

Photometric test report

Family
Streetlight 21 midi LED

Order number: 5XE3E31Y08MB
EAN: 4058352924136

LP number
59077_1304



Version post-top or side-entry mounting, Smart Interface up/down
Optic asymmetric, wide distribution (STW1.0a)
Cover toughened safety glass
Lamps LED 3000 K | CRI ≥ 70
Controlgear EVG SITECO iQ - Smart Interface
Rated values Net luminous flux = 18340 lm
 Power consumption = 129.3 W
 Luminous efficacy = 141.8 lm/W

serial
documentation
09.08.2023

siteco

Luminous intensity in cd/klm

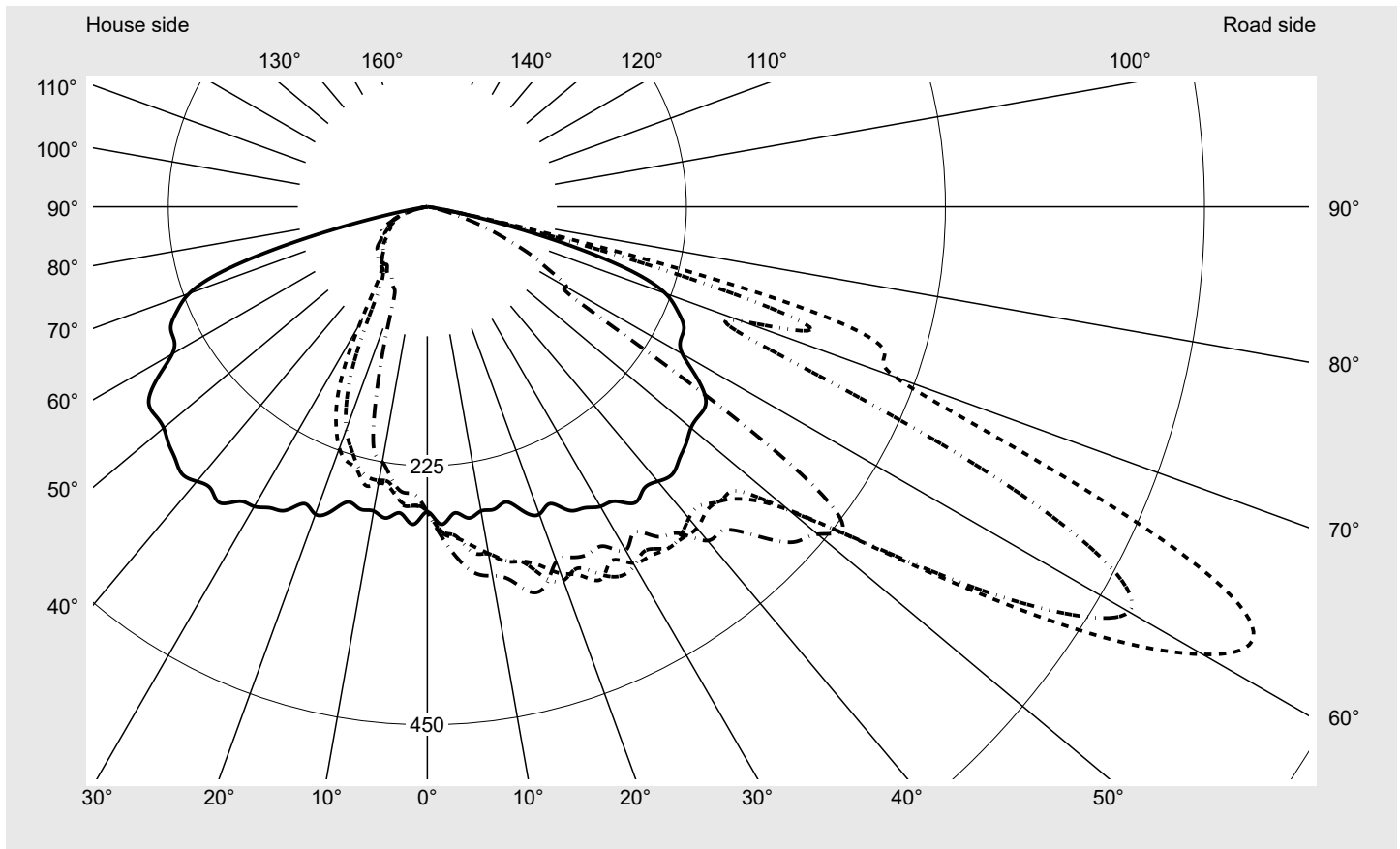
C180-0

C210-30

C215-35

C270-90

Imax: 809 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°	498.7
Imax 80°	32.8
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

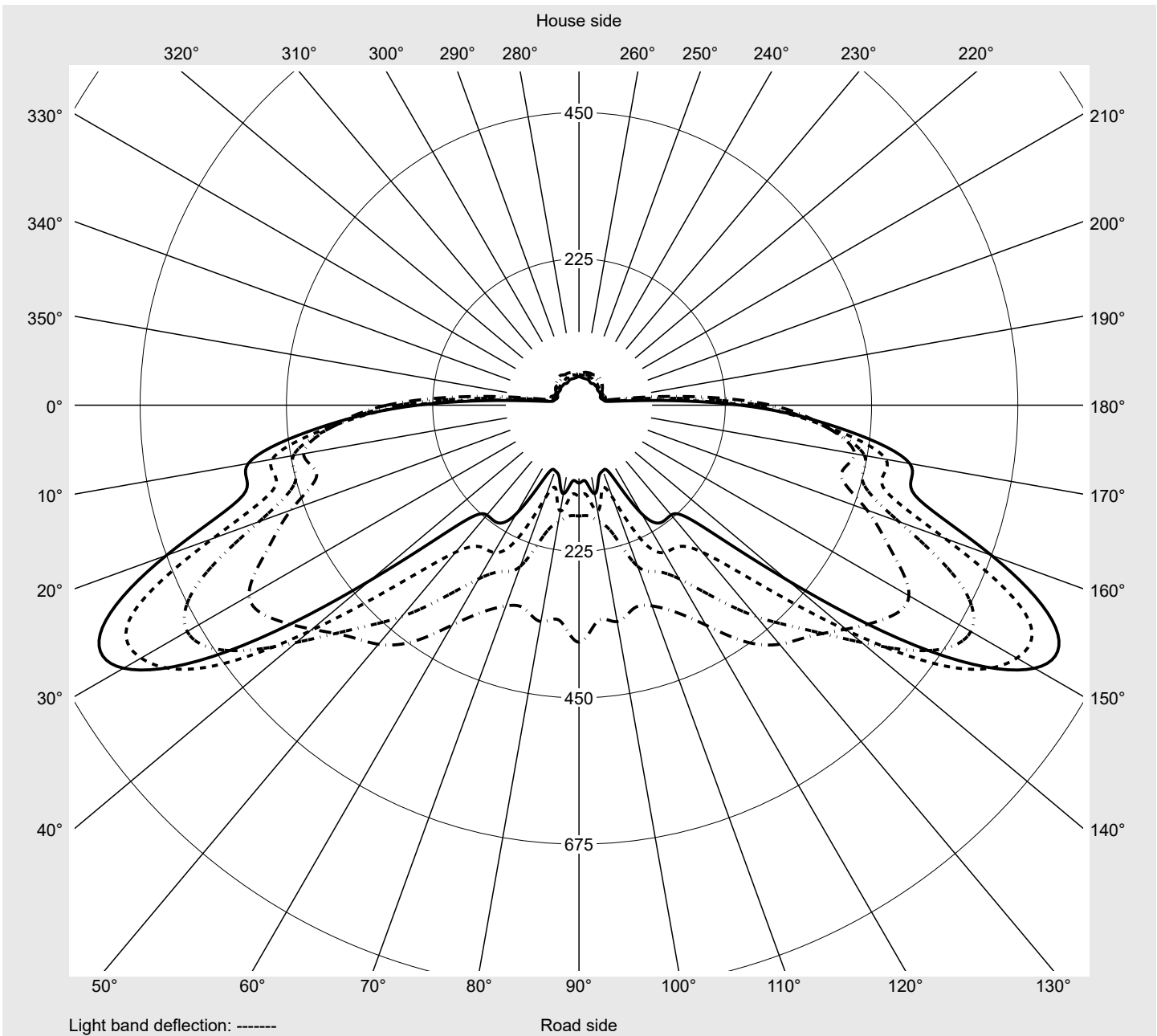
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3E31Y08MB EAN: 4058352924136	LP number 59077_1304
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Envelope curve in cd/klm **KMK 62.5°** **KMK 60°** **KMK 57.5°** **KMK 55°** **siteco**



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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°	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0
2,5°	276.1	278.2	279.9	280.7	282.6	280.9	282.9	282.1	283.9	285.0	286.7	288.0	286.1
5,0°	267.2	269.0	274.7	278.5	279.8	286.4	288.9	287.4	290.8	292.6	294.2	300.0	298.6
7,5°	272.7	275.9	280.1	284.4	288.5	292.4	296.9	303.0	303.7	307.0	310.0	310.1	313.3
10,0°	268.4	272.2	277.4	291.4	300.9	306.8	305.9	306.1	302.0	308.4	313.7	316.2	320.5
12,5°	269.1	273.9	287.4	294.7	304.6	314.3	315.6	314.8	322.9	327.5	331.4	330.3	330.5
15,0°	265.5	276.8	296.7	300.8	305.0	315.9	318.9	319.5	329.6	338.0	337.2	339.7	342.1
17,5°	277.4	287.6	299.4	305.4	315.7	326.6	326.9	337.2	336.9	335.5	339.7	341.4	338.5
20,0°	284.3	295.0	304.2	313.5	321.0	328.4	338.9	345.5	343.3	344.8	347.8	341.7	334.4
22,5°	279.1	294.0	312.1	323.0	327.7	341.0	346.5	340.0	341.6	352.4	351.9	343.1	331.1
25,0°	291.0	303.1	317.1	327.0	339.5	348.9	357.1	351.7	350.1	347.4	339.5	333.6	333.4
27,5°	295.0	309.9	321.7	338.0	351.4	356.8	346.6	361.8	356.7	344.1	331.2	337.6	339.9
30,0°	300.7	317.1	328.5	349.8	355.9	355.9	357.4	359.7	352.9	344.8	333.1	337.4	338.9
32,5°	303.3	318.9	336.3	353.9	359.5	349.5	359.8	353.7	348.0	346.4	340.3	346.7	346.0
35,0°	314.0	326.8	340.1	355.5	360.5	357.7	363.1	362.1	346.9	343.3	345.1	341.2	346.2
37,5°	308.9	327.9	347.5	353.8	357.0	355.0	363.3	360.9	349.1	347.9	346.4	345.8	346.0
40,0°	311.4	332.1	344.0	358.4	357.1	363.3	364.4	353.3	357.7	355.2	353.1	353.4	356.3
42,5°	315.1	342.3	354.5	357.4	364.8	358.6	358.8	351.6	354.4	362.5	363.5	361.8	376.7
45,0°	309.7	352.0	364.3	364.3	367.8	375.0	361.3	360.8	367.0	373.0	384.1	397.1	402.7
47,5°	304.8	361.9	365.7	366.2	379.0	381.6	376.2	365.3	379.3	404.4	419.2	437.2	429.1
50,0°	298.9	376.3	386.3	389.3	397.8	415.1	409.9	410.7	417.6	449.6	467.2	465.5	448.8
52,5°	297.8	384.5	408.5	405.9	426.8	460.3	481.7	479.2	484.8	487.2	491.5	476.7	441.4
55,0°	295.5	381.4	430.2	417.6	471.4	530.1	586.0	573.2	535.9	502.5	479.9	443.5	390.5
57,5°	278.4	380.3	445.9	451.7	523.6	645.7	695.9	657.7	567.6	486.1	424.4	359.9	308.3
60,0°	255.9	384.0	479.3	483.8	599.0	757.2	777.7	703.6	540.3	384.0	295.1	265.7	261.6
62,5°	248.4	402.0	516.6	535.0	675.3	808.8	809.0	659.9	419.1	256.1	220.5	220.2	192.6
65,0°	245.9	422.0	553.6	573.4	711.3	776.7	738.3	510.2	243.5	208.7	192.4	191.3	104.6
67,5°	235.0	425.3	575.2	564.4	621.8	656.3	565.5	314.5	192.3	176.6	153.1	147.2	65.3
70,0°	220.0	417.0	498.7	490.7	467.4	475.7	432.4	290.7	186.4	147.5	119.0	82.6	48.3
72,5°	186.1	339.1	400.0	304.5	275.2	335.3	416.1	348.4	176.7	109.9	75.5	56.3	39.4
75,0°	123.0	169.2	172.4	105.2	89.8	211.1	330.5	216.4	77.4	39.2	49.9	41.1	30.5
77,5°	56.5	71.0	62.1	33.2	30.7	82.6	105.1	73.0	43.5	25.3	37.7	26.1	20.2
80,0°	17.1	18.7	17.1	12.0	10.0	32.8	16.7	12.3	11.9	13.6	24.3	14.2	12.9
82,5°	2.8	2.6	2.8	2.7	4.2	12.7	4.3	4.9	3.6	2.7	7.1	7.5	9.0
85,0°	0.6	1.0	0.8	0.7	0.9	0.6	1.1	1.6	1.2	1.0	1.0	1.0	0.9
87,5°	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	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 LED	Order number: 5XE3E31Y08MB EAN: 4058352924136	LP number 59077_1304
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°	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0
2,5°	287.5	287.6	287.1	287.4	287.0	287.0	273.3	268.1	264.9	264.2	262.9	260.1	259.7
5,0°	298.8	299.6	303.6	304.8	306.2	307.1	263.9	264.0	263.7	260.2	262.6	257.7	259.0
7,5°	311.1	312.7	314.2	315.4	319.9	321.2	264.6	260.9	257.4	253.9	248.6	246.6	243.3
10,0°	322.2	321.1	324.7	324.1	330.8	325.5	261.4	256.1	251.1	248.3	244.7	244.0	241.3
12,5°	332.1	335.3	335.1	332.5	329.2	332.0	262.3	260.1	252.5	246.3	242.6	247.9	240.3
15,0°	337.6	337.3	338.6	345.5	346.4	346.4	261.0	256.5	253.2	248.3	245.2	236.4	233.1
17,5°	341.6	341.9	341.5	339.9	341.6	343.8	270.2	262.3	253.8	247.9	241.6	232.0	220.2
20,0°	335.0	333.0	331.7	327.6	328.6	327.9	267.8	260.8	255.7	239.3	232.0	223.3	206.1
22,5°	329.0	328.2	327.2	332.2	325.7	329.6	271.4	267.7	246.7	240.9	224.1	206.9	183.3
25,0°	334.2	338.9	333.4	328.8	331.6	332.3	273.9	267.1	247.9	230.6	210.1	185.4	153.1
27,5°	345.0	340.9	338.0	336.9	330.6	332.5	281.1	265.5	244.5	212.3	189.3	154.5	114.5
30,0°	347.4	348.6	347.5	338.6	338.7	344.5	287.4	263.9	231.2	198.3	160.4	116.8	84.4
32,5°	348.4	347.2	343.8	343.5	341.8	335.2	290.9	256.1	220.6	179.3	126.7	86.3	72.1
35,0°	347.0	345.2	346.6	347.5	342.5	350.1	287.0	243.6	204.1	146.9	96.2	70.3	66.8
37,5°	350.1	351.8	356.0	359.3	353.9	357.4	278.7	226.5	179.7	108.7	69.8	65.7	65.1
40,0°	361.0	366.3	369.3	373.6	367.6	378.6	271.5	211.0	146.0	80.9	62.4	61.5	61.5
42,5°	385.5	380.9	382.4	379.9	385.9	381.1	253.2	192.1	110.3	60.5	58.0	57.7	57.7
45,0°	410.8	397.6	391.9	399.7	411.0	404.2	243.1	159.0	76.9	55.3	55.2	53.6	54.0
47,5°	433.6	414.0	411.4	415.7	420.3	431.3	227.6	126.7	55.1	50.4	51.7	51.7	52.1
50,0°	445.6	425.7	419.8	449.5	443.7	442.5	210.7	88.3	49.0	47.6	47.1	49.3	47.6
52,5°	416.0	395.0	398.9	443.8	448.1	454.9	180.9	59.1	45.7	45.0	43.8	45.3	45.8
55,0°	351.0	328.5	323.8	337.9	333.0	364.6	154.6	48.8	43.8	42.1	39.9	41.0	43.9
57,5°	282.3	263.7	206.2	182.5	171.1	170.4	121.8	44.9	41.6	41.3	39.9	40.0	43.9
60,0°	229.7	151.7	135.7	165.2	139.3	139.5	86.6	41.6	37.8	38.2	38.7	36.9	40.7
62,5°	120.0	107.2	116.5	138.1	117.6	119.8	77.0	39.6	36.3	35.0	36.5	37.2	37.1
65,0°	83.4	91.6	95.7	104.6	97.6	100.3	69.3	36.7	32.8	31.9	34.4	37.0	32.8
67,5°	67.6	73.1	74.5	77.1	78.6	76.2	54.0	28.7	29.8	27.7	32.7	34.8	32.1
70,0°	52.0	55.8	56.0	55.7	56.2	56.3	41.4	23.6	24.9	23.4	27.3	28.8	27.1
72,5°	39.0	39.0	37.7	39.2	37.6	36.6	39.4	19.2	19.3	19.8	21.9	22.2	21.5
75,0°	24.8	24.3	23.5	23.2	21.8	20.8	33.9	14.3	14.8	15.1	17.1	14.6	15.3
77,5°	14.2	13.2	12.7	11.4	11.4	9.5	22.2	10.4	8.7	9.2	11.9	11.0	10.9
80,0°	7.8	5.8	5.4	4.1	4.0	2.8	9.0	5.5	5.3	4.7	5.5	5.6	6.8
82,5°	3.8	1.6	1.4	1.0	1.4	0.9	2.5	2.3	2.2	2.3	2.5	2.8	3.4
85,0°	0.6	0.4	0.3	0.3	0.3	0.4	0.8	0.7	0.8	0.8	0.7	0.9	1.0
87,5°	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
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 LED	Order number: 5XE3E31Y08MB EAN: 4058352924136	LP number 59077_1304
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°	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	0.4	0.4
2,5°	256.9	256.0	255.6	256.1	254.6	252.5	250.9	249.4	248.9	249.4	250.4	3.2	3.6
5,0°	255.7	253.9	254.1	252.3	249.0	249.7	248.6	248.0	246.8	248.4	248.8	6.5	10.2
7,5°	240.3	241.6	243.4	240.7	241.4	239.6	241.1	240.8	239.1	237.5	238.3	9.8	20.0
10,0°	240.0	236.3	237.0	232.8	230.3	226.3	227.2	227.7	229.3	228.1	225.1	13.0	33.0
12,5°	232.1	228.4	226.2	223.2	220.3	215.5	208.4	206.4	206.3	212.3	215.0	16.3	49.3
15,0°	228.7	218.0	206.6	202.2	200.2	193.2	184.1	176.9	174.8	172.2	172.4	19.2	68.5
17,5°	209.4	198.3	189.0	174.2	161.0	148.0	139.2	129.3	122.8	121.0	123.7	21.6	90.1
20,0°	192.2	169.1	150.1	131.9	115.1	104.2	97.2	89.9	88.2	86.4	85.0	23.5	113.6
22,5°	156.5	129.9	107.3	94.2	82.7	77.8	78.4	76.9	75.2	76.8	76.1	25.4	139.0
25,0°	117.5	93.4	80.0	74.6	74.6	73.9	73.1	74.0	72.0	74.0	72.3	27.6	166.6
27,5°	87.2	75.8	71.2	72.6	73.4	71.9	71.0	71.6	70.4	71.1	67.8	29.8	196.4
30,0°	73.6	70.2	72.9	71.5	70.4	71.0	69.8	70.1	68.1	67.3	68.0	32.0	228.4
32,5°	67.8	68.1	67.7	70.5	70.7	68.2	67.0	65.7	64.1	63.6	65.2	33.9	262.4
35,0°	66.4	67.3	66.7	66.1	65.8	64.8	64.9	64.1	64.6	62.1	61.4	35.8	298.2
37,5°	67.0	67.1	66.4	64.8	64.1	62.0	62.1	63.5	62.3	64.1	62.6	37.7	335.9
40,0°	65.2	69.2	62.8	60.8	59.4	59.4	62.3	62.4	60.3	60.0	60.4	39.8	375.7
42,5°	64.4	66.3	68.6	56.9	57.5	58.5	59.4	60.7	57.9	58.0	62.3	42.0	417.7
45,0°	61.0	62.0	77.2	58.2	58.6	59.2	60.0	59.8	60.6	60.1	60.3	44.9	462.5
47,5°	53.1	53.8	65.9	58.5	59.2	58.8	59.9	60.0	59.8	59.0	57.8	47.8	510.3
50,0°	49.0	52.4	58.1	59.5	60.2	57.5	58.4	56.2	56.5	55.8	56.8	51.7	562.1
52,5°	47.6	51.8	55.7	54.3	55.8	54.5	53.9	54.8	53.8	53.5	53.4	54.9	616.9
55,0°	47.0	49.2	51.3	53.6	53.4	51.8	52.2	51.8	51.3	49.3	48.8	55.2	672.1
57,5°	45.4	44.7	46.5	47.9	48.4	48.5	47.8	47.7	47.4	46.4	47.2	53.2	725.3
60,0°	41.2	41.2	43.3	43.3	43.7	45.9	44.1	44.4	44.6	44.1	43.7	51.8	777.1
62,5°	37.1	39.0	39.1	39.8	38.6	39.5	41.5	41.8	42.1	42.8	44.1	49.6	826.7
65,0°	33.4	34.7	37.0	36.8	35.8	36.8	38.8	37.6	40.4	42.1	41.9	46.0	872.7
67,5°	29.7	31.0	32.3	32.5	32.0	32.6	33.8	36.5	37.1	35.6	34.6	40.0	912.8
70,0°	25.9	28.0	28.5	28.5	28.1	28.2	29.6	31.2	31.7	30.2	29.9	33.5	946.3
72,5°	21.7	23.7	24.6	25.3	25.5	26.0	25.4	26.6	27.1	26.8	25.0	26.9	973.2
75,0°	17.0	18.4	21.4	20.6	20.1	20.9	20.3	21.1	22.0	20.0	20.2	15.6	988.8
77,5°	12.3	14.7	16.6	16.7	16.2	16.3	15.3	12.3	9.2	7.0	6.0	7.1	995.9
80,0°	7.5	8.6	11.2	12.9	13.0	11.5	9.3	6.4	3.8	1.9	1.2	2.8	998.7
82,5°	3.8	4.4	5.7	8.4	8.1	7.0	4.2	2.7	1.4	0.5	0.4	1.1	999.7
85,0°	1.4	1.4	1.6	1.6	1.8	1.5	0.8	0.5	0.4	0.1	0.1	0.2	1000.0
87,5°	0.2	0.2	0.2	0.1	0.1	0.1	0.1	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: 5XE3E31Y08MB EAN: 4058352924136	LP number 59077_1304
Dimming levels table		siteco
environmental temperature: 25°C		

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	18340	129.3	141.6	135.4
95	241	252	17401	120.4	131.7	126.0
90	229	250	16535	112.4	122.8	117.6
85	216	248	15596	104.1	113.8	109.0
80	203	246	14658	96.3	105.0	100.6
75	190	243	13719	88.7	96.9	92.8
70	178	241	12852	82.1	89.4	85.8
65	165	238	11914	75.0	81.8	78.4
60	152	235	10975	68.1	74.2	71.2
55	140	232	10109	62.1	67.6	64.8
50	127	229	9170	55.6	60.5	58.0
45	114	225	8231	49.3	53.7	51.5
40	102	221	7365	43.6	47.4	45.5
35	89	216	6426	37.7	41.0	39.4
30	76	210	5488	32.0	34.7	33.4
25	63	203	4549	26.5	28.6	27.6
20	51	195	3682	21.6	23.3	22.5
15	38	184	2744	16.4	17.6	17.0
11	29	175	2094	12.8	13.8	13.3

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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	18340	125.6	130.4	128.0
95	241	252	17401	117.3	121.8	119.6
90	229	250	16535	109.9	114.0	112.0
85	216	248	15596	102.2	106.0	104.1
80	203	246	14657	94.8	98.3	96.6
75	191	244	13791	88.1	91.3	89.7
70	178	241	12852	81.0	84.0	82.5
65	165	238	11914	74.2	77.0	75.6
60	152	235	10975	67.6	70.0	68.8
55	140	232	10109	61.6	63.9	62.8
50	127	229	9170	55.3	57.3	56.3
45	114	225	8231	49.0	50.9	50.0
40	102	221	7365	43.5	45.1	44.3
35	89	216	6426	37.7	39.1	38.4
30	76	210	5487	32.0	33.2	32.6
25	64	204	4621	26.9	27.9	27.4
20	51	195	3682	21.6	22.3	22.0
15	38	184	2744	16.5	17.0	16.8
11	29	175	2094	12.9	13.3	13.1

Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3E31Y08MB EAN: 4058352924136	LP number 59077_1304
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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	18340	127.2	133.1	130.2
95	241	252	17401	118.5	124.0	121.2
90	229	250	16534	110.9	116.1	113.5
85	216	248	15596	102.9	107.6	105.2
80	203	246	14657	95.3	99.6	97.4
75	191	244	13791	88.5	92.6	90.6
70	178	241	12852	81.4	85.0	83.2
65	165	238	11913	74.5	77.8	76.2
60	152	235	10975	67.8	70.8	69.3
55	140	232	10108	61.8	64.5	63.2
50	127	229	9170	55.4	57.8	56.6
45	114	225	8231	49.1	51.3	50.2
40	102	221	7365	43.5	45.4	44.4
35	89	216	6426	37.7	39.3	38.5
30	76	210	5487	31.9	33.3	32.6
25	64	204	4621	26.9	28.0	27.4
20	51	195	3682	21.5	22.4	22.0
15	38	184	2744	16.4	17.0	16.7
11	29	175	2094	12.9	13.3	13.1

Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3E31Y08MB EAN: 4058352924136	LP number 59077_1304
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Luminousfluxs table **siteco**

Temperature °C	Luminous flux lm	Power consumption W
25.0	18340.0	129.3
5.0	18340.0	125.6
15.0	18340.0	127.2