
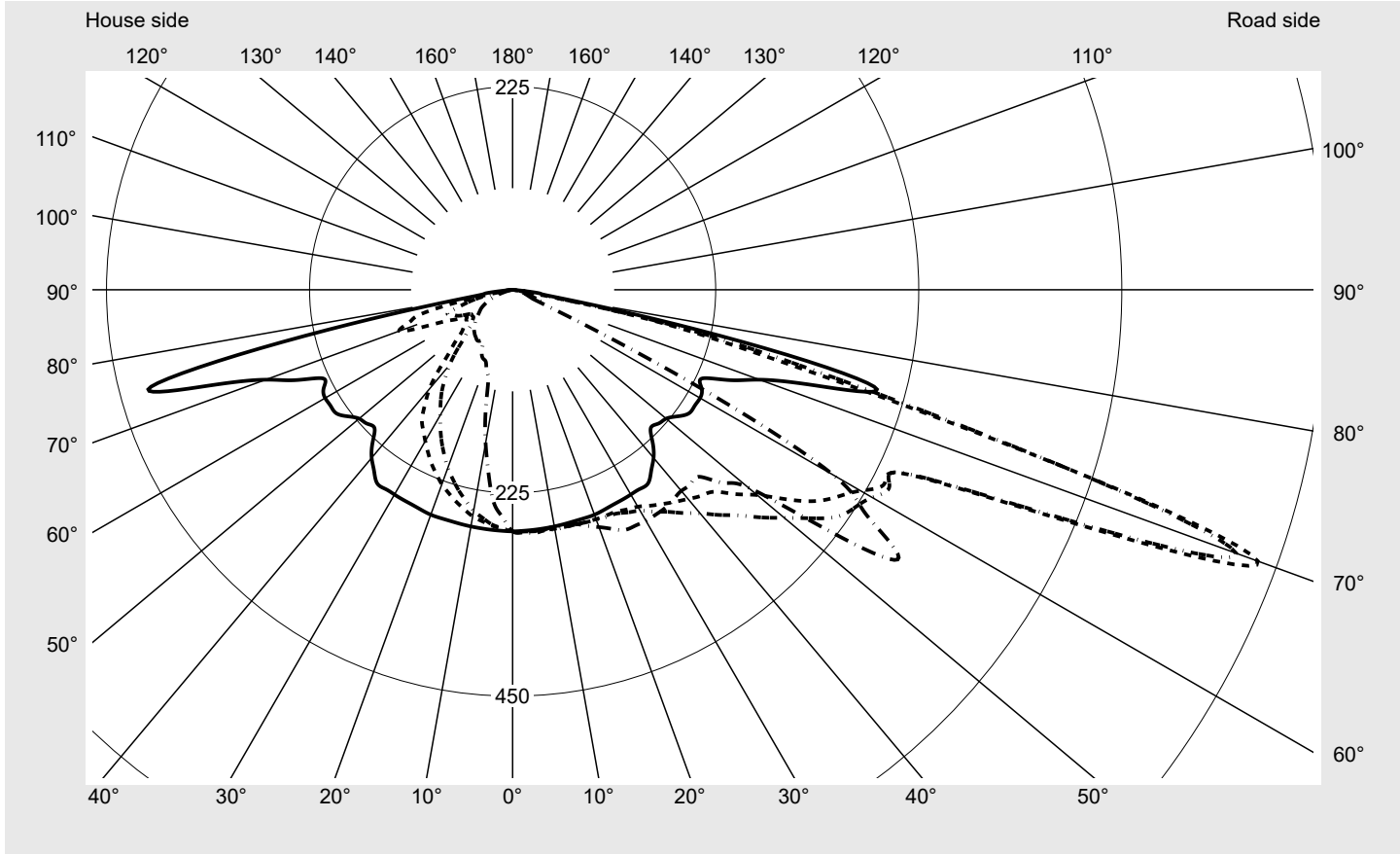


# Photometric test report

<b>Family</b> <b>Streetlight 21 mini LED</b>	<b>Order number: 5XE2U31G08GB</b> <b>EAN: 4069025149756</b>	<b>LP number</b> <b>59536_199</b>
	<b>Version</b> post-top or side-entry mounting <b>Optic</b> asymmetric, extremely wide distribution (P0.8a) <b>Cover</b> toughened safety glass <b>Lamps</b> LED 3000 K   CRI ≥ 70 <b>Controlgear</b> ECG SITECO iQ <b>Rated values</b> Net luminous flux = 5730 lm Power consumption = 37.1 W Luminous efficacy = 154.4 lm/W	<b>serial documentation</b> <b>18.01.2024</b>



**Luminous intensity in cd/klm** C180-0 C195-15 C200-20 C270-90 **Imax: 879 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°	878.7
Imax 80°	57.3
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

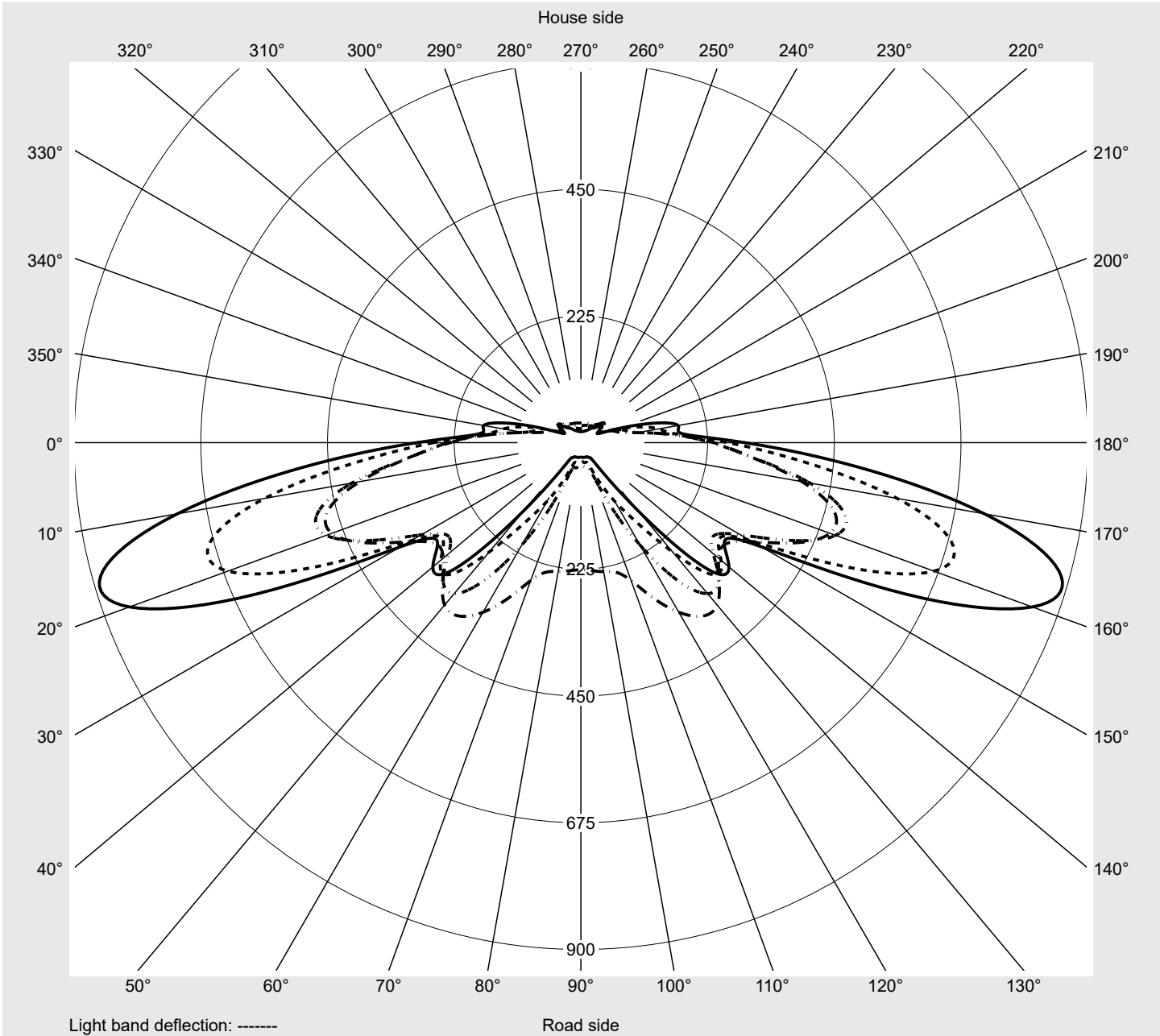
**Measurement conditions**

DIN EN 13032 and DIN 5032

**Photometric test report**

<b>Family</b> Streetlight 21 mini LED	<b>Order number: 5XE2U31G08GB</b> <b>EAN: 4069025149756</b>	<b>LP number</b> 59536_199
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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> <b>Streetlight 21 mini LED</b>	<b>Order number: 5XE2U31G08GB</b> <b>EAN: 4069025149756</b>	<b>LP number</b> <b>59536_199</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°	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5
2,5°	267.2	267.2	267.4	267.7	268.0	268.2	268.3	268.4	268.7	268.6	268.6	268.7	268.7
5,0°	266.9	266.9	267.2	267.8	268.6	268.9	269.1	269.3	269.8	269.6	269.6	269.8	269.9
7,5°	266.5	266.7	267.4	268.3	269.0	269.1	269.0	269.1	269.2	269.0	268.6	268.3	268.2
10,0°	266.2	266.6	267.5	268.8	269.4	269.4	269.0	268.9	268.7	268.3	267.5	266.8	266.5
12,5°	265.7	266.8	267.7	268.9	269.3	269.2	268.7	268.4	268.0	267.7	267.2	266.8	266.7
15,0°	265.2	267.0	267.9	269.1	269.2	269.1	268.3	267.9	267.3	267.0	266.9	266.8	267.0
17,5°	265.2	267.9	268.8	269.7	270.1	270.0	269.8	269.8	269.9	270.4	270.8	271.1	271.6
20,0°	265.1	268.9	269.6	270.3	271.0	270.8	271.2	271.7	272.4	273.8	274.7	275.4	276.3
22,5°	264.0	268.4	269.8	270.7	272.2	273.3	274.8	276.9	278.7	280.6	282.2	283.8	285.0
25,0°	262.8	268.0	269.9	271.2	273.4	275.7	278.4	282.1	285.0	287.4	289.7	292.2	293.7
27,5°	262.3	269.0	271.7	274.3	277.9	281.8	286.1	291.1	295.3	299.0	301.4	302.9	302.7
30,0°	261.9	269.9	273.5	277.4	282.5	287.8	293.9	300.0	305.5	310.6	313.1	313.5	311.7
32,5°	261.8	271.7	277.3	283.5	291.4	299.5	307.7	315.0	321.0	325.6	326.4	323.2	318.0
35,0°	261.7	273.6	281.1	289.6	300.3	311.1	321.4	329.9	336.4	340.6	339.8	332.9	324.3
37,5°	252.3	268.4	281.4	296.0	311.7	326.6	338.9	348.1	353.7	354.6	350.3	339.3	327.6
40,0°	243.0	263.2	281.8	302.4	323.1	342.1	356.4	366.4	370.9	368.7	360.7	345.6	330.9
42,5°	229.8	256.4	281.5	309.4	338.2	363.9	378.3	385.7	385.6	377.9	365.2	348.0	332.0
45,0°	216.5	249.6	281.2	316.3	353.3	385.7	400.3	405.0	400.3	387.0	369.7	350.4	333.1
47,5°	219.3	258.6	295.9	335.0	373.2	403.4	416.6	415.9	404.4	385.7	366.0	350.2	338.2
50,0°	222.0	267.6	310.6	353.7	393.0	421.0	433.0	426.9	408.5	384.3	362.2	350.0	343.3
52,5°	230.3	281.2	331.6	380.9	415.7	432.1	429.8	415.1	391.8	372.1	363.5	370.8	388.4
55,0°	238.5	294.7	352.7	408.1	438.3	443.1	426.6	403.4	375.0	359.8	364.8	391.6	433.4
57,5°	239.2	300.2	368.4	426.7	449.2	436.9	401.3	371.3	353.4	354.2	384.0	423.0	459.6
60,0°	239.9	305.7	384.0	445.2	460.1	430.6	376.1	339.2	331.9	348.6	403.2	454.3	485.7
62,5°	236.0	306.5	398.6	464.7	470.8	420.8	351.7	313.7	319.3	347.2	376.6	376.0	347.7
65,0°	232.2	307.3	413.1	484.1	481.4	410.9	327.3	288.2	306.7	345.7	350.0	297.8	209.7
67,5°	261.7	400.0	570.4	681.4	667.3	523.6	348.4	299.5	324.9	331.4	253.7	172.7	120.4
70,0°	291.2	492.6	727.8	878.7	853.1	636.3	369.5	310.8	343.1	317.0	157.5	47.7	31.0
72,5°	353.0	430.5	526.3	594.6	600.5	549.8	505.8	527.8	350.6	186.2	90.1	34.6	25.1
75,0°	414.8	368.5	324.8	310.5	347.9	463.4	642.1	744.8	358.1	55.4	22.7	21.6	19.3
77,5°	236.0	205.6	178.8	168.2	183.7	239.0	334.0	387.5	184.9	33.3	17.6	16.7	14.7
80,0°	57.3	42.7	32.7	25.9	19.4	14.6	25.9	30.2	11.7	11.3	12.5	11.9	10.0
82,5°	30.0	22.6	17.5	14.0	10.7	8.3	13.9	16.1	6.8	6.6	7.4	7.1	6.4
85,0°	2.7	2.5	2.3	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.3	2.4	2.7
87,5°	1.4	1.3	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.4
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 mini LED</b>	<b>Order number: 5XE2U31G08GB</b> <b>EAN: 4069025149756</b>	<b>LP number</b> <b>59536_199</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
<b>siteco</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°	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5
2,5°	268.8	268.7	268.8	268.9	268.9	269.0	266.5	265.7	264.9	264.3	263.2	262.1	260.9
5,0°	270.0	269.8	270.0	270.2	270.3	270.5	265.5	264.0	262.3	261.0	259.0	256.8	254.3
7,5°	268.1	268.0	267.8	268.0	268.1	268.3	264.6	261.7	258.5	254.8	250.1	245.2	240.0
10,0°	266.2	266.2	265.6	265.7	265.9	266.2	263.7	259.4	254.8	248.5	241.2	233.7	225.8
12,5°	266.6	266.7	266.6	266.8	267.1	267.4	262.2	256.2	248.7	239.4	229.0	218.0	206.6
15,0°	267.0	267.3	267.5	267.9	268.3	268.7	260.7	253.0	242.7	230.3	216.7	202.2	187.3
17,5°	271.9	272.4	272.7	273.3	273.7	274.2	260.0	249.6	236.0	220.1	202.7	184.7	166.5
20,0°	276.9	277.5	277.9	278.7	279.1	279.7	259.3	246.2	229.2	209.9	188.8	167.2	145.7
22,5°	285.7	286.0	285.3	285.9	286.0	286.6	256.1	240.7	220.9	197.9	173.1	148.9	124.7
25,0°	294.5	294.4	292.7	293.2	293.0	293.5	253.0	235.1	212.5	186.0	157.4	130.7	103.7
27,5°	301.7	299.6	296.6	295.1	294.3	294.5	249.8	229.0	203.1	173.2	142.1	112.9	90.5
30,0°	308.9	304.7	300.5	297.1	295.6	295.6	246.5	222.9	193.6	160.4	126.8	95.2	77.3
32,5°	313.0	307.3	302.0	297.5	295.4	295.3	243.8	216.9	184.3	148.5	113.2	85.2	75.5
35,0°	317.0	310.0	303.6	298.0	295.1	294.9	241.1	211.0	175.1	136.5	99.5	75.1	73.7
37,5°	317.8	309.7	303.3	296.8	293.1	292.9	227.5	194.9	159.3	122.5	89.6	70.6	71.2
40,0°	318.5	309.4	303.1	295.7	291.1	290.8	213.8	178.8	143.5	108.6	79.7	66.1	68.6
42,5°	318.9	309.7	303.7	297.1	292.4	291.8	194.6	156.5	121.9	92.6	71.9	63.8	66.0
45,0°	319.2	310.1	304.3	298.5	293.8	292.9	175.4	134.2	100.3	76.6	64.1	61.5	63.3
47,5°	329.8	326.0	323.9	321.0	317.3	316.6	170.5	122.9	87.3	67.9	61.3	60.6	62.1
50,0°	340.3	341.9	343.4	343.5	340.8	340.4	165.5	111.6	74.4	59.3	58.4	59.8	60.9
52,5°	405.0	419.9	430.4	434.7	431.6	430.6	167.0	108.2	68.4	56.2	56.5	57.5	57.6
55,0°	469.7	498.0	517.3	525.9	522.3	520.8	168.4	104.8	62.4	53.0	54.6	55.3	54.3
57,5°	478.3	480.2	474.1	472.9	468.6	465.7	167.5	102.3	61.0	53.3	50.4	50.0	50.6
60,0°	486.8	462.4	430.8	419.9	414.9	410.5	166.7	99.7	59.6	53.6	46.2	44.6	46.9
62,5°	304.6	260.5	238.2	232.6	228.3	225.8	164.6	102.3	71.0	60.8	46.8	42.1	46.4
65,0°	122.3	58.5	45.5	45.3	41.7	41.1	162.5	104.9	82.5	68.0	47.5	39.6	45.8
67,5°	75.0	42.9	36.1	36.0	33.8	33.5	171.9	140.1	107.9	72.2	44.8	36.5	43.4
70,0°	27.6	27.3	26.7	26.8	26.0	25.9	181.3	175.3	133.4	76.4	42.1	33.3	41.1
72,5°	22.7	22.0	21.3	21.1	20.5	20.3	265.1	189.7	120.0	62.2	33.7	27.5	35.0
75,0°	17.7	16.6	15.9	15.3	15.0	14.8	348.9	204.0	106.7	47.9	25.3	21.8	29.0
77,5°	13.1	12.5	11.5	11.1	10.8	10.6	193.6	113.1	59.4	29.8	17.4	15.8	20.3
80,0°	8.4	8.3	7.2	6.9	6.6	6.5	38.3	22.1	12.2	11.8	9.4	9.8	11.6
82,5°	5.4	5.2	4.5	4.3	4.1	4.0	20.5	12.5	7.6	7.4	6.0	6.3	7.0
85,0°	2.3	2.1	1.8	1.7	1.6	1.5	2.8	2.8	2.9	2.9	2.7	2.7	2.5
87,5°	1.1	1.0	0.9	0.8	0.8	0.7	1.4	1.4	1.5	1.5	1.4	1.4	1.3
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 mini LED</b>	<b>Order number: 5XE2U31G08GB</b> <b>EAN: 4069025149756</b>	<b>LP number</b> <b>59536_199</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°	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	0.4	0.4
2,5°	259.6	258.4	257.3	256.2	255.1	254.3	253.6	253.0	252.6	252.4	252.3	3.2	3.6
5,0°	251.7	249.4	247.1	244.9	242.7	241.1	239.8	238.5	237.7	237.3	237.2	6.2	9.8
7,5°	234.8	230.1	225.2	220.5	216.3	213.0	210.1	207.9	206.2	205.4	204.8	9.0	18.7
10,0°	217.9	210.8	203.4	196.1	189.9	184.8	180.4	177.3	174.8	173.4	172.5	11.5	30.2
12,5°	195.6	185.0	175.2	166.1	158.0	151.4	146.3	142.8	140.4	139.1	138.4	13.6	43.8
15,0°	173.3	159.2	147.1	136.1	126.1	118.1	112.2	108.3	106.0	104.7	104.3	15.5	59.4
17,5°	149.3	133.3	121.0	111.9	105.2	100.8	98.1	96.7	95.8	95.3	95.2	17.6	76.9
20,0°	125.4	107.5	94.9	87.6	84.4	83.5	84.0	85.2	85.7	85.9	86.1	19.5	96.4
22,5°	105.4	93.2	87.8	86.3	86.0	85.8	85.4	85.1	84.3	83.6	83.3	21.7	118.1
25,0°	85.5	78.9	80.6	84.9	87.6	88.0	86.8	84.9	82.9	81.2	80.5	23.8	141.9
27,5°	81.2	81.9	85.3	88.0	88.0	85.8	82.5	79.3	76.2	74.0	73.1	26.1	168.0
30,0°	77.0	84.8	90.0	91.2	88.3	83.6	78.3	73.6	69.6	66.7	65.7	28.2	196.2
32,5°	79.1	85.7	88.8	87.8	84.1	79.6	75.2	71.9	69.4	67.7	67.1	30.6	226.8
35,0°	81.2	86.7	87.6	84.5	79.9	75.6	72.2	70.2	69.3	68.6	68.4	32.9	259.7
37,5°	76.3	79.2	78.9	77.1	76.1	74.0	71.1	69.2	67.9	67.1	66.7	34.9	294.6
40,0°	71.3	71.6	70.3	69.7	72.4	72.5	70.0	68.2	66.6	65.5	65.1	36.8	331.3
42,5°	67.4	67.5	68.8	69.1	68.9	68.5	66.8	65.5	64.3	63.3	62.9	38.5	369.8
45,0°	63.5	63.4	67.3	68.6	65.4	64.6	63.6	62.8	62.0	61.1	60.7	40.2	410.1
47,5°	62.2	64.8	65.8	64.2	61.6	61.0	60.1	59.3	58.4	57.5	57.2	42.8	452.8
50,0°	60.9	66.1	64.2	59.8	57.9	57.4	56.6	55.8	54.8	53.9	53.6	45.3	498.1
52,5°	59.8	63.6	59.5	55.6	53.9	53.3	52.6	51.7	50.6	49.9	49.7	50.1	548.1
55,0°	58.6	61.0	54.8	51.4	50.0	49.2	48.5	47.6	46.5	45.9	45.9	55.0	603.1
57,5°	57.5	56.2	50.1	47.2	46.0	45.1	44.4	43.8	43.2	42.8	42.8	55.3	658.4
60,0°	56.4	51.4	45.4	43.1	42.0	41.0	40.4	40.0	39.8	39.7	39.6	55.4	713.8
62,5°	54.0	47.8	42.0	39.7	38.3	37.1	36.5	36.0	35.5	35.1	35.0	47.7	761.5
65,0°	51.6	44.2	38.6	36.3	34.6	33.2	32.5	31.9	31.2	30.5	30.5	39.5	800.9
67,5°	48.3	41.4	36.3	33.4	30.6	28.5	27.4	26.5	25.7	25.0	24.9	43.3	844.2
70,0°	45.1	38.6	34.0	30.6	26.6	23.9	22.2	21.1	20.1	19.6	19.4	47.1	891.3
72,5°	38.7	34.3	30.3	25.9	21.5	18.5	16.7	15.5	14.5	14.0	13.8	42.6	933.9
75,0°	32.4	30.0	26.6	21.3	16.4	13.1	11.3	10.0	9.0	8.3	8.1	37.9	971.7
77,5°	22.7	22.3	20.0	15.8	11.7	9.2	7.7	6.6	5.6	4.9	4.7	21.1	992.8
80,0°	13.0	14.5	13.5	10.3	7.0	5.2	4.2	3.1	2.2	1.5	1.3	4.0	996.9
82,5°	7.7	8.3	7.6	6.0	4.2	3.2	2.6	2.0	1.5	1.0	0.9	2.3	999.2
85,0°	2.3	2.1	1.8	1.7	1.5	1.3	1.0	0.8	0.7	0.6	0.6	0.6	999.7
87,5°	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.3	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 mini LED	<b>Order number: 5XE2U31G08GB</b> <b>EAN: 4069025149756</b>	<b>LP number</b> 59536_199
<b>Dimming levels table</b>		<b>siteco</b>
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	5730	37.1	38.5	37.8
95	241	252	5437	34.9	36.2	35.6
90	229	250	5166	33.0	34.1	33.6
85	216	248	4873	30.8	31.9	31.4
80	203	246	4579	28.8	29.8	29.3
75	190	243	4286	26.8	27.7	27.2
70	178	241	4016	25.0	25.8	25.4
65	165	238	3722	22.9	23.8	23.4
60	152	235	3429	21.1	21.8	21.5
55	140	232	3158	19.4	20.0	19.7
50	127	229	2865	17.5	18.1	17.8
45	114	225	2572	15.7	16.2	16.0
40	102	221	2301	14.1	14.6	14.4
35	89	216	2008	12.5	12.8	12.6
30	76	210	1714	10.7	11.1	10.9
25	63	203	1421	9.1	9.4	9.2
20	51	195	1151	7.6	7.9	7.8
15	38	184	857	6.1	6.2	6.2
10	26	171	587	4.7	4.8	4.8

<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	5730	36.8	37.7	37.2
95	241	252	5437	34.7	35.6	35.2
90	229	250	5166	32.7	33.6	33.2
85	216	248	4873	30.7	31.5	31.1
80	203	246	4579	28.7	29.3	29.0
75	191	244	4309	26.8	27.4	27.1
70	178	241	4015	24.9	25.5	25.2
65	165	238	3722	22.9	23.5	23.2
60	152	235	3429	21.1	21.5	21.3
55	140	232	3158	19.4	19.8	19.6
50	127	229	2865	17.6	17.9	17.8
45	114	225	2572	15.8	16.1	16.0
40	102	221	2301	14.1	14.5	14.3
35	89	216	2008	12.5	12.7	12.6
30	76	210	1714	10.8	11.1	11.0
25	64	204	1444	9.3	9.5	9.4
20	51	195	1151	7.7	7.8	7.8
15	38	184	857	6.1	6.2	6.2
11	27	172	609	4.9	4.9	4.9

## Photometric test report

<b>Family</b> Streetlight 21 mini LED	<b>Order number: 5XE2U31G08GB</b> <b>EAN: 4069025149756</b>	<b>LP number</b> 59536_199
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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] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	5730	36.9	37.8	37.3
95	241	252	5436	34.7	35.6	35.2
90	229	250	5165	32.8	33.6	33.2
85	216	248	4872	30.7	31.5	31.1
80	203	246	4579	28.7	29.4	29.0
75	191	244	4308	26.8	27.4	27.1
70	178	241	4015	24.9	25.5	25.2
65	165	238	3722	22.9	23.4	23.2
60	152	235	3429	21.1	21.5	21.3
55	140	232	3158	19.4	19.7	19.5
50	127	229	2865	17.5	17.9	17.7
45	114	225	2571	15.8	16.1	16.0
40	102	221	2301	14.1	14.5	14.3
35	89	216	2008	12.4	12.6	12.5
30	76	210	1714	10.8	11.0	10.9
25	64	204	1444	9.2	9.4	9.3
20	51	195	1150	7.7	7.8	7.8
15	38	184	857	6.1	6.2	6.2
11	27	172	609	4.8	4.9	4.8

**Photometric test report**

<b>Family</b> Streetlight 21 mini LED	<b>Order number: 5XE2U31G08GB</b> <b>EAN: 4069025149756</b>	<b>LP number</b> 59536_199
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**Luminousfluxs table** **siteco**

Temperature °C	Luminous flux lm	Power consumption W
25.0	5730.0	37.1
5.0	5730.0	36.8
15.0	5730.0	36.9