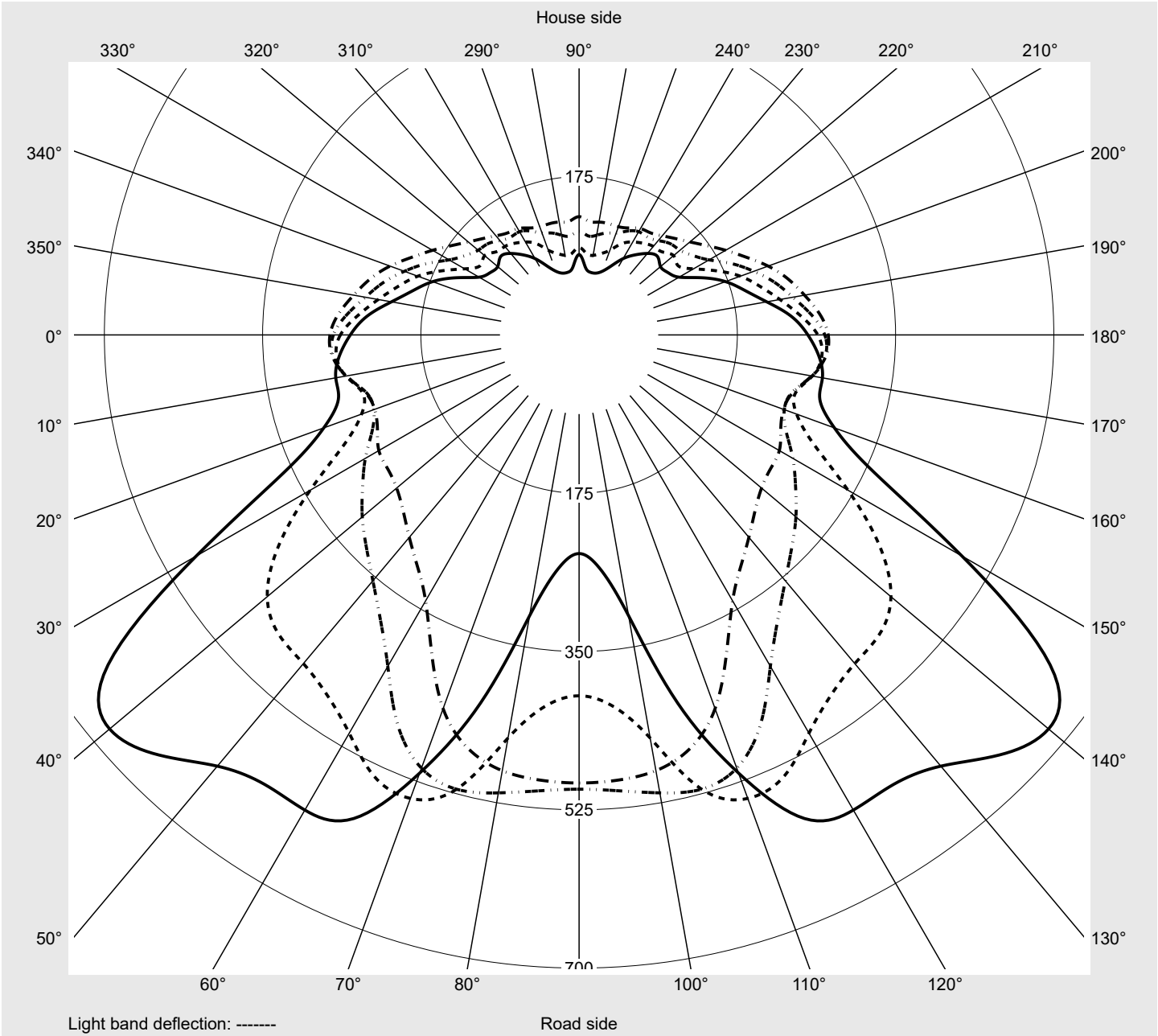
Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

Luminous intensity class acc. to EN13201-2	
Class:	G3
Imax 70°	623.9
Imax 80°	57.0
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 31 micro	Order number: 5XH113AT08EA EAN: 4069025510334	LP number 59798_1721
Envelope curve in cd/klm KMK 62.5° KMK 60° KMK 57.5° KMK 55°		siteco



Photometric test report

Family Streetlight 31 micro		Order number: 5XH113AT08EA EAN: 4069025510334										LP number 59798_1721	
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°	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9
2,5°	152.9	153.3	153.8	154.4	154.9	155.4	156.0	156.5	157.0	157.5	157.9	158.3	158.7
5,0°	153.8	154.6	155.4	156.5	157.5	158.3	158.9	159.7	160.5	161.0	161.6	162.2	162.9
7,5°	156.0	157.1	158.0	159.2	160.3	161.4	162.4	163.6	164.7	165.8	166.8	167.8	168.6
10,0°	158.6	159.8	160.7	162.1	163.6	165.0	166.3	167.8	169.4	170.8	172.3	173.6	174.7
12,5°	161.8	162.9	164.3	166.1	167.9	169.6	171.0	172.5	174.0	175.6	177.3	178.9	180.3
15,0°	165.4	166.9	168.3	170.4	172.5	174.3	176.0	177.5	179.2	180.7	182.1	184.2	186.5
17,5°	170.8	172.0	173.2	175.2	177.0	179.0	180.8	182.5	184.2	185.9	187.6	189.5	193.3
20,0°	175.2	177.6	179.4	180.6	182.3	183.8	185.4	187.0	188.9	190.8	193.3	195.6	198.8
22,5°	181.0	183.3	185.4	187.4	188.4	189.3	190.5	192.0	194.2	197.0	200.2	203.5	206.3
25,0°	187.6	190.1	191.6	193.7	195.1	195.1	195.8	197.7	200.2	203.2	206.9	210.2	213.0
27,5°	196.4	198.0	199.0	200.0	201.5	201.5	201.7	203.7	206.2	209.3	212.5	215.7	218.7
30,0°	204.2	206.2	206.7	206.7	207.3	207.7	207.4	209.4	211.5	214.4	217.0	219.4	222.1
32,5°	214.5	215.1	214.9	213.5	212.7	212.7	212.5	214.6	216.5	219.1	221.3	223.8	226.6
35,0°	224.3	224.9	223.5	220.7	217.8	217.6	217.3	220.0	221.5	223.9	226.4	229.1	232.2
37,5°	235.5	234.4	231.5	226.7	222.7	222.0	221.6	224.9	226.7	228.3	230.7	233.9	237.1
40,0°	246.1	244.1	238.9	231.2	227.0	225.6	225.6	229.6	231.8	232.5	234.7	237.4	240.3
42,5°	256.1	251.5	243.7	234.8	230.4	228.4	229.6	234.7	236.8	236.6	237.3	239.0	242.2
45,0°	262.1	258.4	248.9	238.5	233.4	230.6	232.6	238.8	241.5	239.6	239.3	241.4	245.8
47,5°	268.6	264.5	253.2	241.5	235.7	233.5	235.8	240.9	243.9	242.5	242.8	246.1	252.5
50,0°	272.9	269.4	256.7	243.7	237.1	236.9	240.1	244.1	245.1	247.7	250.1	255.0	265.8
52,5°	275.7	272.4	259.2	245.1	239.2	241.2	245.9	248.1	248.9	255.6	263.8	274.7	290.4
55,0°	275.5	273.8	261.2	245.1	240.6	246.1	255.7	258.3	263.4	275.1	292.1	311.9	339.5
57,5°	271.7	273.1	261.7	244.1	241.5	252.6	273.0	292.3	313.0	332.6	354.8	383.3	423.1
60,0°	264.0	269.5	261.9	247.8	256.0	286.6	343.4	405.3	450.2	469.1	474.4	485.9	508.4
62,5°	253.0	266.1	273.3	275.7	300.5	360.4	488.8	635.9	677.8	656.9	622.4	606.6	606.6
65,0°	240.3	274.2	286.5	273.7	264.1	275.7	311.3	384.1	511.5	564.9	556.9	590.7	600.5
67,5°	227.7	249.1	236.1	196.9	168.4	167.8	182.1	207.7	249.4	360.6	503.8	535.0	349.3
70,0°	185.7	185.4	184.1	169.0	150.8	152.0	157.7	172.3	195.9	234.0	284.0	366.9	498.5
72,5°	126.9	155.2	171.0	150.9	111.5	93.7	90.0	103.8	134.0	166.6	192.6	201.1	236.6
75,0°	96.9	117.8	119.7	83.1	44.1	31.7	30.5	39.5	61.7	98.4	139.1	154.4	150.9
77,5°	60.5	54.0	41.1	25.1	13.3	11.4	11.3	14.3	24.0	44.4	79.4	107.8	98.4
80,0°	22.7	9.2	5.9	6.4	6.7	6.7	6.6	7.4	10.8	16.5	36.0	55.9	57.0
82,5°	4.1	2.8	3.0	3.2	3.4	3.5	3.5	3.8	4.8	7.4	13.0	24.0	27.7
85,0°	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.4	1.5	2.0	2.7	5.0	6.9
87,5°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
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 31 micro		Order number: 5XH113AT08EA EAN: 4069025510334										LP number 59798_1721	
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°	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9
2,5°	159.1	159.4	159.7	159.8	159.9	160.0	152.4	151.8	151.6	151.3	150.9	150.6	150.4
5,0°	163.7	164.5	165.1	165.6	166.1	166.3	152.8	151.7	150.9	150.3	149.5	148.7	148.0
7,5°	169.4	170.2	171.2	172.3	173.2	173.6	154.4	152.8	151.7	150.4	149.3	148.1	147.1
10,0°	175.5	176.3	177.2	178.7	180.2	180.9	156.5	154.6	153.1	151.7	150.1	148.7	147.4
12,5°	181.6	182.5	183.3	184.9	187.0	188.0	159.7	157.3	155.6	153.7	152.0	150.4	148.5
15,0°	188.7	190.7	191.4	192.4	194.5	195.4	163.4	160.8	158.9	156.9	154.7	152.7	150.9
17,5°	198.0	202.0	204.3	204.2	206.1	207.7	168.2	165.4	162.6	160.0	157.6	155.4	153.3
20,0°	206.1	212.8	217.8	217.6	218.8	221.0	172.1	169.3	166.3	163.1	160.2	157.5	155.2
22,5°	211.5	220.9	227.4	228.6	229.6	235.8	177.3	174.5	171.9	168.2	164.7	161.6	159.2
25,0°	216.0	224.8	231.2	232.8	233.2	240.0	184.4	180.8	178.1	174.8	170.8	167.5	165.0
27,5°	220.8	226.8	232.8	234.6	234.6	244.5	192.9	189.3	185.7	183.1	179.7	176.3	173.6
30,0°	224.8	229.3	236.4	238.7	238.5	251.8	201.8	198.4	194.5	190.6	188.8	185.4	182.4
32,5°	229.5	233.4	241.7	245.6	245.0	259.8	211.7	208.7	205.0	201.0	197.7	196.5	192.8
35,0°	234.9	238.7	246.3	252.1	252.4	268.4	222.9	220.0	216.2	212.5	208.5	205.4	204.0
37,5°	240.1	243.6	251.3	261.6	263.1	277.0	234.2	231.2	227.2	223.4	219.2	215.1	210.2
40,0°	243.8	247.9	256.6	273.9	278.8	284.1	245.3	242.2	237.9	233.5	228.7	223.0	216.7
42,5°	246.4	252.9	262.7	285.1	288.5	286.1	255.1	251.8	247.3	241.9	235.3	227.8	219.2
45,0°	251.6	260.7	270.1	282.6	289.1	287.3	261.5	259.0	254.5	247.6	239.1	229.2	216.9
47,5°	261.0	273.6	281.2	289.3	296.3	296.3	266.6	262.3	257.3	249.7	238.9	225.6	210.4
50,0°	279.0	298.4	311.8	330.3	349.0	357.1	270.0	263.8	255.6	246.5	233.4	217.1	200.4
52,5°	315.1	351.1	385.6	420.3	441.3	446.2	270.7	260.9	250.0	237.0	221.3	205.0	187.3
55,0°	386.3	439.7	473.6	489.2	494.1	495.4	267.0	253.2	239.2	222.5	203.6	187.1	172.2
57,5°	474.9	509.7	520.2	514.1	506.0	502.2	257.7	240.1	224.0	205.6	186.4	165.9	153.3
60,0°	537.7	545.3	519.2	452.5	411.2	399.0	245.7	225.6	207.2	189.8	167.7	146.1	133.5
62,5°	590.0	515.5	421.5	315.3	258.8	241.7	235.6	210.7	189.9	172.3	149.6	127.7	120.1
65,0°	483.5	302.1	187.1	194.0	243.5	258.9	209.5	187.8	172.2	155.2	131.6	112.6	104.5
67,5°	189.2	219.9	403.6	398.0	335.1	304.9	192.4	159.6	147.1	135.6	113.1	96.5	91.2
70,0°	623.9	488.5	293.6	190.4	158.1	150.3	173.4	146.1	127.2	114.7	96.8	80.7	75.9
72,5°	266.8	208.4	157.0	131.3	114.1	109.4	118.5	122.0	114.7	96.9	76.6	64.1	54.6
75,0°	143.3	125.1	104.9	89.5	77.5	73.1	62.5	68.5	86.0	79.6	61.7	45.1	32.8
77,5°	87.4	73.2	61.5	52.2	46.1	43.5	37.1	27.9	43.3	49.7	37.5	21.9	11.8
80,0°	48.8	40.2	34.1	29.5	25.5	23.9	17.2	9.9	14.2	20.5	16.7	6.9	6.2
82,5°	23.2	19.1	15.7	13.5	11.6	10.9	3.9	3.1	3.7	4.7	4.1	3.1	3.1
85,0°	7.4	6.0	4.9	4.0	3.5	3.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
87,5°	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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 31 micro		Order number: 5XH113AT08EA EAN: 4069025510334										LP number 59798_1721	
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°	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	0.2	0.2
2,5°	150.1	149.8	149.7	149.6	149.4	149.3	149.3	149.3	149.3	149.4	149.4	1.8	2.1
5,0°	147.4	146.7	146.1	145.7	145.4	145.0	144.8	144.8	144.8	144.9	144.9	3.7	5.8
7,5°	146.1	145.0	144.3	143.6	143.0	142.5	142.1	142.1	142.1	142.2	142.1	5.6	11.3
10,0°	146.1	145.0	143.9	143.2	142.4	141.8	141.3	141.2	141.3	141.4	141.5	7.5	18.9
12,5°	147.1	145.9	144.8	143.9	143.2	142.7	142.5	142.6	142.8	142.9	143.0	9.6	28.5
15,0°	149.1	147.5	146.3	145.0	144.1	143.4	142.9	142.9	143.0	143.3	143.4	11.7	40.2
17,5°	151.3	149.3	147.8	147.0	146.1	145.1	144.5	144.0	143.9	143.9	144.2	14.0	54.2
20,0°	153.3	152.2	151.1	150.0	149.0	148.1	147.2	146.4	145.9	145.8	146.1	16.4	70.7
22,5°	157.3	155.7	154.9	154.3	153.1	152.0	150.8	149.8	149.0	148.7	149.1	19.0	89.6
25,0°	162.9	161.3	160.4	159.5	158.9	157.6	156.3	155.0	154.1	153.6	154.2	21.6	111.3
27,5°	171.1	168.6	168.0	167.0	166.0	165.1	163.7	162.7	161.7	161.1	161.6	24.4	135.7
30,0°	179.9	177.7	176.3	175.3	174.1	172.9	171.9	170.8	169.7	169.1	169.5	27.4	163.1
32,5°	189.5	186.7	185.2	183.1	181.4	180.1	179.0	177.4	176.0	175.1	175.0	30.5	193.6
35,0°	198.9	194.9	192.0	189.5	186.2	183.6	181.9	179.0	176.9	175.6	175.8	33.6	227.2
37,5°	207.6	200.8	196.1	191.4	185.8	181.2	178.5	175.5	173.1	171.7	171.5	36.5	263.8
40,0°	209.5	203.8	195.1	187.8	180.7	175.2	171.9	169.1	166.9	165.8	166.0	39.3	303.0
42,5°	209.0	199.4	190.8	181.1	173.4	167.7	164.3	161.7	159.7	159.1	159.3	41.7	344.7
45,0°	204.0	191.9	183.0	172.6	165.1	159.6	156.3	152.5	149.3	147.7	147.8	43.7	388.4
47,5°	195.4	183.3	173.3	165.6	156.8	149.0	143.9	140.5	138.4	138.2	139.8	45.6	434.0
50,0°	185.6	173.6	164.0	154.2	144.2	138.5	137.0	136.0	134.9	134.8	136.0	48.2	482.2
52,5°	173.2	162.6	152.2	141.9	140.0	135.1	132.1	130.8	129.2	128.9	132.2	52.1	534.3
55,0°	160.0	150.6	143.1	137.8	135.7	130.5	127.3	127.3	126.6	126.0	130.8	56.4	590.7
57,5°	145.7	142.6	136.2	132.0	131.8	126.7	119.8	116.6	111.9	110.1	114.6	60.7	651.4
60,0°	136.4	129.9	127.7	123.8	118.6	111.3	99.7	93.1	89.3	90.6	96.7	65.1	716.5
62,5°	117.5	122.6	117.6	108.0	97.4	84.2	74.8	70.7	70.4	75.9	88.8	70.5	787.0
65,0°	105.1	107.7	103.0	86.6	70.4	62.2	58.9	58.0	57.6	65.6	91.0	59.1	846.2
67,5°	91.4	95.9	78.9	58.2	51.3	50.5	50.5	45.2	40.7	48.6	78.6	48.7	894.8
70,0°	68.4	57.8	51.5	42.6	42.2	44.3	38.5	25.7	21.0	30.1	60.3	43.2	938.0
72,5°	43.3	34.9	32.5	34.1	37.1	35.6	20.9	16.3	17.0	20.4	34.9	27.8	965.8
75,0°	25.0	22.6	25.6	29.5	28.0	20.4	14.3	12.0	11.5	12.4	17.2	17.6	983.3
77,5°	11.6	14.3	17.1	18.0	15.2	11.7	10.3	8.3	6.8	6.6	10.8	9.5	992.9
80,0°	6.5	7.0	8.1	8.5	8.0	7.4	6.3	4.9	3.3	2.0	1.6	4.4	997.3
82,5°	3.3	3.6	4.1	4.1	4.3	4.1	3.3	2.5	1.9	1.2	1.0	1.9	999.2
85,0°	1.4	1.5	1.6	1.6	1.7	1.7	1.5	1.3	1.0	0.9	0.9	0.6	999.8
87,5°	0.7	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.2	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 31 micro	Order number: 5XH113AT08EA EAN: 4069025510334	LP number 59798_1721
Dimming levels table		environmental temperature: 25°C
		sit eco

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	5560	38.0	39.7	38.8
95	239	252	5281	35.6	37.3	36.4
90	225	250	5012	33.5	35.0	34.2
85	210	247	4720	31.2	32.6	31.9
80	196	245	4441	29.0	30.3	29.6
75	183	242	4178	27.0	28.2	27.6
70	169	239	3890	24.9	26.0	25.4
65	156	236	3618	23.0	24.0	23.5
60	143	233	3343	21.2	22.0	21.6
55	130	229	3063	19.2	20.1	19.6
50	117	226	2779	17.3	18.1	17.7
45	105	222	2513	15.6	16.3	16.0
40	92	217	2221	13.7	14.3	14.0
35	80	212	1947	12.0	12.5	12.2
30	68	206	1670	10.3	10.7	10.5
25	56	199	1390	8.6	8.9	8.8
20	44	190	1106	6.9	7.2	7.0
15	33	179	843	5.4	5.6	5.5
10	21	163	552	3.8	3.9	3.8
9	20	161	528	3.7	3.8	3.8

Dimming levels table			environmental temperature: 5°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	5700	38.5	40.2	39.4
95	239	252	5408	36.1	37.8	37.0
90	225	250	5127	33.9	35.5	34.7
85	211	247	4843	31.7	33.1	32.4
80	197	245	4554	29.5	30.9	30.2
75	184	242	4283	27.6	28.8	28.2
70	170	239	3985	25.4	26.6	26.0
65	157	236	3706	23.5	24.5	24.0
60	144	233	3423	21.6	22.5	22.0
55	131	230	3137	19.6	20.5	20.0
50	118	226	2845	17.7	18.5	18.1
45	106	222	2574	16.0	16.6	16.3
40	93	217	2276	14.0	14.6	14.3
35	81	212	1997	12.3	12.9	12.6
30	69	206	1715	10.7	11.1	10.9
25	57	199	1431	8.9	9.2	9.0
20	45	191	1143	7.2	7.5	7.4
15	33	179	852	5.5	5.7	5.6
10	22	164	582	4.0	4.2	4.1
9	20	161	533	3.8	3.9	3.8

Photometric test report

Family Streetlight 31 micro	Order number: 5XH113AT08EA EAN: 4069025510334	LP number 59798_1721
Dimming levels table		environmental temperature: 15°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	5640	38.2	39.9	39.0
95	239	252	5353	35.9	37.6	36.8
90	225	250	5077	33.7	35.3	34.5
85	211	247	4799	31.5	32.9	32.2
80	197	245	4516	29.3	30.7	30.0
75	183	242	4227	27.2	28.4	27.8
70	170	239	3954	25.3	26.4	25.8
65	156	236	3657	23.2	24.1	23.6
60	143	233	3377	21.3	22.2	21.8
55	130	229	3093	19.4	20.2	19.8
50	118	226	2828	17.6	18.4	18.0
45	105	222	2536	15.7	16.4	16.0
40	93	217	2263	13.9	14.5	14.2
35	80	212	1964	12.1	12.6	12.4
30	68	206	1683	10.4	10.8	10.6
25	56	199	1401	8.7	9.0	8.8
20	45	191	1139	7.1	7.4	7.2
15	33	179	849	5.4	5.7	5.6
10	21	163	556	3.8	3.9	3.8
9	20	161	531	3.7	3.8	3.8

Photometric test report

Family Streetlight 31 micro	Order number: 5XH113AT08EA EAN: 4069025510334	LP number 59798_1721
Luminousfluxs table		siteco

Temperature °C	Luminous flux lm	Power consumption W
25.0	5560.0	38.0
5.0	5700.0	38.5
15.0	5640.0	38.2