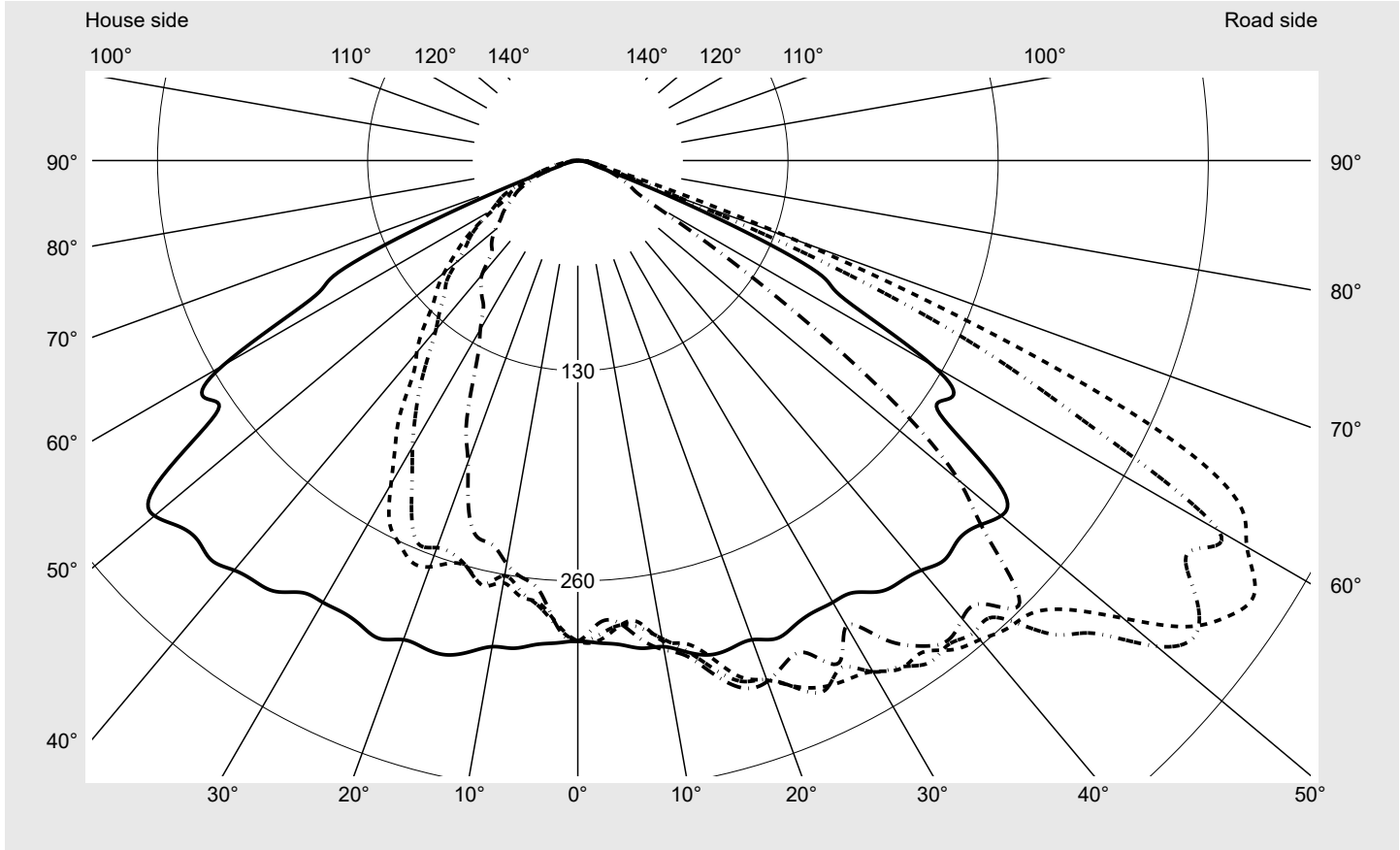


# Photometric test report

<b>Family</b> <b>Streetlight 21 mini LED</b>	<b>Order number: 5XE2D32S08GA + 5XEBLE2086</b> <b>EAN: 4058352424704 + 4058352478974</b>	<b>LP number</b> <b>59162_36</b>
	<b>Version</b> post-top or side-entry mounting, Smart Interface up, G6-louvre shielding <b>Optic</b> asymmetric, wide distribution (ST1.0a) <b>Cover</b> toughened safety glass <b>Lamps</b> LED 3000 K   CRI ≥ 70 <b>Controlgear</b> EVG-Smart Interface <b>Rated values</b> Net luminous flux = 4940 lm Power consumption = 40.4 W Luminous efficacy = 122.3 lm/W	<b>serial documentation</b> <b>04.06.2021</b>
		

**Luminous intensity in cd/klm** C180-0 C220-40 C225-45 C270-90 **Imax: 497 cd/klm**



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

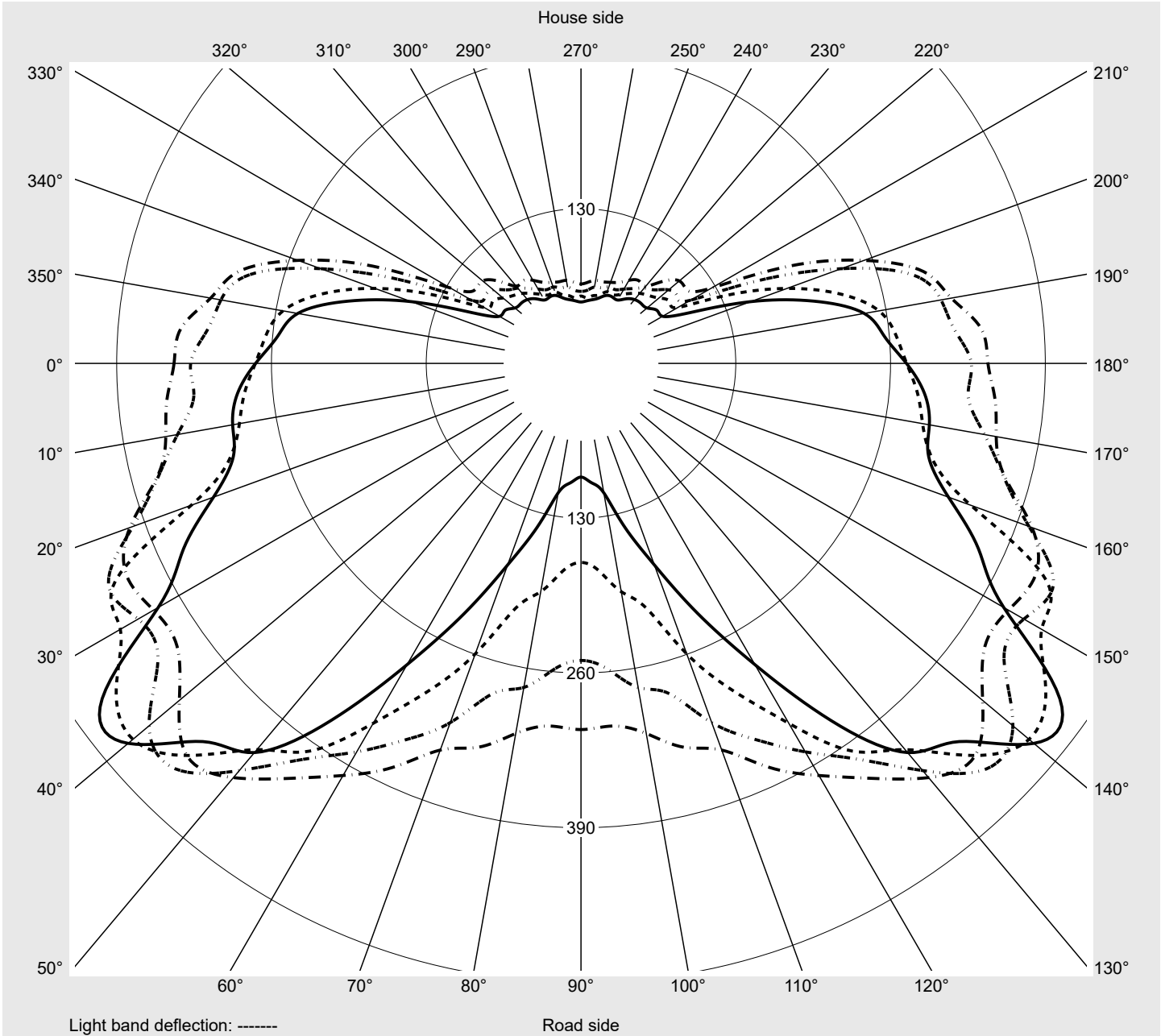
Luminous intensity class acc. to EN13201-2	
Class:	G6
Imax 70°	331.7
Imax 80°	14.1
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

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

**Photometric test report**

<b>Family</b> Streetlight 21 mini LED	<b>Order number:</b> 5XE2D32S08GA + 5XEBLE2086 <b>EAN:</b> 4058352424704 + 4058352478974	<b>LP number</b> 59162_36
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**Envelope curve in cd/klm**      **KMK 57.5°**   **KMK 55°**   **KMK 52.5°**   **KMK 50°**      **siteco**



## Photometric test report

<b>Family</b> <b>Streetlight 21 mini LED</b>	<b>Order number: 5XE2D32S08GA + 5XEBLE2086</b> <b>EAN: 4058352424704 + 4058352478974</b>	<b>LP number</b> <b>59162_36</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°	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2
2,5°	298.6	298.9	300.7	301.1	300.5	299.9	298.9	296.9	297.2	293.8	291.3	290.5	289.9
5,0°	300.5	298.1	294.8	294.9	293.1	293.3	289.8	288.2	289.4	288.7	284.7	286.3	286.3
7,5°	304.2	302.6	301.9	296.6	293.5	291.7	288.1	287.5	288.0	291.3	296.7	299.2	297.1
10,0°	305.3	302.6	302.6	294.5	295.6	300.4	300.8	304.3	301.6	300.2	297.6	301.7	309.4
12,5°	311.3	305.2	304.1	304.2	300.8	303.3	306.8	307.8	305.9	310.5	314.6	314.9	316.4
15,0°	316.5	311.5	305.7	306.8	306.7	311.1	315.4	319.2	318.0	325.5	326.6	326.9	327.9
17,5°	316.2	314.7	313.0	313.3	314.7	318.8	323.7	329.6	334.9	337.8	338.2	340.9	340.6
20,0°	315.4	309.5	314.5	318.2	326.9	333.3	340.2	342.8	342.0	341.6	339.0	339.6	337.8
22,5°	320.1	315.4	319.4	329.2	334.4	336.3	343.6	349.7	352.1	353.0	350.1	346.6	348.4
25,0°	317.3	316.2	330.0	334.7	345.6	355.1	355.0	359.7	359.1	361.6	354.4	347.5	354.2
27,5°	315.1	317.5	328.4	340.2	352.3	358.2	360.0	364.1	361.8	353.5	350.2	352.5	348.5
30,0°	315.5	324.3	340.1	350.1	357.6	369.1	365.0	374.4	365.0	365.1	358.7	355.3	360.1
32,5°	316.9	328.3	335.6	354.6	363.7	375.7	371.5	380.3	372.4	371.3	368.4	366.1	356.6
35,0°	325.4	332.1	342.6	350.9	361.0	374.8	383.1	389.4	371.4	379.1	374.1	378.2	369.1
37,5°	328.1	336.3	345.7	360.1	366.6	386.4	389.4	387.2	381.3	377.1	372.6	374.7	386.5
40,0°	330.8	339.6	346.7	356.8	369.8	389.6	403.9	393.8	386.9	381.1	373.2	401.7	397.7
42,5°	335.3	339.5	353.9	370.3	381.9	399.8	410.7	398.3	392.8	383.2	392.4	400.2	409.8
45,0°	332.3	349.1	356.0	362.7	386.8	406.5	426.1	403.5	396.3	414.2	420.3	433.3	431.9
47,5°	334.8	346.5	353.0	371.8	395.5	408.9	413.7	402.9	411.1	432.8	448.7	434.5	433.2
50,0°	341.8	349.1	354.2	368.6	403.2	421.2	414.6	414.2	440.4	467.3	454.2	425.5	399.7
52,5°	327.9	326.5	344.1	367.6	400.4	437.9	429.5	433.8	473.6	481.7	446.5	405.9	376.8
55,0°	273.5	283.7	291.4	304.9	348.4	431.3	446.8	476.6	491.3	465.8	423.5	397.6	349.1
57,5°	273.4	289.6	297.1	302.3	328.5	368.3	410.0	491.0	496.5	449.3	426.8	366.3	292.2
60,0°	253.4	271.3	303.7	327.6	349.6	399.0	405.8	466.8	477.9	457.6	373.2	292.8	216.8
62,5°	186.8	207.7	230.6	267.8	319.9	407.7	454.4	483.9	461.8	363.3	288.8	198.5	115.7
65,0°	163.3	190.0	235.5	285.6	321.0	372.1	453.5	451.6	399.2	274.7	167.1	92.2	44.6
67,5°	95.8	115.6	140.9	188.4	277.4	360.8	482.3	370.1	268.2	166.3	77.2	37.0	33.9
70,0°	36.3	45.9	67.9	109.0	189.2	331.7	328.7	245.8	140.9	66.0	35.4	29.3	27.2
72,5°	13.3	13.9	14.1	14.7	109.7	191.1	161.6	113.5	56.1	30.7	24.8	24.3	22.9
75,0°	9.8	10.3	11.1	11.6	46.2	84.7	74.0	34.5	23.7	20.5	19.6	19.7	18.2
77,5°	7.6	7.8	8.3	9.7	12.3	41.0	26.6	15.5	15.1	14.8	17.0	14.0	13.9
80,0°	7.2	7.3	7.6	9.6	9.1	14.1	10.8	11.1	11.7	11.8	13.9	10.5	9.6
82,5°	5.9	6.0	6.7	7.3	7.4	7.5	8.1	8.3	8.2	8.0	7.4	7.2	7.1
85,0°	4.1	4.5	5.1	5.6	5.7	5.9	6.4	6.3	6.1	5.9	5.6	5.1	5.0
87,5°	2.1	2.5	3.2	3.8	4.3	4.5	4.9	5.4	5.4	5.2	4.6	4.1	3.5
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: 5XE2D32S08GA + 5XEBLE2086</b> <b>EAN: 4058352424704 + 4058352478974</b>	<b>LP number</b> <b>59162_36</b>
<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°	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2
2,5°	289.5	287.8	289.5	285.5	285.3	286.7	297.5	297.1	294.5	291.4	290.6	289.0	286.2
5,0°	283.3	281.9	286.3	287.7	287.5	286.8	297.4	296.5	290.4	284.3	278.5	278.8	277.4
7,5°	296.5	294.6	294.1	297.3	298.1	298.6	303.3	295.4	286.9	282.0	277.3	275.3	272.3
10,0°	310.7	309.9	306.0	304.6	304.3	307.2	298.3	294.1	286.1	278.5	276.0	274.3	270.7
12,5°	314.8	318.1	318.5	316.7	314.7	314.2	311.5	304.4	295.3	286.7	282.1	274.1	270.1
15,0°	328.8	326.2	328.8	330.1	329.4	329.7	316.8	307.7	295.2	291.6	286.8	281.1	268.8
17,5°	332.6	324.5	331.7	331.6	334.9	342.2	317.0	309.3	299.6	289.2	278.2	273.8	264.6
20,0°	337.5	339.8	341.6	335.5	335.4	342.9	315.6	318.3	299.1	292.6	283.1	277.2	273.2
22,5°	349.0	341.0	335.6	335.9	338.0	336.1	320.7	316.3	303.4	295.8	284.3	274.6	269.5
25,0°	346.9	352.1	341.3	342.9	337.4	336.2	312.6	322.7	310.2	299.7	293.8	279.9	272.1
27,5°	346.9	354.1	339.9	342.7	339.6	350.1	309.2	318.4	316.8	307.6	289.5	286.2	271.6
30,0°	359.7	345.9	350.0	348.4	344.8	332.4	317.7	310.6	315.1	295.0	295.9	286.1	262.6
32,5°	357.3	353.2	347.9	360.2	357.1	350.3	318.5	314.9	309.6	305.7	290.3	273.2	253.8
35,0°	367.5	362.9	373.1	373.1	369.8	366.5	317.1	317.7	316.1	307.8	290.4	269.8	224.8
37,5°	388.0	386.1	375.5	391.3	379.2	374.7	315.5	315.4	317.1	303.6	286.2	252.7	203.5
40,0°	399.0	391.0	389.6	387.0	380.6	370.0	327.3	314.1	312.5	303.4	278.3	229.4	181.4
42,5°	413.5	392.3	390.6	390.6	388.7	371.9	323.4	313.7	321.6	299.2	260.4	209.5	166.6
45,0°	408.6	397.0	386.9	386.7	378.9	386.5	325.4	307.9	310.5	288.4	247.3	185.5	147.6
47,5°	402.1	381.2	356.9	349.0	337.0	342.9	328.2	312.1	314.3	279.4	218.1	163.0	132.8
50,0°	374.5	345.6	333.8	315.7	305.8	307.6	337.3	315.9	297.9	253.0	193.6	126.7	108.3
52,5°	348.9	321.1	287.3	276.4	257.8	249.5	315.4	307.1	288.0	232.6	164.8	106.0	98.4
55,0°	303.8	259.7	213.1	194.7	175.0	167.2	265.8	254.2	225.4	184.1	135.5	93.9	90.7
57,5°	231.6	180.2	142.7	110.4	100.6	95.5	256.1	241.6	202.2	151.6	100.8	79.1	77.8
60,0°	143.9	100.2	73.3	58.3	54.1	50.9	236.0	216.4	183.3	130.2	89.0	66.6	67.2
62,5°	66.6	48.0	46.3	41.5	39.3	38.9	171.1	153.7	125.8	93.6	71.2	64.7	57.1
65,0°	36.4	37.5	41.3	37.5	34.5	34.0	143.8	132.6	103.1	69.6	54.3	54.8	48.3
67,5°	31.1	32.1	33.0	30.4	28.2	28.4	84.6	73.0	57.7	45.3	42.0	44.9	41.6
70,0°	25.9	26.7	26.9	25.5	24.0	22.4	33.2	32.7	32.0	27.5	28.3	33.8	36.2
72,5°	22.1	22.1	21.4	20.2	19.4	18.2	13.6	13.3	13.6	14.2	16.5	22.8	24.4
75,0°	18.4	18.4	17.6	16.3	15.5	14.5	9.9	9.8	10.6	10.6	12.3	15.7	18.0
77,5°	13.6	13.6	13.5	11.1	10.0	9.3	7.6	7.5	7.4	8.2	9.4	13.0	14.1
80,0°	9.7	9.5	8.0	6.6	6.2	5.2	7.1	6.9	7.1	7.5	7.9	11.6	11.0
82,5°	6.3	5.9	4.8	4.1	3.3	3.1	5.9	6.0	5.9	6.1	6.8	7.7	8.0
85,0°	4.3	3.7	2.7	1.9	1.4	1.1	3.9	3.9	4.0	4.3	5.1	5.5	5.3
87,5°	3.0	2.4	1.8	1.3	0.6	0.3	1.9	1.9	2.1	2.3	3.0	3.6	4.0
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	0.0

## Photometric test report

<b>Family</b> <b>Streetlight 21 mini LED</b>	<b>Order number: 5XE2D32S08GA + 5XEBLE2086</b> <b>EAN: 4058352424704 + 4058352478974</b>	<b>LP number</b> <b>59162_36</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°	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	0.4	0.4
2,5°	287.1	288.7	286.1	284.5	284.6	286.2	287.5	290.5	291.1	288.9	288.7	3.5	3.9
5,0°	274.7	276.7	273.9	273.2	271.5	268.7	269.9	268.2	267.2	265.3	267.8	6.8	10.7
7,5°	271.9	268.7	265.7	266.3	261.8	260.3	258.6	257.3	259.5	261.0	260.4	10.2	20.9
10,0°	265.2	260.8	261.5	260.6	257.6	253.6	252.3	250.0	248.9	252.8	253.3	13.6	34.5
12,5°	269.4	268.3	261.5	256.8	251.5	254.9	256.0	252.8	248.3	245.5	243.4	17.2	51.7
15,0°	261.4	261.5	256.6	253.3	251.0	243.9	240.6	243.0	244.0	241.7	240.9	20.9	72.6
17,5°	261.0	255.5	257.9	252.3	242.0	241.2	238.5	227.9	229.9	226.3	224.9	24.4	96.9
20,0°	267.4	254.8	246.4	238.4	229.2	221.5	215.8	210.4	200.5	196.2	198.6	27.6	124.5
22,5°	268.6	256.9	239.9	226.0	211.2	197.0	190.6	182.7	179.3	178.2	180.7	30.7	155.3
25,0°	261.4	243.1	225.5	200.4	189.8	179.8	176.0	164.8	164.5	159.4	155.3	33.8	189.1
27,5°	252.3	222.0	198.5	181.9	173.3	163.1	153.6	150.3	141.9	138.0	133.1	36.4	225.5
30,0°	231.1	204.5	184.4	168.9	155.7	146.6	131.4	132.3	128.3	123.3	120.6	39.1	264.6
32,5°	210.4	187.0	167.0	146.3	134.7	131.9	123.0	117.3	114.5	109.8	108.7	41.6	306.2
35,0°	191.7	169.7	149.6	133.4	129.1	124.9	115.9	111.4	107.9	104.2	103.3	44.5	350.7
37,5°	167.7	151.6	134.9	128.2	123.3	116.8	111.1	109.6	104.1	101.1	98.2	47.2	397.9
40,0°	155.0	136.6	128.6	120.4	117.8	110.3	105.1	100.9	96.5	91.4	92.3	49.7	447.7
42,5°	141.9	126.4	121.1	113.7	113.2	107.0	99.6	92.9	86.7	80.7	79.9	52.2	499.9
45,0°	127.2	116.5	110.4	106.9	103.7	94.5	89.9	84.2	78.4	76.9	75.3	54.4	554.3
47,5°	118.1	109.8	100.1	94.9	90.0	84.8	79.6	75.1	76.5	73.8	71.8	55.4	609.7
50,0°	107.8	97.6	84.7	84.8	80.6	75.1	72.5	71.0	70.9	68.5	66.8	55.8	665.5
52,5°	96.1	87.4	82.6	76.8	72.1	68.4	68.3	65.8	65.1	61.7	60.5	55.3	720.8
55,0°	85.5	80.6	76.8	71.7	66.9	63.6	64.0	59.5	57.7	55.2	56.6	51.0	771.8
57,5°	72.4	71.3	70.0	66.2	61.5	61.7	60.7	56.7	54.3	52.7	51.6	47.3	819.1
60,0°	59.3	62.0	67.9	60.1	62.2	59.8	55.2	52.4	50.4	48.9	46.3	43.8	862.9
62,5°	48.7	55.9	60.9	53.4	72.2	55.3	49.8	49.4	44.7	43.8	42.7	37.4	900.3
65,0°	45.1	50.4	48.8	50.5	72.0	52.1	46.2	44.9	41.9	39.2	37.3	32.9	933.3
67,5°	35.8	41.7	42.5	43.0	63.1	46.6	41.5	38.6	35.9	33.1	31.0	25.4	958.7
70,0°	30.7	32.6	35.7	36.1	51.1	40.5	34.3	30.1	28.5	24.8	23.7	17.0	975.6
72,5°	23.7	26.6	30.4	30.3	37.6	34.6	26.3	21.7	19.3	16.3	14.8	9.4	985.1
75,0°	18.4	20.0	22.7	22.9	26.8	24.0	18.8	14.3	12.4	10.8	10.2	5.6	990.7
77,5°	14.9	15.8	17.4	17.1	17.1	16.5	13.1	9.1	6.4	5.3	4.4	3.5	994.2
80,0°	10.8	11.5	11.3	11.1	10.0	10.3	7.7	4.7	3.2	1.9	1.6	2.4	996.6
82,5°	7.4	7.5	6.5	6.6	5.8	4.8	3.7	2.5	1.8	1.2	0.9	1.6	998.2
85,0°	5.5	5.1	4.3	3.3	2.5	1.3	0.8	0.6	0.4	0.8	0.5	1.1	999.3
87,5°	3.9	3.9	3.0	1.8	0.7	0.0	0.0	0.0	0.0	0.4	0.5	0.7	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: 5XE2D32S08GA + 5XEBLE2086</b> <b>EAN: 4058352424704 + 4058352478974</b>	<b>LP number</b> 59162_36
<b>Dimming levels table</b>		<b>environmental temperature: 25°C</b>
<b>siteco</b>		

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	4940	40.4	41.1	40.8
95	240	252	4701	38.1	38.8	38.4
90	225	250	4442	35.8	36.4	36.1
85	211	247	4194	33.5	34.1	33.8
80	197	245	3945	31.3	31.9	31.6
75	184	242	3710	29.3	29.8	29.6
70	170	239	3453	27.1	27.5	27.3
65	157	236	3210	25.1	25.5	25.3
60	144	233	2965	23.2	23.5	23.4
55	131	230	2717	21.2	21.5	21.4
50	118	226	2466	19.2	19.5	19.4
45	106	222	2231	17.4	17.6	17.5
40	93	217	1973	15.4	15.6	15.5
35	81	212	1732	13.6	13.8	13.7
30	69	206	1488	11.8	12.0	11.9
25	57	199	1241	10.1	10.2	10.1
20	45	191	991	8.3	8.4	8.4
15	33	179	739	6.6	6.7	6.6
11	23	166	526	5.2	5.2	5.2

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	5050	40.9	41.6	41.2
95	240	252	4803	38.6	39.3	39.0
90	226	250	4551	36.4	37.0	36.7
85	212	247	4297	34.2	34.8	34.5
80	198	245	4040	31.9	32.5	32.2
75	184	242	3778	29.8	30.2	30.0
70	171	240	3533	27.7	28.1	27.9
65	158	237	3285	25.7	26.0	25.8
60	145	233	3034	23.6	24.0	23.8
55	132	230	2781	21.6	21.9	21.8
50	119	226	2524	19.6	19.9	19.8
45	106	222	2264	17.6	17.8	17.7
40	94	218	2022	15.8	16.1	16.0
35	82	213	1776	13.9	14.2	14.0
30	69	206	1507	12.0	12.2	12.1
25	57	199	1257	10.2	10.3	10.2
20	45	191	1004	8.5	8.6	8.6
15	33	179	748	6.7	6.8	6.8
11	23	166	533	5.3	5.3	5.3

## Photometric test report

<b>Family</b> <b>Streetlight 21 mini LED</b>	<b>Order number: 5XE2D32S08GA + 5XEBLE2086</b> <b>EAN: 4058352424704 + 4058352478974</b>	<b>LP number</b> <b>59162_36</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] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	5000	40.6	41.4	41.0
95	240	252	4757	38.4	39.1	38.8
90	225	250	4492	36.0	36.7	36.4
85	212	247	4259	34.0	34.5	34.2
80	198	245	4005	31.7	32.3	32.0
75	184	242	3748	29.5	30.0	29.8
70	171	240	3505	27.5	27.9	27.7
65	157	236	3241	25.3	25.7	25.5
60	144	233	2992	23.3	23.7	23.5
55	131	230	2741	21.3	21.6	21.5
50	119	226	2507	19.4	19.7	19.5
45	106	222	2250	17.5	17.7	17.6
40	94	218	2009	15.6	15.9	15.8
35	81	212	1745	13.7	13.9	13.8
30	69	206	1499	11.9	12.1	12.0
25	57	199	1250	10.1	10.3	10.2
20	45	191	999	8.4	8.5	8.4
15	33	179	744	6.6	6.7	6.6
11	23	166	530	5.2	5.2	5.2

**Photometric test report**

<b>Family</b> Streetlight 21 mini LED	<b>Order number:</b> 5XE2D32S08GA + 5XEBLE2086 <b>EAN:</b> 4058352424704 + 4058352478974	<b>LP number</b> 59162_36
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**Luminousfluxs table**



Temperature °C	Luminous flux lm	Power consumption W
25.0	4940.0	40.4
5.0	5050.0	40.9
15.0	5000.0	40.6