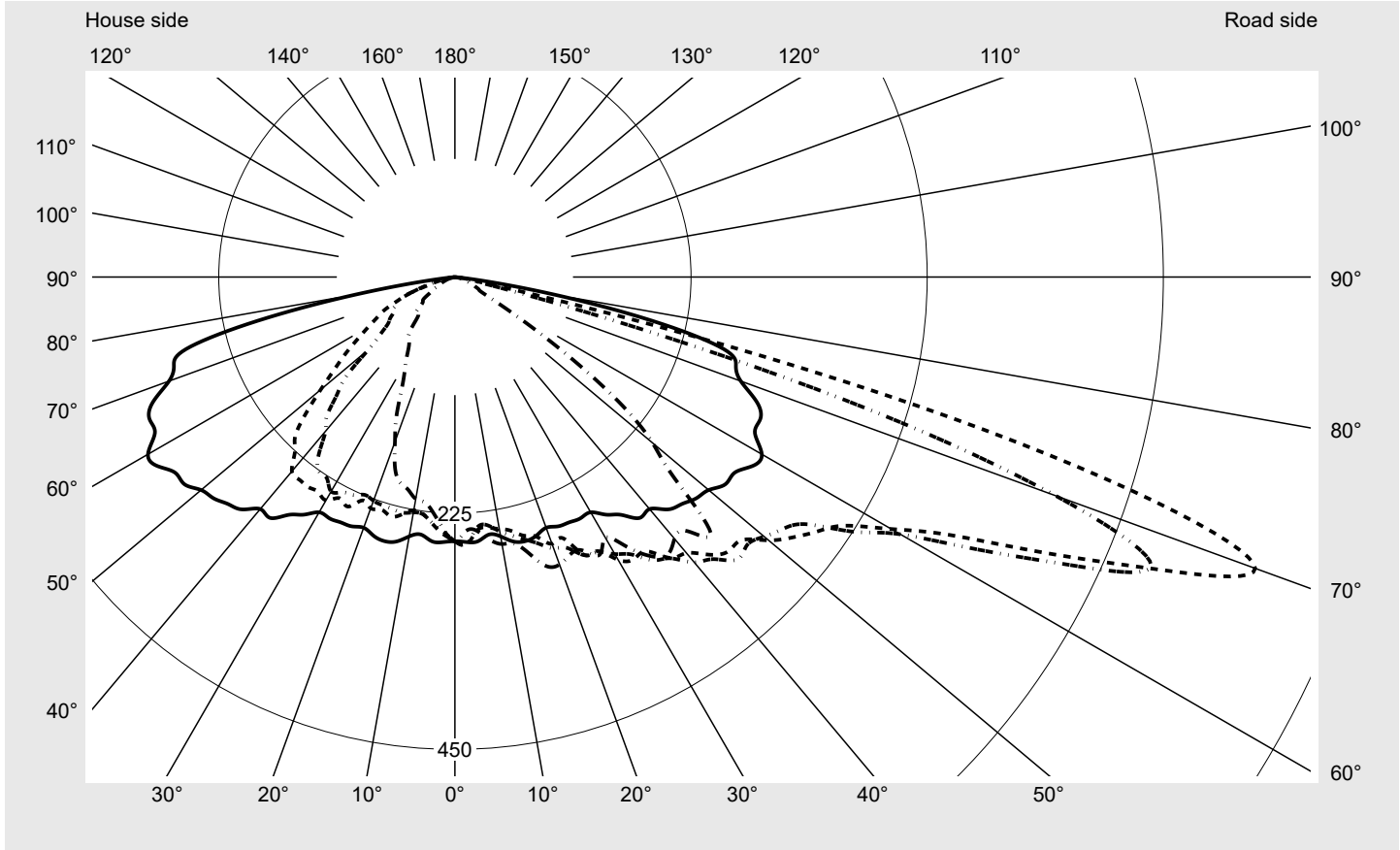


# Photometric test report

<b>Family</b> <b>Streetlight 21 micro LED</b>	<b>Order number: 5XE1M31V08CB</b> <b>EAN: 4058352923108</b>	<b>LP number</b> <b>59152_1231</b>
	<b>Version</b> post-top or side-entry mounting, Smart Interface up <b>Optic</b> asymmetric, wide distribution (ST1.0a), Back Light Control (BLC) <b>Cover</b> toughened safety glass <b>Lamps</b> LED 3000 K   CRI ≥ 70 <b>Controlgear</b> EVG SITECO iQ - Smart Interface <b>Rated values</b> Net luminous flux = 2530 lm Power consumption = 19.1 W Luminous efficacy = 132.5 lm/W	<b>serial documentation</b> <b>11.08.2023</b>



**Luminous intensity in cd/klm** C180-0 C205-25 C210-30 C270-90 **Imax: 811 cd/klm**



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

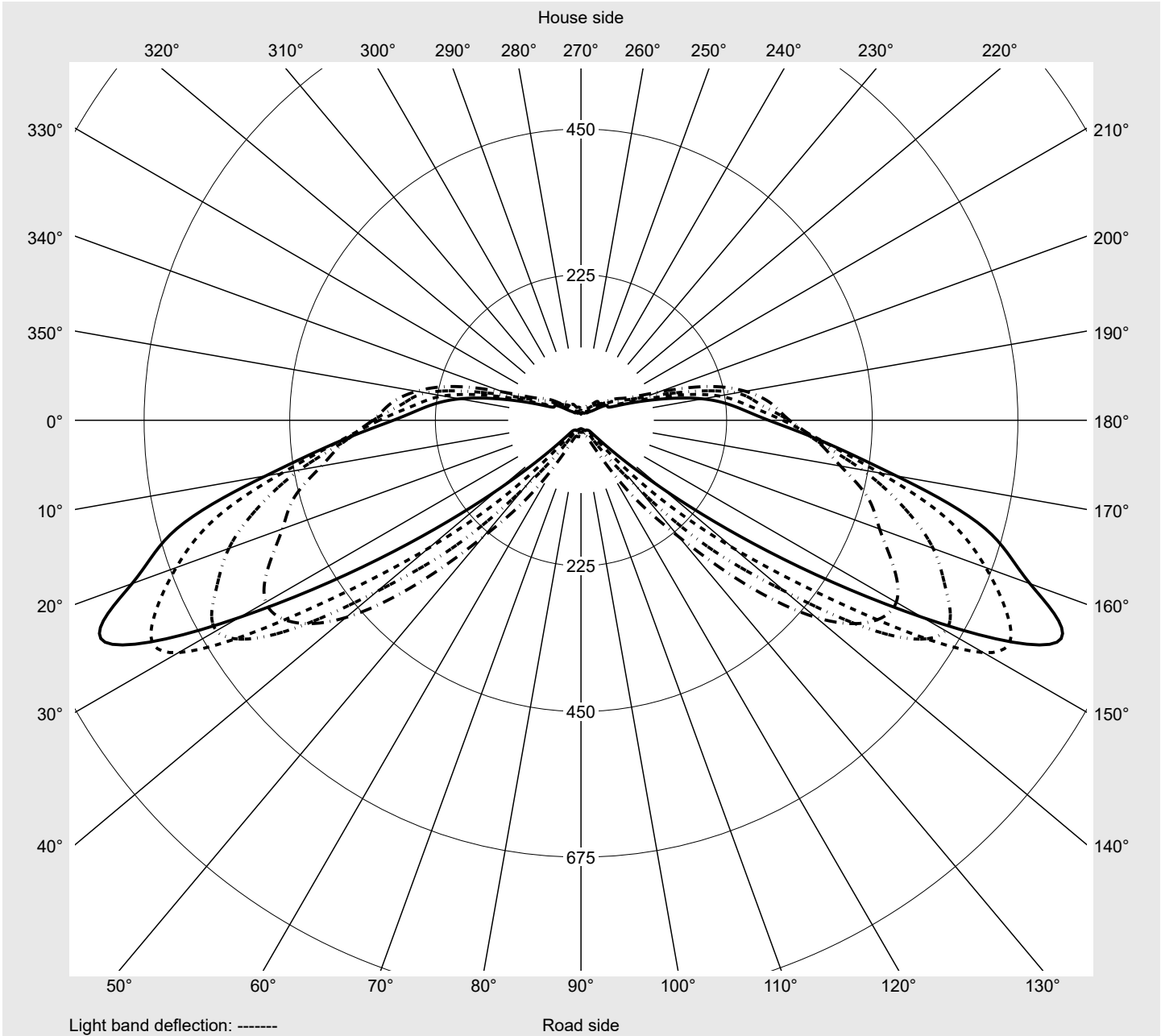
Luminous intensity class acc. to EN13201-2	
Class:	G3
Imax 70°	811.4
Imax 80°	97.1
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

**Measurement conditions**  
DIN EN 13032 and DIN 5032

**Photometric test report**

<b>Family</b> Streetlight 21 micro LED	<b>Order number: 5XE1M31V08CB</b> <b>EAN: 4058352923108</b>	<b>LP number</b> 59152_1231
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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 21 micro LED	<b>Order number: 5XE1M31V08CB</b> <b>EAN: 4058352923108</b>	<b>LP number</b> 59152_1231
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**siteco**

### 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°
$\gamma$	Luminous intensity in cd/klm												
0,0°	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7
2,5°	252.7	252.6	255.1	255.9	254.5	255.0	254.0	252.2	251.7	247.4	245.6	244.7	243.6
5,0°	252.7	247.6	244.8	246.2	244.1	242.4	239.8	236.2	239.7	236.4	232.5	233.6	234.3
7,5°	247.5	246.2	247.0	241.4	241.5	240.8	238.5	238.2	237.0	239.8	242.0	244.4	244.4
10,0°	250.9	251.6	254.7	244.8	240.1	243.6	246.0	248.9	247.1	245.5	243.2	248.5	256.4
12,5°	258.1	251.0	248.5	247.9	244.5	247.6	252.4	251.2	250.3	256.2	259.5	260.6	263.5
15,0°	260.4	253.2	248.3	249.4	250.9	255.1	259.0	261.5	258.8	265.7	270.2	267.9	269.6
17,5°	258.3	257.3	247.8	248.7	251.9	259.5	266.5	266.0	275.2	277.4	277.3	277.8	286.1
20,0°	254.1	250.5	251.9	255.9	262.1	270.4	275.0	276.8	276.7	279.1	278.4	285.9	281.5
22,5°	257.0	252.2	255.3	268.1	272.7	269.3	279.3	285.9	287.4	287.8	284.5	282.2	286.1
25,0°	257.8	257.2	270.3	273.8	283.2	292.2	292.5	297.3	302.1	298.9	293.3	289.8	292.8
27,5°	259.1	258.9	269.3	275.9	290.3	294.3	295.3	301.0	295.9	293.4	289.9	296.4	293.1
30,0°	258.8	273.0	282.5	292.7	295.7	311.0	304.7	312.4	300.4	305.3	301.8	299.0	302.9
32,5°	268.4	281.3	284.7	297.6	311.2	318.2	313.4	319.9	315.8	313.8	308.7	313.3	302.9
35,0°	276.6	287.2	295.6	296.7	309.7	318.9	329.3	329.7	312.6	320.8	315.6	320.8	316.5
37,5°	289.2	297.8	300.2	316.3	319.7	337.4	337.7	332.8	327.5	323.7	318.9	318.2	332.2
40,0°	288.5	305.0	310.1	313.4	327.9	343.2	354.8	344.9	337.5	333.4	324.7	347.2	341.1
42,5°	300.3	309.6	317.1	332.9	343.7	358.8	364.5	353.0	347.4	337.7	344.4	349.5	356.9
45,0°	305.8	317.1	325.5	333.0	349.1	369.1	380.6	362.0	354.6	368.9	366.8	388.4	383.2
47,5°	312.0	313.3	325.1	341.9	368.3	370.8	377.7	368.2	368.3	388.5	397.5	390.1	382.7
50,0°	315.7	324.5	327.1	342.0	370.4	390.2	384.7	382.7	398.7	421.6	412.3	380.7	354.1
52,5°	324.5	324.8	337.8	340.4	373.5	407.0	394.1	398.2	435.2	435.4	412.2	358.0	310.7
55,0°	325.2	339.0	343.2	354.4	370.6	422.3	410.7	440.5	443.3	424.3	372.3	320.6	285.2
57,5°	335.5	346.3	354.6	362.1	389.2	440.8	451.8	462.3	460.2	409.5	351.4	299.4	233.2
60,0°	337.7	358.8	382.6	394.8	422.9	480.1	490.2	493.0	465.8	401.4	305.0	234.6	170.2
62,5°	322.3	366.3	407.2	458.3	491.0	532.4	562.5	543.7	474.1	356.4	235.0	151.7	80.7
65,0°	320.9	365.9	441.4	515.0	579.1	622.5	650.4	576.3	411.2	274.5	136.3	61.5	26.5
67,5°	311.5	375.7	468.6	584.1	665.5	729.3	718.0	501.2	307.7	161.4	52.8	22.8	20.7
70,0°	289.9	375.0	494.5	646.3	738.3	811.4	609.3	353.6	163.9	60.9	24.9	18.9	17.3
72,5°	280.7	388.9	529.3	634.1	740.9	675.2	389.9	143.3	60.4	27.9	16.8	16.0	15.2
75,0°	265.2	365.2	466.4	531.9	584.7	383.0	130.8	41.7	27.5	17.8	14.0	12.8	11.6
77,5°	192.5	248.8	264.2	279.3	239.7	78.3	24.8	16.9	12.2	9.5	10.3	8.9	7.8
80,0°	95.5	89.9	86.1	97.1	65.8	14.7	10.3	5.9	5.3	5.7	6.8	5.1	5.0
82,5°	25.0	19.4	13.4	7.5	11.9	4.8	3.8	3.1	3.0	2.4	2.7	2.7	2.2
85,0°	1.0	1.6	1.6	1.3	1.4	1.6	1.4	1.2	1.4	0.9	1.2	0.9	1.0
87,5°	0.4	0.4	0.4	0.5	0.5	0.5	0.3	0.6	0.5	0.4	0.4	0.4	0.4
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> <b>Streetlight 21 micro LED</b>	<b>Order number: 5XE1M31V08CB</b> <b>EAN: 4058352923108</b>	<b>LP number</b> <b>59152_1231</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>

**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°
$\gamma$	Luminous intensity in cd/klm												
0,0°	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7
2,5°	243.6	243.2	243.3	241.2	240.5	242.2	250.2	248.9	247.1	245.4	245.5	243.3	240.0
5,0°	234.1	234.7	239.6	243.4	242.3	242.8	249.9	251.9	245.5	241.3	236.8	236.2	233.4
7,5°	243.7	243.8	244.1	247.6	248.9	252.1	248.0	241.8	234.4	231.7	228.2	228.4	225.5
10,0°	257.2	254.6	250.4	251.4	252.5	258.3	242.9	242.6	235.3	228.9	225.6	227.8	225.5
12,5°	261.6	262.7	263.6	260.7	258.4	260.1	257.9	249.1	241.8	233.6	231.4	229.9	224.5
15,0°	273.9	274.4	275.1	277.9	277.1	272.5	263.7	252.8	241.7	241.0	236.1	228.8	219.4
17,5°	276.7	270.5	275.6	275.9	279.5	288.6	260.3	251.3	244.9	237.3	232.4	228.0	216.6
20,0°	285.2	286.3	287.4	283.7	284.5	291.4	254.3	265.1	245.3	240.9	234.4	226.8	227.8
22,5°	290.7	287.8	282.6	280.9	284.6	286.4	258.8	258.1	247.1	240.8	230.3	224.6	223.8
25,0°	290.9	287.2	284.9	293.2	285.2	287.3	253.7	262.3	252.9	244.0	241.3	229.1	223.8
27,5°	289.3	299.7	289.5	293.7	287.8	298.4	247.8	259.9	263.0	254.6	237.6	231.2	222.7
30,0°	304.3	292.9	297.5	300.8	300.7	286.7	261.7	260.3	261.4	242.3	245.5	235.9	219.5
32,5°	305.9	308.9	297.2	312.5	307.7	304.5	270.7	266.6	261.3	257.8	242.7	227.1	210.7
35,0°	312.3	315.7	323.4	321.9	326.7	324.5	274.1	271.0	269.6	262.0	244.2	226.0	186.2
37,5°	342.6	338.0	331.5	344.3	331.4	333.1	273.8	276.4	276.8	258.8	243.4	213.1	165.6
40,0°	350.0	346.7	344.9	344.4	337.9	325.4	288.1	279.6	275.1	264.7	241.7	191.8	147.8
42,5°	364.9	348.0	345.2	345.9	342.0	328.4	291.2	281.7	286.2	261.6	225.5	181.1	134.3
45,0°	364.0	353.2	344.2	344.8	339.4	344.7	297.8	279.5	275.9	253.2	215.4	159.3	121.5
47,5°	357.3	337.5	304.9	296.2	280.5	284.0	305.0	284.6	285.2	249.7	192.9	141.3	109.9
50,0°	314.0	275.9	263.2	255.3	247.2	245.9	311.3	293.6	273.0	229.3	166.9	107.3	88.1
52,5°	278.1	253.7	229.4	220.1	205.6	201.2	315.6	297.5	264.7	208.9	144.9	89.3	79.1
55,0°	239.5	201.5	165.8	154.9	144.9	137.0	312.2	294.2	259.8	194.6	127.1	78.0	74.1
57,5°	183.6	138.9	110.6	88.6	79.1	74.1	313.5	287.5	236.2	170.2	109.8	73.2	66.2
60,0°	111.5	71.4	46.5	37.5	35.2	32.8	311.2	271.5	216.0	147.6	95.5	67.8	62.2
62,5°	42.8	28.4	25.5	26.0	25.5	25.7	295.3	257.9	201.5	127.0	83.6	67.2	53.8
65,0°	23.4	23.1	22.8	23.5	21.6	21.4	278.4	243.5	170.0	104.7	73.6	60.2	48.1
67,5°	20.9	19.5	18.9	18.8	18.6	18.7	259.7	216.3	148.1	85.9	59.1	57.9	41.2
70,0°	17.3	16.9	14.9	14.9	13.3	13.2	239.7	190.8	125.8	74.2	47.9	45.9	33.0
72,5°	14.5	13.7	11.8	11.8	9.4	10.7	215.6	168.6	110.3	54.9	29.2	33.4	25.5
75,0°	10.2	9.6	8.6	7.6	7.1	8.2	187.2	114.4	77.4	24.7	20.0	22.7	19.4
77,5°	6.8	6.5	5.6	5.4	5.0	4.8	100.2	23.1	17.9	7.8	11.3	11.5	11.8
80,0°	3.9	4.2	3.1	3.3	3.8	3.3	40.0	7.2	6.0	5.2	7.0	6.8	6.4
82,5°	2.1	2.1	1.7	2.3	1.9	1.6	10.0	3.5	3.0	2.4	3.3	3.1	2.9
85,0°	0.8	1.0	0.6	0.7	0.6	0.6	1.5	1.2	1.1	1.1	1.1	1.3	1.1
87,5°	0.4	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.2	0.4	0.3	0.2	0.1
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> <b>Streetlight 21 micro LED</b>	<b>Order number: 5XE1M31V08CB</b> <b>EAN: 4058352923108</b>	<b>LP number</b> <b>59152_1231</b>
<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°	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	251.7	0.4	0.4
2,5°	240.3	241.6	238.8	237.8	237.5	239.7	242.6	244.7	244.9	242.1	241.0	2.9	3.3
5,0°	228.5	228.0	227.0	225.7	228.3	227.7	229.0	226.6	226.4	225.7	226.7	5.7	9.0
7,5°	228.3	226.6	219.5	221.8	216.9	216.1	216.6	215.9	217.8	218.5	216.7	8.4	17.4
10,0°	218.6	215.1	214.8	214.4	213.9	212.4	209.8	207.9	207.4	213.1	214.6	11.2	28.6
12,5°	222.9	224.9	218.4	214.2	208.1	211.3	215.6	212.9	208.3	206.4	207.2	14.2	42.8
15,0°	213.8	216.2	213.4	214.0	210.7	206.1	202.7	200.1	201.7	201.8	202.6	17.2	60.1
17,5°	213.2	212.5	216.4	210.3	205.3	203.3	199.8	189.2	192.6	193.9	189.9	20.1	80.2
20,0°	221.3	208.9	205.5	200.6	189.2	182.7	179.3	173.8	164.6	163.6	167.0	22.8	102.9
22,5°	220.7	214.8	198.3	184.9	172.2	159.3	158.7	146.8	146.8	144.1	146.6	25.2	128.1
25,0°	217.0	197.4	182.7	161.6	153.9	143.9	140.8	132.9	136.9	126.6	121.7	27.8	155.9
27,5°	207.1	180.6	159.0	145.7	138.5	128.8	124.3	119.3	110.8	107.1	104.5	29.9	185.9
30,0°	187.4	164.9	146.0	133.8	122.6	115.2	100.8	101.8	98.2	93.7	93.5	32.4	218.3
32,5°	173.5	148.1	134.8	114.4	104.9	102.5	95.5	91.7	86.3	82.3	83.0	35.0	253.3
35,0°	154.6	136.4	115.1	101.4	100.1	95.8	89.4	82.3	80.9	75.6	76.0	37.5	290.8
37,5°	136.6	117.1	104.1	96.7	95.3	87.5	84.6	81.1	77.0	76.2	72.8	40.4	331.2
40,0°	121.4	107.1	99.6	91.1	89.3	82.0	77.5	73.8	68.3	66.8	65.6	42.9	374.0
42,5°	113.6	96.2	91.9	86.0	85.0	79.7	71.7	68.0	59.4	56.2	53.6	45.4	419.4
45,0°	100.6	90.9	85.7	81.0	74.3	66.6	57.9	54.8	51.6	51.5	49.7	47.7	467.1
47,5°	93.6	83.1	73.5	70.4	63.4	53.5	51.8	47.0	51.1	49.2	51.2	48.6	515.7
50,0°	84.1	73.4	60.5	61.0	52.7	47.5	47.1	44.9	45.0	43.7	42.9	48.6	564.3
52,5°	75.3	64.9	55.6	50.1	46.6	40.8	42.4	40.3	40.5	36.3	38.4	48.6	613.0
55,0°	64.4	54.4	47.2	42.8	42.1	38.4	38.0	35.6	33.6	34.1	36.2	47.5	660.5
57,5°	53.1	46.8	44.4	39.8	37.9	35.5	33.5	33.2	32.2	31.5	28.2	46.2	706.7
60,0°	44.6	40.4	41.3	35.5	32.0	30.9	30.1	30.0	29.4	28.7	24.4	44.7	751.4
62,5°	40.0	38.3	37.9	30.7	28.1	26.9	22.0	20.8	20.6	19.4	17.2	44.1	795.5
65,0°	37.9	33.8	30.2	24.9	21.3	19.0	18.2	16.5	16.8	16.2	14.2	43.7	839.1
67,5°	30.5	27.2	21.8	17.6	15.1	15.1	14.7	14.6	14.7	13.4	12.3	42.8	881.9
70,0°	22.9	18.7	15.1	14.0	13.3	12.0	11.9	12.1	11.4	11.7	9.5	40.0	921.9
72,5°	18.9	15.1	13.3	11.8	10.6	9.5	8.2	7.9	7.5	7.0	7.5	34.4	956.3
75,0°	14.0	11.5	8.9	9.5	7.5	5.9	4.0	4.3	4.2	3.7	3.9	25.3	981.7
77,5°	10.3	7.2	5.6	5.4	3.9	2.9	2.4	2.5	1.9	2.4	2.1	12.3	994.0
80,0°	6.0	3.9	3.0	2.5	1.9	1.4	1.2	0.9	1.0	0.9	1.0	4.6	998.6
82,5°	2.5	1.9	0.8	0.6	0.7	0.4	0.3	0.2	0.3	0.4	0.4	1.1	999.7
85,0°	0.9	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	999.9
87,5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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 21 micro LED	<b>Order number: 5XE1M31V08CB</b> <b>EAN: 4058352923108</b>	<b>LP number</b> 59152_1231
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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	2530	19.1	19.7	19.4
95	241	252	2401	18.0	18.6	18.3
90	229	250	2281	17.0	17.6	17.3
85	216	248	2151	15.9	16.4	16.2
80	203	246	2022	14.9	15.4	15.2
75	190	243	1893	13.9	14.3	14.1
70	178	241	1773	12.9	13.3	13.1
65	165	238	1644	11.9	12.3	12.1
60	152	235	1514	11.0	11.3	11.2
55	140	232	1394	10.1	10.4	10.2
50	127	229	1265	9.2	9.5	9.4
45	114	225	1136	8.3	8.5	8.4
40	102	221	1016	7.4	7.6	7.5
35	89	216	886	6.6	6.7	6.6
30	76	210	757	5.7	5.9	5.8
25	63	203	628	4.9	5.0	5.0
20	51	195	508	4.0	4.2	4.1
15	38	184	379	3.1	3.2	3.2
10	25	169	249	2.0	2.1	2.0

<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	2530	19.0	19.6	19.3
95	241	252	2400	17.9	18.5	18.2
90	229	250	2281	16.9	17.5	17.2
85	216	248	2151	15.9	16.4	16.2
80	203	246	2022	14.9	15.3	15.1
75	191	244	1902	13.9	14.3	14.1
70	178	241	1773	12.9	13.3	13.1
65	165	238	1643	12.0	12.3	12.2
60	152	235	1514	11.0	11.3	11.2
55	140	232	1394	10.1	10.4	10.2
50	127	229	1265	9.2	9.5	9.4
45	114	225	1135	8.3	8.5	8.4
40	102	221	1016	7.4	7.7	7.6
35	89	216	886	6.6	6.8	6.7
30	76	210	757	5.7	5.9	5.8
25	64	204	637	5.0	5.1	5.0
20	51	195	508	4.1	4.2	4.2
15	38	184	378	3.1	3.2	3.2
10	25	169	249	2.1	2.1	2.1

## Photometric test report

<b>Family</b> Streetlight 21 micro LED	<b>Order number: 5XE1M31V08CB</b> <b>EAN: 4058352923108</b>	<b>LP number</b> 59152_1231
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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	2530	19.1	19.6	19.4
95	241	252	2400	18.0	18.5	18.2
90	229	250	2281	17.0	17.5	17.2
85	216	248	2151	15.9	16.4	16.2
80	203	246	2022	14.8	15.3	15.0
75	191	244	1902	14.0	14.3	14.2
70	178	241	1773	12.9	13.3	13.1
65	165	238	1643	11.9	12.3	12.1
60	152	235	1514	11.0	11.3	11.2
55	140	232	1394	10.1	10.4	10.2
50	127	229	1265	9.2	9.5	9.4
45	114	225	1135	8.3	8.5	8.4
40	102	221	1016	7.5	7.6	7.6
35	89	216	886	6.5	6.7	6.6
30	76	210	757	5.7	5.9	5.8
25	64	204	637	4.9	5.1	5.0
20	51	195	508	4.1	4.2	4.2
15	38	184	378	3.0	3.1	3.0
10	25	169	249	2.0	2.1	2.0

**Photometric test report**

<b>Family</b> Streetlight 21 micro LED	<b>Order number: 5XE1M31V08CB</b> <b>EAN: 4058352923108</b>	<b>LP number</b> 59152_1231
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**Luminousfluxs table** **sITeco**

Temperature °C	Luminous flux lm	Power consumption W
25.0	2530.0	19.1
5.0	2530.0	19.0
15.0	2530.0	19.1