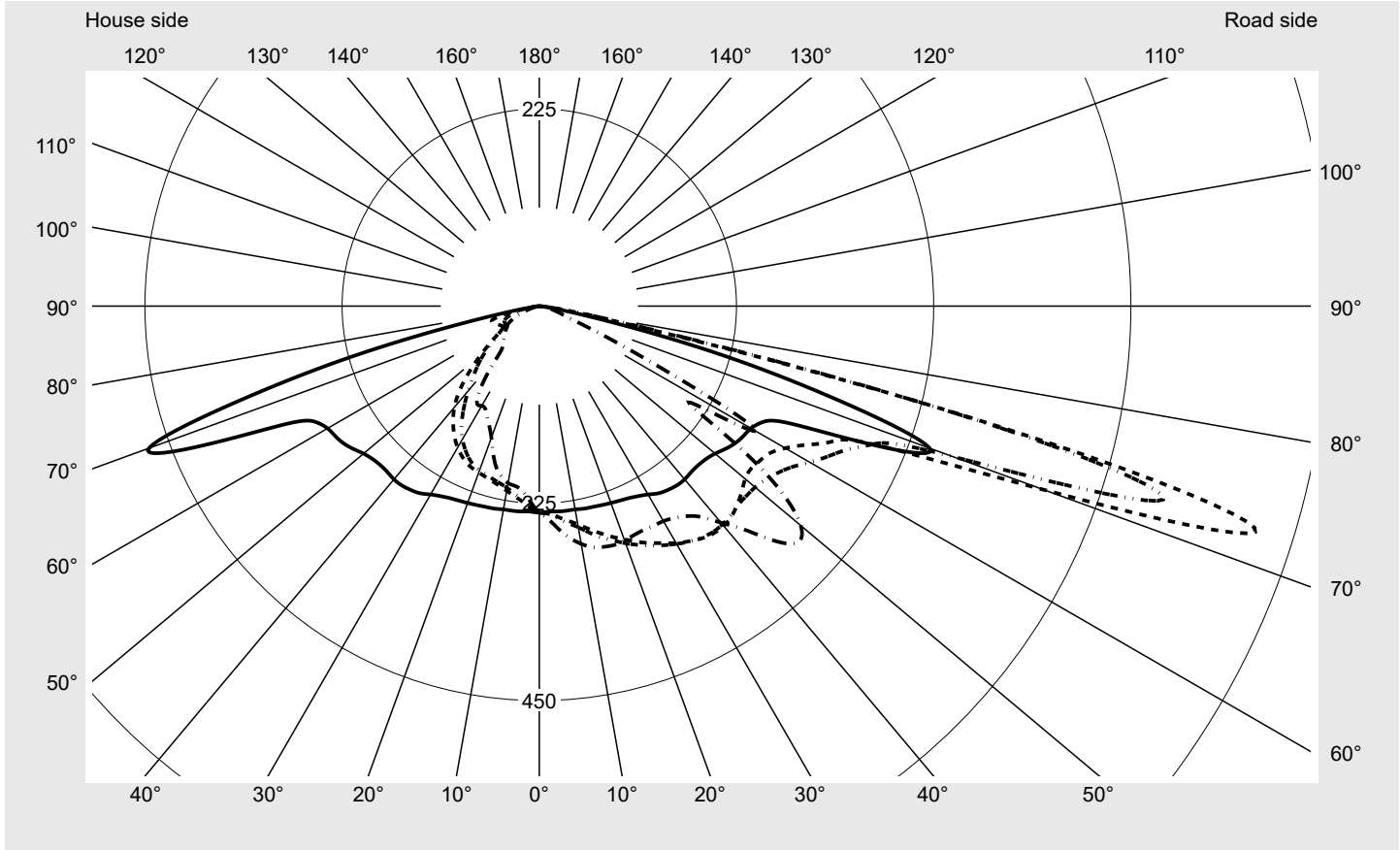


Photometric test report

Family Streetlight 21 midi easy LED	Order number: 5XE7U57N08NB EAN: 4058352995686	LP number 59537_45
	Version post-top or side-entry mounting, NEMA 7 pin (DALI) Optic asymmetric, extremely wide distribution (P0.8a G) Cover toughened safety glass Lamps LED 3000 K CRI ≥ 80 Controlgear ECG-DALI Plus Rated values Net luminous flux = 19690 lm Power consumption = 151.2 W Luminous efficacy = 130.2 lm/W	serial documentation 18.01.2024



Luminous intensity in cd/klm C180-0 C205-25 C210-30 C270-90 **Imax: 856 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°	618.8
Imax 80°	68.3
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

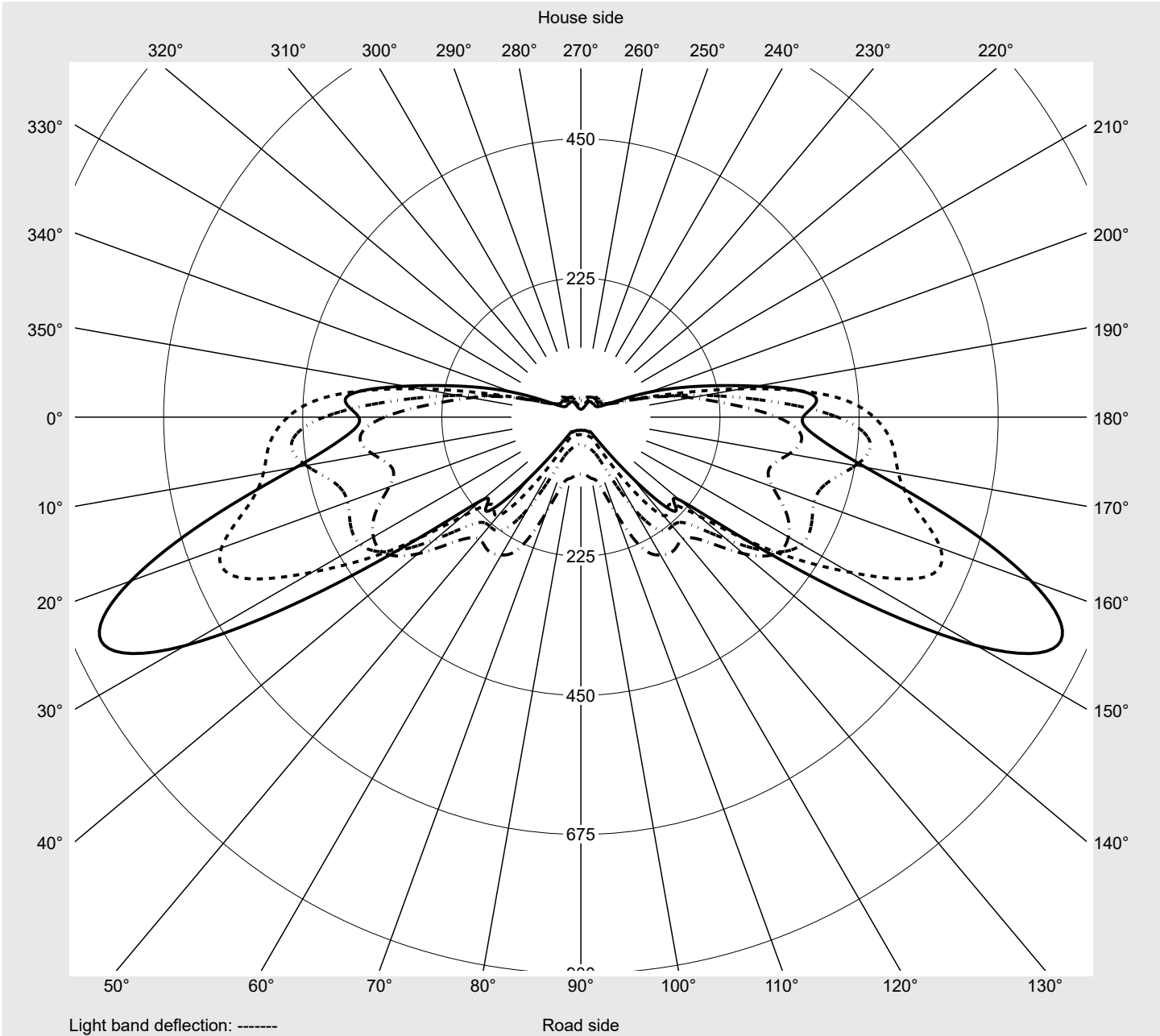
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Streetlight 21 midi easy LED	Order number: 5XE7U57N08NB EAN: 4058352995686	LP number 59537_45
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Envelope curve in cd/klm **KMK 72.5°** **KMK 70°** **KMK 67.5°** **KMK 65°** **siteco**



Photometric test report

Family Streetlight 21 midi easy LED	Order number: 5XE7U57N08NB EAN: 4058352995686	LP number 59537_45
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°	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6
2,5°	234.7	235.2	235.9	236.3	236.6	236.6	237.1	238.2	239.1	239.6	240.2	240.8	241.4
5,0°	235.2	235.6	236.3	237.6	239.5	241.3	243.0	244.7	246.6	248.1	249.5	251.0	252.0
7,5°	235.5	236.3	238.0	240.8	243.9	246.8	249.7	252.2	254.9	256.9	258.9	260.6	262.1
10,0°	235.5	236.9	240.3	244.4	248.7	252.8	256.3	259.5	262.8	265.6	267.6	269.4	270.9
12,5°	236.6	239.6	244.5	249.8	255.3	260.4	264.8	268.6	271.6	274.3	276.7	278.4	279.6
15,0°	237.1	242.1	248.6	255.9	262.4	268.1	272.9	276.0	279.3	281.8	283.4	284.4	285.0
17,5°	238.0	245.1	253.5	262.0	269.7	275.9	280.4	284.2	286.5	288.0	288.8	288.8	288.4
20,0°	239.0	248.9	259.1	268.7	277.4	283.1	288.0	290.8	292.2	293.0	292.9	292.1	290.8
22,5°	240.2	252.1	264.0	275.5	284.7	291.0	294.8	297.0	297.3	297.0	295.8	293.9	291.9
25,0°	241.7	256.4	269.7	282.6	291.9	298.2	301.4	303.0	302.4	300.4	297.9	295.3	292.3
27,5°	244.4	261.7	277.2	290.5	299.8	304.8	307.5	308.4	306.8	303.6	299.8	296.2	293.4
30,0°	248.2	267.9	285.5	299.1	307.5	312.2	313.2	312.7	310.3	306.3	302.1	298.3	295.0
32,5°	253.2	275.1	294.8	308.3	315.3	318.1	318.6	316.5	312.9	309.0	305.2	301.4	299.1
35,0°	256.0	280.7	302.4	316.0	321.9	323.5	322.2	319.1	315.4	312.5	309.8	307.8	305.7
37,5°	257.8	284.8	307.2	321.0	325.8	326.7	325.1	321.5	317.8	316.2	316.4	317.1	315.6
40,0°	258.0	287.5	310.2	322.7	326.9	327.3	325.0	322.7	322.1	322.8	327.0	330.8	329.2
42,5°	256.7	287.7	310.0	321.3	324.3	325.0	323.6	324.2	327.6	332.7	340.5	346.4	346.9
45,0°	256.6	288.1	308.0	315.7	318.1	319.6	320.7	326.4	335.0	346.1	357.7	365.7	371.4
47,5°	258.2	288.9	305.8	309.5	309.7	313.4	320.5	332.2	346.1	362.6	377.2	387.9	396.1
50,0°	261.8	290.2	302.3	301.0	300.0	306.7	321.5	340.0	358.4	378.5	396.1	408.8	416.2
52,5°	267.6	293.4	300.8	295.4	293.1	304.6	325.3	350.3	370.6	391.3	406.9	415.8	411.4
55,0°	272.8	296.9	299.8	291.5	291.2	307.3	331.9	362.0	382.3	398.0	404.3	399.0	374.0
57,5°	276.0	299.2	298.8	289.2	292.4	312.1	341.7	374.1	390.1	391.8	379.5	349.4	309.6
60,0°	279.0	303.6	299.5	289.6	297.1	324.2	356.3	384.7	389.5	368.9	333.7	295.4	269.7
62,5°	286.9	315.3	307.8	295.1	308.6	343.0	371.4	388.3	374.0	327.5	286.9	271.6	282.6
65,0°	317.6	358.3	342.3	316.4	330.0	366.6	387.6	385.2	343.7	283.6	257.0	262.7	257.4
67,5°	415.5	469.6	451.1	412.1	401.5	411.4	411.9	379.6	308.1	243.4	229.9	223.3	170.3
70,0°	474.0	505.9	521.5	558.0	618.8	612.6	501.5	376.0	249.0	200.9	208.1	134.9	52.2
72,5°	359.4	385.8	467.5	612.6	774.9	856.4	739.2	430.1	208.5	215.7	123.1	38.5	28.0
75,0°	217.0	235.1	244.0	284.5	439.0	598.5	574.8	446.3	365.7	173.9	47.3	23.6	20.9
77,5°	84.6	127.6	114.0	114.9	138.6	182.9	201.9	296.7	316.9	127.3	20.5	18.5	15.7
80,0°	25.9	36.3	41.1	42.9	45.7	50.6	56.5	68.3	62.6	24.9	14.8	12.0	10.8
82,5°	6.9	8.1	10.0	11.8	13.7	15.5	15.0	11.3	10.2	7.8	6.8	7.0	6.3
85,0°	2.5	2.4	2.2	2.1	2.3	2.4	2.6	2.2	2.1	2.1	2.8	2.6	3.0
87,5°	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.7	0.7
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

Family Streetlight 21 midi easy LED	Order number: 5XE7U57N08NB EAN: 4058352995686	LP number 59537_45
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°	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6
2,5°	242.1	242.7	242.9	243.3	243.6	243.6	233.9	232.6	232.1	231.5	230.4	229.4	228.4
5,0°	253.1	253.8	254.4	255.1	255.4	255.6	232.8	230.9	228.4	226.2	223.7	221.9	220.0
7,5°	263.4	264.5	265.3	266.1	266.5	266.8	232.3	228.5	224.9	221.8	218.5	216.0	213.6
10,0°	272.2	273.3	274.4	274.8	275.3	275.4	231.7	226.3	221.9	217.7	213.9	210.7	208.5
12,5°	280.0	280.4	281.1	281.0	281.6	281.7	231.8	225.0	219.1	214.2	210.0	207.1	205.4
15,0°	284.9	284.8	284.7	284.5	284.6	284.3	231.7	223.6	216.8	211.0	206.9	204.3	202.7
17,5°	287.8	286.8	286.2	285.8	285.7	285.6	231.9	222.1	214.2	208.2	204.3	201.6	199.7
20,0°	289.1	287.5	286.1	285.1	284.6	284.7	232.2	220.9	211.9	205.8	202.1	199.5	195.9
22,5°	289.6	286.9	284.9	283.4	282.6	282.7	231.3	219.0	209.4	203.8	200.0	196.1	190.4
25,0°	289.7	287.1	284.7	282.7	281.6	281.8	230.9	217.2	207.0	201.2	197.0	190.8	184.6
27,5°	290.7	288.1	285.3	283.5	282.2	282.4	231.0	215.8	204.8	198.3	192.1	183.6	175.8
30,0°	292.7	290.3	287.4	284.9	283.3	283.3	231.9	215.2	203.1	195.6	186.4	175.5	165.7
32,5°	296.9	294.2	290.9	288.1	286.8	286.7	233.9	215.1	201.6	192.3	179.1	165.3	151.3
35,0°	303.7	300.3	297.0	294.1	292.8	292.6	234.2	214.0	199.0	187.8	170.8	152.9	133.6
37,5°	312.8	310.0	307.3	304.8	303.4	303.2	232.9	211.7	195.9	181.7	161.4	139.5	117.8
40,0°	327.4	326.6	326.1	323.7	322.3	322.6	230.5	207.6	190.1	173.9	150.8	126.1	104.7
42,5°	348.4	350.5	351.2	347.7	345.8	345.6	225.6	199.9	180.2	161.5	137.5	113.5	93.3
45,0°	376.2	379.7	381.2	379.7	377.9	378.1	221.9	191.8	167.6	144.8	121.9	102.0	82.5
47,5°	401.7	405.0	405.0	402.3	399.3	399.3	220.2	184.5	154.2	125.7	104.8	91.2	73.0
50,0°	414.0	405.7	397.5	391.6	388.9	389.3	222.4	181.7	144.5	107.3	87.9	79.1	65.2
52,5°	392.1	370.1	354.6	348.1	346.3	348.2	226.1	181.6	137.5	92.3	73.1	67.3	60.3
55,0°	337.6	304.9	283.0	272.8	269.0	270.9	229.7	182.1	133.7	80.5	60.8	58.1	58.1
57,5°	271.5	242.0	225.0	215.8	207.8	205.0	230.4	179.6	129.0	73.2	51.8	51.4	55.3
60,0°	264.0	271.2	273.1	272.9	277.8	285.6	230.7	177.3	127.7	71.4	48.1	45.8	51.3
62,5°	283.7	274.7	259.6	225.0	192.5	183.4	228.9	175.1	126.4	72.1	48.4	43.7	47.7
65,0°	232.6	164.2	111.7	100.7	94.0	92.0	241.4	180.8	126.6	74.4	50.7	43.6	43.9
67,5°	86.7	59.5	51.2	47.7	44.6	43.8	302.9	202.7	126.9	77.2	53.7	43.0	39.8
70,0°	35.6	31.0	29.1	29.3	28.4	28.3	402.8	263.5	138.3	85.7	56.7	39.7	35.3
72,5°	25.1	23.4	22.0	22.1	21.3	21.1	380.0	288.0	191.6	118.1	56.9	34.6	30.1
75,0°	19.2	17.9	16.9	16.8	16.3	16.0	178.4	166.7	153.9	124.4	50.5	28.1	24.5
77,5°	13.8	13.2	12.3	11.9	11.7	11.6	58.4	60.7	56.1	51.7	29.3	20.7	18.3
80,0°	9.4	9.1	8.0	7.4	7.2	7.1	17.6	17.5	18.3	20.2	13.8	11.8	11.5
82,5°	5.4	5.0	4.4	4.2	4.0	3.9	5.6	5.5	5.2	6.9	6.1	6.0	5.6
85,0°	2.4	2.2	1.8	1.7	1.6	1.5	2.6	2.6	2.7	2.7	2.7	2.6	2.4
87,5°	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.5	1.5	1.6	1.5	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

Family Streetlight 21 midi easy LED	Order number: 5XE7U57N08NB EAN: 4058352995686	LP number 59537_45
Table of values for luminous intensities		Maximum luminous intensity
		siteco

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°	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	0.4	0.4
2,5°	227.4	226.8	226.2	225.5	225.0	224.7	224.4	224.1	224.0	223.9	223.9	2.8	3.1
5,0°	218.1	217.3	216.1	214.8	213.9	213.4	213.2	212.8	212.6	212.6	212.5	5.6	8.7
7,5°	211.6	210.3	209.1	208.2	207.6	207.5	207.3	207.2	207.2	207.3	207.2	8.4	17.1
10,0°	207.0	206.1	205.5	205.1	204.9	204.7	204.6	204.9	205.0	205.1	205.0	11.2	28.3
12,5°	204.1	203.5	203.0	202.4	201.7	200.9	200.0	199.6	199.3	199.3	199.1	14.1	42.5
15,0°	201.6	200.3	198.8	196.6	194.9	193.4	192.0	190.9	190.4	190.3	190.1	16.9	59.4
17,5°	197.6	194.5	191.9	189.0	186.6	184.3	181.5	179.0	177.3	175.8	175.4	19.6	79.0
20,0°	191.3	187.9	184.5	181.4	176.1	171.1	166.9	163.7	161.5	160.3	159.8	22.1	101.1
22,5°	185.4	180.9	176.0	169.2	162.6	157.4	153.6	151.3	149.9	149.1	148.8	24.5	125.6
25,0°	178.6	171.8	163.2	156.0	150.1	146.1	143.5	142.0	141.0	140.4	140.3	26.8	152.4
27,5°	168.5	157.6	148.3	141.8	137.3	134.4	133.2	132.8	132.7	132.6	132.8	29.0	181.4
30,0°	153.4	141.7	133.3	127.7	125.4	125.3	126.7	128.6	130.2	131.1	131.4	31.2	212.6
32,5°	135.3	124.0	116.0	113.0	114.6	119.0	124.7	129.0	131.2	131.8	132.0	33.4	246.0
35,0°	117.2	104.7	97.8	98.8	106.1	114.2	119.2	121.3	120.9	119.8	119.3	35.4	281.4
37,5°	100.8	87.9	83.5	88.3	95.8	100.2	101.2	100.7	99.3	97.6	96.9	37.0	318.4
40,0°	86.5	75.2	74.8	79.6	81.5	81.7	80.8	77.9	74.4	72.0	71.1	38.7	357.1
42,5°	75.9	69.2	71.0	71.3	71.3	70.4	67.5	65.1	63.3	62.1	61.6	40.7	397.8
45,0°	68.4	67.4	67.8	67.4	67.1	64.5	62.3	60.7	59.5	58.6	58.2	43.2	441.0
47,5°	64.9	65.9	65.1	65.4	62.7	59.6	58.0	56.9	55.9	55.1	54.7	45.5	486.5
50,0°	63.3	63.8	63.9	61.7	57.5	55.3	54.2	53.1	52.2	51.6	51.4	47.0	533.6
52,5°	63.3	61.9	60.9	57.4	53.5	51.9	50.9	50.0	49.2	48.7	48.7	47.3	580.8
55,0°	61.7	58.2	57.1	52.8	49.6	48.4	47.5	46.8	46.3	46.2	46.3	45.9	626.7
57,5°	55.9	54.2	53.1	48.0	45.6	44.6	44.2	43.6	43.3	43.2	43.3	43.9	670.6
60,0°	50.9	51.2	49.0	43.8	42.0	41.0	41.0	41.3	41.4	41.3	41.4	45.6	716.2
62,5°	47.0	48.1	45.1	40.5	38.9	37.8	37.7	37.0	36.3	36.2	36.6	44.9	761.1
65,0°	43.3	45.0	42.0	38.3	36.9	35.6	34.7	32.8	31.3	30.9	31.2	42.1	803.2
67,5°	39.5	41.3	38.8	36.8	35.8	34.1	30.8	27.7	26.5	26.2	26.5	42.5	845.7
70,0°	35.4	36.0	34.3	34.0	33.6	31.2	25.9	21.9	20.1	19.3	19.1	46.5	892.2
72,5°	29.4	29.7	29.0	29.6	29.0	25.6	19.2	15.4	13.8	12.9	12.7	48.7	940.9
75,0°	23.6	23.4	23.0	23.9	24.0	20.0	13.7	10.2	9.1	8.2	8.1	34.4	975.3
77,5°	17.7	16.7	16.1	17.0	17.6	14.4	8.7	6.1	4.9	4.0	3.8	16.7	992.0
80,0°	11.2	10.2	9.2	9.6	10.6	8.1	5.1	3.3	2.2	1.4	1.2	5.4	997.4
82,5°	5.5	5.0	4.3	4.0	4.7	3.8	2.6	1.8	1.2	0.8	0.7	1.7	999.2
85,0°	2.3	2.1	1.8	1.6	1.5	1.2	1.0	0.8	0.7	0.6	0.5	0.6	999.7
87,5°	1.3	1.2	1.1	1.0	0.8	0.8	0.7	0.6	0.5	0.5	0.5	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

Family Streetlight 21 midi easy LED	Order number: 5XE7U57N08NB EAN: 4058352995686	LP number 59537_45
Dimming levels table		environmental temperature: 25°C
siteco		

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	19690	151.2	156.8	154.0
95	239	252	18734	142.3	147.4	144.9
90	224	249	17745	133.3	138.2	135.8
85	209	247	16736	124.5	128.9	126.7
80	195	244	15766	116.2	120.3	118.2
75	181	242	14770	107.9	111.7	109.8
70	167	239	13758	99.8	103.2	101.5
65	154	236	12805	92.2	95.5	93.8
60	141	232	11830	84.7	87.6	86.2
55	128	229	10841	77.3	79.9	78.6
50	115	225	9830	69.9	72.1	71.0
45	103	221	8884	63.0	65.1	64.0
40	90	216	7836	55.6	57.4	56.5
35	78	211	6857	48.8	50.3	49.6
30	67	205	5946	42.5	43.9	43.2
25	55	198	4935	35.7	36.8	36.2
20	43	189	3912	29.0	29.9	29.4
15	32	178	2960	22.8	23.4	23.1
12	25	169	2348	19.0	19.5	19.2

Dimming levels table

environmental temperature: 5°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	20380	152.9	158.6	155.8
95	239	252	19354	143.9	149.1	146.5
90	225	250	18370	135.5	140.4	138.0
85	210	247	17303	126.5	131.1	128.8
80	196	245	16282	118.2	122.4	120.3
75	183	242	15312	110.5	114.4	112.4
70	169	239	14256	102.3	105.8	104.0
65	156	236	13263	94.6	97.9	96.2
60	143	233	12252	87.0	90.0	88.5
55	130	229	11228	79.5	82.2	80.8
50	117	226	10188	71.9	74.4	73.2
45	104	221	9131	64.4	66.6	65.5
40	92	217	8140	57.5	59.4	58.4
35	80	212	7138	50.5	52.2	51.4
30	68	206	6124	43.7	45.1	44.4
25	56	199	5093	36.8	38.0	37.4
20	44	190	4053	30.0	30.9	30.4
15	33	179	3086	23.7	24.4	24.0
12	25	169	2377	19.3	19.8	19.6

Photometric test report

Family Streetlight 21 midi easy LED	Order number: 5XE7U57N08NB EAN: 4058352995686	LP number 59537_45
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Dimming levels table	environmental temperature: 15°C	siteco
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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	20060	152.1	157.7	154.9
95	239	252	19066	143.1	148.2	145.6
90	224	249	18044	134.0	138.9	136.4
85	210	247	17073	125.7	130.3	128.0
80	196	245	16077	117.5	121.7	119.6
75	182	242	15056	109.2	113.0	111.1
70	168	239	14021	101.0	104.5	102.8
65	155	236	13046	93.4	96.7	95.1
60	142	233	12052	85.8	88.8	87.3
55	129	229	11045	78.4	81.1	79.8
50	116	225	10017	70.8	73.2	72.0
45	104	221	9056	64.0	66.2	65.1
40	91	216	7995	56.5	58.4	57.4
35	79	211	7003	49.6	51.2	50.4
30	67	205	5998	42.8	44.2	43.5
25	55	198	4975	36.0	37.1	36.6
20	44	190	4029	29.8	30.6	30.2
15	32	178	2981	23.0	23.6	23.3
12	25	169	2365	19.1	19.7	19.4

Photometric test report

Family Streetlight 21 midi easy LED	Order number: 5XE7U57N08NB EAN: 4058352995686	LP number 59537_45
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Luminousfluxs table



Temperature °C	Luminous flux lm	Power consumption W
25.0	19690.0	151.2
5.0	20380.0	152.9
15.0	20060.0	152.1