

Photometric test report

Family
Streetlight 21 midi easy LED

Order number: 5XE7C33A08NB
EAN: 4058352730942

LP number
59082_132



Version post-top or side-entry mounting
Optic asymmetric, wide distribution (ST0.8a G)
Cover toughened safety glass
Lamps LED 3000 K | CRI ≥ 70
Controlgear ECG DIM
Rated values Net luminous flux = 22700 lm
 Power consumption = 151.2 W
 Luminous efficacy = 150.1 lm/W

serial
documentation
23.08.2022

sITeco

Luminous intensity in cd/klm

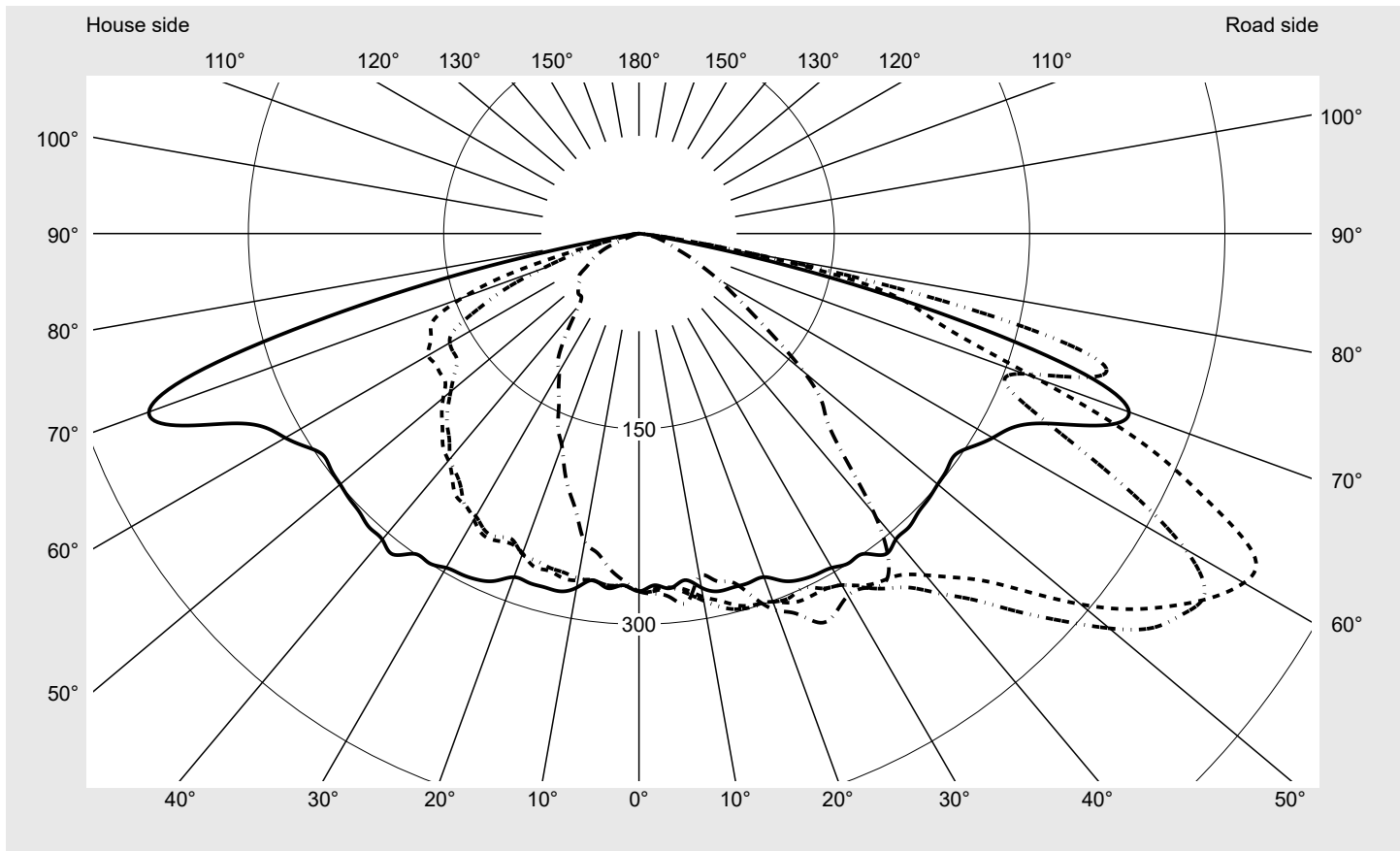
C180-0

C195-15

C200-20

C270-90

Imax: 536 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°	493.9
Imax 80°	97.8
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

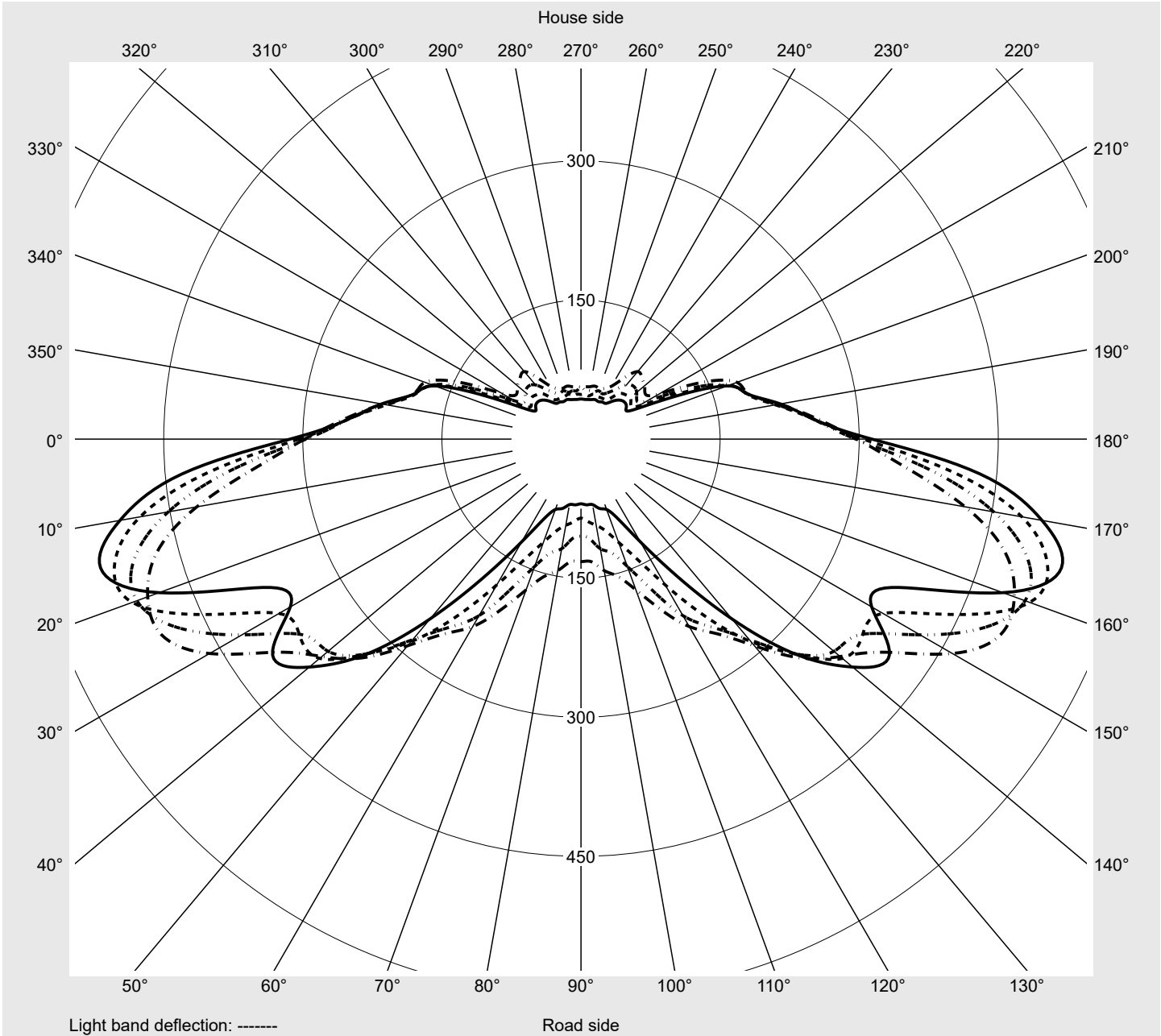
Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm **KMK 60°** **KMK 57.5°** **KMK 55°** **KMK 52.5°** **siteco**



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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°	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7
2,5°	270.3	270.4	271.5	273.2	274.7	274.7	274.1	274.2	274.4	274.0	277.0	277.1	276.6
5,0°	273.4	274.3	273.6	272.7	273.3	272.3	273.5	276.6	278.8	280.3	282.6	283.8	283.6
7,5°	268.4	272.0	274.5	275.9	278.4	281.1	280.9	281.1	283.3	281.4	281.4	282.2	283.4
10,0°	276.1	275.9	278.7	283.3	286.3	286.9	286.0	284.7	284.2	281.9	279.6	277.1	277.3
12,5°	281.3	282.2	283.7	288.9	293.9	293.8	293.7	291.9	286.3	284.1	279.7	275.7	274.4
15,0°	281.1	288.0	292.4	295.7	298.6	296.0	289.7	288.1	284.8	282.9	277.7	276.9	276.0
17,5°	281.1	290.6	297.2	298.7	299.8	298.7	288.5	285.6	284.8	283.6	284.4	283.4	282.6
20,0°	280.7	292.1	296.6	300.8	301.1	293.8	288.4	289.1	289.4	289.7	292.3	294.8	294.6
22,5°	288.7	295.6	305.2	306.8	302.6	291.6	294.7	298.4	296.3	302.0	304.4	307.3	310.9
25,0°	293.3	302.1	310.2	308.2	300.0	304.4	300.3	306.0	314.5	315.8	322.6	327.6	328.1
27,5°	295.1	304.0	315.6	308.2	307.2	309.0	311.5	316.2	322.4	331.3	341.0	342.3	347.8
30,0°	296.3	310.5	318.6	311.7	311.7	317.3	321.0	328.4	335.1	348.1	357.8	362.2	361.1
32,5°	300.0	316.4	321.2	320.4	322.3	332.0	333.6	347.0	358.3	367.3	373.3	381.7	372.6
35,0°	300.3	319.7	321.7	325.6	332.6	343.0	357.1	367.9	377.8	390.3	388.6	387.7	369.4
37,5°	310.5	323.4	327.5	330.5	342.7	360.8	372.5	392.7	414.1	412.2	402.6	386.6	372.5
40,0°	306.7	330.8	334.6	342.4	361.1	375.6	400.5	408.6	435.7	427.5	406.4	389.1	370.1
42,5°	306.3	335.9	340.9	358.1	381.7	400.9	421.0	435.6	445.3	435.6	399.0	382.7	355.5
45,0°	303.2	331.0	352.9	377.7	410.2	434.3	445.3	455.7	442.6	423.9	389.8	341.8	303.3
47,5°	301.6	336.5	377.0	408.1	440.1	460.6	469.6	457.4	422.0	387.5	349.8	300.0	258.6
50,0°	299.6	347.6	392.2	442.9	471.5	482.6	470.8	441.6	392.0	354.8	309.2	269.5	243.1
52,5°	298.1	351.8	420.7	473.8	497.3	499.2	462.5	400.7	364.8	333.6	290.9	256.4	233.4
55,0°	296.4	377.3	452.0	498.7	509.7	480.6	422.2	367.6	356.1	327.6	282.3	247.9	219.8
57,5°	304.1	401.5	482.8	520.7	515.0	447.7	376.1	370.2	367.9	327.8	285.1	233.0	181.5
60,0°	313.7	432.1	504.8	536.4	484.2	378.6	362.0	406.0	382.5	328.5	253.1	180.4	127.9
62,5°	323.0	454.5	522.9	531.9	420.3	344.5	406.4	437.2	400.9	298.6	180.8	103.7	72.0
65,0°	344.9	474.6	534.2	478.7	349.3	355.5	461.5	463.3	369.4	197.1	86.0	60.4	50.6
67,5°	384.9	502.1	523.3	416.2	305.9	418.2	501.2	453.1	243.9	95.6	57.8	47.3	41.7
70,0°	400.5	466.7	464.5	324.8	314.9	493.9	484.0	328.4	125.6	60.9	45.2	38.8	34.8
72,5°	358.5	358.7	351.8	254.6	365.9	485.2	394.2	184.1	76.3	45.4	33.5	30.2	27.1
75,0°	248.8	218.0	225.7	220.3	356.9	392.4	267.8	98.5	34.6	31.5	29.4	24.9	21.7
77,5°	130.6	113.0	145.7	175.3	240.1	233.3	127.5	42.6	21.2	23.4	23.0	16.7	15.6
80,0°	34.5	28.3	60.6	84.1	88.8	97.8	40.6	17.8	14.2	16.4	14.0	11.1	11.6
82,5°	7.5	5.6	9.8	16.6	21.5	20.4	10.9	7.9	8.8	8.6	8.9	5.8	7.0
85,0°	1.1	1.2	1.1	1.3	1.4	1.9	2.3	2.1	2.2	2.7	3.5	2.8	2.3
87,5°	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.6	0.5
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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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°	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7
2,5°	277.3	277.3	277.6	276.6	277.0	276.8	270.8	271.1	270.4	270.8	270.2	268.3	267.7
5,0°	281.9	281.9	278.2	280.1	281.1	280.6	273.6	273.0	271.7	271.1	269.1	268.2	265.4
7,5°	283.5	282.9	281.4	281.0	282.1	285.4	268.8	268.8	268.5	268.8	266.7	267.0	264.4
10,0°	279.2	274.9	270.8	268.5	269.2	267.3	274.9	272.6	270.4	268.7	265.5	260.5	259.1
12,5°	272.1	272.1	273.6	269.2	269.2	273.1	277.7	274.5	270.9	266.6	261.3	260.1	257.8
15,0°	276.2	274.6	273.2	280.0	279.6	277.2	274.9	270.0	268.0	265.6	261.1	253.1	248.9
17,5°	285.8	287.0	285.3	286.6	289.2	292.9	272.7	272.3	268.1	263.3	259.7	253.3	247.5
20,0°	299.1	299.4	301.3	300.1	304.9	307.8	276.8	266.0	261.2	262.0	255.9	246.8	236.8
22,5°	313.3	316.0	319.4	316.6	317.2	315.9	280.7	268.4	257.6	254.4	250.0	238.1	227.3
25,0°	332.9	331.7	329.1	327.2	327.4	329.8	278.2	269.4	260.1	257.0	246.4	228.9	216.0
27,5°	347.9	343.4	339.0	334.3	330.1	327.7	279.9	264.3	260.3	256.8	239.8	225.1	209.4
30,0°	360.9	348.0	335.3	330.2	324.7	321.0	279.0	262.4	253.7	250.7	238.4	217.0	198.0
32,5°	362.6	347.1	334.4	330.4	326.1	322.8	284.1	262.1	247.8	248.2	226.8	210.6	193.3
35,0°	356.8	346.6	334.7	336.8	328.1	328.1	280.8	258.0	245.4	238.4	219.8	203.2	186.8
37,5°	357.5	341.5	333.2	324.9	314.7	314.6	279.2	255.9	235.7	231.4	214.7	193.6	178.6
40,0°	343.5	323.7	301.8	292.7	285.0	281.8	278.8	246.9	227.6	225.6	204.9	186.4	162.2
42,5°	311.3	283.7	259.6	245.5	240.5	235.1	275.8	245.2	222.6	215.5	197.8	175.8	147.6
45,0°	263.6	240.0	225.9	210.9	205.5	204.7	269.5	235.2	213.4	208.3	188.9	160.6	131.2
47,5°	233.5	212.2	205.2	196.9	185.3	190.2	264.3	230.8	205.4	199.3	173.8	140.3	115.6
50,0°	214.5	200.5	186.8	176.0	167.7	165.6	259.0	220.9	196.2	188.8	159.4	120.1	101.4
52,5°	202.4	173.0	153.3	144.0	132.9	132.1	254.9	217.3	187.5	179.0	145.3	98.1	84.8
55,0°	178.1	146.2	127.0	120.0	107.8	104.8	250.8	214.4	186.5	170.5	129.2	82.5	73.4
57,5°	142.5	118.4	102.4	94.4	89.3	85.3	251.0	212.9	185.8	169.2	115.7	71.1	65.4
60,0°	95.2	80.8	77.5	71.8	71.2	69.8	251.1	218.4	187.0	167.7	103.8	61.3	59.6
62,5°	58.0	54.8	52.2	54.7	53.3	54.6	253.1	214.1	180.6	159.5	93.9	56.2	53.4
65,0°	44.4	44.5	46.9	43.2	43.6	44.1	259.8	218.3	176.5	135.3	87.7	51.0	49.2
67,5°	38.9	35.1	35.0	34.1	33.4	32.4	277.4	228.7	169.2	111.0	72.7	44.8	40.8
70,0°	31.2	27.0	26.8	26.1	26.1	26.6	284.4	224.8	144.3	80.0	58.1	39.0	36.7
72,5°	24.4	22.5	22.5	20.4	21.1	21.5	265.5	198.7	107.9	53.5	43.1	34.7	32.8
75,0°	18.8	17.1	17.9	17.0	16.6	16.3	204.9	133.2	50.6	34.4	32.4	29.0	26.8
77,5°	14.7	13.5	12.8	12.5	12.8	12.8	119.2	54.2	11.6	23.6	21.2	18.0	18.4
80,0°	10.6	10.1	9.1	8.6	8.6	8.1	33.5	11.1	7.6	13.9	11.9	10.5	10.2
82,5°	7.3	6.2	6.1	5.6	4.9	5.4	5.5	2.7	2.8	3.8	4.3	3.5	2.3
85,0°	3.5	3.6	2.8	2.5	2.0	2.1	1.1	1.0	0.9	0.9	0.8	0.7	0.4
87,5°	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.2	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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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°	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	0.4	0.4
2,5°	266.9	268.1	268.2	268.7	268.5	267.1	267.0	267.7	267.4	266.6	267.0	3.3	3.7
5,0°	263.6	262.9	262.0	260.1	259.5	259.0	256.6	256.8	259.2	257.8	258.3	6.5	10.1
7,5°	260.8	257.0	250.7	249.7	247.6	246.8	246.7	245.8	245.3	247.7	247.1	9.6	19.8
10,0°	252.8	249.3	247.8	246.7	248.4	244.5	243.4	240.2	241.8	240.9	240.4	12.7	32.4
12,5°	253.4	252.4	245.5	238.4	237.7	235.4	233.8	229.5	224.3	224.0	220.7	15.7	48.2
15,0°	244.8	237.8	231.9	225.9	220.6	215.3	208.8	208.3	207.9	205.7	205.7	18.5	66.7
17,5°	234.5	223.9	215.9	208.8	204.9	202.3	197.0	195.4	195.9	193.7	190.2	21.4	88.1
20,0°	225.2	218.0	205.4	199.6	193.3	189.7	186.4	179.5	178.4	175.2	173.3	24.2	112.4
22,5°	216.7	204.6	199.4	191.6	182.0	178.9	173.7	168.4	165.9	162.8	162.3	27.2	139.6
25,0°	204.9	195.2	187.0	178.8	174.1	164.7	158.3	153.2	148.3	147.1	145.5	30.2	169.8
27,5°	196.3	186.4	178.9	166.9	161.7	149.4	143.4	139.0	134.8	135.6	133.7	33.1	202.9
30,0°	190.9	177.5	163.1	156.2	146.5	137.9	134.3	127.6	124.1	121.6	122.6	35.7	238.6
32,5°	181.0	165.6	154.2	144.9	134.1	130.0	128.2	124.1	121.8	116.9	115.9	38.6	277.2
35,0°	167.7	157.4	146.1	134.8	131.4	126.8	124.8	120.5	110.3	104.9	101.4	41.3	318.5
37,5°	156.7	145.7	133.9	129.2	129.2	125.7	115.5	103.4	94.2	86.0	85.0	43.7	362.2
40,0°	146.9	134.3	126.9	126.3	125.9	115.4	98.8	88.6	77.3	72.8	71.3	45.3	407.5
42,5°	136.5	122.6	122.7	123.6	114.3	99.3	84.3	75.2	69.8	69.3	65.6	46.2	453.8
45,0°	120.9	117.7	119.9	119.0	104.2	85.2	72.0	67.4	65.3	64.5	65.6	46.5	500.3
47,5°	109.1	110.0	113.2	107.7	88.8	73.6	66.8	64.8	64.8	63.5	63.4	46.7	547.0
50,0°	97.5	101.6	105.2	92.5	74.5	65.6	61.9	61.6	59.1	61.3	61.0	46.7	593.7
52,5°	89.6	92.9	95.0	80.0	65.9	60.3	58.1	59.1	57.5	56.6	56.1	46.3	640.0
55,0°	78.3	80.4	76.2	65.5	57.9	54.0	55.5	52.2	52.9	52.4	56.0	45.7	685.7
57,5°	69.5	67.7	63.9	52.8	49.8	49.5	49.4	50.2	47.3	48.6	48.1	45.3	730.9
60,0°	61.6	59.4	53.6	47.0	46.1	44.6	45.2	44.1	43.4	43.0	43.3	44.1	775.0
62,5°	55.6	50.3	44.1	41.3	40.6	40.9	40.9	39.6	40.9	39.1	37.9	42.3	817.3
65,0°	46.5	42.0	38.0	35.8	35.8	36.1	35.5	33.9	31.7	32.0	31.7	40.2	857.5
67,5°	39.5	36.1	31.5	29.7	29.9	29.1	27.9	25.5	23.3	22.3	22.6	38.2	895.8
70,0°	34.2	29.3	27.2	25.7	24.5	22.3	19.1	14.7	12.3	10.1	9.4	34.5	930.3
72,5°	27.0	24.4	22.8	20.1	17.7	12.1	9.4	6.3	4.4	4.3	4.3	28.9	959.1
75,0°	21.4	18.1	16.5	13.1	8.9	5.4	3.9	2.7	2.0	1.9	2.4	21.1	980.3
77,5°	15.3	10.9	8.3	5.4	3.5	2.1	1.3	1.0	0.9	1.0	1.4	12.6	992.9
80,0°	7.1	3.9	2.2	1.4	0.8	0.5	0.4	0.4	0.3	0.4	0.4	5.2	998.0
82,5°	1.4	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	1.5	999.6
85,0°	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	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: 5XE7C33A08NB EAN: 4058352730942	LP number 59082_132
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Dimming levels table	environmental temperature: 25°C	siteco
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Luminous flux %	Output ECG [%]	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	100	22700	151.2	156.8	154.0
95	94	21576	142.1	147.2	144.6
90	88	20415	133.1	137.9	135.5
85	82	19230	124.1	128.5	126.3
80	77	18213	116.5	120.7	118.6
75	71	16962	107.5	111.3	109.4
70	66	15902	100.2	103.6	101.9
65	61	14828	92.7	96.1	94.4
60	55	13510	83.9	86.8	85.4
55	50	12393	76.7	79.3	78.0
50	45	11254	69.5	71.7	70.6
46	41	10329	63.6	65.8	64.7
40	36	9153	56.4	58.2	57.3
35	31	7960	49.1	50.7	49.9
30	26	6747	41.9	43.3	42.6
25	22	5762	36.2	37.3	36.8
20	17	4518	29.1	30.0	29.6
15	13	3505	23.4	24.0	23.7
12	10	2741	19.2	19.7	19.4

Dimming levels table	environmental temperature: 5°C
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Luminous flux %	Output ECG [%]	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	100	23480	153.0	158.6	155.8
95	94	22277	143.8	148.9	146.4
90	88	21042	134.7	139.5	137.1
85	83	19998	127.0	131.6	129.3
80	77	18716	117.9	122.1	120.0
75	72	17624	110.4	114.3	112.4
70	67	16521	103.0	106.6	104.8
65	61	15179	94.0	97.3	95.6
60	56	14038	86.6	89.5	88.0
55	51	12885	79.2	81.9	80.6
50	46	11712	71.8	74.3	73.0
45	41	10523	64.5	66.7	65.6
40	36	9314	57.2	59.1	58.2
36	32	8338	51.3	53.0	52.2
30	27	7103	44.1	45.5	44.8
25	22	5848	36.8	37.9	37.3
20	17	4580	29.5	30.4	30.0
15	13	3551	23.8	24.4	24.1
12	10	2775	19.5	20.0	19.8

Photometric test report

Family Streetlight 21 midi easy LED	Order number: 5XE7C33A08NB EAN: 4058352730942	LP number 59082_132
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Dimming levels table	environmental temperature: 15°C	sITeco
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Luminous flux %	Output ECG [%]	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	100	23120	152.1	157.7	154.9
95	94	21954	142.9	148.0	145.4
90	88	20754	133.8	138.7	136.2
85	83	19737	126.2	130.8	128.5
80	77	18487	117.2	121.4	119.3
75	72	17418	109.7	113.6	111.6
70	66	16119	100.8	104.3	102.6
65	61	15020	93.3	96.7	95.0
60	56	13900	86.0	88.9	87.4
55	51	12765	78.7	81.4	80.1
50	46	11609	71.3	73.8	72.6
45	41	10437	64.1	66.2	65.2
40	36	9243	56.8	58.6	57.7
35	31	8034	49.5	51.0	50.2
31	27	7055	43.7	45.1	44.4
25	22	5810	36.5	37.6	37.0
20	17	4553	29.3	30.2	29.8
15	13	3532	23.6	24.2	23.9
12	10	2760	19.4	19.9	19.6

Photometric test report

Family Streetlight 21 midi easy LED	Order number: 5XE7C33A08NB EAN: 4058352730942	LP number 59082_132
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Luminousfluxs table **siteco**

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