

Photometric test report

Family
Streetlight 21 midi easy LED**Order number: 5XE7U57N08MB**
EAN: 4058352995679**LP number**
59536_117

Version post-top or side-entry mounting, NEMA 7 pin (DALI)

Optic direct, asymmetric wide distribution P080001

Cover toughened safety glass

Lamps LED 3000 K | CRI ≥ 80

Controlgear ECG-DALI Plus

Rated values Net luminous flux = 15940 lm
Power consumption = 137.0 W
Luminous efficacy = 116.4 lm/W

serial
documentation
18.01.2024

siteco

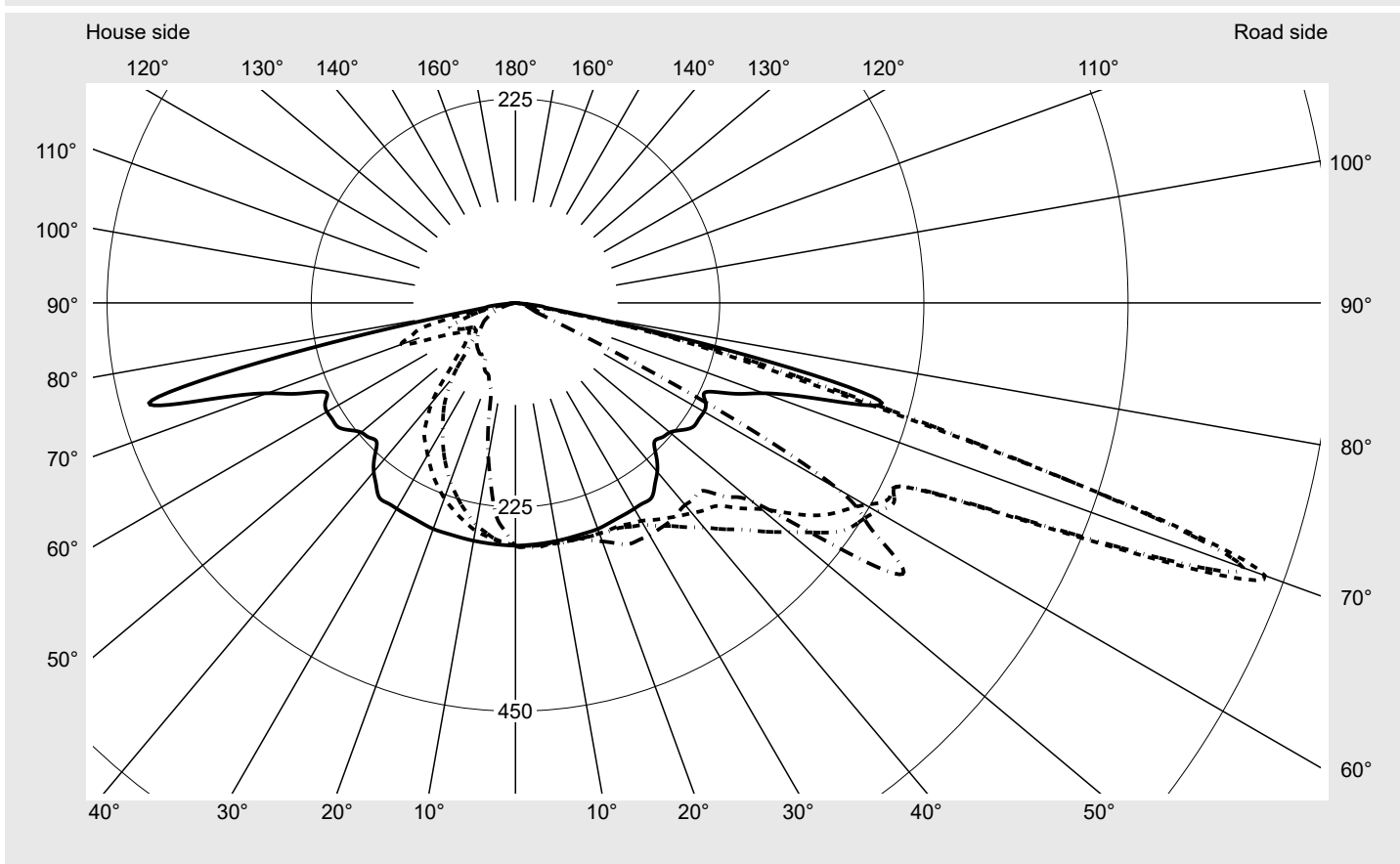
Luminous intensity in cd/klm

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

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Streetlight 21 midi easy LED

Order number: **5XE7U57N08MB**
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59536_117

Envelope curve in cd/klm

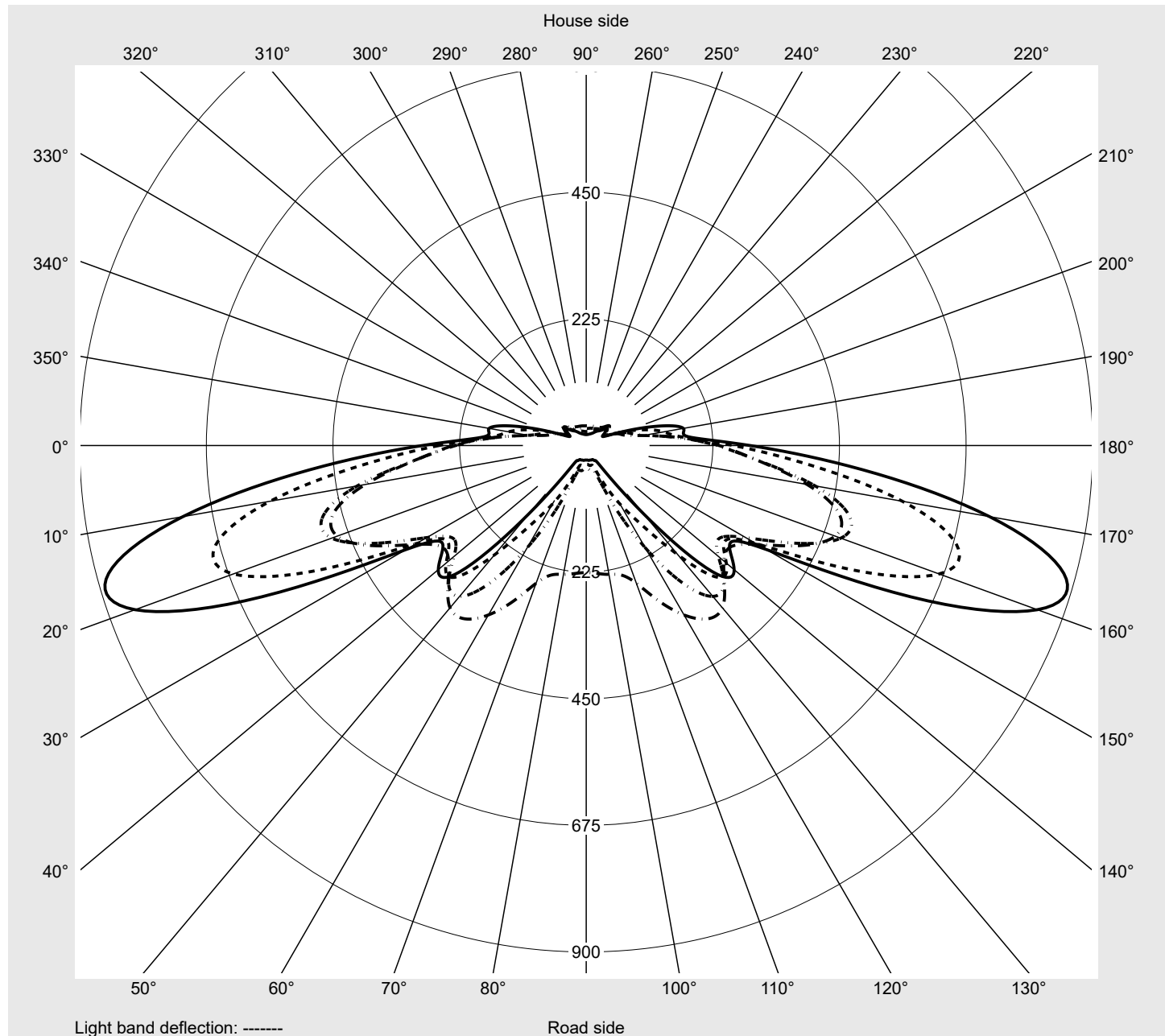
KMK 70°

KMK 67.5°

KMK 65°

KMK 62.5°

siteco



Photometric test report

Family Streetlight 21 midi easy LED	Order number: 5XE7U57N08MB EAN: 4058352995679	LP number 59536_117
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Table of values for luminous intensities	Maximum luminous intensity	siteco
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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°	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

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Family				Order number: 5XE7U57N08MB								LP number			
Streetlight 21 midi easy LED				EAN: 4058352995679								59536_117			
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°	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	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

Family Streetlight 21 midi easy LED		Order number: 5XE7U57N08MB EAN: 4058352995679										LP number 59536_117	
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°	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

office	industry	traffic	retail	public	sports
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Photometric test report

Family Streetlight 21 midi easy LED	Order number: 5XE7U57N08MB EAN: 4058352995679	LP number 59536_117
Dimming levels table environmental temperature: 25°C		sit eco

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	15940	137.0	143.7	140.4
95	237	251	15126	127.6	133.9	130.8
90	221	249	14332	119.0	124.8	121.9
85	206	246	13557	111.0	116.4	113.7
80	191	244	12755	103.0	107.9	105.4
75	177	241	11980	95.6	100.1	97.8
70	162	238	11131	87.7	91.7	89.7
65	149	234	10368	80.9	84.7	82.8
60	136	231	9580	74.1	77.5	75.8
55	123	227	8773	67.4	70.4	68.9
50	110	223	7944	60.7	63.4	62.0
45	98	219	7159	54.6	57.0	55.8
40	86	214	6353	48.5	50.6	49.6
35	75	209	5601	42.8	44.6	43.7
30	63	203	4764	36.7	38.2	37.4
25	52	196	3981	31.1	32.4	31.8
20	41	187	3181	25.6	26.6	26.1
15	30	176	2364	20.1	20.9	20.5
13	27	172	2139	18.6	19.2	18.9

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	16500	138.5	145.2	141.8
95	238	252	15676	129.6	136.0	132.8
90	222	249	14825	120.9	126.8	123.8
85	207	247	14002	112.8	118.4	115.6
80	193	244	13212	105.3	110.3	107.8
75	179	241	12400	97.9	102.5	100.2
70	165	238	11573	90.4	94.6	92.5
65	151	235	10721	83.0	86.9	85.0
60	138	232	9907	76.2	79.6	77.9
55	125	228	9075	69.3	72.6	70.9
50	112	224	8223	62.6	65.3	64.0
45	100	220	7421	56.4	58.9	57.6
40	88	215	6596	50.2	52.3	51.2
35	76	210	5759	43.9	45.8	44.8
30	65	204	4976	38.3	39.9	39.1
25	53	197	4109	32.1	33.4	32.8
20	42	188	3297	26.6	27.6	27.1
15	31	177	2469	21.0	21.7	21.4
13	27	172	2165	18.9	19.6	19.2

Photometric test report

Family Streetlight 21 midi easy LED	Order number: 5XE7U57N08MB EAN: 4058352995679	LP number 59536_117
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	16240	137.7	144.4	141.0
95	238	252	15444	128.9	135.2	132.0
90	222	249	14620	120.2	126.1	123.2
85	207	247	13822	112.1	117.7	114.9
80	192	244	12995	104.1	109.1	106.6
75	178	241	12202	96.7	101.2	99.0
70	164	238	11393	89.3	93.4	91.4
65	150	235	10554	82.0	85.7	83.8
60	137	231	9752	75.1	78.6	76.8
55	124	228	8932	68.3	71.5	69.9
50	111	224	8090	61.6	64.4	63.0
45	99	219	7296	55.5	57.9	56.7
40	87	215	6480	49.3	51.4	50.3
35	75	209	5650	43.1	44.9	44.0
30	64	204	4874	37.4	39.0	38.2
25	53	197	4084	31.9	33.1	32.5
20	42	188	3278	26.3	27.3	26.8
15	31	177	2456	20.8	21.5	21.2
13	27	172	2154	18.8	19.4	19.1

Photometric test report

Family Streetlight 21 midi easy LED	Order number: 5XE7U57N08MB EAN: 4058352995679	LP number 59536_117
Luminousfluxs table		siteco

Temperature °C	Luminous flux lm	Power consumption W
25.0	15940.0	137.0
5.0	16500.0	138.5
15.0	16240.0	137.7