

Photometric test report

Family
Streetlight 21 midi easy LED**Order number: 5XE7U27N08MB**
EAN: 4058352995594**LP number**
59536_109

Version	post-top or side-entry mounting, NEMA 7 pin (DALI)
Optic	direct, asymmetric wide distribution P080001
Cover	toughened safety glass
Lamps	LED 2200 K CRI ≥ 70
Controlgear	ECG-DALI Plus
Rated values	Net luminous flux = 15120 lm Power consumption = 134.3 W Luminous efficacy = 112.6 lm/W

serial
documentation
18.01.2024

siteco

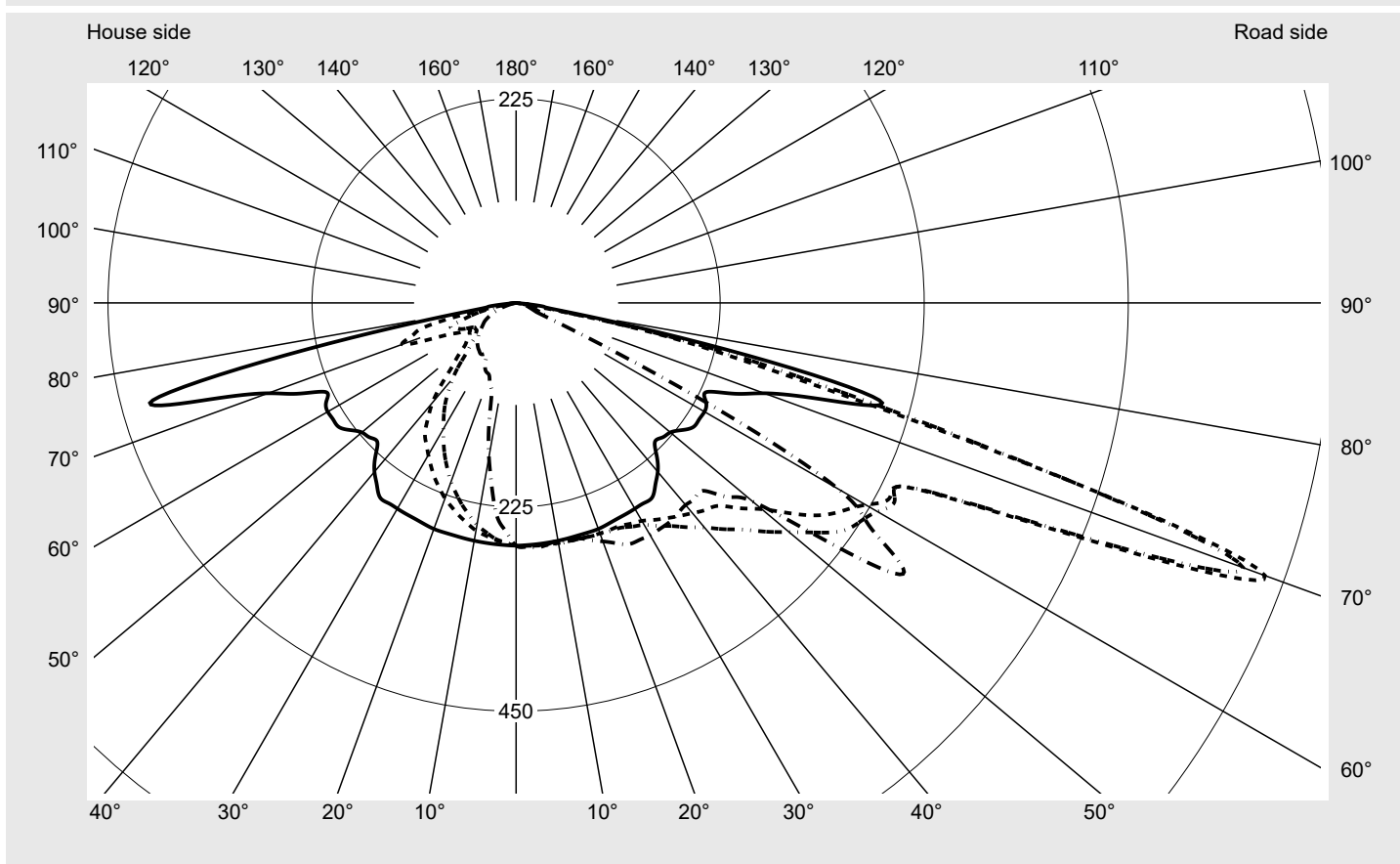
Luminous intensity in cd/klm

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%

Measurement conditions

DIN EN 13032 and DIN 5032

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

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Order number: **5XE7U27N08MB**
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Envelope curve in cd/klm

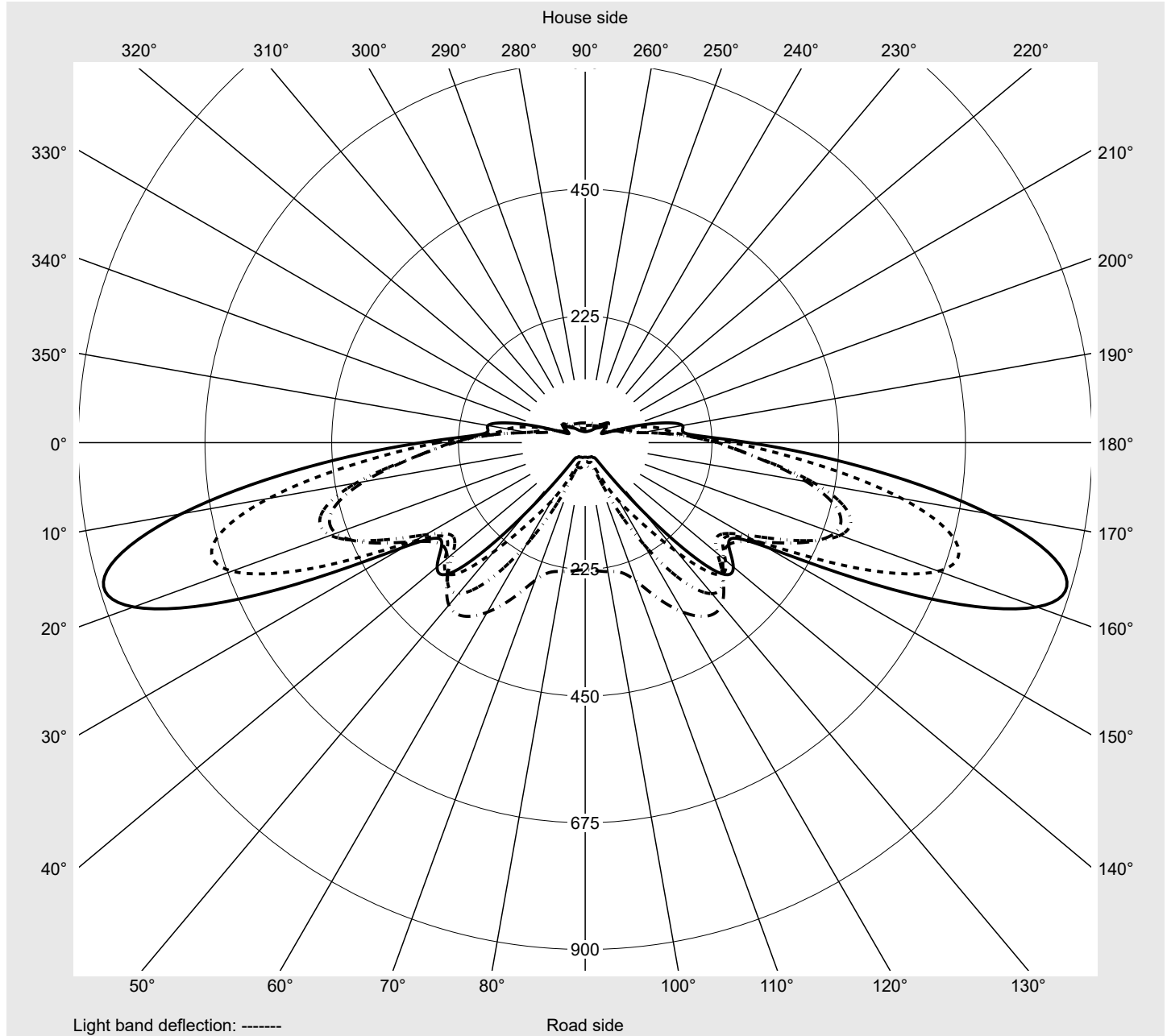
KMK 70°

KMK 67.5°

KMK 65°

KMK 62.5°

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Family Streetlight 21 midi easy LED		Order number: 5XE7U27N08MB EAN: 4058352995594										LP number 59536_109	
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°	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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Family Streetlight 21 midi easy LED	Order number: 5XE7U27N08MB EAN: 4058352995594	LP number 59536_109
Dimming levels table environmental temperature: 25°C		sITeco

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	15120	134.3	141.0	137.6
95	237	251	14345	125.3	131.4	128.4
90	221	249	13588	116.9	122.5	119.7
85	206	246	12853	108.9	114.2	111.6
80	191	244	12087	101.1	105.9	103.5
75	177	241	11351	93.8	98.3	96.0
70	163	238	10598	86.7	90.7	88.7
65	149	234	9816	79.5	83.2	81.4
60	136	231	9070	72.9	76.2	74.6
55	123	227	8304	66.3	69.2	67.8
50	111	224	7580	60.1	62.8	61.4
45	98	219	6775	53.7	56.0	54.8
40	87	215	6075	48.2	50.3	49.2
35	75	209	5300	42.1	43.8	43.0
30	63	203	4506	36.1	37.6	36.8
25	52	196	3766	30.6	31.9	31.2
20	41	187	3007	25.2	26.2	25.7
15	30	176	2236	19.8	20.6	20.2
13	27	172	2023	18.3	19.0	18.6

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	15650	135.8	142.5	139.2
95	238	252	14864	127.2	133.4	130.3
90	223	249	14107	119.3	125.0	122.2
85	208	247	13326	111.3	116.6	114.0
80	193	244	12521	103.4	108.3	105.8
75	179	241	11751	96.1	100.5	98.3
70	165	238	10964	88.8	92.9	90.8
65	151	235	10153	81.5	85.3	83.4
60	138	232	9382	74.8	78.2	76.5
55	125	228	8592	68.1	71.3	69.7
50	113	224	7847	62.0	64.7	63.4
45	100	220	7023	55.4	57.8	56.6
40	88	215	6242	49.3	51.5	50.4
35	76	210	5449	43.2	45.0	44.1
30	65	204	4709	37.6	39.2	38.4
25	53	197	3888	31.6	32.8	32.2
20	42	188	3119	26.1	27.2	26.6
15	31	177	2335	20.7	21.4	21.0
13	27	172	2048	18.7	19.3	19.0

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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	15400	135.0	141.7	138.4
95	238	252	14642	126.5	132.6	129.6
90	222	249	13858	118.1	123.7	120.9
85	207	247	13100	110.2	115.3	112.8
80	192	244	12313	102.2	107.1	104.6
75	178	241	11559	94.9	99.4	97.2
70	164	238	10789	87.7	91.8	89.8
65	150	235	9991	80.5	84.2	82.4
60	137	231	9232	73.9	77.2	75.6
55	124	228	8453	67.1	70.2	68.6
50	112	224	7718	61.0	63.8	62.4
45	99	219	6903	54.5	56.9	55.7
40	87	215	6130	48.5	50.6	49.6
35	76	210	5411	42.9	44.7	43.8
30	64	204	4610	36.8	38.4	37.6
25	53	197	3863	31.4	32.6	32.0
20	42	188	3100	25.9	26.9	26.4
15	31	177	2323	20.5	21.2	20.8
13	27	172	2037	18.5	19.2	18.8

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Luminousfluxs table		siteco

Temperature °C	Luminous flux lm	Power consumption W
25.0	15120.0	134.3
5.0	15650.0	135.8
15.0	15400.0	135.0