

Photometric test report

Family
Streetlight 21 midi LED

Order number: 5XE3E63T08NB
EAN: 4058352729090

LP number
59079_115



Version	post-top or side-entry mounting, Smart Interface up/down
Optic	asymmetric, wide distribution (STW1.0a G)
Cover	toughened safety glass
Lamps	LED 2700 K CRI ≥ 70
Controlgear	EVG-Smart Interface
Rated values	Net luminous flux = 20350 lm Power consumption = 151.2 W Luminous efficacy = 134.6 lm/W

serial
documentation
23.08.2022

siteco

Luminous intensity in cd/klm

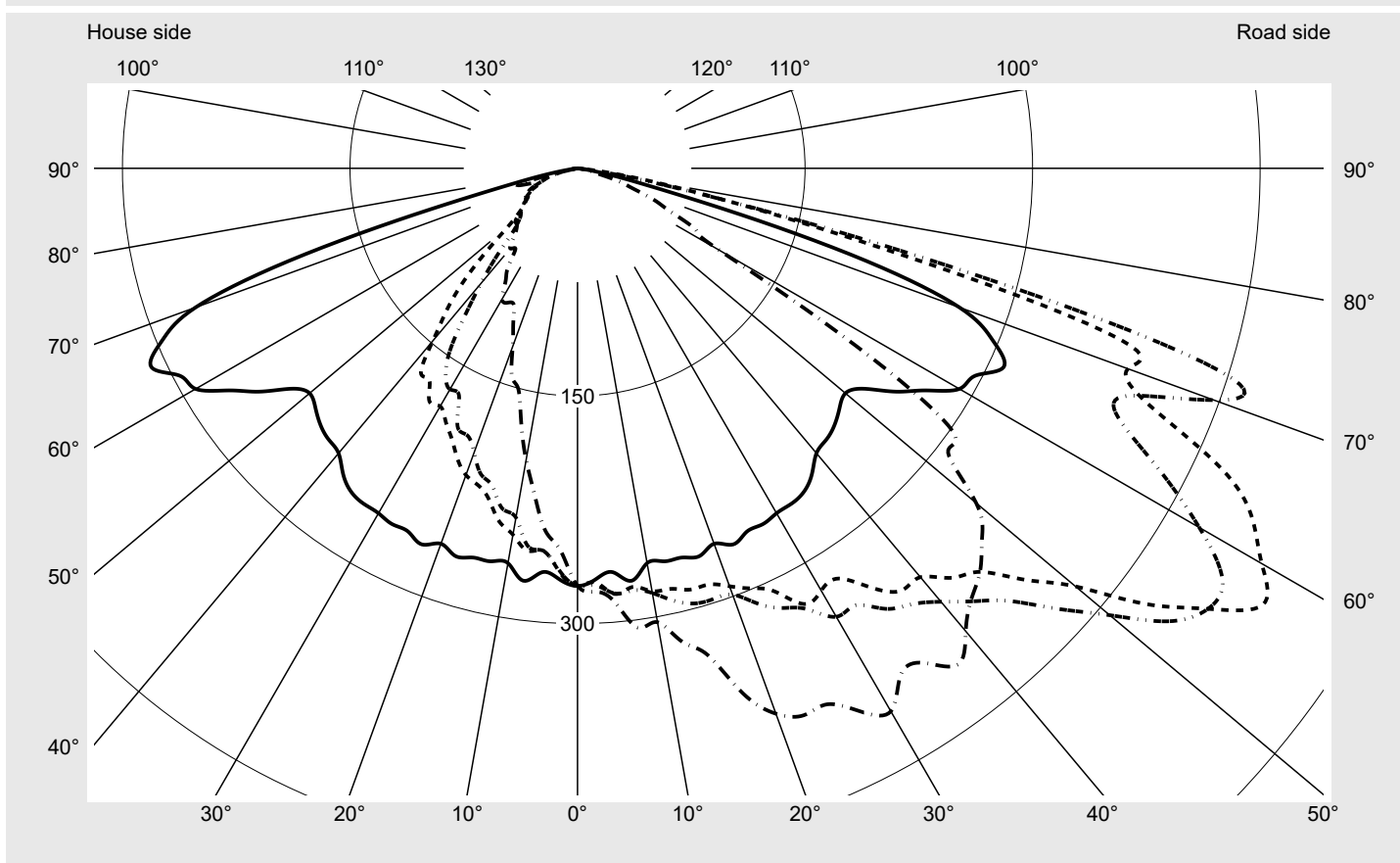
C180-0

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

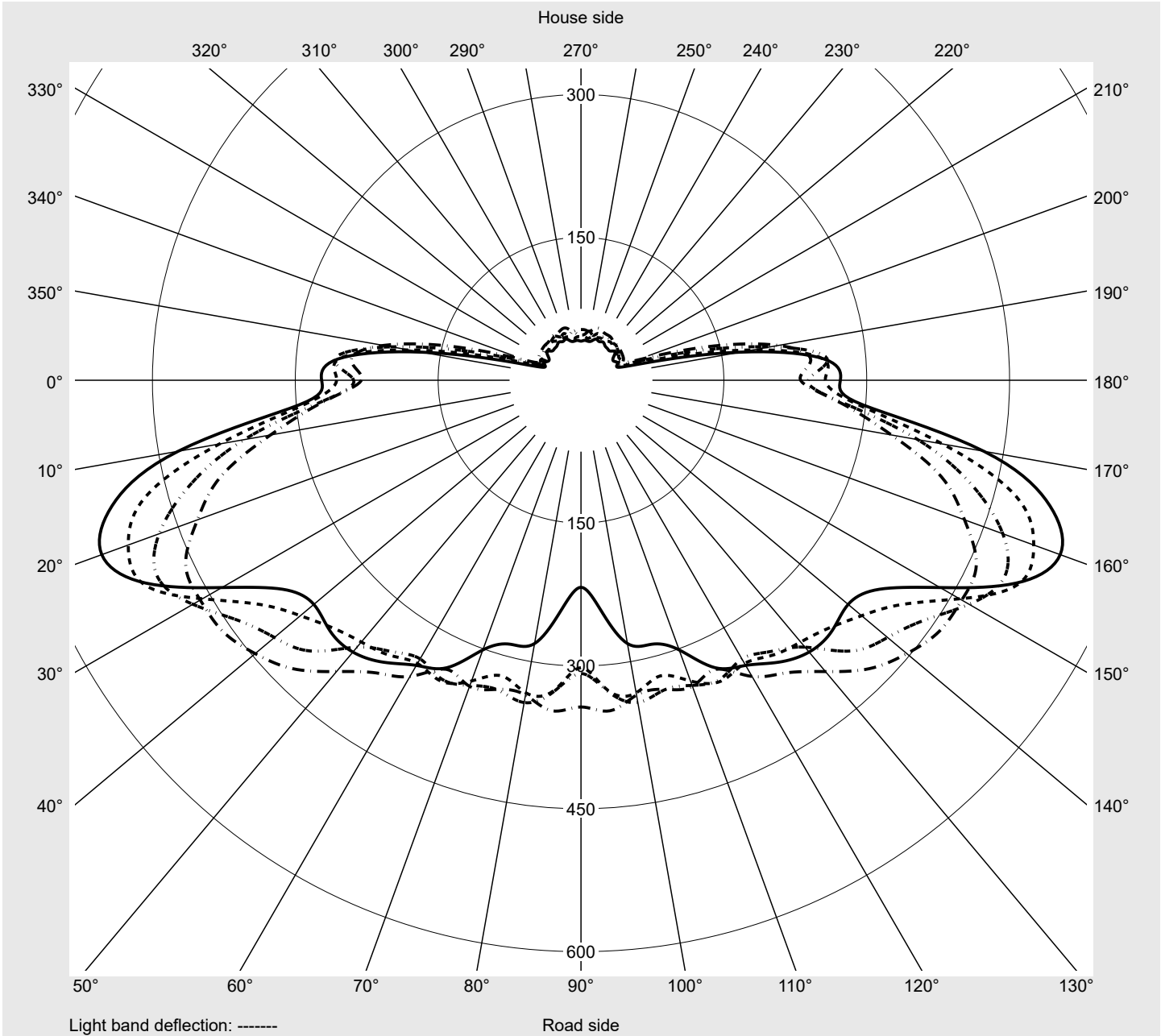
Luminous intensity class acc. to EN13201-2

Class:	G4
Imax 70°	486.3
Imax 80°	49.2
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

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Envelope curve in cd/klm **KMK 57.5°** **KMK 55°** **KMK 52.5°** **KMK 50°** **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°	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

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Family Streetlight 21 midi LED	Order number: 5XE3E63T08NB EAN: 4058352729090	LP number 59079_115
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: 5XE3E63T08NB EAN: 4058352729090	LP number 59079_115
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: 5XE3E63T08NB EAN: 4058352729090	LP number 59079_115
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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	20350	151.2	156.8	154.0
95	239	252	19359	142.3	147.4	144.9
90	224	249	18337	133.3	138.2	135.8
85	209	247	17293	124.5	128.9	126.7
80	195	244	16289	116.2	120.3	118.2
75	181	242	15260	107.9	111.7	109.8
70	167	239	14213	99.8	103.2	101.5
65	154	236	13227	92.2	95.5	93.8
60	141	232	12219	84.7	87.6	86.2
55	128	229	11196	77.3	79.9	78.6
50	115	225	10152	69.9	72.1	71.0
45	103	221	9173	63.0	65.1	64.0
40	91	216	8175	56.1	58.0	57.0
35	79	211	7165	49.3	50.9	50.1
30	67	205	6139	42.5	43.9	43.2
25	55	198	5094	35.7	36.8	36.2
20	43	189	4038	29.0	29.9	29.4
15	32	178	3055	22.8	23.4	23.1
12	25	169	2424	19.0	19.5	19.2

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	21020	153.0	158.7	155.8
95	239	252	19964	144.0	149.2	146.6
90	225	250	18952	135.6	140.5	138.0
85	210	247	17852	126.6	131.1	128.8
80	196	245	16800	118.3	122.5	120.4
75	183	242	15801	110.6	114.5	112.6
70	169	239	14713	102.3	105.8	104.0
65	156	236	13689	94.6	98.0	96.3
60	143	233	12646	87.0	90.1	88.6
55	130	229	11590	79.6	82.2	80.9
50	117	226	10515	72.0	74.4	73.2
45	104	221	9425	64.4	66.7	65.6
40	92	217	8402	57.6	59.4	58.5
35	80	212	7369	50.6	52.2	51.4
30	68	206	6322	43.7	45.1	44.4
25	56	199	5257	36.8	38.0	37.4
20	44	190	4184	30.0	30.9	30.4
15	33	179	3185	23.7	24.4	24.0
12	25	169	2453	19.3	19.8	19.6

Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3E63T08NB EAN: 4058352729090	LP number 59079_115
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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	20710	152.1	157.7	154.9
95	239	252	19685	143.1	148.3	145.7
90	224	249	18630	134.1	139.0	136.6
85	210	247	17627	125.8	130.3	128.0
80	196	245	16599	117.5	121.7	119.6
75	182	242	15546	109.2	113.1	111.2
70	168	239	14477	101.0	104.5	102.8
65	155	236	13470	93.4	96.7	95.1
60	142	233	12444	85.8	88.8	87.3
55	129	229	11403	78.4	81.1	79.8
50	116	225	10343	70.9	73.3	72.1
45	104	221	9350	64.0	66.2	65.1
40	91	216	8254	56.5	58.4	57.4
35	79	211	7230	49.6	51.3	50.4
30	67	205	6191	42.8	44.2	43.5
25	55	198	5136	36.0	37.1	36.6
20	44	190	4159	29.8	30.6	30.2
15	32	178	3077	23.0	23.6	23.3
12	25	169	2441	19.1	19.7	19.4

Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3E63T08NB EAN: 4058352729090	LP number 59079_115
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Luminousfluxs table **sITeco**

Temperature °C	Luminous flux lm	Power consumption W
25.0	20350.0	151.2
5.0	21020.0	153.0
15.0	20710.0	152.1