



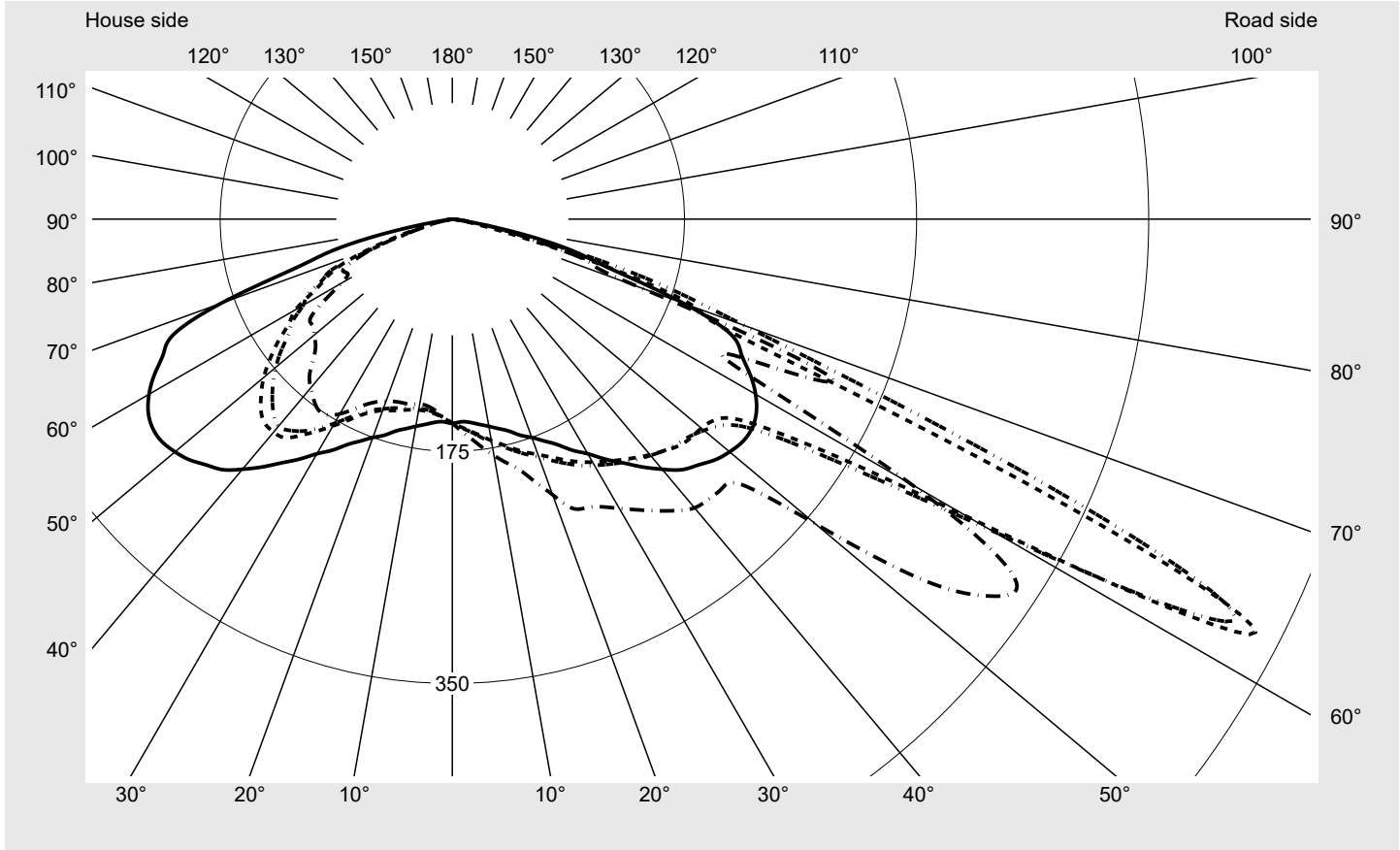
Photometric test report

Family Streetlight 31 micro toolless	Order number: 5XH513AR08EA EAN: 4069025512321	LP number 59798_2176
	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 25.08.2025





Luminous intensity in cd/klm C180-0 C220-40 C225-45 C270-90 **Imax: 678 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:	G3
Imax 70°	623.9
Imax 80°	57.0
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

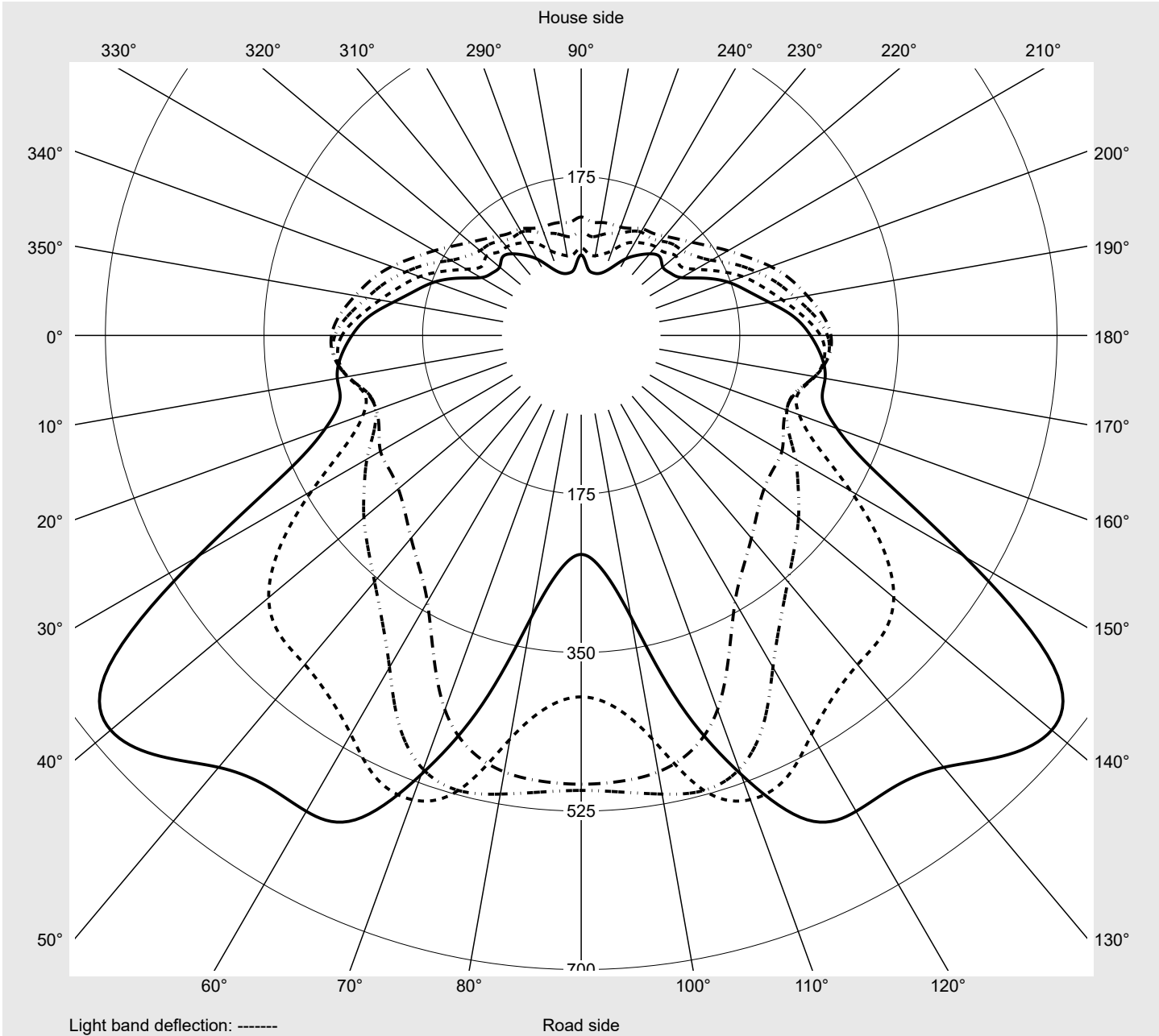
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Streetlight 31 micro toolless	Order number: 5XH513AR08EA EAN: 4069025512321	LP number 59798_2176
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Envelope curve in cd/klm **KMK 62.5°** **KMK 60°** **KMK 57.5°** **KMK 55°** **siteco**



Photometric test report

Family Streetlight 31 micro toolless	Order number: 5XH513AR08EA EAN: 4069025512321	LP number 59798_2176
Table of values for luminous intensities		Maximum luminous intensity



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 toolless	Order number: 5XH513AR08EA EAN: 4069025512321	LP number 59798_2176
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 toolless	Order number: 5XH513AR08EA EAN: 4069025512321	LP number 59798_2176
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°	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

Photometric test report

Family Streetlight 31 micro toolless	Order number: 5XH513AR08EA EAN: 4069025512321	LP number 59798_2176
Dimming levels table		siteco
environmental temperature: 25°C		

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	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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	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 toolless	Order number: 5XH513AR08EA EAN: 4069025512321	LP number 59798_2176
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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] 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 toolless	Order number: 5XH513AR08EA EAN: 4069025512321	LP number 59798_2176
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Luminousfluxs table	siteco
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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