

Photometric test report

Family Streetlight 31 mini

Order number: 5XH2A35M08HA
EAN: 4069025101587

LP number
59580_674

serial
documentation
14.01.2025



Version	post-top or side-entry mounting, NEMA 7 pin (DALI) + Zhaga down
Optic	direct, asymmetric extremely wide distribution P100003
Cover	toughened safety glass
Lamps	LED 3000 K CRI ≥ 70
Controlgear	ECG SITECO - Smart Interface
Rated values	Net luminous flux = 8970 lm Power consumption = 68.3 W Luminous efficacy = 131.3 lm/W

siteco

Luminous intensity in cd/klm

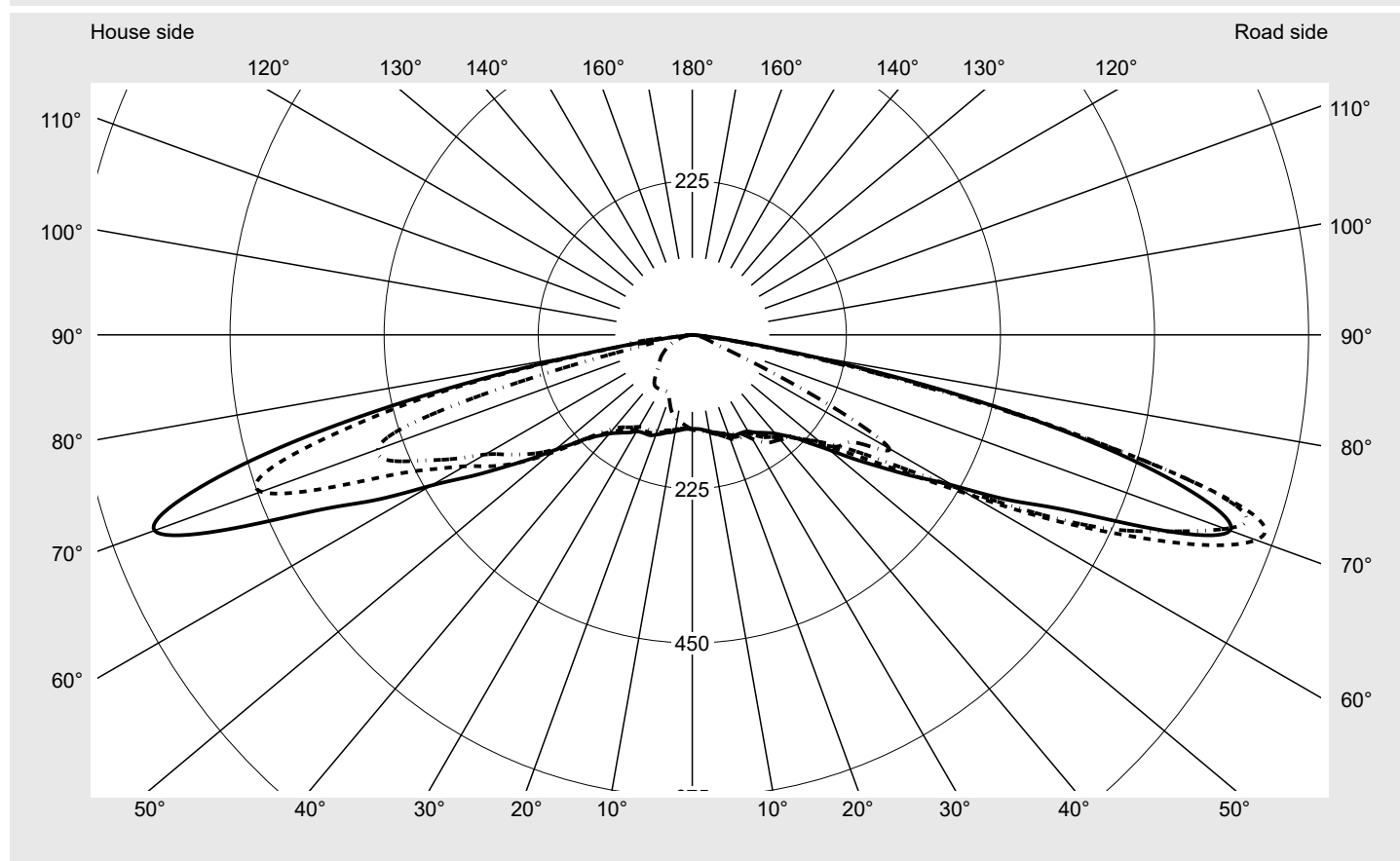
C180-0

C185-5

C190-10

C270-90

Imax: 876 cd/klm



Luminaire output ratios

Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

Measurement conditions

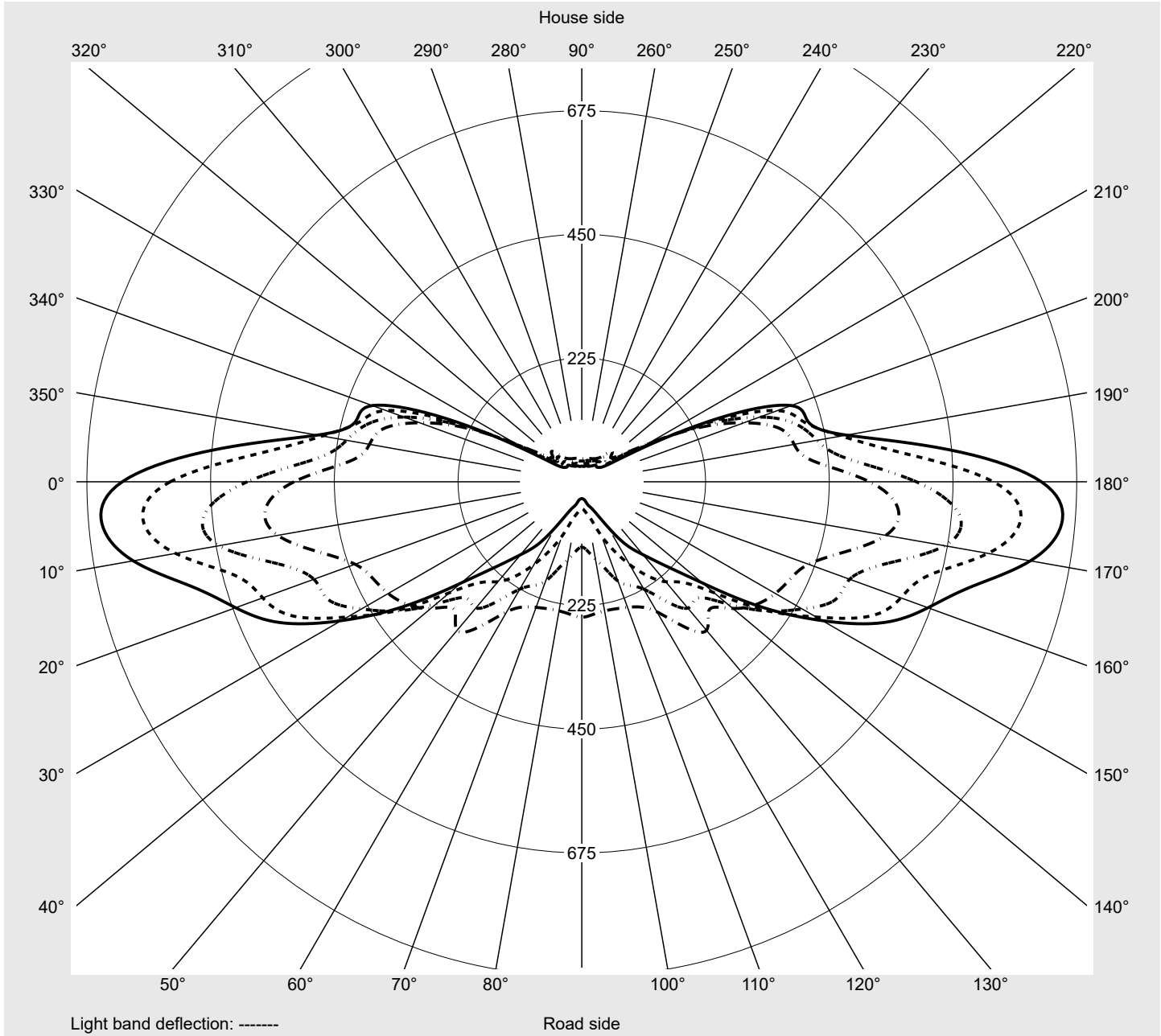
DIN EN 13032 and DIN 5032

Luminous intensity class acc. to EN13201-2

Class:	G1
Imax 70°	876.0
Imax 80°	162.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

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Envelope curve in cd/klm KMK 70° KMK 67.5° KMK 65° KMK 62.5°		sit eco



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Family Streetlight 31 mini		Order number: 5XH2A35M08HA EAN: 4069025101587										LP number 59580_674	
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°	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7
2,5°	137.6	137.8	138.1	138.4	138.7	138.9	139.1	139.2	139.4	139.6	139.8	140.0	140.2
5,0°	138.5	139.2	139.6	140.3	140.5	140.9	141.1	141.2	141.4	141.4	141.4	141.3	141.2
7,5°	140.5	141.3	142.0	142.6	143.1	143.3	143.5	143.3	143.1	142.9	142.6	142.4	142.2
10,0°	143.0	144.0	144.7	145.4	145.8	145.8	145.8	145.5	145.2	145.0	145.0	144.8	144.8
12,5°	145.8	146.9	147.9	148.9	149.3	149.4	149.3	149.0	148.9	149.1	149.1	149.3	149.3
15,0°	148.1	149.7	151.3	152.6	153.4	153.6	153.4	153.2	153.5	153.9	154.4	154.3	153.8
17,5°	151.7	153.6	155.7	157.5	158.7	158.8	158.8	159.1	159.4	159.8	159.7	159.2	158.2
20,0°	155.1	158.1	161.0	163.3	164.2	164.1	164.6	165.3	165.7	165.4	164.5	163.2	161.8
22,5°	158.8	161.7	165.4	168.6	169.9	170.3	170.6	171.2	171.3	170.6	169.1	167.3	166.1
25,0°	159.7	162.7	166.1	169.6	172.1	174.1	175.7	176.2	175.6	174.6	173.5	172.8	171.9
27,5°	160.5	163.1	166.1	169.3	172.0	175.1	178.4	179.6	178.9	178.4	178.4	178.1	176.9
30,0°	162.9	166.0	168.1	170.2	171.6	174.4	178.2	181.1	182.4	182.5	182.5	182.3	182.5
32,5°	168.9	172.1	174.5	175.7	174.6	174.4	176.5	180.0	185.2	187.4	187.6	188.9	191.5
35,0°	174.4	178.4	182.5	184.8	182.5	180.4	176.7	177.9	185.6	194.2	194.3	195.4	199.0
37,5°	180.6	184.7	188.1	190.0	189.4	187.5	184.0	179.4	184.8	195.6	197.1	198.4	207.5
40,0°	188.3	193.0	196.0	196.4	195.8	194.5	193.8	189.1	183.5	191.7	198.6	205.7	221.9
42,5°	199.5	201.6	203.3	202.7	200.8	199.7	201.6	201.1	191.3	187.7	204.5	218.7	240.8
45,0°	212.8	213.5	214.0	210.6	206.9	204.9	205.5	210.8	207.3	188.5	215.7	238.2	261.1
47,5°	234.8	228.3	226.8	222.0	215.4	211.2	210.0	219.7	224.9	198.8	232.6	260.4	279.8
50,0°	261.5	249.9	243.2	238.9	228.9	221.6	220.2	228.8	245.1	220.2	254.2	283.6	303.5
52,5°	297.7	280.2	266.1	259.2	247.5	239.7	238.5	246.0	265.8	247.9	282.3	316.4	335.3
55,0°	337.4	322.0	301.1	288.9	277.4	268.8	266.3	269.5	288.8	278.7	319.2	344.1	347.3
57,5°	385.1	381.6	359.0	337.9	321.9	309.6	301.3	298.3	309.3	319.9	348.2	353.7	371.5
60,0°	440.3	466.2	448.4	408.8	375.5	357.0	344.2	340.3	341.9	339.0	355.2	362.7	338.2
62,5°	523.2	577.6	561.4	494.1	438.7	418.3	406.4	388.4	358.4	328.4	352.8	320.5	273.2
65,0°	608.4	689.1	670.0	574.3	518.4	508.2	462.7	409.5	345.5	298.5	299.9	263.6	225.5
67,5°	748.5	800.9	750.1	654.7	617.4	578.3	491.9	407.7	313.8	258.9	237.3	209.1	173.7
70,0°	835.7	876.0	828.3	735.0	669.9	605.9	505.2	395.6	286.5	216.9	173.1	138.8	95.3
72,5°	767.9	847.4	834.6	753.0	675.5	624.1	476.4	338.3	269.5	155.5	103.4	68.3	45.4
75,0°	601.3	627.5	623.8	596.1	588.3	536.2	347.0	224.8	141.1	94.6	57.6	37.7	31.5
77,5°	377.2	369.4	340.9	324.6	382.3	290.7	181.7	68.8	46.5	55.4	30.3	22.6	19.4
80,0°	162.9	136.5	129.6	138.8	127.6	130.2	48.4	27.0	26.4	29.1	16.9	12.4	11.1
82,5°	43.8	36.6	34.8	35.5	31.5	36.1	19.4	15.8	10.2	11.2	8.3	6.4	6.1
85,0°	4.0	3.8	4.0	5.1	5.8	5.1	4.0	3.4	3.4	3.3	3.4	2.9	2.4
87,5°	1.6	1.6	1.6	1.6	1.4	1.4	1.4	1.2	1.1	1.0	1.0	0.9	0.8
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°	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7
2,5°	140.3	140.4	140.6	140.7	140.6	140.7	137.3	136.8	136.5	136.2	136.0	135.7	135.4
5,0°	141.1	141.1	141.1	141.0	141.0	140.9	137.8	137.0	136.4	135.7	135.0	134.3	133.8
7,5°	142.0	142.0	142.0	141.9	141.9	141.9	139.4	138.3	137.3	136.3	135.2	134.2	133.3
10,0°	144.7	144.6	144.5	144.5	144.5	144.5	141.8	140.4	139.1	137.7	136.2	134.7	133.2
12,5°	149.0	148.6	148.1	147.8	147.6	147.5	144.3	142.7	141.1	139.3	137.4	135.6	134.0
15,0°	153.2	152.3	151.4	150.5	149.8	149.5	146.4	144.4	142.4	140.2	138.1	136.0	133.8
17,5°	157.0	155.4	153.9	152.4	151.3	151.0	149.2	146.7	143.9	141.2	138.5	135.7	132.9
20,0°	160.4	158.8	156.9	154.9	153.7	153.4	152.3	149.1	145.6	142.2	138.6	135.3	132.1
22,5°	165.5	164.5	162.2	159.4	157.3	156.6	155.1	151.1	147.4	143.6	139.6	135.8	131.5
25,0°	170.8	168.7	166.0	162.7	159.8	158.7	156.2	152.3	148.5	144.4	140.4	136.2	130.8
27,5°	176.0	174.0	171.6	168.7	166.2	165.0	156.9	153.1	149.2	145.0	140.9	135.8	128.2
30,0°	184.5	184.6	183.8	180.6	177.2	175.4	159.5	155.3	150.8	146.5	141.8	134.9	123.5
32,5°	195.4	197.6	198.7	194.5	188.1	184.6	164.6	159.9	154.5	149.5	143.2	133.0	116.6
35,0°	205.3	212.3	214.6	208.3	197.4	192.2	170.0	164.9	159.2	153.4	144.3	128.6	108.6
37,5°	220.1	229.7	229.4	219.5	203.8	196.1	176.3	170.3	164.6	157.3	143.9	122.6	101.1
40,0°	239.9	248.1	246.3	233.7	211.7	199.9	185.0	179.2	172.3	162.5	142.6	115.1	94.4
42,5°	259.0	266.7	261.1	245.8	218.9	204.2	197.3	191.9	183.9	169.6	139.8	107.7	88.8
45,0°	276.7	281.0	272.9	255.5	228.0	209.9	214.7	210.8	199.3	178.4	137.7	99.9	85.4
47,5°	294.0	298.2	291.4	276.4	250.6	234.4	237.9	233.7	216.5	188.6	139.4	93.3	84.2
50,0°	322.1	330.4	318.6	300.5	266.7	251.3	267.9	259.4	235.1	201.0	143.1	91.2	85.4
52,5°	348.5	350.6	342.2	322.0	287.4	267.8	300.3	283.5	253.9	216.6	153.4	94.5	87.8
55,0°	363.6	368.7	344.6	319.7	295.6	274.8	330.8	304.6	274.6	235.8	169.5	102.0	89.2
57,5°	371.4	338.9	325.0	316.3	309.8	299.1	357.3	325.2	301.8	259.9	193.8	115.5	89.8
60,0°	311.8	300.4	292.0	295.6	316.6	332.1	383.9	349.6	330.6	283.7	214.3	128.4	88.8
62,5°	251.4	243.1	239.2	238.5	242.0	246.4	424.5	392.1	373.3	313.8	231.2	134.7	84.5
65,0°	208.3	192.0	163.2	143.3	126.9	119.0	484.3	434.6	404.0	344.1	241.6	131.4	74.2
67,5°	138.1	105.2	74.8	60.9	52.4	49.2	589.7	479.2	419.0	378.8	255.5	121.3	59.0
70,0°	65.5	51.0	43.8	35.2	31.7	30.6	669.9	488.6	425.5	405.3	271.8	102.8	48.7
72,5°	37.7	35.0	33.9	26.0	23.8	23.5	643.4	428.4	419.5	405.8	255.3	81.7	43.6
75,0°	27.9	25.6	24.4	19.8	17.9	17.5	513.0	241.7	319.6	334.9	189.4	58.8	35.0
77,5°	18.2	17.0	15.9	14.2	12.4	12.4	350.6	78.7	160.1	216.5	109.0	42.1	26.4
80,0°	11.5	10.3	9.6	8.1	7.6	7.5	145.4	68.9	132.5	123.3	59.1	28.9	17.3
82,5°	5.9	5.1	4.8	4.2	3.9	4.0	45.8	92.4	98.2	54.2	31.1	19.5	11.7
85,0°	2.2	2.0	1.8	1.6	1.6	1.5	3.8	6.6	9.0	5.6	8.5	7.6	5.3
87,5°	0.8	0.6	0.5	0.5	0.5	0.5	1.7	1.8	1.8	1.8	1.8	1.7	1.7
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

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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°	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	0.2	0.2		
2,5°	135.3	135.0	134.9	134.9	134.7	134.7	134.9	134.9	135.0	135.1	135.1	1.6	1.9		
5,0°	133.2	132.7	132.4	132.1	131.9	131.7	131.8	131.7	131.8	131.8	131.8	3.3	5.1		
7,5°	132.4	131.5	130.8	130.0	129.4	129.1	128.9	128.9	128.8	128.8	128.9	4.9	10.1		
10,0°	131.9	130.7	129.6	128.6	127.8	126.9	126.4	126.0	125.8	125.8	125.6	6.6	16.6		
12,5°	132.1	130.2	128.2	126.5	125.0	123.7	122.6	121.8	121.3	121.2	121.1	8.3	24.9		
15,0°	131.3	129.1	126.7	124.4	122.2	120.3	118.7	117.3	116.5	116.0	115.9	10.0	34.9		
17,5°	130.2	127.4	124.7	121.4	117.9	114.7	111.9	109.7	108.3	107.5	107.3	11.7	46.7		
20,0°	128.7	125.0	120.6	115.6	110.7	106.5	103.3	100.9	99.4	98.7	98.5	13.4	60.0		
22,5°	126.5	120.4	113.3	106.9	101.5	97.5	94.6	93.0	92.2	92.0	91.9	15.0	75.0		
25,0°	122.9	113.4	104.7	97.9	93.4	91.1	90.1	90.1	90.3	90.8	91.0	16.6	91.7		
27,5°	116.8	105.0	96.2	91.1	89.0	88.7	89.2	89.9	90.7	91.3	91.4	18.3	110.0		
30,0°	108.8	97.0	90.0	87.8	87.6	87.9	89.0	90.3	91.2	92.0	92.2	20.0	130.0		
32,5°	101.0	90.7	87.2	87.1	86.9	87.4	88.7	90.5	91.8	92.7	92.7	22.0	152.0		
35,0°	93.8	87.1	86.7	86.6	86.4	87.1	88.8	90.7	92.3	92.8	92.7	24.1	176.0		
37,5°	89.0	86.6	86.7	86.0	85.9	86.8	88.2	89.9	91.1	91.2	90.8	26.1	202.1		
40,0°	86.3	86.8	85.9	85.4	85.7	86.0	86.4	86.9	87.0	86.2	85.5	28.3	230.5		
42,5°	86.3	86.6	85.4	85.2	84.9	84.4	83.0	81.7	80.6	79.4	78.7	30.7	261.1		
45,0°	86.9	86.1	84.8	83.6	82.2	80.6	78.7	76.5	74.5	72.5	71.7	33.3	294.4		
47,5°	88.0	86.7	83.6	80.8	78.1	76.1	74.1	71.8	69.7	67.7	66.9	36.5	330.9		
50,0°	90.6	89.1	81.1	76.3	73.1	71.2	69.0	67.0	65.3	63.7	63.1	40.4	371.3		
52,5°	92.5	90.6	77.8	71.4	68.2	66.2	64.1	62.3	60.9	59.7	59.1	44.9	416.2		
55,0°	91.0	89.5	75.1	67.0	63.6	61.4	59.1	57.8	56.7	55.7	55.6	49.6	465.8		
57,5°	87.1	90.3	71.6	62.0	58.0	56.1	54.5	53.4	52.6	51.2	51.1	54.7	520.5		
60,0°	79.8	88.3	67.6	57.7	53.6	51.4	49.9	49.0	48.1	46.8	46.6	59.3	579.8		
62,5°	68.5	77.9	63.2	52.8	48.6	46.4	45.1	44.2	43.2	42.2	41.9	62.7	642.5		
65,0°	57.6	63.2	56.5	47.7	44.1	41.7	40.4	40.3	38.7	37.8	37.8	64.7	707.2		
67,5°	48.5	48.6	48.1	41.8	38.5	36.5	35.2	35.0	33.6	33.4	33.2	66.2	773.4		
70,0°	40.7	38.1	39.3	35.9	33.1	31.1	30.1	30.0	28.5	28.1	28.5	67.0	840.4		
72,5°	34.1	30.9	31.6	30.4	28.1	26.2	25.0	24.7	23.5	22.9	22.9	63.1	903.6		
75,0°	28.3	25.1	25.1	24.8	23.1	21.3	20.1	19.5	18.5	17.9	18.2	48.2	951.8		
77,5°	22.0	19.5	18.9	19.3	17.9	16.5	15.2	14.3	13.9	13.4	13.5	27.9	979.7		
80,0°	15.2	13.6	13.0	13.6	12.6	11.5	10.6	9.9	9.4	9.2	9.2	13.1	992.8		
82,5°	10.2	9.1	8.0	8.7	8.1	7.4	6.8	6.2	5.7	5.6	5.7	5.7	998.5		
85,0°	5.1	4.8	4.6	4.6	4.6	4.0	3.6	3.3	3.0	3.1	3.1	1.1	999.6		
87,5°	1.6	1.6	1.6	1.4	1.4	1.5	1.5	1.4	1.3	1.4	1.2	0.4	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	Order number: 5XH2A35M08HA EAN: 4069025101587	LP number 59580_674
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	8970	68.3	74.5	71.4
95	238	252	8534	63.8	69.5	66.6
90	222	249	8079	59.3	64.5	61.9
85	207	247	7637	55.2	60.0	57.6
80	192	244	7182	51.2	55.6	53.4
75	178	241	6742	47.5	51.5	49.5
70	164	238	6290	43.6	47.4	45.5
65	150	235	5825	39.8	43.3	41.6
60	137	231	5382	36.3	39.4	37.8
55	124	228	4926	32.7	35.5	34.1
50	112	224	4498	29.5	32.0	30.8
45	99	219	4021	26.0	28.3	27.2
40	87	215	3573	23.0	24.8	23.9
35	76	210	3153	20.2	21.8	21.0
30	64	204	2686	17.2	18.5	17.8
25	53	197	2249	14.6	15.7	15.2
20	42	188	1805	12.0	12.9	12.4
15	31	177	1352	9.5	10.1	9.8
11	23	166	1019	7.7	8.2	8.0

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	9250	69.1	75.3	72.2
95	238	252	8784	64.5	70.3	67.4
90	223	249	8333	60.3	65.6	63.0
85	208	247	7867	56.2	61.0	58.6
80	193	244	7390	52.1	56.5	54.3
75	179	241	6931	48.3	52.4	50.3
70	165	238	6462	44.5	48.3	46.4
65	152	235	6015	40.9	44.4	42.6
60	139	232	5557	37.3	40.5	38.9
55	126	228	5090	33.7	36.6	35.2
50	113	224	4614	30.2	32.8	31.5
45	101	220	4164	26.9	29.2	28.0
40	89	216	3706	23.8	25.8	24.8
35	77	210	3238	20.7	22.4	21.5
30	65	204	2764	17.7	19.1	18.4
25	54	197	2319	15.1	16.1	15.6
20	43	189	1869	12.5	13.3	12.9
15	31	177	1368	9.7	10.3	10.0
11	23	166	1030	7.8	8.3	8.0

Photometric test report

Family Streetlight 31 mini	Order number: 5XH2A35M08HA EAN: 4069025101587	LP number 59580_674
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	9120	68.7	74.9	71.8
95	238	252	8668	64.2	69.9	67.1
90	222	249	8200	59.6	64.9	62.2
85	207	247	7744	55.6	60.3	58.0
80	193	244	7308	51.8	56.2	54.0
75	178	241	6826	47.7	51.8	49.8
70	165	238	6398	44.2	48.0	46.1
65	151	235	5925	40.3	43.8	42.0
60	138	232	5474	36.8	39.9	38.3
55	125	228	5012	33.2	36.1	34.7
50	113	224	4578	29.9	32.5	31.2
45	100	220	4095	26.5	28.7	27.6
40	88	215	3643	23.3	25.3	24.3
35	76	210	3179	20.3	21.9	21.1
30	65	204	2747	17.6	19.0	18.3
25	53	197	2266	14.7	15.8	15.2
20	42	188	1818	12.1	13.0	12.6
15	31	177	1361	9.6	10.2	9.9
11	23	166	1025	7.8	8.2	8.0

Photometric test report

Family Streetlight 31 mini	Order number: 5XH2A35M08HA EAN: 4069025101587	LP number 59580_674
Luminousfluxs table		siteco

Temperature °C	Luminous flux lm	Power consumption W
25.0	8970.0	68.3
5.0	9250.0	69.1
15.0	9120.0	68.7