

Photometric test report

Family
Streetlight 21 midi easy LED

Order number: 5XE7D37N08NB
EAN: 4058352898024

LP number
59078_212



Version post-top or side-entry mounting, NEMA 7 pin (DALI)
Optic asymmetric, wide distribution (ST1.0a G)
Cover toughened safety glass
Lamps LED 3000 K | CRI ≥ 70
Controlgear ECG-DALI Plus
Rated values Net luminous flux = 22700 lm
 Power consumption = 151.2 W
 Luminous efficacy = 150.1 lm/W

serial
documentation
16.06.2023

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Luminous intensity in cd/klm

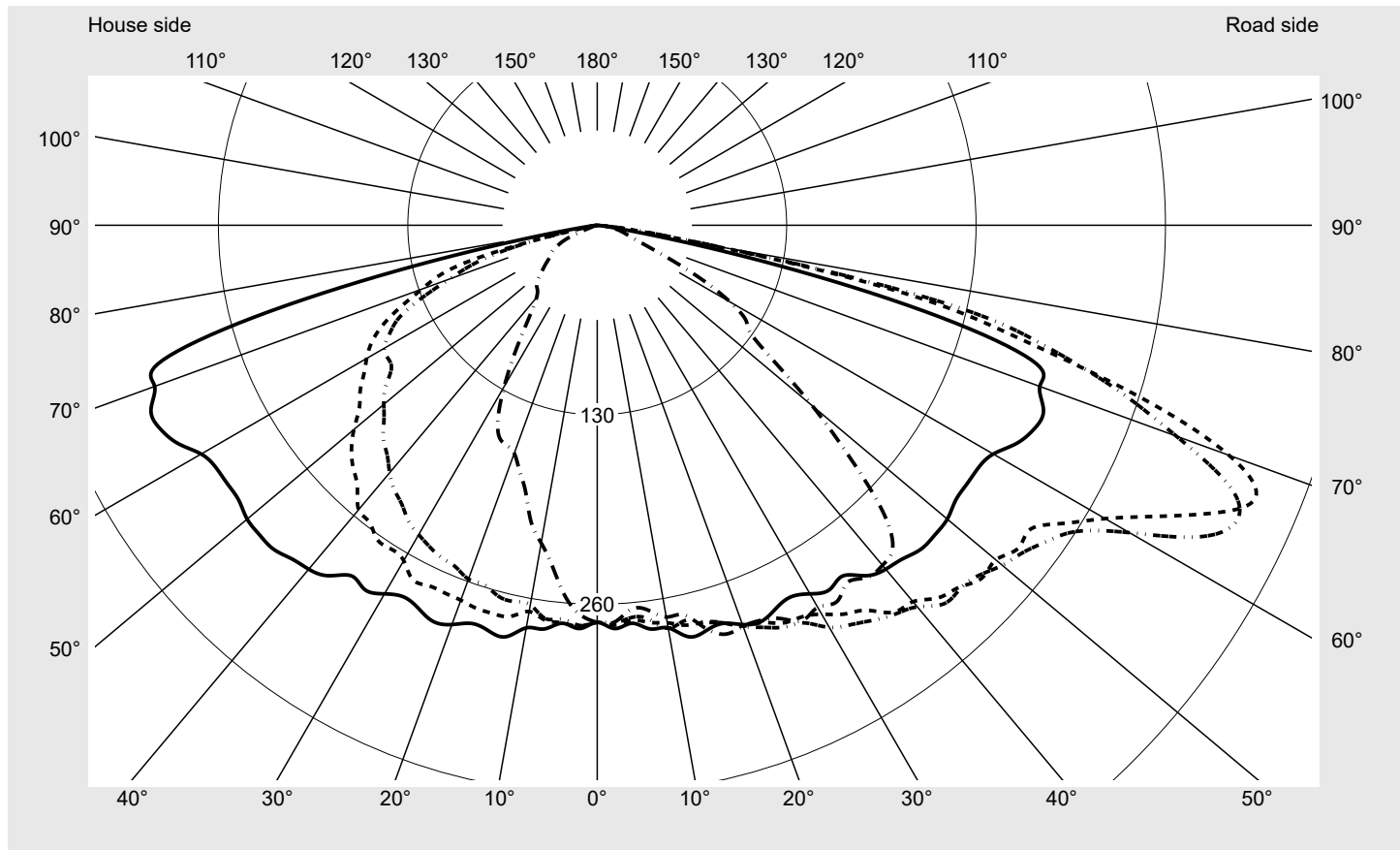
C180-0

C195-15

C200-20

C270-90

Imax: 489 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:	G4
Imax 70°	461.5
Imax 80°	96.1
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions

DIN EN 13032 and DIN 5032

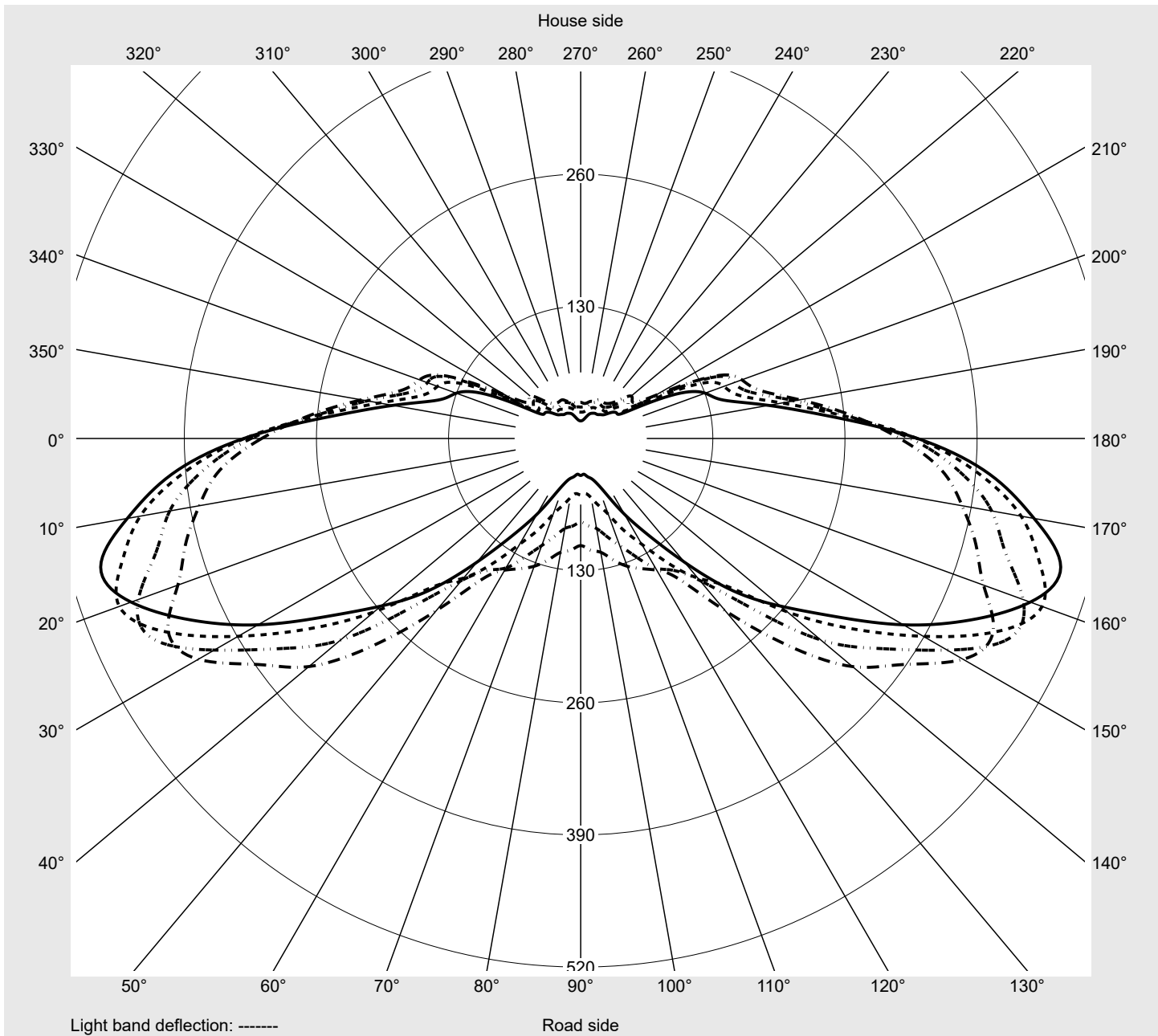
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Envelope curve in cd/klm

KMK 67.5°
KMK 65°
KMK 62.5°
KMK 60°

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Table of values for luminous intensities		Maximum luminous intensity

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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°	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5
2,5°	277.0	276.4	275.2	274.5	273.0	273.7	272.9	273.0	271.2	271.2	271.1	271.2	271.4
5,0°	274.1	274.0	274.4	271.9	270.1	269.9	268.3	270.2	270.2	270.8	270.6	270.2	268.6
7,5°	279.4	277.3	274.8	274.9	272.6	273.0	273.3	271.7	269.4	269.4	269.0	268.1	269.4
10,0°	280.5	276.6	274.8	277.0	280.8	278.6	272.2	269.6	269.1	273.3	273.9	275.3	275.6
12,5°	289.2	286.8	282.7	281.0	277.9	277.4	280.6	282.2	279.8	279.6	278.5	279.4	279.1
15,0°	288.1	289.0	288.6	282.0	281.9	284.6	284.1	287.9	291.2	290.4	290.4	287.4	286.6
17,5°	286.5	287.8	285.5	285.9	286.0	290.2	291.3	295.8	292.3	291.9	293.7	291.6	289.1
20,0°	291.5	292.4	288.6	292.7	293.0	298.5	297.4	298.5	297.9	297.2	297.4	296.1	295.5
22,5°	294.2	287.4	289.6	295.1	298.6	301.7	301.5	304.4	301.6	303.0	304.1	302.2	302.9
25,0°	290.1	291.1	297.6	301.1	304.1	306.9	304.1	310.9	311.8	314.8	310.7	306.6	305.0
27,5°	287.5	292.3	300.5	303.1	307.5	314.6	310.4	317.0	314.8	313.0	306.9	305.5	309.4
30,0°	292.0	294.2	306.8	308.2	318.6	321.3	321.7	325.9	317.9	312.7	313.6	314.2	314.2
32,5°	296.6	303.4	310.5	316.2	324.8	328.0	325.1	324.3	321.7	320.6	319.3	318.8	318.9
35,0°	293.7	307.9	314.0	322.5	330.7	330.2	333.2	331.9	324.2	323.3	323.9	327.2	329.1
37,5°	303.1	313.9	324.1	334.6	336.2	339.9	336.6	332.6	330.2	336.0	331.7	335.5	336.0
40,0°	308.1	323.2	333.3	337.1	341.8	344.1	345.3	335.2	345.8	340.1	337.1	341.4	336.8
42,5°	310.4	331.9	338.8	346.6	352.2	343.4	360.7	346.8	357.8	348.2	345.1	344.2	337.4
45,0°	314.3	336.1	345.1	351.3	352.5	350.5	355.5	355.4	363.9	365.9	352.7	349.6	341.3
47,5°	314.4	339.7	350.1	358.2	355.5	358.5	354.9	364.8	369.6	371.3	360.1	351.7	330.9
50,0°	313.6	338.4	355.7	357.1	362.9	365.7	359.9	376.6	390.1	379.0	360.1	337.0	305.4
52,5°	310.1	339.8	351.2	364.1	368.6	376.4	380.3	400.7	411.0	378.8	346.4	308.8	268.0
55,0°	309.7	336.3	357.1	363.3	377.6	395.3	407.2	415.4	395.9	359.4	318.0	267.3	223.8
57,5°	310.0	338.2	361.6	380.5	390.8	408.7	436.4	415.4	373.0	331.3	278.8	218.4	176.1
60,0°	313.9	356.4	381.1	402.5	421.8	447.8	434.4	387.7	349.1	287.7	221.2	169.0	149.6
62,5°	324.3	374.3	410.6	432.6	463.2	465.3	416.3	360.4	308.4	234.2	182.3	158.2	147.0
65,0°	330.8	392.8	440.0	467.1	483.1	450.2	389.2	326.5	265.4	207.0	179.3	149.5	120.1
67,5°	331.5	403.9	453.0	489.0	470.7	422.7	366.6	305.3	256.5	211.8	158.8	115.9	86.0
70,0°	323.2	394.9	447.7	461.5	422.9	385.2	351.0	344.3	283.9	188.9	118.3	74.2	48.5
72,5°	316.1	359.3	401.7	388.4	373.1	363.3	394.6	409.8	286.0	144.6	69.3	39.5	28.1
75,0°	244.1	257.5	289.2	299.7	316.8	366.8	438.0	374.9	196.5	72.3	32.2	23.3	21.1
77,5°	127.1	147.2	181.9	217.4	238.2	288.7	316.5	219.1	70.5	28.0	20.6	17.9	17.0
80,0°	33.5	53.0	71.3	80.0	84.1	96.1	90.3	66.5	20.1	17.3	16.8	12.6	12.6
82,5°	6.2	9.7	17.5	24.9	29.9	37.4	35.4	17.1	10.8	10.9	11.3	8.2	8.1
85,0°	1.2	1.4	2.0	2.7	3.3	4.8	5.6	4.1	4.1	4.6	5.2	4.0	3.9
87,5°	0.3	0.4	0.5	0.5	0.6	0.7	0.9	1.0	1.1	1.2	1.5	1.2	1.2
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

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Family Streetlight 21 midi easy LED	Order number: 5XE7D37N08NB EAN: 4058352898024	LP number 59078_212
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°	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5
2,5°	271.5	272.2	271.7	270.4	271.3	272.5	277.7	275.7	275.6	274.8	274.5	271.8	269.8
5,0°	268.1	267.6	267.2	266.5	266.4	264.7	276.0	275.8	273.8	271.3	270.7	265.9	261.6
7,5°	270.3	271.6	268.7	269.2	266.8	266.3	278.8	275.9	273.3	272.2	266.5	262.4	258.5
10,0°	279.4	277.9	273.7	272.9	271.2	273.0	280.7	276.5	269.2	264.4	259.9	255.3	249.5
12,5°	278.6	280.8	279.4	279.3	278.5	273.8	288.2	284.0	274.9	264.3	256.9	253.0	246.5
15,0°	285.1	284.0	283.9	287.7	288.0	286.1	289.0	286.8	275.9	263.3	253.3	246.3	239.9
17,5°	290.0	288.1	290.0	288.8	291.7	294.1	287.2	284.3	275.6	258.5	253.6	241.8	228.9
20,0°	293.4	292.3	296.4	290.0	290.0	292.8	293.7	285.3	273.7	258.3	246.8	237.9	222.9
22,5°	298.9	295.2	298.5	293.0	293.5	293.4	291.1	289.6	273.2	253.8	240.0	225.4	215.1
25,0°	303.5	300.9	298.5	297.3	296.1	297.7	289.2	283.4	273.0	251.9	234.0	219.6	206.1
27,5°	304.9	305.2	302.5	301.1	299.3	305.5	291.3	285.0	274.1	248.8	231.4	212.9	194.9
30,0°	312.7	305.3	305.5	302.9	307.6	302.7	288.7	284.3	265.7	245.1	225.0	207.3	188.4
32,5°	319.2	313.3	310.5	312.2	306.2	306.2	283.1	279.6	263.4	240.9	219.4	196.1	184.6
35,0°	323.5	319.3	312.4	309.8	305.1	299.3	286.6	274.8	263.2	233.8	209.8	191.2	183.1
37,5°	329.9	320.0	318.1	311.8	303.1	304.5	285.3	273.8	256.8	228.8	203.4	183.6	178.0
40,0°	326.8	319.2	316.0	314.5	307.7	304.6	283.4	268.2	254.7	221.7	195.2	181.8	177.4
42,5°	328.9	324.7	313.0	313.8	302.9	300.2	281.7	262.2	243.7	213.5	188.7	181.1	170.7
45,0°	329.9	314.5	297.4	287.6	275.9	276.6	282.8	256.2	236.6	207.6	182.1	178.0	160.5
47,5°	308.8	280.5	261.8	246.2	234.1	234.1	281.8	246.6	228.8	198.6	177.3	171.6	143.5
50,0°	269.9	239.9	221.1	206.5	191.4	192.8	272.7	241.8	218.0	191.2	173.4	161.4	125.2
52,5°	227.6	201.2	180.4	164.6	155.8	152.3	269.6	232.4	205.8	183.3	167.5	141.2	105.0
55,0°	184.5	161.5	142.3	135.6	131.5	128.0	268.2	229.8	198.7	172.6	162.6	121.1	89.1
57,5°	150.6	141.1	134.8	129.7	120.0	120.9	267.6	224.3	189.9	170.2	151.9	105.1	75.3
60,0°	141.3	133.7	123.7	113.7	110.2	105.4	266.2	219.0	182.8	168.7	145.2	84.3	62.4
62,5°	128.2	112.1	99.9	90.0	86.2	82.4	261.4	213.3	174.7	160.5	141.7	72.1	56.8
65,0°	99.2	79.4	68.2	59.3	54.4	55.5	258.5	201.1	162.6	150.0	126.5	62.8	50.1
67,5°	61.3	47.3	40.9	38.1	35.3	36.4	247.6	187.6	145.7	130.3	103.1	53.3	43.3
70,0°	35.3	31.8	30.3	27.9	27.8	26.8	240.7	174.2	128.1	108.1	85.0	47.0	35.7
72,5°	25.9	25.3	24.5	22.6	23.1	21.7	230.1	158.9	112.6	89.8	64.6	36.7	31.7
75,0°	20.7	20.5	19.8	18.7	18.3	18.0	194.3	130.2	78.9	63.6	43.0	28.7	26.2
77,5°	16.6	16.2	15.3	14.6	14.3	14.6	118.7	58.0	20.8	29.3	25.7	17.5	17.8
80,0°	11.9	12.1	11.0	10.7	10.4	10.4	32.3	9.7	6.1	12.2	12.9	9.1	9.1
82,5°	8.0	7.6	7.6	7.4	6.9	6.2	5.0	2.7	2.9	3.9	4.1	3.0	1.6
85,0°	3.7	4.1	4.1	3.7	3.3	3.0	1.2	1.0	1.0	0.7	0.6	0.5	0.2
87,5°	1.1	1.3	1.2	1.1	1.0	1.0	0.3	0.2	0.2	0.2	0.1	0.1	0.0
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

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Family Streetlight 21 midi easy LED	Order number: 5XE7D37N08NB EAN: 4058352898024	LP number 59078_212
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°	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	0.4	0.4
2,5°	268.5	268.9	268.2	267.9	268.1	267.2	267.4	267.3	267.8	267.2	267.4	3.2	3.7
5,0°	258.3	254.5	252.2	250.1	250.6	249.2	250.4	252.1	254.6	253.9	255.1	6.3	10.0
7,5°	253.2	249.6	246.9	243.4	241.8	240.1	238.5	238.0	237.2	236.5	235.9	9.4	19.4
10,0°	246.6	241.3	236.8	232.4	231.2	227.8	225.6	222.2	220.8	221.0	221.4	12.4	31.8
12,5°	242.7	233.6	227.3	222.1	217.3	215.3	212.9	212.5	209.4	207.8	209.0	15.4	47.2
15,0°	233.0	224.6	215.3	210.9	206.2	200.4	196.3	196.0	195.2	190.0	189.7	18.4	65.6
17,5°	223.4	215.6	205.0	198.1	192.0	188.0	182.3	180.3	179.7	177.1	177.0	21.1	86.7
20,0°	214.7	202.7	194.1	186.2	181.6	179.9	175.0	171.4	172.3	169.2	166.4	23.9	110.6
22,5°	204.1	193.6	184.4	178.0	171.6	170.7	170.7	168.1	164.5	164.2	163.2	26.7	137.3
25,0°	189.5	182.2	178.9	173.9	167.7	164.7	164.2	162.4	163.3	162.0	159.6	29.4	166.7
27,5°	186.1	181.6	171.6	167.3	164.1	158.7	157.7	154.0	150.5	149.0	147.0	32.0	198.7
30,0°	181.3	178.3	168.4	164.0	159.7	154.5	144.9	141.4	133.3	128.4	127.6	34.5	233.3
32,5°	177.7	168.8	163.3	159.4	151.2	146.4	135.1	123.5	114.9	107.7	107.0	36.9	270.1
35,0°	178.3	165.2	156.5	148.1	142.4	131.6	119.3	106.1	96.7	90.9	87.8	39.0	309.1
37,5°	171.2	159.1	148.6	141.6	129.9	113.6	100.4	89.5	80.3	75.0	73.4	41.2	350.3
40,0°	161.1	148.6	139.0	131.3	114.8	96.2	81.8	73.1	68.4	65.6	64.8	43.1	393.4
42,5°	151.2	140.3	126.0	117.4	100.5	81.3	70.4	66.6	62.3	61.2	60.6	45.0	438.4
45,0°	137.4	125.8	116.7	102.3	84.9	69.6	62.1	58.5	57.5	58.4	58.8	46.2	484.6
47,5°	122.6	111.6	104.9	87.4	70.5	62.3	56.9	55.3	55.3	54.1	55.2	46.5	531.1
50,0°	105.9	101.5	94.5	74.3	62.2	56.1	53.6	51.7	51.0	50.8	49.9	46.3	577.4
52,5°	92.1	89.6	74.0	62.8	54.7	52.6	50.1	48.1	46.4	46.3	45.2	45.6	623.0
55,0°	80.1	75.2	59.7	53.1	49.2	47.3	46.2	43.5	42.4	41.7	40.8	44.6	667.6
57,5°	72.2	65.6	52.2	46.3	45.2	44.5	42.2	40.0	38.3	37.8	37.8	43.9	711.6
60,0°	64.9	53.5	45.3	42.3	42.0	42.0	39.0	37.8	35.5	34.7	35.5	43.4	755.0
62,5°	58.2	46.5	40.2	38.0	38.7	38.9	37.6	35.3	31.6	31.2	30.9	42.7	797.7
65,0°	48.5	38.6	35.4	35.0	33.2	33.2	32.2	30.1	27.6	26.1	25.9	41.1	838.8
67,5°	40.0	33.3	30.7	28.8	28.4	27.4	25.8	22.4	19.4	17.8	17.3	38.7	877.5
70,0°	33.9	28.1	26.6	25.0	23.5	19.0	16.2	11.9	9.1	7.5	6.5	36.0	913.6
72,5°	26.8	22.8	22.0	19.8	14.7	10.1	6.8	4.3	3.5	3.1	3.2	33.2	946.7
75,0°	21.1	16.5	14.5	11.7	7.0	3.9	2.7	1.7	1.5	1.6	1.9	27.1	973.8
77,5°	13.6	9.9	6.4	3.8	2.2	1.3	1.2	0.7	0.6	0.8	1.1	17.1	991.0
80,0°	5.6	2.8	1.3	0.3	0.4	0.2	0.2	0.3	0.2	0.3	0.5	6.1	997.1
82,5°	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	2.2	999.3
85,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	999.9
87,5°	0.0	0.0	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

Photometric test report

Family Streetlight 21 midi easy LED	Order number: 5XE7D37N08NB EAN: 4058352898024	LP number 59078_212
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Dimming levels table		environmental temperature: 25°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	22700	151.2	156.8	154.0	
95	239	252	21594	142.3	147.4	144.9	
90	224	249	20452	133.3	138.2	135.8	
85	209	247	19286	124.5	128.9	126.7	
80	195	244	18166	116.2	120.3	118.2	
75	181	242	17017	107.9	111.7	109.8	
70	168	239	15932	100.4	103.8	102.1	
65	154	236	14747	92.2	95.5	93.8	
60	141	232	13623	84.7	87.6	86.2	
55	128	229	12482	77.3	79.9	78.6	
50	115	225	11317	69.9	72.1	71.0	
45	103	221	10225	63.0	65.1	64.0	
40	91	216	9112	56.1	58.0	57.0	
35	79	211	7985	49.3	50.9	50.1	
30	67	205	6841	42.5	43.9	43.2	
25	55	198	5677	35.7	36.8	36.2	
20	43	189	4500	29.0	29.9	29.4	
15	32	178	3403	22.8	23.4	23.1	
12	25	169	2700	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] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average	
100	254	254	23480	153.0	158.6	155.8	
95	239	252	22296	143.9	149.1	146.5	
90	225	250	21163	135.6	140.4	138.0	
85	210	247	19930	126.5	131.1	128.8	
80	196	245	18752	118.2	122.4	120.3	
75	183	242	17635	110.5	114.4	112.4	
70	169	239	16418	102.3	105.8	104.0	
65	156	236	15273	94.6	97.9	96.2	
60	143	233	14107	87.0	90.0	88.5	
55	130	229	12927	79.5	82.2	80.8	
50	117	226	11727	71.9	74.4	73.2	
45	105	222	10604	65.0	67.2	66.1	
40	92	217	9368	57.5	59.4	58.4	
35	80	212	8214	50.6	52.2	51.4	
30	68	206	7046	43.7	45.1	44.4	
25	56	199	5859	36.8	38.0	37.4	
20	44	190	4662	30.0	30.9	30.4	
15	33	179	3549	23.7	24.4	24.0	
12	25	169	2734	19.3	19.8	19.6	

Photometric test report

Family Streetlight 21 midi easy LED	Order number: 5XE7D37N08NB EAN: 4058352898024	LP number 59078_212
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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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	23120	152.1	157.7	154.9
95	239	252	21973	143.1	148.2	145.6
90	224	249	20792	134.0	139.0	136.5
85	210	247	19671	125.7	130.3	128.0
80	196	245	18522	117.5	121.7	119.6
75	182	242	17344	109.2	113.0	111.1
70	168	239	16150	101.0	104.5	102.8
65	155	236	15025	93.4	96.7	95.1
60	142	233	13879	85.8	88.8	87.3
55	129	229	12717	78.4	81.1	79.8
50	116	225	11532	70.8	73.2	72.0
45	104	221	10424	64.0	66.2	65.1
40	91	216	9201	56.5	58.4	57.4
35	79	211	8059	49.6	51.2	50.4
30	67	205	6901	42.8	44.2	43.5
25	56	199	5822	36.5	37.7	37.1
20	44	190	4634	29.8	30.6	30.2
15	32	178	3429	23.0	23.6	23.3
12	25	169	2720	19.1	19.7	19.4

Photometric test report

Family Streetlight 21 midi easy LED	Order number: 5XE7D37N08NB EAN: 4058352898024	LP number 59078_212
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Luminousfluxs table



Temperature °C	Luminous flux lm	Power consumption W
25.0	22700.0	151.2
5.0	23480.0	153.0
15.0	23120.0	152.1