

Photometric test report

Family
Streetlight 31 mini toolless



Order number: 5XH614AT08JA
EAN: 4069025513786

Version

Optic

Cover

Lamps

Controlgear

Rated values

post-top or side-entry mounting, Smart Interface up/down

asymmetric distribution (PL32G)

toughened safety glass

LED 4000 K | CRI ≥ 70

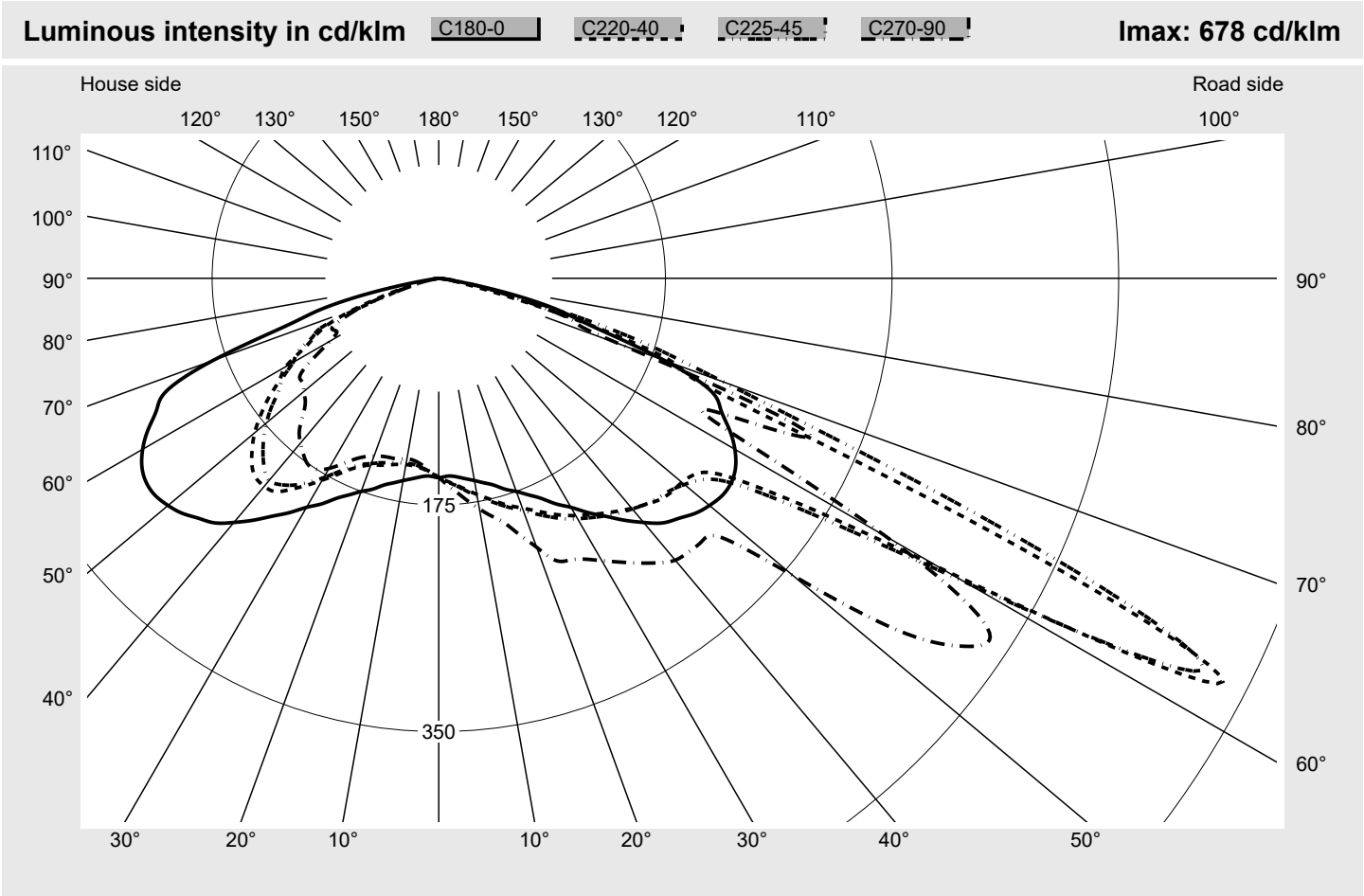
ECG SITECO - Smart Interface

Net luminous flux = 12630 lm
Power consumption = 82.5 W
Luminous efficacy = 153.1 lm/W

LP number
59798_2102

serial
documentation
25.08.2025

siteco

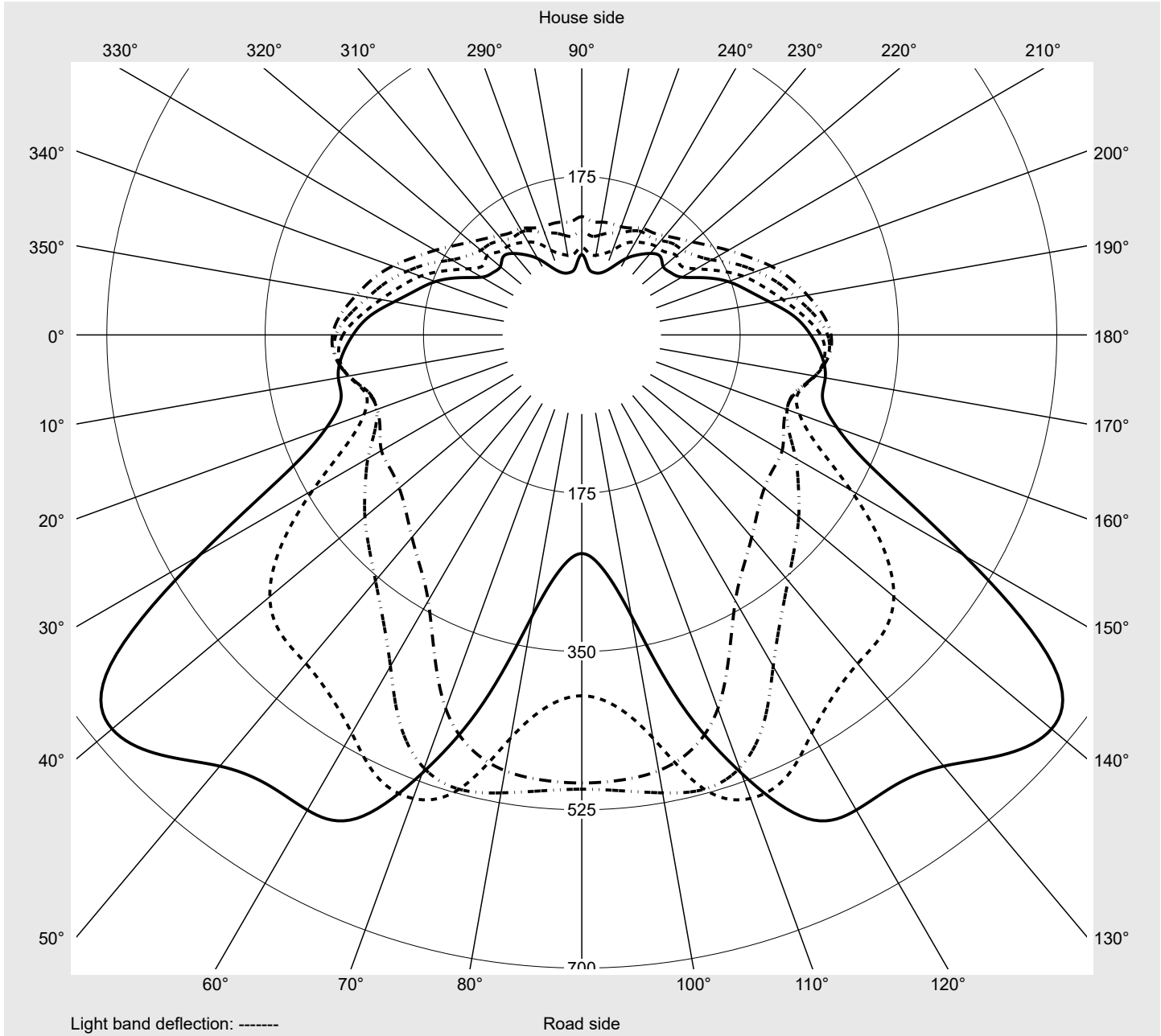


Luminaire output ratios		Luminous intensity class acc. to EN13201-2	
Eta	100.0%	Class:	G3
Eta 0° - 90°	100.0%	Imax 70°	623.9
Eta 90° - 180°	0.0%	Imax 80°	57.0
		Imax 90°	0.0
		Imax >90°	0.0
		Imax >95°	0.0
Measurement conditions			
DIN EN 13032 and DIN 5032			

Photometric test report

Family Streetlight 31 mini toolless	Order number: 5XH614AT08JA EAN: 4069025513786	LP number 59798_2102
Envelope curve in cd/klm		KMK 62.5° KMK 60° KMK 57.5° KMK 55°

siteco



Photometric test report

Family Streetlight 31 mini toolless	Order number: 5XH614AT08JA EAN: 4069025513786	LP number 59798_2102
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Table of values for luminous intensities	Maximum luminous intensity	siteco
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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 mini toolless		Order number: 5XH614AT08JA EAN: 4069025513786										LP number 59798_2102	
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 mini toolless		Order number: 5XH614AT08JA EAN: 4069025513786										LP number 59798_2102	
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 mini toolless	Order number: 5XH614AT08JA EAN: 4069025513786	LP number 59798_2102
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	12630	82.5	90.1	86.3
95	238	252	11985	77.0	84.1	80.6
90	223	249	11358	71.9	78.4	75.2
85	209	247	10752	67.2	73.2	70.2
80	194	244	10088	62.3	67.8	65.0
75	180	241	9455	57.6	62.8	60.2
70	167	239	8851	53.3	58.1	55.7
65	153	235	8188	48.9	53.1	51.0
60	140	232	7561	44.7	48.6	46.7
55	128	229	6970	40.9	44.4	42.6
50	115	225	6318	36.8	39.9	38.3
45	103	221	5705	33.1	35.8	34.4
40	90	216	5031	29.0	31.4	30.2
35	78	211	4399	25.3	27.4	26.4
30	67	205	3811	22.0	23.7	22.8
25	55	198	3161	18.4	19.8	19.1
20	43	189	2502	15.0	16.0	15.5
15	32	178	1891	11.8	12.6	12.2
10	21	163	1273	8.4	9.1	8.8
9	18	157	1103	7.2	7.8	7.5

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	13000	83.5	91.2	87.4
95	239	252	12357	78.3	85.5	81.9
90	224	249	11696	73.2	79.8	76.5
85	210	247	11064	68.4	74.6	71.5
80	196	245	10416	63.7	69.4	66.6
75	182	242	9758	59.1	64.3	61.7
70	168	239	9085	54.5	59.2	56.8
65	155	236	8448	50.2	54.6	52.4
60	142	233	7801	45.9	50.0	48.0
55	129	229	7145	41.8	45.3	43.6
50	116	225	6475	37.6	40.8	39.2
45	104	221	5849	33.9	36.7	35.3
40	92	217	5213	30.0	32.6	31.3
35	80	212	4569	26.3	28.4	27.4
30	68	206	3917	22.6	24.4	23.5
25	56	199	3256	19.0	20.5	19.8
20	44	190	2588	15.5	16.6	16.0
15	33	179	1969	12.3	13.1	12.7
10	21	163	1287	8.5	9.2	8.8
9	18	157	1115	7.3	8.0	7.6

Photometric test report

Family Streetlight 31 mini toolless	Order number: 5XH614AT08JA EAN: 4069025513786	LP number 59798_2102
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	12830	83.0	90.6	86.8
95	239	252	12206	77.8	84.9	81.4
90	224	249	11561	72.7	79.3	76.0
85	209	247	10898	67.7	73.7	70.7
80	195	244	10263	63.0	68.6	65.8
75	181	242	9615	58.3	63.5	60.9
70	168	239	9001	54.1	58.8	56.4
65	154	236	8326	49.5	53.8	51.6
60	141	232	7689	45.3	49.2	47.2
55	128	229	7039	41.2	44.7	43.0
50	116	225	6428	37.3	40.5	38.9
45	103	221	5756	33.3	36.1	34.7
40	91	216	5126	29.5	31.9	30.7
35	79	211	4487	25.8	27.9	26.8
30	67	205	3840	22.2	23.9	23.0
25	55	198	3184	18.6	20.0	19.3
20	44	190	2575	15.4	16.5	16.0
15	32	178	1904	11.9	12.7	12.3
10	21	163	1281	8.5	9.2	8.8
9	18	157	1110	7.2	7.9	7.6

Photometric test report

Family Streetlight 31 mini toolless	Order number: 5XH614AT08JA EAN: 4069025513786	LP number 59798_2102
Luminousfluxs table		siteco

Temperature °C	Luminous flux lm	Power consumption W
25.0	12630.0	82.5
5.0	13000.0	83.5
15.0	12830.0	83.0