
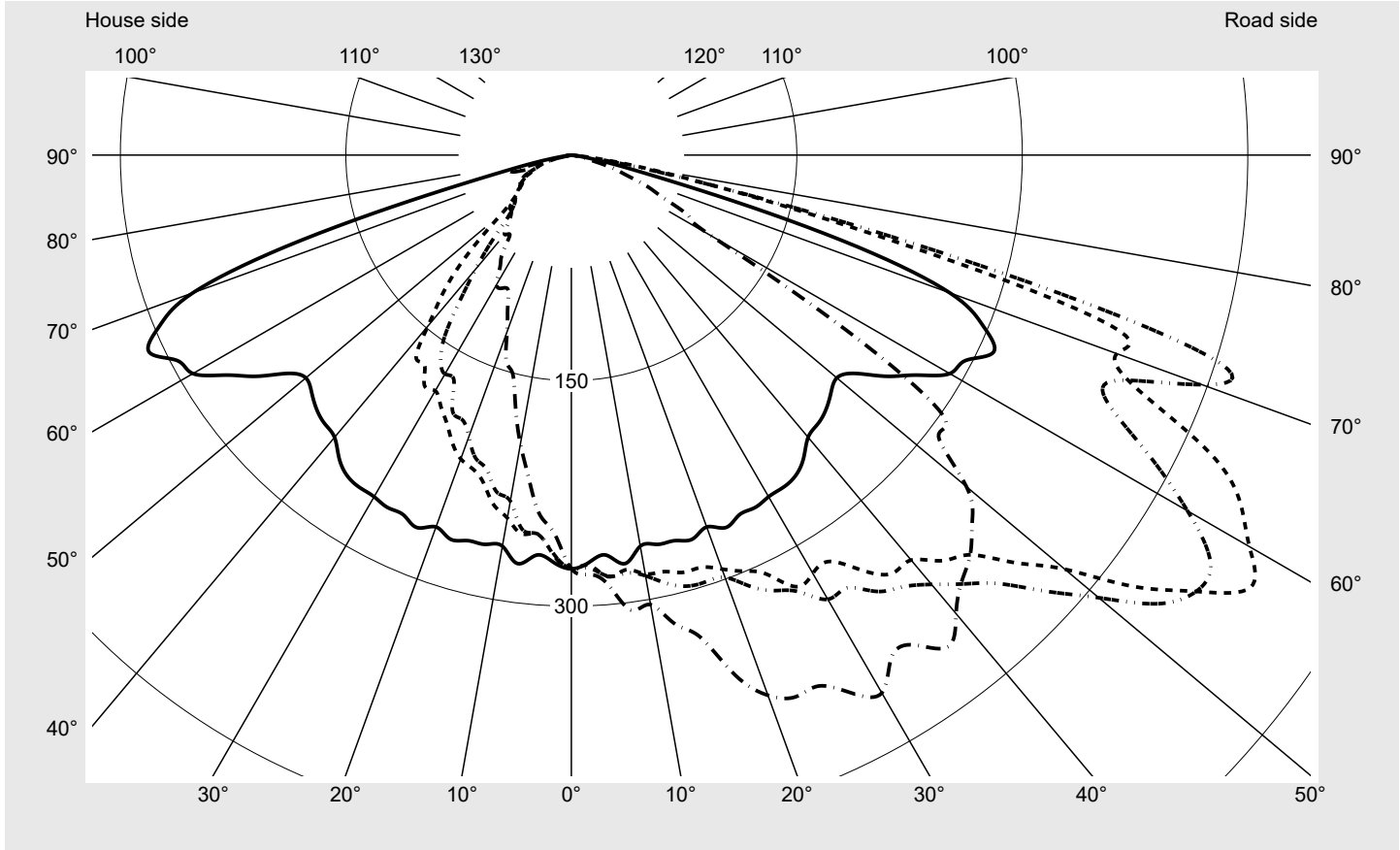


Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3E41G08NB EAN: 4058352728772	LP number 59079_90
	Version post-top or side-entry mounting Optic asymmetric, wide distribution (STW1.0a G) Cover toughened safety glass Lamps LED 4000 K CRI ≥ 70 Controlgear ECG SITECO iQ Rated values Net luminous flux = 24250 lm Power consumption = 155.5 W Luminous efficacy = 155.9 lm/W	serial documentation 23.08.2022



Luminous intensity in cd/klm C180-0 C200-20 C205-25 C270-90 **Imax: 535 cd/klm**



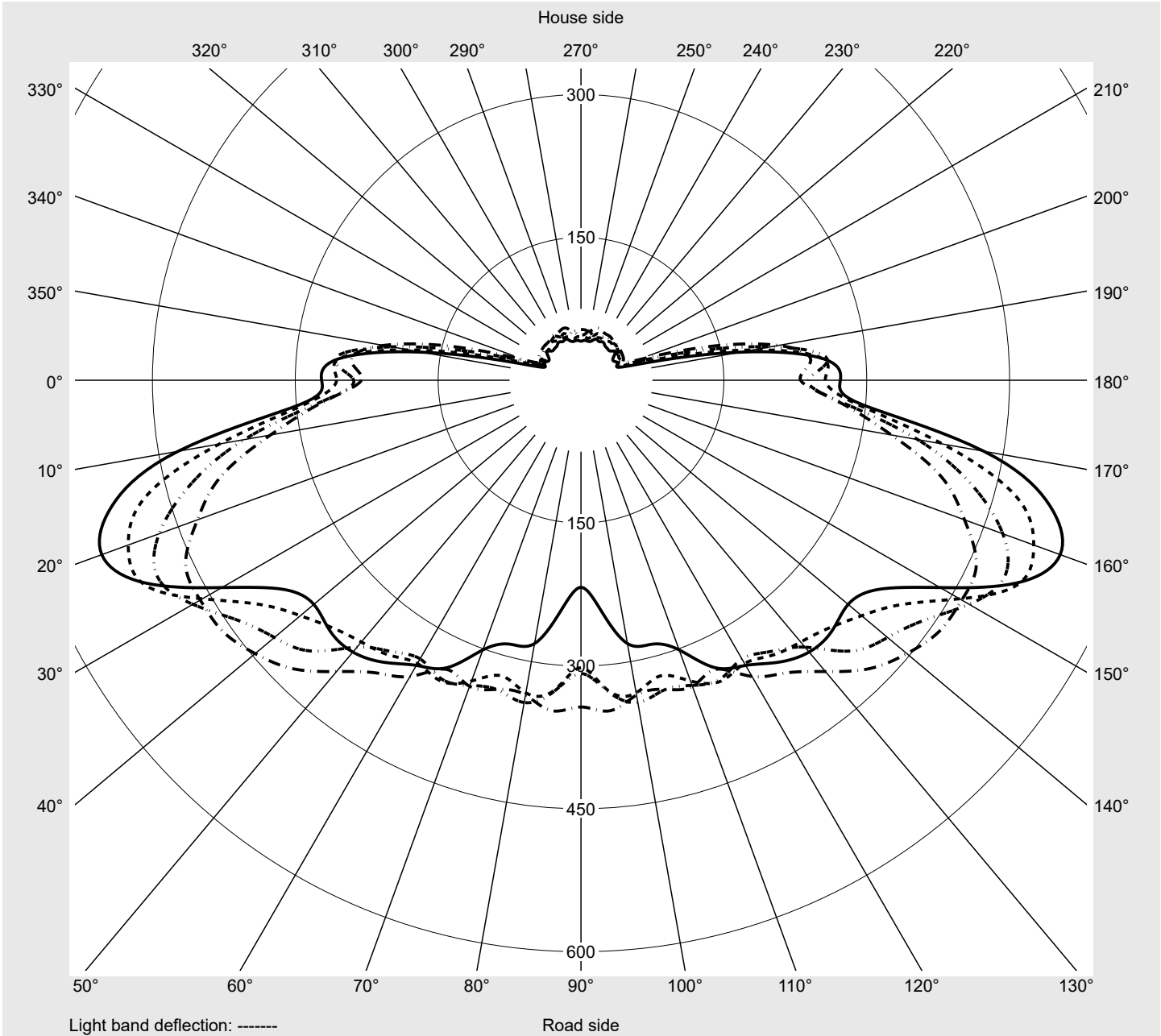
Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%
Measurement conditions	
DIN EN 13032 and DIN 5032	

Luminous intensity class acc. to EN13201-2	
Class:	G4
Imax 70°	486.3
Imax 80°	49.2
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3E41G08NB EAN: 4058352728772	LP number 59079_90
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Envelope curve in cd/klm **KMK 57.5°** **KMK 55°** **KMK 52.5°** **KMK 50°** **siteco**



Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3E41G08NB EAN: 4058352728772	LP number 59079_90
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°	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2
2,5°	271.1	272.6	274.2	272.4	273.1	275.0	271.7	272.5	277.2	276.0	276.0	276.0	273.8
5,0°	267.1	272.9	275.2	280.1	281.5	281.2	280.8	282.7	283.1	284.1	282.6	285.7	289.7
7,5°	274.1	279.0	277.5	278.4	278.2	280.5	282.2	280.1	280.7	279.4	280.1	282.2	287.0
10,0°	264.1	267.7	274.1	281.5	282.9	284.1	284.6	289.0	288.4	289.8	289.4	296.1	298.5
12,5°	265.2	273.1	281.9	286.0	283.8	291.7	297.8	297.4	299.9	302.2	305.4	304.8	305.6
15,0°	265.5	268.6	273.1	278.4	287.3	296.8	296.7	300.7	302.2	302.6	306.1	317.4	327.7
17,5°	267.8	273.0	278.7	286.4	287.5	297.6	312.8	307.7	310.5	319.9	331.7	332.0	337.4
20,0°	263.2	276.0	283.2	285.6	293.0	298.9	314.1	316.9	322.0	337.8	350.9	349.4	357.5
22,5°	268.2	277.3	286.1	293.7	299.5	310.4	324.4	326.9	342.4	343.6	356.1	369.0	375.1
25,0°	264.1	279.2	290.5	304.6	307.6	319.6	332.9	339.3	354.0	370.6	376.6	388.5	394.7
27,5°	264.4	278.9	292.5	301.1	323.7	327.4	350.6	352.7	365.4	382.4	390.1	396.0	398.1
30,0°	262.4	282.1	299.4	304.0	321.3	341.2	351.9	364.5	376.7	390.8	402.8	403.1	399.6
32,5°	262.1	278.2	296.7	315.0	320.5	341.4	361.3	372.4	390.8	396.6	408.5	414.4	410.7
35,0°	260.2	274.8	293.4	320.6	337.1	354.3	370.4	374.9	395.6	416.3	417.7	425.9	434.6
37,5°	253.9	269.5	301.7	327.7	350.7	362.0	373.6	396.8	412.7	434.7	432.1	435.0	433.6
40,0°	245.1	278.1	306.0	330.0	351.7	372.8	391.4	402.6	422.5	443.3	435.7	438.1	439.9
42,5°	242.6	268.1	310.3	337.6	365.9	386.9	401.8	431.6	446.3	442.4	453.9	429.3	424.6
45,0°	239.5	273.8	302.3	342.4	376.0	403.2	431.8	441.1	452.0	463.2	443.3	420.5	405.7
47,5°	234.2	273.4	316.7	354.5	401.5	429.6	443.6	448.8	453.7	445.8	421.4	404.1	379.3
50,0°	230.6	273.9	331.1	391.8	428.6	458.0	461.6	459.4	446.6	428.3	399.3	375.2	359.2
52,5°	238.6	277.2	359.1	425.0	471.4	490.3	470.6	439.6	420.2	402.0	365.9	347.7	337.9
55,0°	256.6	291.5	385.6	473.5	505.9	506.7	459.0	410.7	384.7	368.1	358.8	352.1	343.4
57,5°	272.4	297.3	429.5	509.8	535.5	504.1	435.4	382.6	366.2	372.5	372.6	361.5	345.8
60,0°	290.7	312.9	440.7	516.1	520.9	473.3	391.3	379.2	399.9	420.5	391.2	362.4	336.3
62,5°	295.8	319.6	438.3	511.2	501.8	433.9	373.9	424.8	468.3	466.9	396.4	312.7	244.7
65,0°	310.0	306.1	414.0	482.8	468.6	395.4	406.6	503.6	507.9	477.9	351.8	231.9	136.1
67,5°	296.3	284.8	343.3	418.8	408.3	391.9	456.6	515.0	519.3	406.7	244.9	142.9	85.5
70,0°	267.9	221.9	267.0	347.6	386.2	446.6	482.2	486.3	474.1	299.8	141.0	105.2	59.3
72,5°	188.3	130.0	180.7	283.4	375.3	444.0	418.1	427.9	352.8	173.7	109.3	73.5	42.6
75,0°	79.5	49.5	103.3	171.0	226.3	273.0	234.3	258.1	188.4	90.8	79.5	53.3	28.4
77,5°	32.8	26.1	45.5	68.8	109.2	112.3	72.0	72.0	64.4	51.6	54.2	38.7	20.2
80,0°	12.7	11.2	13.8	29.0	49.2	38.8	18.1	12.1	17.2	27.4	33.2	21.4	13.7
82,5°	3.2	2.9	2.9	5.3	16.4	9.5	4.8	5.8	4.2	4.2	8.1	8.7	8.6
85,0°	1.0	0.7	1.0	1.2	1.0	1.3	1.2	1.3	1.3	1.2	1.1	1.3	1.4
87,5°	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.1	0.2	0.3	0.1	0.1
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 LED	Order number: 5XE3E41G08NB EAN: 4058352728772	LP number 59079_90
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°	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2
2,5°	275.4	276.4	275.8	278.7	278.6	279.2	271.9	270.2	267.9	266.6	265.7	265.4	263.3
5,0°	286.6	286.7	285.9	286.3	284.1	287.4	264.7	262.8	256.2	253.3	253.1	251.8	249.4
7,5°	296.6	297.2	303.1	302.6	302.8	305.2	270.5	262.1	259.5	254.0	251.0	248.1	242.3
10,0°	301.8	296.6	299.1	304.9	306.9	303.6	259.4	258.2	251.7	245.1	233.7	230.0	225.1
12,5°	309.7	314.4	316.9	312.5	316.6	319.6	255.9	247.6	242.0	238.3	229.5	217.0	207.4
15,0°	330.0	333.2	335.6	336.4	331.8	332.1	257.5	245.9	237.1	225.7	216.8	209.9	200.7
17,5°	340.4	350.7	346.9	351.7	356.5	362.7	255.8	243.9	231.9	218.7	211.5	199.8	188.0
20,0°	362.8	363.2	373.1	382.4	380.6	382.4	252.3	241.2	228.1	215.1	199.2	189.6	172.4
22,5°	387.9	383.3	388.4	391.7	392.5	390.0	253.3	235.4	220.1	206.9	190.3	176.2	163.6
25,0°	395.3	398.5	402.1	400.7	402.0	389.6	250.3	227.6	210.8	196.3	187.2	166.5	152.4
27,5°	401.7	407.5	403.6	409.3	400.9	403.3	260.7	230.3	210.7	188.2	169.1	157.2	146.2
30,0°	413.5	413.1	416.0	405.9	412.5	413.1	252.2	228.6	208.9	181.1	168.2	150.9	126.5
32,5°	416.5	415.7	415.4	407.1	400.4	396.3	250.2	222.7	203.8	181.8	161.7	133.9	105.2
35,0°	424.4	420.6	411.8	403.2	413.5	397.8	239.8	214.2	199.1	170.3	146.6	110.2	83.9
37,5°	425.9	417.6	417.5	409.3	406.8	412.1	226.9	213.4	196.8	169.6	121.4	85.3	67.5
40,0°	424.1	425.5	404.9	403.6	392.5	398.2	225.0	212.7	194.7	148.3	99.2	71.0	64.3
42,5°	423.2	393.4	395.9	380.3	376.0	384.5	217.5	213.5	183.3	128.6	79.8	58.6	62.0
45,0°	389.6	380.7	368.6	371.4	374.3	375.4	224.9	214.4	166.7	108.0	62.0	58.1	54.8
47,5°	370.2	345.8	351.5	356.1	365.4	361.7	224.3	217.2	151.3	82.7	53.5	53.3	57.7
50,0°	334.9	342.1	336.0	335.7	348.4	343.1	242.2	210.6	134.8	60.0	49.0	50.8	51.6
52,5°	346.2	341.0	336.8	343.7	328.2	308.0	259.4	202.0	112.3	49.3	46.8	46.3	48.4
55,0°	348.5	336.1	321.4	333.3	327.1	301.8	255.3	183.3	89.9	43.5	43.5	43.4	45.5
57,5°	333.1	301.4	287.0	280.8	243.0	217.5	256.1	169.8	70.2	40.4	42.6	39.9	41.4
60,0°	279.1	240.3	177.8	140.7	115.6	108.0	237.5	150.4	54.0	37.7	41.5	39.6	41.3
62,5°	178.1	124.1	98.0	100.8	85.8	88.1	239.1	140.0	43.7	36.8	36.2	37.1	37.9
65,0°	99.1	83.2	78.4	82.9	69.1	68.0	241.7	135.3	46.2	32.9	35.4	35.4	34.2
67,5°	67.6	65.4	58.0	59.1	52.8	55.0	240.2	129.6	40.5	27.7	30.8	32.7	30.2
70,0°	54.9	49.1	44.3	41.8	38.6	38.8	219.4	108.6	29.5	25.1	24.9	26.1	25.9
72,5°	37.5	35.8	30.6	29.5	27.8	29.1	182.7	84.2	24.7	21.6	21.1	20.7	20.3
75,0°	27.1	24.4	19.7	18.6	15.6	14.7	95.9	46.9	22.2	15.0	16.2	15.3	14.5
77,5°	16.0	13.2	12.0	10.3	11.8	9.8	39.9	12.4	10.7	9.4	9.8	10.7	10.3
80,0°	9.9	6.2	5.3	5.1	4.8	4.8	13.7	6.5	4.8	4.8	4.6	5.9	6.2
82,5°	3.9	2.2	1.7	1.8	1.9	1.6	2.3	2.3	2.4	2.4	2.2	2.5	3.4
85,0°	0.8	0.3	0.5	0.4	0.5	0.7	1.0	0.7	0.8	0.7	0.7	0.8	0.6
87,5°	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
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 LED	Order number: 5XE3E41G08NB EAN: 4058352728772	LP number 59079_90
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°	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	0.4	0.4
2,5°	260.8	259.8	256.9	253.8	251.0	252.2	251.9	249.9	250.5	250.2	252.4	3.2	3.6
5,0°	248.3	248.0	247.6	244.7	243.8	240.8	239.7	238.1	240.3	238.3	240.2	6.3	10.0
7,5°	237.6	230.9	229.2	228.6	224.8	222.0	219.4	218.6	215.7	216.7	216.9	9.4	19.3
10,0°	221.3	214.6	208.2	202.9	198.7	198.8	199.0	198.0	198.2	198.1	195.2	12.2	31.5
12,5°	203.7	196.8	192.2	183.7	183.6	182.0	181.0	176.7	174.1	172.2	171.5	15.0	46.5
15,0°	186.5	178.0	176.2	169.6	166.7	160.1	155.8	154.1	151.7	150.9	150.6	17.7	64.2
17,5°	176.1	167.1	157.8	153.5	148.4	147.6	144.8	144.9	145.1	146.7	143.8	20.7	84.8
20,0°	164.3	155.9	149.9	146.2	140.9	137.2	131.6	130.4	128.3	126.9	124.9	23.6	108.5
22,5°	154.2	146.7	140.2	130.7	122.7	116.4	112.1	109.0	111.6	108.2	110.7	26.4	134.9
25,0°	142.1	130.1	120.6	106.7	103.3	95.5	98.8	96.4	97.5	97.4	99.3	29.1	164.0
27,5°	123.7	109.6	92.1	90.5	86.8	87.4	88.0	94.3	96.2	99.4	99.8	31.7	195.7
30,0°	104.3	88.4	83.4	81.7	84.9	91.2	91.8	95.1	93.2	95.8	99.4	34.4	230.1
32,5°	81.6	73.6	73.0	73.4	77.3	81.3	81.6	84.1	86.0	82.6	88.3	36.5	266.6
35,0°	69.6	66.2	65.4	69.0	64.3	66.1	67.8	70.2	73.5	73.0	80.2	38.6	305.2
37,5°	70.3	69.8	68.3	63.8	63.8	59.8	62.3	66.0	64.0	64.6	67.3	41.0	346.2
40,0°	65.5	66.3	67.3	63.3	62.7	67.0	69.6	69.2	66.5	65.0	68.9	43.2	389.4
42,5°	64.0	62.1	68.3	59.5	72.1	75.8	71.4	68.4	64.4	63.6	62.6	45.0	434.4
45,0°	58.5	58.8	65.2	59.8	62.5	64.7	64.0	60.4	60.0	57.6	57.0	46.3	480.6
47,5°	53.8	57.1	57.5	58.4	56.9	59.5	56.5	57.2	57.7	57.2	54.4	47.2	527.9
50,0°	52.4	52.7	52.9	54.9	55.1	55.6	57.4	56.4	52.2	52.9	53.2	48.3	576.2
52,5°	50.2	51.8	51.5	52.5	53.4	50.3	52.2	48.7	52.1	48.7	47.6	49.5	625.7
55,0°	47.0	47.2	50.2	49.9	48.0	48.9	47.8	47.7	44.7	45.8	45.7	50.6	676.3
57,5°	46.6	43.4	43.3	44.0	46.3	44.9	46.0	42.7	41.6	42.0	41.1	50.5	726.8
60,0°	39.7	40.8	39.5	40.4	40.2	41.0	40.9	42.6	41.2	41.2	39.3	48.0	774.8
62,5°	36.9	38.6	35.2	36.9	36.9	36.9	37.6	37.2	37.3	37.5	36.1	45.8	820.6
65,0°	33.7	36.6	36.0	30.8	34.2	31.7	33.6	34.0	34.8	34.2	33.8	43.9	864.4
67,5°	30.7	30.9	31.1	30.5	30.9	30.4	30.0	32.6	33.0	32.5	32.0	40.1	904.6
70,0°	24.9	27.9	27.6	27.1	28.7	24.9	27.3	28.1	30.3	29.7	29.0	35.7	940.2
72,5°	20.6	22.8	23.9	24.1	24.1	24.0	23.7	24.0	28.1	31.5	34.3	29.2	969.4
75,0°	16.2	18.4	21.1	21.3	20.4	20.7	19.2	19.2	26.6	34.8	38.2	17.7	987.1
77,5°	10.5	11.5	15.4	16.1	16.5	15.0	14.2	12.3	12.7	7.0	5.2	8.0	995.1
80,0°	7.0	7.3	9.5	11.3	13.1	11.1	7.6	9.0	5.4	1.0	1.0	3.5	998.6
82,5°	3.1	4.6	5.5	6.4	6.3	4.6	4.5	3.8	1.9	0.6	0.3	1.2	999.7
85,0°	0.9	0.9	0.9	1.0	0.9	0.8	0.7	0.7	0.2	0.1	0.0	0.2	1000.0
87,5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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 LED	Order number: 5XE3E41G08NB EAN: 4058352728772	LP number 59079_90
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Dimming levels table	environmental temperature: 25°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	24250	155.5	162.3	158.9
95	241	252	23009	145.3	151.5	148.4
90	229	250	21863	136.2	141.9	139.0
85	216	248	20622	126.7	131.9	129.3
80	203	246	19381	117.5	122.3	119.9
75	190	243	18140	108.6	113.1	110.8
70	178	241	16994	100.6	104.7	102.6
65	165	238	15753	92.2	96.0	94.1
60	152	235	14512	84.0	87.3	85.6
55	140	232	13366	76.7	79.7	78.2
50	127	229	12125	68.9	71.6	70.2
45	114	225	10884	61.3	63.7	62.5
40	102	221	9738	54.4	56.6	55.5
35	89	216	8497	47.2	49.0	48.1
30	76	210	7256	40.0	41.5	40.8
25	63	203	6015	32.9	34.2	33.6
20	51	195	4869	26.8	27.8	27.3
15	38	184	3628	20.1	20.9	20.5
10	25	169	2387	13.7	14.2	14.0
9	23	166	2196	12.7	13.1	12.9

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	24250	151.6	157.7	154.6
95	241	252	23009	142.1	147.7	144.9
90	229	250	21863	133.4	138.8	136.1
85	216	248	20622	124.5	129.3	126.9
80	203	246	19381	115.7	120.2	118.0
75	190	243	18140	107.3	111.4	109.4
70	178	241	16994	99.5	103.4	101.4
65	165	238	15753	91.3	94.9	93.1
60	152	235	14512	83.3	86.6	84.9
55	140	232	13366	76.2	79.1	77.6
50	127	229	12125	68.6	71.2	69.9
45	114	225	10884	61.2	63.5	62.4
40	102	221	9738	54.4	56.5	55.4
35	89	216	8497	47.0	49.0	48.0
30	76	210	7256	40.0	41.4	40.7
25	63	203	6015	33.0	34.2	33.6
20	51	195	4869	26.8	27.8	27.3
15	38	184	3628	20.3	21.0	20.6
10	25	169	2387	13.9	14.3	14.1
9	23	166	2196	12.9	13.3	13.1

Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3E41G08NB EAN: 4058352728772	LP number 59079_90
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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	24250	153.1	159.4	156.2
95	241	252	23009	143.3	149.1	146.2
90	229	250	21863	134.5	139.8	137.2
85	216	248	20622	125.3	130.3	127.8
80	203	246	19381	116.4	121.0	118.7
75	190	243	18140	107.7	111.9	109.8
70	178	241	16994	100.0	103.8	101.9
65	165	238	15753	91.7	95.2	93.4
60	152	235	14512	83.5	86.8	85.2
55	140	232	13366	76.3	79.2	77.8
50	127	229	12125	68.6	71.3	69.9
45	114	225	10884	61.1	63.5	62.3
40	102	221	9738	54.3	56.4	55.4
35	89	216	8497	47.0	48.9	48.0
30	76	210	7256	39.9	41.4	40.6
25	63	203	6015	33.0	34.2	33.6
20	51	195	4869	26.8	27.7	27.2
15	38	184	3628	20.2	20.9	20.5
10	25	169	2387	13.7	14.1	13.9
9	23	166	2196	12.7	13.1	12.9

Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3E41G08NB EAN: 4058352728772	LP number 59079_90
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Luminousfluxs table **sITeco**

Temperature °C	Luminous flux lm	Power consumption W
25.0	24250.0	155.5
5.0	24250.0	151.6
15.0	24250.0	153.1