
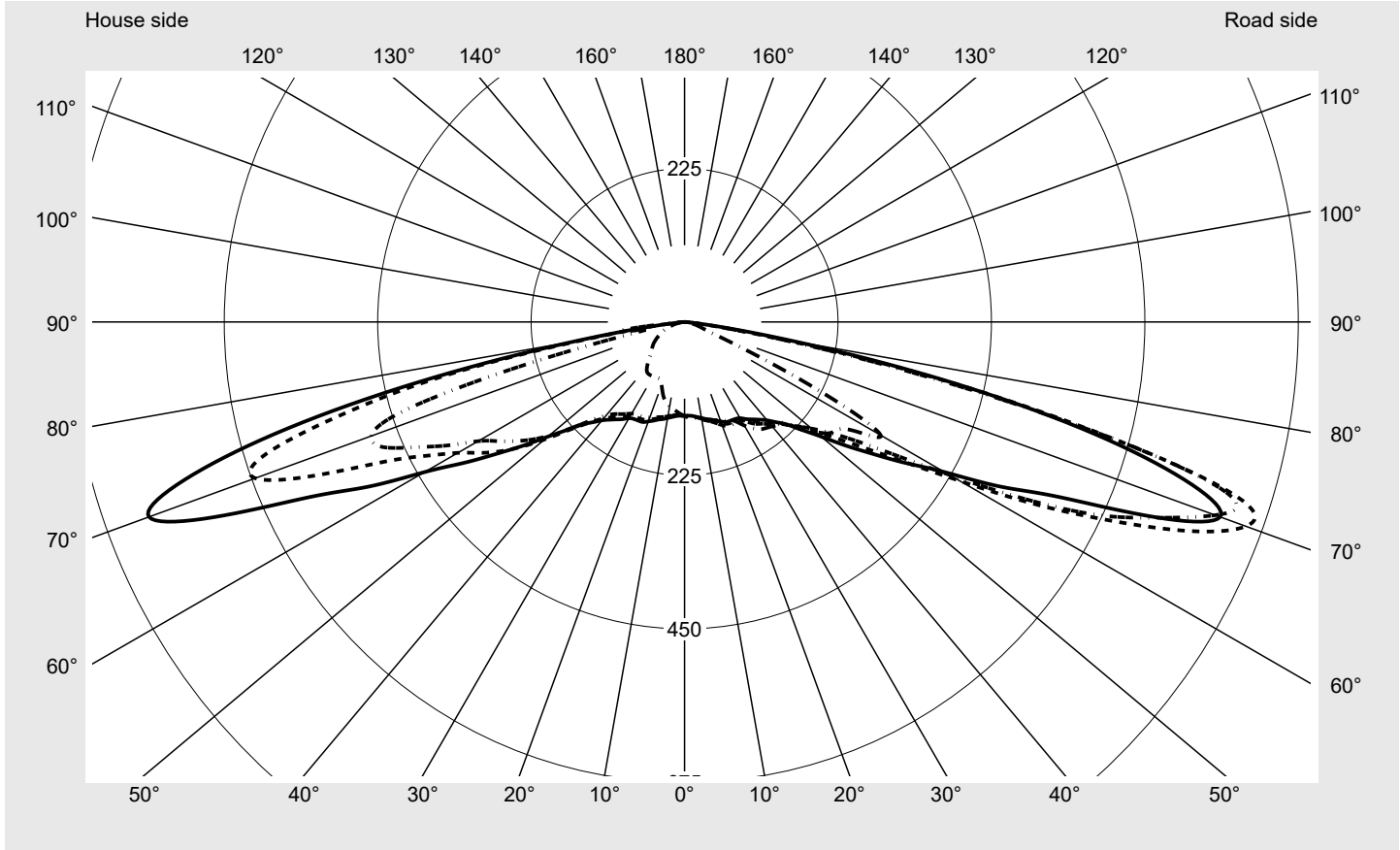


# Photometric test report

<b>Family</b> <b>Streetlight 31 micro toolless</b>	<b>Order number: 5XH5A31T08CA</b> <b>EAN: 4069025102959</b>	<b>LP number</b> <b>59580_465</b>
	<b>Version</b> post-top or side-entry mounting, Smart Interface up/down <b>Optic</b> asymmetric, extremely wide distribution (P1.0a) <b>Cover</b> toughened safety glass <b>Lamps</b> LED 3000 K   CRI ≥ 70 <b>Controlgear</b> ECG SITECO - Smart Interface <b>Rated values</b> Net luminous flux = 1400 lm Power consumption = 10.2 W Luminous efficacy = 137.3 lm/W	<b>serial documentation</b> <b>18.04.2024</b>



**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%

**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

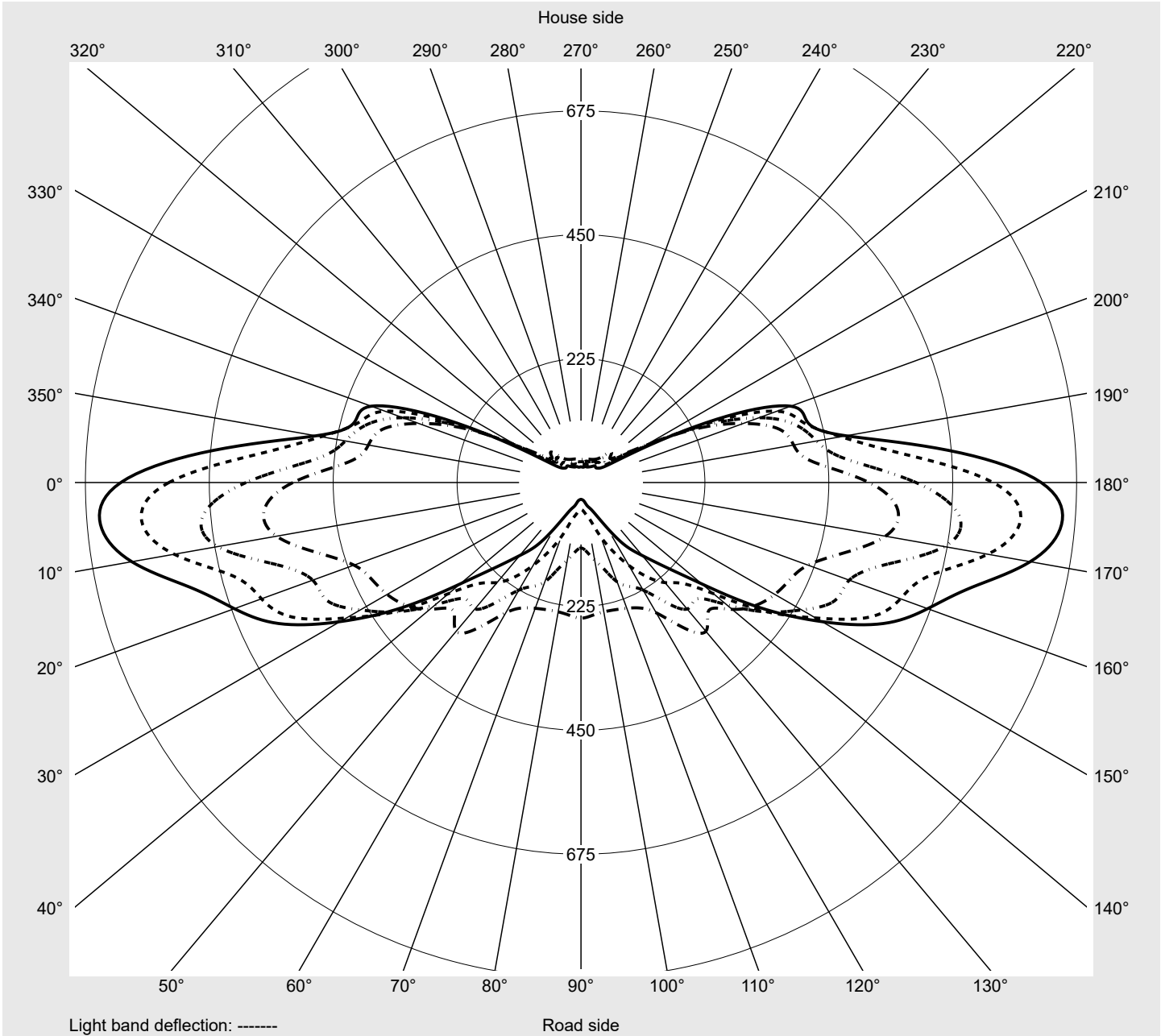
**Measurement conditions**

DIN EN 13032 and DIN 5032

**Photometric test report**

<b>Family</b> Streetlight 31 micro toolless	<b>Order number: 5XH5A31T08CA</b> <b>EAN: 4069025102959</b>	<b>LP number</b> 59580_465
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**Envelope curve in cd/klm**      **KMK 70°**    **KMK 67.5°**    **KMK 65°**    **KMK 62.5°**      **siteco**



## Photometric test report

<b>Family</b> Streetlight 31 micro toolless	<b>Order number: 5XH5A31T08CA</b> <b>EAN: 4069025102959</b>	<b>LP number</b> <b>59580_465</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>



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°
$\gamma$	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

## Photometric test report

<b>Family</b> Streetlight 31 micro toolless	<b>Order number: 5XH5A31T08CA</b> <b>EAN: 4069025102959</b>	<b>LP number</b> 59580_465
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>



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°
$\gamma$	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

## Photometric test report

<b>Family</b> Streetlight 31 micro toolless	<b>Order number: 5XH5A31T08CA</b> <b>EAN: 4069025102959</b>	<b>LP number</b> 59580_465
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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

## Photometric test report

<b>Family</b> Streetlight 31 micro toolless	<b>Order number: 5XH5A31T08CA</b> <b>EAN: 4069025102959</b>	<b>LP number</b> 59580_465
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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>siteco</b>
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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	1400	10.2	10.5	10.4
95	240	252	1330	9.8	10.0	9.9
90	226	250	1260	9.2	9.5	9.4
85	212	247	1190	8.7	8.9	8.8
80	198	245	1118	8.1	8.4	8.2
75	185	242	1050	7.7	7.9	7.8
70	171	240	977	7.2	7.3	7.2
65	158	237	908	6.7	6.9	6.8
60	145	233	839	6.2	6.4	6.3
55	132	230	768	5.7	5.9	5.8
50	120	227	703	5.4	5.5	5.4
45	107	222	630	5.0	5.1	5.0
40	94	218	558	4.5	4.6	4.6
35	82	213	490	4.1	4.2	4.2
30	70	207	422	3.6	3.7	3.6
25	58	200	353	3.1	3.2	3.2
20	46	191	282	2.5	2.6	2.6
15	34	180	212	1.9	2.0	2.0
10	22	164	141	1.3	1.4	1.4
10	21	163	135	1.3	1.3	1.3

<b>Dimming levels table</b>	environmental temperature: 5°C
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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	1420	10.4	10.7	10.6
95	240	252	1349	9.9	10.1	10.0
90	226	250	1278	9.4	9.6	9.5
85	212	247	1206	8.8	9.1	9.0
80	199	245	1137	8.4	8.5	8.4
75	185	242	1064	7.8	8.0	7.9
70	172	240	994	7.3	7.5	7.4
65	159	237	924	6.8	7.0	6.9
60	146	234	854	6.4	6.5	6.4
55	133	230	783	5.8	6.0	5.9
50	120	227	711	5.5	5.6	5.6
45	107	222	637	5.1	5.1	5.1
40	95	218	570	4.6	4.7	4.6
35	82	213	495	4.2	4.3	4.2
30	70	207	426	3.7	3.8	3.8
25	58	200	356	3.2	3.3	3.2
20	46	191	286	2.6	2.7	2.7
15	34	180	214	2.0	2.1	2.0
10	22	164	143	1.3	1.4	1.4
10	21	163	137	1.3	1.3	1.3

## Photometric test report

<b>Family</b> Streetlight 31 micro toolless	<b>Order number: 5XH5A31T08CA</b> <b>EAN: 4069025102959</b>	<b>LP number</b> <b>59580_465</b>
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<b>Dimming levels table</b>	environmental temperature: 15°C	<b>siteco</b>
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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	1410	10.3	10.6	10.4
95	240	252	1340	9.8	10.1	10.0
90	226	250	1269	9.3	9.5	9.4
85	212	247	1197	8.7	9.0	8.8
80	199	245	1131	8.3	8.4	8.4
75	185	242	1057	7.8	7.9	7.8
70	172	240	989	7.2	7.5	7.4
65	158	237	914	6.7	7.0	6.8
60	145	233	843	6.3	6.4	6.4
55	133	230	778	5.8	5.9	5.8
50	120	227	707	5.4	5.5	5.4
45	107	222	634	5.0	5.1	5.0
40	95	218	567	4.6	4.7	4.6
35	82	213	493	4.2	4.2	4.2
30	70	207	424	3.7	3.8	3.8
25	58	200	354	3.1	3.2	3.2
20	46	191	284	2.6	2.7	2.7
15	34	180	213	2.0	2.1	2.0
10	22	164	142	1.3	1.4	1.4
10	21	163	136	1.3	1.3	1.3

**Photometric test report**

<b>Family</b> Streetlight 31 micro toolless	<b>Order number: 5XH5A31T08CA</b> <b>EAN: 4069025102959</b>	<b>LP number</b> <b>59580_465</b>
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**Luminousfluxs table** **sITeco**

Temperature °C	Luminous flux lm	Power consumption W
25.0	1400.0	10.2
5.0	1420.0	10.4
15.0	1410.0	10.3