

Photometric test report

Family
Streetlight 21 micro LED

Order number: **5XE1C43S08DB**
EAN: **4058352805763**

LP number
59081_926

Envelope curve in cd/klm

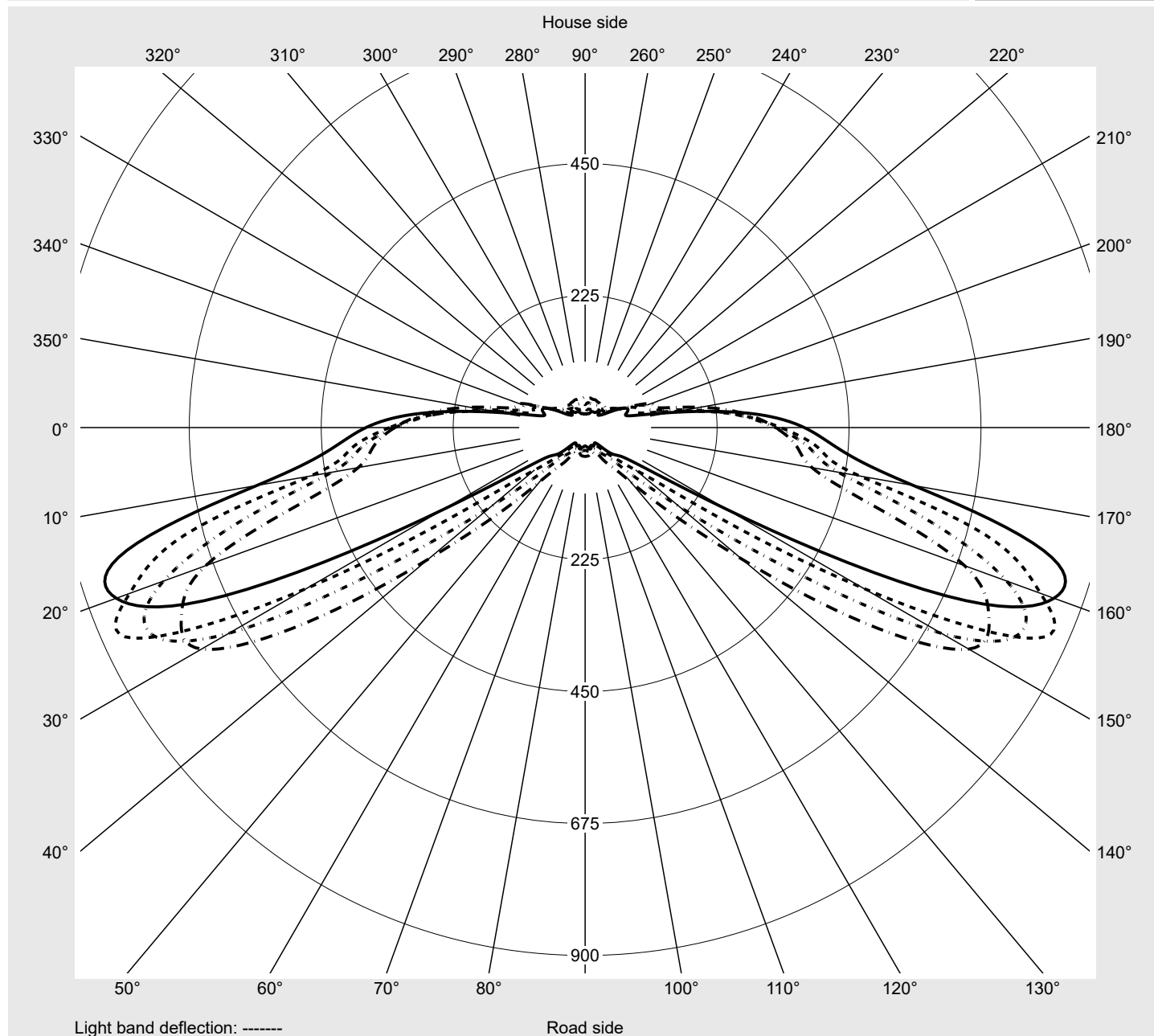
KMK 67.5°

KMK 65°

KMK 62.5°

KMK 60°

siteco



Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1C43S08DB EAN: 4058352805763	LP number 59081_926
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°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6
2,5°	241.2	242.0	242.3	244.6	244.8	245.6	247.5	249.2	247.9	248.6	249.4	249.4	252.1
5,0°	242.8	244.4	246.4	248.5	250.4	250.4	252.4	251.7	252.9	252.6	256.1	257.1	257.8
7,5°	238.1	244.7	246.4	249.3	254.1	253.8	256.3	259.1	262.2	263.1	264.0	270.2	274.3
10,0°	249.5	250.2	252.0	252.1	259.2	263.7	267.3	266.8	269.8	277.2	281.7	280.5	280.0
12,5°	252.1	255.9	263.4	267.0	269.7	278.2	283.8	288.0	292.2	295.4	292.5	284.3	282.5
15,0°	254.9	259.7	266.2	274.9	280.0	287.7	293.3	298.3	295.3	290.9	287.2	283.7	284.2
17,5°	256.6	260.1	271.3	284.8	287.9	294.5	301.9	294.7	290.2	290.7	291.7	283.4	285.5
20,0°	263.5	268.8	274.7	282.1	289.2	296.3	303.4	296.5	296.4	293.4	288.7	286.4	289.0
22,5°	259.6	274.8	287.3	297.4	301.8	299.5	298.4	305.1	306.8	304.8	295.9	292.1	289.5
25,0°	266.1	276.1	285.1	300.8	304.0	302.6	304.5	311.0	310.2	300.7	297.4	287.1	288.5
27,5°	272.3	279.3	296.0	304.9	309.9	314.4	317.9	310.6	307.7	310.4	295.7	288.2	284.2
30,0°	274.3	289.2	300.3	316.6	310.7	316.6	319.9	318.9	312.8	302.3	293.0	291.8	303.0
32,5°	279.1	301.8	308.2	311.8	328.0	326.7	325.8	322.5	315.6	310.9	310.7	313.2	326.1
35,0°	290.3	306.6	313.9	321.4	326.3	335.7	340.7	328.4	326.0	321.2	325.3	345.8	350.0
37,5°	294.9	312.8	318.0	328.7	341.1	344.6	341.9	346.7	346.5	347.6	362.9	374.3	375.4
40,0°	294.3	313.3	322.6	331.9	343.9	353.4	365.0	349.2	364.3	390.5	399.4	410.7	406.8
42,5°	296.2	309.6	325.7	338.2	359.7	369.6	367.0	368.1	396.6	441.2	445.2	430.6	422.9
45,0°	295.8	310.9	331.9	350.3	366.0	373.9	386.4	416.1	448.0	481.0	472.9	440.8	413.9
47,5°	295.0	309.3	335.6	359.3	379.7	395.4	417.5	470.9	503.3	514.4	478.4	422.0	378.4
50,0°	297.1	314.5	341.4	367.3	399.9	438.3	493.0	538.5	552.9	521.1	455.9	389.4	328.3
52,5°	304.1	328.9	343.7	368.4	425.7	514.1	577.6	608.3	578.7	500.9	416.3	327.5	253.0
55,0°	310.1	333.9	356.5	394.4	487.6	595.7	651.0	646.3	561.3	455.6	325.0	237.0	181.1
57,5°	318.6	348.3	372.4	430.0	573.5	693.1	711.4	657.9	500.3	322.7	213.2	147.1	101.6
60,0°	324.7	361.8	392.8	503.4	688.8	759.6	755.3	579.5	348.8	203.5	120.8	83.4	65.9
62,5°	324.4	382.8	438.5	601.3	765.0	821.8	701.7	408.6	209.8	117.2	71.5	56.9	47.8
65,0°	333.4	399.5	475.5	706.3	826.4	849.8	548.2	221.0	113.1	76.8	55.7	41.0	36.7
67,5°	373.8	437.3	568.4	809.1	850.8	678.6	279.2	107.7	74.5	62.1	43.2	32.6	31.2
70,0°	387.7	464.2	653.7	826.1	758.4	435.7	109.8	75.1	59.5	49.6	33.2	30.6	30.4
72,5°	352.6	441.9	676.5	725.8	577.5	196.6	70.4	55.5	45.7	39.8	29.7	22.8	23.7
75,0°	295.8	412.3	568.9	514.5	344.7	80.9	53.8	39.8	29.9	31.3	23.0	17.7	16.7
77,5°	213.1	276.5	324.1	259.9	142.0	43.1	29.2	20.9	19.0	22.5	18.6	15.0	14.8
80,0°	96.9	99.6	98.7	79.6	43.8	20.2	12.7	11.1	13.4	14.1	12.0	9.7	10.4
82,5°	18.6	21.9	19.9	11.4	8.2	6.5	5.2	5.0	6.6	7.4	7.2	5.6	6.1
85,0°	1.2	1.2	1.3	1.4	1.4	1.6	1.6	1.7	2.2	2.8	2.5	2.3	2.1
87,5°	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.5	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

Family Streetlight 21 micro LED		Order number: 5XE1C43S08DB EAN: 4058352805763										LP number 59081_926	
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°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6
2,5°	252.7	252.3	253.5	253.9	252.0	253.8	240.2	239.2	240.4	239.0	237.8	236.9	238.2
5,0°	261.6	262.9	262.6	262.5	264.1	265.6	242.6	240.6	238.7	238.3	235.4	234.3	235.6
7,5°	275.6	278.5	278.2	277.4	277.8	277.0	238.4	241.3	240.2	242.8	238.2	235.5	230.7
10,0°	284.8	286.5	285.3	284.2	283.5	286.0	246.7	248.1	242.7	241.4	234.0	230.9	226.1
12,5°	282.9	285.3	280.5	275.7	279.2	280.2	254.8	247.0	239.2	236.8	229.0	222.6	221.7
15,0°	281.8	277.5	277.9	279.4	277.7	277.4	244.7	239.6	238.4	234.6	230.0	219.2	214.8
17,5°	283.9	277.3	277.7	278.9	281.6	284.0	248.6	244.3	240.8	236.9	228.6	219.6	210.1
20,0°	284.6	279.3	279.5	278.5	278.6	283.3	250.4	244.8	243.7	227.9	221.0	216.4	210.3
22,5°	284.0	276.8	272.6	269.1	269.6	266.4	255.9	245.3	244.2	231.5	219.1	210.1	200.8
25,0°	275.9	270.8	271.0	266.2	274.3	266.8	255.1	246.9	247.0	236.8	224.1	207.1	197.3
27,5°	277.2	288.3	288.6	296.6	291.7	292.3	261.4	252.5	247.8	238.4	222.4	196.8	187.3
30,0°	300.5	303.6	307.8	308.9	315.5	295.9	263.4	249.0	247.9	235.1	214.7	195.0	180.4
32,5°	328.9	326.4	327.8	332.8	327.9	340.2	269.9	256.6	249.9	235.9	208.8	190.6	172.1
35,0°	351.6	348.3	339.6	342.2	331.1	336.2	268.3	256.9	245.4	228.0	192.6	183.8	161.7
37,5°	368.3	358.0	349.0	341.4	341.3	326.8	275.2	256.7	243.1	220.7	189.6	173.4	144.9
40,0°	386.9	376.4	360.5	348.9	343.2	330.2	273.0	257.9	233.4	208.2	175.4	159.5	133.5
42,5°	394.5	377.0	352.8	342.8	324.4	313.6	277.4	255.6	229.9	194.1	171.3	138.8	126.0
45,0°	373.7	341.2	311.2	287.0	275.0	280.3	269.7	257.0	221.7	179.7	156.7	124.5	119.8
47,5°	332.0	291.1	265.7	241.8	221.6	223.1	275.8	249.1	205.7	165.3	142.6	109.4	111.0
50,0°	269.1	232.1	206.2	184.4	172.7	170.4	273.8	244.3	195.3	150.3	126.0	94.7	101.4
52,5°	205.2	169.9	145.0	128.5	115.1	114.5	281.2	239.7	184.0	136.5	110.2	80.3	85.7
55,0°	131.1	105.8	91.9	86.1	80.5	76.4	280.3	234.7	170.5	129.9	97.7	73.5	69.5
57,5°	73.3	66.6	63.9	61.6	62.7	65.4	278.3	218.0	152.3	128.6	92.8	69.3	60.8
60,0°	48.6	47.2	42.4	46.5	48.7	49.2	272.7	199.4	130.1	119.1	83.8	65.0	57.4
62,5°	40.8	39.5	39.7	41.1	40.0	38.8	256.8	173.8	115.3	109.6	83.4	61.6	54.5
65,0°	37.1	33.9	37.3	36.9	36.5	33.5	258.2	159.9	96.1	94.2	81.3	61.6	46.5
67,5°	34.6	32.3	33.4	34.6	33.0	31.3	280.0	147.2	77.5	76.0	77.6	59.7	40.8
70,0°	32.0	32.4	30.4	31.7	27.2	29.4	247.6	108.4	58.8	62.7	73.3	58.4	38.2
72,5°	25.2	26.4	26.2	25.4	24.8	23.6	184.7	71.9	48.7	47.4	57.3	50.8	34.9
75,0°	18.7	17.1	18.0	18.7	18.1	18.1	95.7	27.7	25.4	34.3	36.0	34.8	26.3
77,5°	14.2	12.3	12.0	12.2	12.3	12.3	55.6	9.6	10.9	31.1	30.8	23.9	17.8
80,0°	9.5	8.8	8.8	7.5	7.9	7.8	31.0	5.8	8.6	24.2	22.9	16.0	10.4
82,5°	5.3	5.0	4.6	4.2	4.0	3.9	6.6	3.0	4.1	6.3	5.3	3.5	3.5
85,0°	2.4	2.0	1.4	1.5	1.4	1.5	1.1	1.0	1.1	0.9	0.9	0.9	0.8
87,5°	0.4	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2
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

Family Streetlight 21 micro LED		Order number: 5XE1C43S08DB EAN: 4058352805763										LP number 59081_926	
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°	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	241.6	0.4	0.4
2,5°	241.3	240.5	242.5	240.1	240.5	238.9	241.6	240.1	240.9	241.1	242.6	2.9	3.3
5,0°	232.5	230.0	225.5	221.8	226.5	227.3	225.3	224.8	224.3	223.2	221.9	5.8	9.1
7,5°	228.8	226.5	219.5	220.7	219.6	217.7	217.0	215.7	214.0	216.2	214.1	8.8	17.9
10,0°	221.8	216.9	211.2	208.7	206.8	206.5	210.1	210.0	211.5	208.9	215.3	11.8	29.6
12,5°	221.7	219.0	212.0	208.5	206.1	204.8	203.5	204.8	201.1	201.1	201.2	14.8	44.4
15,0°	211.3	207.1	204.4	200.9	196.2	194.7	186.5	183.8	185.7	182.0	180.8	17.4	61.9
17,5°	206.3	200.6	196.9	186.4	183.3	178.8	172.8	169.8	169.5	171.3	167.7	20.1	82.0
20,0°	201.6	192.2	182.0	171.8	168.4	169.4	161.9	159.0	152.8	148.9	148.7	22.6	104.6
22,5°	189.5	176.3	168.2	165.5	154.6	153.5	147.6	143.0	146.7	143.6	139.5	25.0	129.6
25,0°	184.5	169.4	158.8	149.7	145.1	148.3	144.2	138.2	133.4	130.4	128.2	27.4	157.0
27,5°	173.0	162.7	150.4	149.3	152.3	145.3	136.2	132.8	127.0	122.5	119.2	30.2	187.2
30,0°	162.4	143.6	144.2	152.2	146.6	139.1	131.5	121.9	116.8	109.9	110.0	32.9	220.1
32,5°	151.4	142.8	146.9	152.1	141.3	130.1	121.6	111.3	102.8	98.5	94.4	36.1	256.2
35,0°	140.7	148.0	157.5	143.3	130.4	119.8	107.6	101.9	94.1	89.2	89.6	39.0	295.2
37,5°	138.0	151.9	149.9	134.8	118.8	107.3	100.5	88.0	82.4	76.3	72.6	41.9	337.1
40,0°	134.4	154.1	135.3	122.6	107.1	94.1	82.6	75.7	70.2	69.0	67.6	44.8	381.9
42,5°	138.4	139.5	121.1	109.8	93.4	82.5	71.8	67.9	67.8	68.3	64.3	47.4	429.2
45,0°	135.6	129.0	109.2	95.4	84.3	74.3	65.8	66.7	65.5	64.6	65.4	48.8	478.1
47,5°	125.8	116.1	98.6	83.3	73.0	64.2	64.1	63.7	65.2	64.9	63.6	49.6	527.7
50,0°	107.6	99.0	88.5	78.2	64.9	64.1	63.1	62.8	63.9	65.5	68.4	50.0	577.6
52,5°	82.9	78.7	77.0	68.7	62.1	60.2	64.1	62.3	63.2	61.5	60.9	49.5	627.1
55,0°	64.7	64.0	67.3	59.9	58.1	58.2	61.6	60.8	61.2	59.8	60.3	48.5	675.6
57,5°	53.0	55.4	58.6	53.2	55.7	56.3	57.2	58.4	55.2	57.5	58.2	47.1	722.8
60,0°	49.5	48.0	49.5	47.1	48.3	48.9	50.3	49.9	51.1	50.6	52.4	45.5	768.2
62,5°	42.5	42.0	42.1	39.9	42.7	41.6	42.2	42.0	42.4	42.1	39.2	43.6	811.9
65,0°	40.5	35.1	38.1	36.5	35.7	35.7	33.2	31.9	31.9	30.6	32.6	41.7	853.6
67,5°	33.0	31.2	36.8	31.9	30.2	29.8	27.8	24.5	24.4	22.9	23.8	39.4	892.9
70,0°	29.7	26.8	31.6	27.6	24.7	23.0	20.2	19.4	17.5	17.6	16.9	35.6	928.5
72,5°	23.8	22.1	24.3	22.0	18.8	15.9	14.1	13.3	12.0	11.5	10.8	29.6	958.2
75,0°	17.8	15.2	17.8	16.9	13.4	11.6	9.2	7.4	6.2	5.9	5.9	21.6	979.7
77,5°	13.5	11.4	11.0	11.4	10.7	7.7	5.3	3.3	2.5	1.9	1.7	12.8	992.6
80,0°	7.9	5.9	6.5	6.2	5.3	4.4	3.9	1.5	1.0	0.8	0.8	5.5	998.1
82,5°	3.3	2.7	2.5	2.3	2.2	1.7	2.0	0.7	0.3	0.2	0.2	1.5	999.6
85,0°	0.6	0.6	0.5	0.4	0.2	0.2	0.2	0.1	0.0	0.1	0.1	0.3	999.9
87,5°	0.1	0.1	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

office	industry	traffic	retail	public	sports
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Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1C43S08DB EAN: 4058352805763	LP number 59081_926
Dimming levels table		environmental temperature: 25°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	5320	39.1	40.8	40.0
95	238	252	5050	36.6	38.1	37.4
90	223	249	4790	34.2	35.7	35.0
85	208	247	4523	31.9	33.3	32.6
80	193	244	4248	29.7	30.9	30.3
75	179	241	3986	27.5	28.6	28.0
70	165	238	3718	25.4	26.5	26.0
65	152	235	3462	23.4	24.4	23.9
60	139	232	3202	21.5	22.4	22.0
55	125	228	2916	19.4	20.2	19.8
50	113	224	2664	17.7	18.4	18.0
45	100	220	2385	15.8	16.5	16.2
40	88	215	2121	14.1	14.6	14.4
35	76	210	1853	12.4	12.9	12.6
30	65	204	1601	10.8	11.2	11.0
25	53	197	1322	9.2	9.5	9.4
20	42	188	1060	7.7	7.8	7.8
15	31	177	794	6.1	6.3	6.2
12	24	168	623	5.1	5.3	5.2

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	5450	39.6	41.3	40.4
95	239	252	5186	37.2	38.8	38.0
90	223	249	4896	34.7	36.1	35.4
85	209	247	4637	32.5	33.9	33.2
80	194	244	4354	30.1	31.5	30.8
75	180	241	4084	28.0	29.1	28.6
70	166	238	3808	25.9	27.0	26.4
65	153	235	3545	24.0	24.9	24.4
60	140	232	3278	22.0	22.9	22.4
55	127	229	3007	20.0	20.8	20.4
50	114	225	2728	18.1	18.9	18.5
45	101	220	2443	16.2	16.8	16.5
40	89	216	2175	14.5	15.0	14.8
35	77	210	1901	12.8	13.2	13.0
30	66	205	1646	11.2	11.5	11.4
25	54	197	1363	9.4	9.8	9.6
20	43	189	1098	7.9	8.2	8.0
15	32	178	829	6.4	6.6	6.5
12	24	168	630	5.2	5.4	5.3

Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1C43S08DB EAN: 4058352805763	LP number 59081_926
Dimming levels table environmental temperature: 15°C		

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	5390	39.3	41.0	40.2
95	238	252	5114	36.8	38.3	37.6
90	223	249	4848	34.4	35.9	35.2
85	208	247	4575	32.1	33.5	32.8
80	194	244	4314	29.9	31.3	30.6
75	180	241	4048	27.8	28.9	28.4
70	166	238	3776	25.7	26.8	26.2
65	152	235	3496	23.6	24.6	24.1
60	139	232	3233	21.7	22.5	22.1
55	126	228	2963	19.8	20.5	20.2
50	113	224	2687	17.8	18.5	18.2
45	101	220	2427	16.0	16.7	16.4
40	89	216	2161	14.3	14.9	14.6
35	77	210	1889	12.7	13.1	12.9
30	65	204	1613	10.9	11.3	11.1
25	54	197	1355	9.4	9.7	9.6
20	42	188	1068	7.7	7.9	7.8
15	31	177	800	6.2	6.4	6.3
12	24	168	627	5.2	5.3	5.2

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Luminousfluxs table		siteco

Temperature °C	Luminous flux lm	Power consumption W
25.0	5320.0	39.1
5.0	5450.0	39.6
15.0	5390.0	39.3