

Photometric test report

Family Streetlight 21 midi LED

Order number: 5XE3R33R08MB
EAN: 4069025163677

LP number
59535_105



Version	post-top or side-entry mounting, Smart Interface down
Optic	direct, asymmetric wide distribution P08B001
Cover	toughened safety glass
Lamps	LED 3000 K CRI ≥ 70
Controlgear	EVG-Smart Interface
Rated values	Net luminous flux = 15870 lm Power consumption = 136.0 W Luminous efficacy = 116.7 lm/W

serial
documentation
18.01.2024

siteco

Luminous intensity in cd/klm

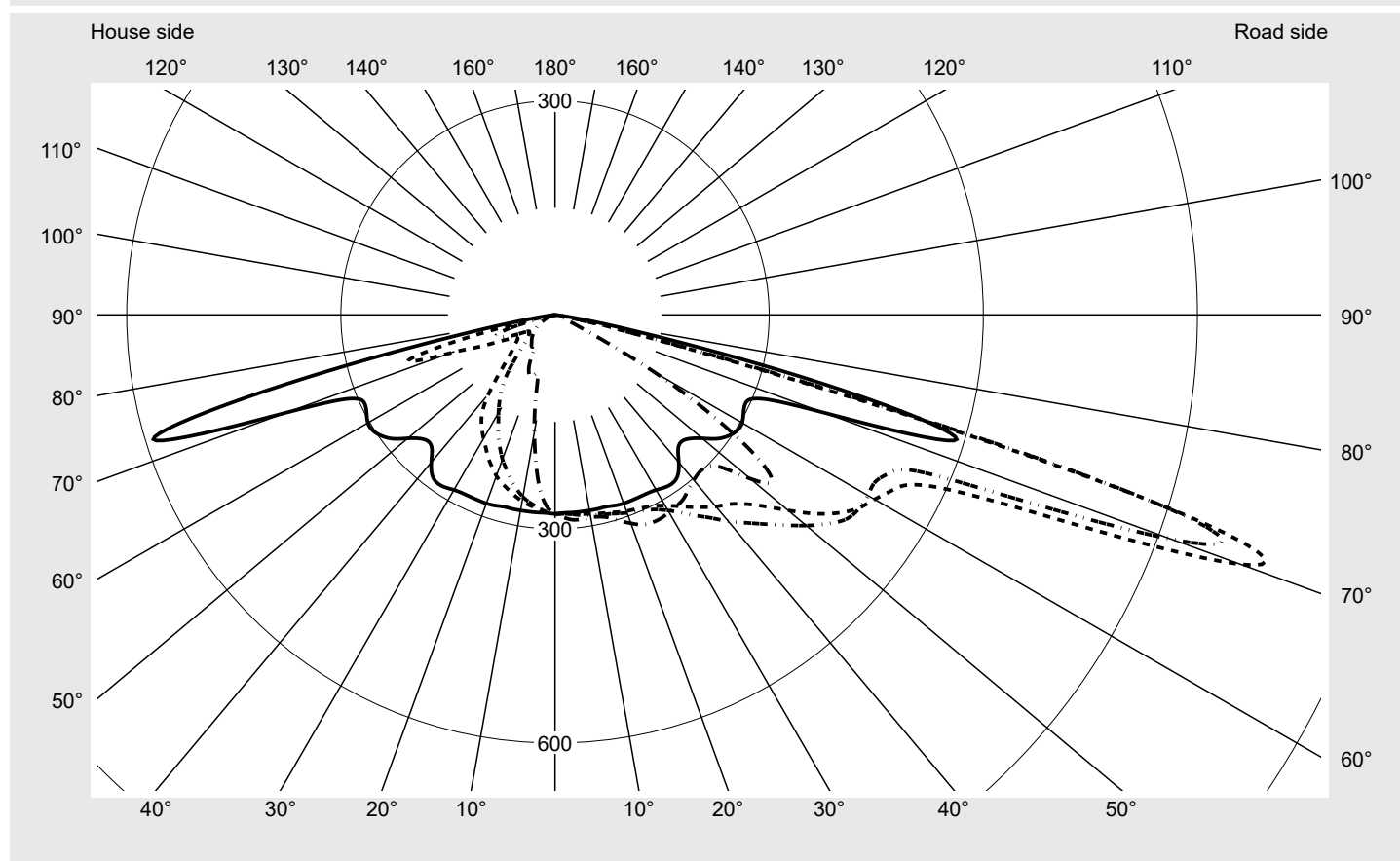
C180-0

C195-15

C200-20

C270-90

Imax: 1022 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:	G3
Imax 70°	1022.3
Imax 80°	56.2
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

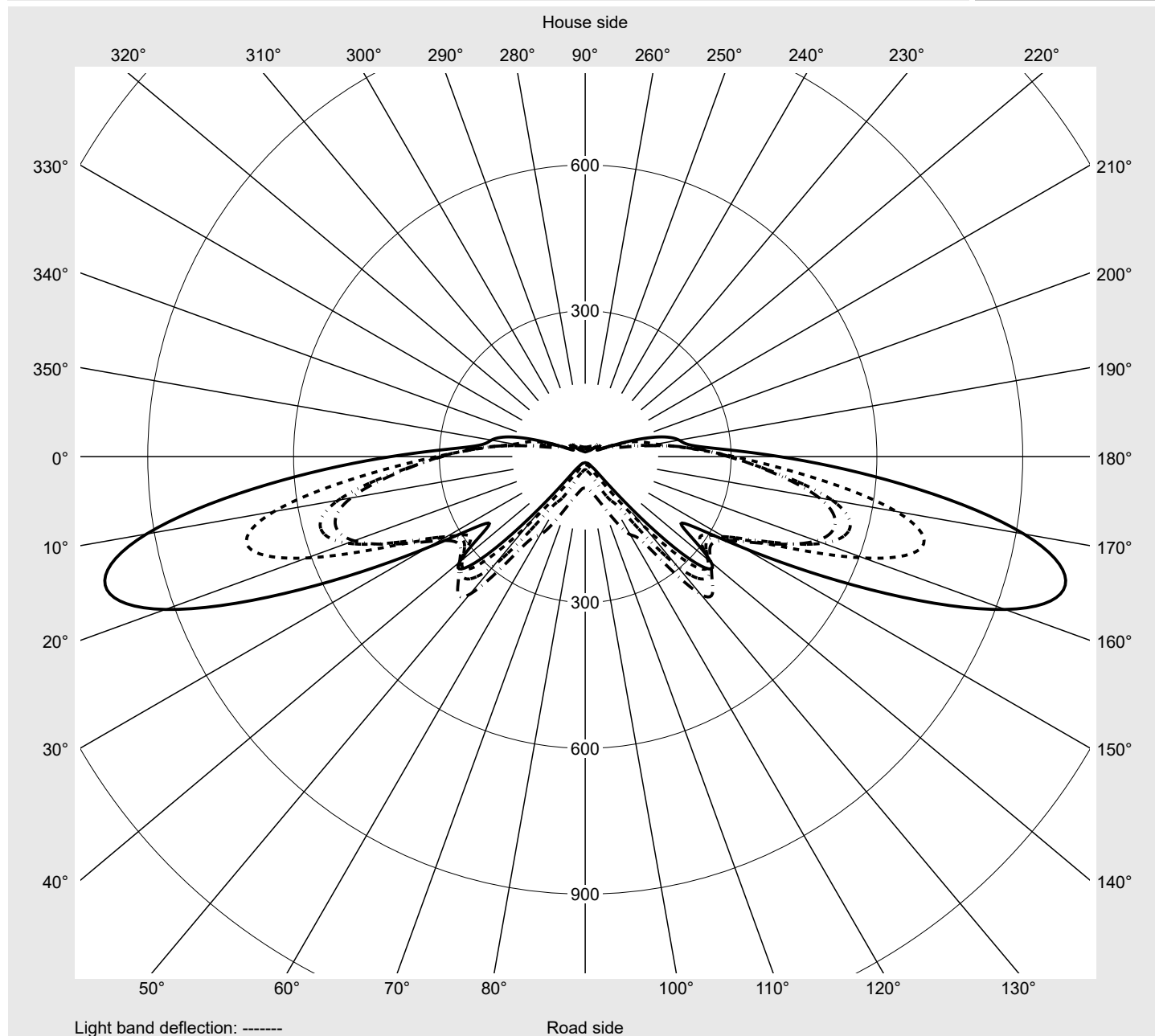
KMK 70°

KMK 67.5°

KMK 65°

KMK 62.5°

siteco



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Family Streetlight 21 midi LED	Order number: 5XE3R33R08MB EAN: 4069025163677	LP number 59535_105
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°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8
2,5°	277.9	277.8	278.3	278.5	279.1	279.5	279.7	280.3	281.1	281.1	281.8	282.0	282.5
5,0°	278.0	278.0	278.8	279.6	280.7	281.8	282.5	283.4	284.3	284.7	285.3	285.7	286.3
7,5°	278.2	278.8	279.7	281.6	283.0	284.3	285.2	285.8	286.5	286.6	286.8	287.0	287.2
10,0°	278.3	279.3	281.1	283.2	284.8	286.1	286.8	287.1	287.4	287.5	287.6	287.5	287.6
12,5°	278.4	280.6	282.9	285.1	287.1	288.1	288.1	288.3	288.6	288.3	288.2	288.3	288.1
15,0°	278.3	281.8	284.2	287.0	288.9	289.7	290.4	290.4	290.4	290.5	290.7	291.2	291.5
17,5°	280.1	284.2	287.0	289.9	291.8	292.6	293.2	293.3	294.2	295.6	296.5	297.9	299.1
20,0°	281.2	286.5	289.9	292.7	295.2	296.4	297.4	298.7	300.7	302.2	304.8	306.3	307.6
22,5°	281.2	288.0	291.8	294.7	298.0	300.7	303.7	306.7	309.6	312.0	314.3	316.4	318.0
25,0°	281.2	289.0	293.5	297.6	302.0	305.6	310.8	316.1	320.1	323.0	325.6	327.5	328.0
27,5°	281.6	290.6	296.3	301.5	307.4	313.2	319.9	326.8	332.3	336.2	338.0	338.5	336.9
30,0°	283.2	294.4	301.5	308.8	316.5	324.6	332.6	340.2	345.8	350.2	351.0	348.3	344.3
32,5°	286.5	299.7	308.4	317.7	328.5	340.0	349.8	357.0	362.1	365.5	364.2	358.0	349.5
35,0°	287.6	303.8	315.5	328.7	343.4	357.5	368.6	376.7	381.4	382.7	377.3	366.1	353.1
37,5°	282.8	302.1	319.8	339.7	358.7	375.8	388.1	395.7	398.9	396.8	386.6	370.4	354.4
40,0°	269.7	294.5	321.2	350.6	377.6	398.0	410.2	417.0	415.9	407.6	392.5	373.6	355.1
42,5°	255.3	287.6	322.7	360.0	395.2	420.8	432.6	434.9	428.7	414.1	394.4	373.9	354.4
45,0°	251.0	289.5	331.0	374.7	414.6	444.9	453.6	450.5	436.8	415.6	393.7	371.5	352.8
47,5°	256.6	303.0	350.2	396.9	436.1	462.6	468.6	458.1	439.5	412.5	387.5	369.7	355.1
50,0°	269.2	324.0	378.1	426.2	459.3	475.7	475.8	456.8	430.3	401.5	381.2	373.1	369.5
52,5°	285.2	346.9	408.8	457.5	481.0	483.4	467.9	440.5	409.6	388.7	382.1	388.8	404.4
55,0°	295.9	364.8	434.7	484.0	498.6	480.9	443.0	412.5	385.1	377.3	391.6	422.7	440.8
57,5°	302.2	378.2	457.4	504.1	505.0	463.7	409.7	376.6	362.7	372.1	410.7	405.5	386.0
60,0°	302.7	385.2	474.2	517.0	506.3	445.5	376.2	342.3	346.6	374.1	408.1	323.4	289.9
62,5°	297.6	389.4	489.3	532.5	506.1	424.7	345.6	316.1	337.3	370.1	369.8	228.7	185.2
65,0°	294.2	397.3	515.7	563.9	520.7	414.1	329.1	304.9	329.7	352.9	292.0	146.3	103.0
67,5°	306.5	462.0	650.1	717.4	609.4	431.9	331.0	288.1	329.0	319.8	183.6	76.0	42.3
70,0°	400.3	655.6	916.4	1022.3	919.1	647.3	374.3	240.7	338.2	282.9	84.5	28.5	20.0
72,5°	586.0	762.4	853.4	904.4	899.0	672.4	361.6	293.9	353.5	133.4	22.0	16.9	14.5
75,0°	449.7	381.0	325.6	308.5	339.8	261.0	278.4	408.8	241.2	30.0	14.0	12.7	10.9
77,5°	187.6	136.4	104.4	83.4	66.4	31.3	81.0	143.9	55.8	10.9	9.4	9.1	7.9
80,0°	56.2	38.7	28.1	20.2	12.5	7.1	6.9	10.5	5.9	5.4	6.4	5.7	5.0
82,5°	9.6	8.1	6.9	5.8	4.4	3.9	3.4	3.0	2.7	2.5	2.7	2.4	2.4
85,0°	2.7	2.5	2.3	2.2	1.9	1.7	1.6	1.6	1.3	1.3	1.2	1.1	1.0
87,5°	1.5	1.3	1.2	1.2	1.1	1.0	1.0	0.8	0.8	0.8	0.6	0.6	0.6
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°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8
2,5°	282.9	283.2	283.5	283.8	284.1	284.2	277.4	276.4	276.1	275.6	274.5	273.9	273.1
5,0°	286.6	287.0	287.2	287.6	288.0	288.3	277.0	274.5	272.6	270.8	268.5	266.3	264.1
7,5°	287.4	287.5	287.8	288.2	288.3	288.6	276.2	272.6	269.3	265.7	261.4	256.5	251.1
10,0°	287.2	287.1	287.2	287.7	288.3	288.1	275.3	270.3	265.0	258.9	250.7	242.0	231.8
12,5°	288.1	288.2	288.7	289.2	289.4	289.8	274.1	267.4	259.7	249.5	236.8	222.9	208.7
15,0°	292.0	292.1	292.7	293.8	294.2	294.4	273.1	264.3	253.4	238.6	221.3	203.4	184.9
17,5°	299.9	300.3	300.8	301.6	302.6	302.8	273.2	261.7	247.2	226.6	204.9	181.7	160.7
20,0°	308.0	308.8	309.2	309.9	310.3	310.8	273.2	259.9	240.1	215.4	188.9	162.4	139.4
22,5°	318.6	318.4	318.1	317.7	317.8	318.3	271.5	255.2	230.6	201.6	170.3	143.2	114.9
25,0°	327.4	325.7	323.3	321.8	320.7	321.2	269.5	249.4	221.2	187.9	153.1	121.8	90.5
27,5°	334.3	330.2	326.2	323.3	321.5	321.5	266.7	243.2	210.0	171.9	135.7	99.1	71.1
30,0°	339.2	333.1	326.9	322.2	319.5	319.3	265.3	237.9	200.2	158.3	118.4	79.9	62.3
32,5°	341.5	333.3	325.9	320.7	318.1	317.3	264.9	232.9	190.4	145.0	101.3	66.5	60.1
35,0°	342.5	333.9	325.9	318.9	315.1	314.2	263.0	225.7	179.7	131.6	85.9	59.6	60.6
37,5°	342.0	331.6	322.7	314.3	309.4	307.4	254.3	213.3	165.2	116.7	73.0	56.4	60.0
40,0°	340.1	328.2	319.5	310.6	304.4	302.4	235.8	192.1	144.6	99.3	62.9	54.2	57.1
42,5°	337.2	325.3	318.1	307.7	301.1	299.2	216.4	169.2	122.0	81.3	56.4	52.1	54.2
45,0°	337.1	325.6	317.5	309.4	303.1	301.1	203.9	150.0	103.2	66.2	51.0	50.1	52.0
47,5°	343.8	336.0	329.8	323.8	318.2	316.4	200.2	139.3	88.8	56.2	48.4	48.6	50.7
50,0°	367.8	368.7	368.6	364.8	359.1	357.0	204.6	135.1	79.1	49.7	47.4	49.0	50.6
52,5°	419.9	422.4	412.8	399.2	386.2	382.4	211.0	133.0	72.3	46.2	47.5	49.5	49.6
55,0°	424.6	395.0	374.2	359.3	344.6	341.1	216.4	132.7	66.2	43.9	45.5	46.9	45.5
57,5°	353.8	310.6	285.4	270.3	259.7	257.6	218.5	130.4	61.9	43.1	41.0	41.0	39.3
60,0°	250.3	204.6	182.6	173.4	165.1	161.8	217.0	129.2	64.3	47.9	38.9	36.0	36.2
62,5°	145.5	108.8	86.7	74.0	66.0	64.6	214.2	129.0	73.8	58.1	41.2	33.5	34.8
65,0°	67.5	45.0	35.7	31.3	27.6	26.8	210.1	133.0	90.9	71.2	45.1	31.9	34.7
67,5°	26.8	20.8	18.5	17.5	16.8	16.4	208.5	148.3	118.6	81.6	45.1	29.9	33.7
70,0°	16.2	14.4	13.8	13.2	12.7	12.3	236.4	195.9	156.6	87.0	37.9	28.1	32.3
72,5°	12.8	11.4	10.8	10.2	9.6	9.4	409.6	322.7	215.6	78.7	30.0	27.9	29.6
75,0°	9.7	8.6	7.9	7.5	7.1	7.0	414.6	266.9	148.4	43.3	26.7	27.7	25.5
77,5°	6.7	5.8	5.3	5.0	4.7	4.6	158.3	92.5	50.4	16.7	18.7	22.5	20.1
80,0°	4.0	3.5	3.0	2.9	2.7	2.7	44.1	27.3	12.5	8.6	10.0	12.3	11.7
82,5°	2.2	2.1	1.8	1.8	1.7	1.7	10.0	6.4	4.8	4.8	5.1	5.3	5.2
85,0°	1.0	1.0	1.0	0.8	0.8	1.0	2.8	2.8	2.8	2.7	2.5	2.4	2.2
87,5°	0.6	0.6	0.5	0.5	0.5	0.5	1.5	1.5	1.5	1.5	1.3	1.3	1.3
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: 5XE3R33R08MB EAN: 4069025163677								LP number 59535_105			
Table of values for luminous intensities												Maximum luminous intensity		sīteco	
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°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	0.4	0.4		
2,5°	272.2	271.8	271.0	270.4	269.8	269.5	269.2	268.7	268.6	268.6	268.5	3.3	3.7		
5,0°	261.5	258.9	256.5	253.9	251.4	249.4	247.6	246.1	245.0	244.4	244.3	6.5	10.2		
7,5°	244.8	238.5	232.3	226.9	221.6	217.2	213.5	210.6	208.6	207.3	206.8	9.4	19.6		
10,0°	221.4	211.9	203.1	194.5	186.1	179.5	174.5	171.0	168.5	167.1	166.7	12.0	31.6		
12,5°	195.0	181.2	169.8	160.0	151.3	144.4	138.5	134.0	131.0	128.9	128.4	14.2	45.8		
15,0°	167.9	153.5	140.2	128.2	117.7	109.1	102.7	98.6	95.9	94.7	94.3	16.3	62.0		
17,5°	142.2	124.6	108.6	95.7	87.6	83.9	83.1	83.8	84.7	85.5	85.9	18.4	80.4		
20,0°	116.6	96.4	83.1	78.2	78.6	81.3	84.5	87.3	89.3	90.3	90.9	20.8	101.2		
22,5°	89.5	75.2	72.6	76.0	80.9	85.1	88.4	90.5	91.6	91.8	92.2	23.2	124.4		
25,0°	71.4	68.6	73.3	79.7	85.5	88.8	90.0	89.7	88.7	87.4	87.1	25.6	150.0		
27,5°	64.7	70.1	78.6	86.0	89.6	90.0	87.9	84.8	81.5	78.7	77.4	28.0	178.0		
30,0°	64.8	74.0	83.0	87.6	87.7	84.1	78.9	73.3	68.2	64.5	62.9	30.3	208.3		
32,5°	67.5	77.3	83.7	84.9	81.4	75.6	69.2	63.0	57.6	53.9	52.5	32.7	241.0		
35,0°	69.5	77.5	81.3	79.5	74.6	69.1	63.6	59.6	56.8	55.4	54.7	35.2	276.2		
37,5°	66.9	72.0	72.9	70.1	66.3	64.1	63.0	61.0	57.8	55.1	54.2	37.4	313.5		
40,0°	61.1	63.3	62.3	60.6	62.2	62.0	58.2	55.0	53.0	51.5	51.0	39.1	352.7		
42,5°	56.2	56.2	55.5	58.5	59.0	54.9	52.9	51.4	50.1	49.0	48.4	40.8	393.5		
45,0°	53.0	52.6	55.5	57.6	52.9	50.7	49.0	47.7	46.7	46.0	45.7	42.7	436.2		
47,5°	51.0	53.0	57.0	52.2	48.3	46.4	45.0	44.0	43.2	42.7	42.6	45.2	481.4		
50,0°	50.3	54.8	53.7	46.7	43.9	42.3	41.2	40.5	39.8	39.4	39.2	48.5	529.9		
52,5°	49.2	54.1	48.4	42.2	39.7	38.5	37.5	36.4	35.8	35.3	35.3	52.1	582.0		
55,0°	47.2	51.3	42.8	37.7	35.7	34.3	33.3	32.8	32.2	31.9	31.9	53.0	634.9		
57,5°	46.8	46.6	37.7	33.1	31.7	30.7	29.9	29.5	29.0	28.8	28.8	50.6	685.5		
60,0°	45.6	41.7	32.2	29.5	28.5	27.6	26.4	25.5	24.7	24.2	24.2	46.4	731.9		
62,5°	43.5	35.8	28.2	26.2	24.8	23.3	21.9	20.9	20.2	19.7	19.8	41.6	773.6		
65,0°	39.3	31.9	24.7	22.4	20.8	19.0	17.8	17.1	16.4	16.2	16.2	38.9	812.4		
67,5°	35.7	27.6	20.9	18.1	16.8	15.5	14.4	13.8	13.5	13.3	13.3	40.2	852.7		
70,0°	31.4	23.6	17.7	15.1	13.8	12.3	11.5	10.8	10.3	9.9	9.7	49.7	902.3		
72,5°	26.8	19.7	14.6	12.0	10.5	9.1	8.2	7.7	7.3	6.8	6.8	52.1	954.4		
75,0°	22.1	15.8	11.6	9.2	7.7	6.8	5.8	5.3	4.8	4.6	4.6	30.6	985.0		
77,5°	16.3	11.4	8.2	6.4	5.3	4.4	3.7	3.1	2.9	2.7	2.7	10.4	995.4		
80,0°	9.8	6.7	5.0	4.0	3.1	2.5	2.1	1.7	1.3	1.0	1.0	2.9	998.4		
82,5°	4.5	3.5	2.8	2.1	1.6	1.3	1.1	1.0	0.7	0.6	0.5	1.0	999.3		
85,0°	1.9	1.7	1.5	1.1	0.8	0.8	0.7	0.6	0.5	0.5	0.5	0.4	999.8		
87,5°	1.2	1.1	0.8	0.8	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.2	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		

office	industry	traffic	retail	public	sports
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Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3R33R08MB EAN: 4069025163677	LP number 59535_105
Dimming levels table		environmental temperature: 25°C
		sit eco

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	15870	136.0	142.3	139.2
95	237	251	15056	126.7	132.6	129.6
90	221	249	14262	118.2	123.6	120.9
85	206	246	13489	110.2	115.3	112.8
80	191	244	12686	102.3	106.9	104.6
75	177	241	11914	94.9	99.2	97.1
70	163	238	11123	87.7	91.5	89.6
65	149	234	10303	80.3	83.9	82.1
60	136	231	9519	73.7	76.8	75.2
55	123	227	8715	67.0	69.8	68.4
50	111	224	7954	60.8	63.4	62.1
45	98	219	7110	54.2	56.5	55.4
40	87	215	6375	48.7	50.7	49.7
35	75	209	5560	42.5	44.2	43.4
30	63	203	4728	36.5	37.9	37.2
25	52	196	3950	30.9	32.1	31.5
20	41	187	3155	25.5	26.4	26.0
15	30	176	2345	20.0	20.7	20.4
13	27	172	2122	18.5	19.1	18.8

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	16410	137.5	143.9	140.7
95	238	252	15587	128.6	134.7	131.6
90	223	249	14794	120.6	126.1	123.4
85	208	247	13975	112.6	117.8	115.2
80	193	244	13132	104.6	109.3	107.0
75	179	241	12324	97.2	101.5	99.4
70	165	238	11501	89.8	93.7	91.8
65	151	235	10650	82.4	86.1	84.2
60	138	232	9840	75.6	79.0	77.3
55	125	228	9012	68.9	71.9	70.4
50	113	224	8230	62.7	65.3	64.0
45	100	220	7366	56.0	58.3	57.2
40	88	215	6547	49.9	51.9	50.9
35	76	210	5715	43.6	45.4	44.5
30	65	204	4938	38.0	39.5	38.8
25	53	197	4076	31.9	33.1	32.5
20	42	188	3270	26.4	27.4	26.9
15	31	177	2449	20.9	21.5	21.2
13	27	172	2147	18.8	19.5	19.2

Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3R33R08MB EAN: 4069025163677	LP number 59535_105
Dimming levels table		environmental temperature: 15°C
		siteco

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	16160	136.7	143.1	139.9
95	238	252	15364	127.9	133.9	130.9
90	222	249	14543	119.4	124.9	122.2
85	207	247	13747	111.3	116.5	113.9
80	192	244	12922	103.4	108.1	105.8
75	178	241	12131	96.0	100.3	98.2
70	164	238	11322	88.7	92.6	90.6
65	150	235	10488	81.4	85.0	83.2
60	137	231	9688	74.6	77.9	76.2
55	124	228	8871	67.9	70.8	69.4
50	112	224	8099	61.7	64.4	63.0
45	99	219	7244	55.1	57.4	56.2
40	87	215	6433	49.0	51.0	50.0
35	76	210	5677	43.3	45.1	44.2
30	64	204	4837	37.2	38.7	38.0
25	53	197	4053	31.7	32.9	32.3
20	42	188	3253	26.2	27.1	26.6
15	31	177	2436	20.7	21.3	21.0
13	27	172	2137	18.7	19.3	19.0

Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3R33R08MB EAN: 4069025163677	LP number 59535_105
Luminousfluxs table		siteco

Temperature °C	Luminous flux lm	Power consumption W
25.0	15870.0	136.0
5.0	16410.0	137.5
15.0	16160.0	136.7