

Photometric test report

Family
Streetlight 21 mini LED



Order number: 5XE2R33T08JB
EAN: 4069025149664

Version

Optic

Cover

Lamps

Controlgear

Rated values

post-top or side-entry mounting, Smart Interface up/down

asymmetric, extremely wide distribution (P0.8a G), Back Light Control (BLC)

toughened safety glass

LED 3000 K | CRI ≥ 70

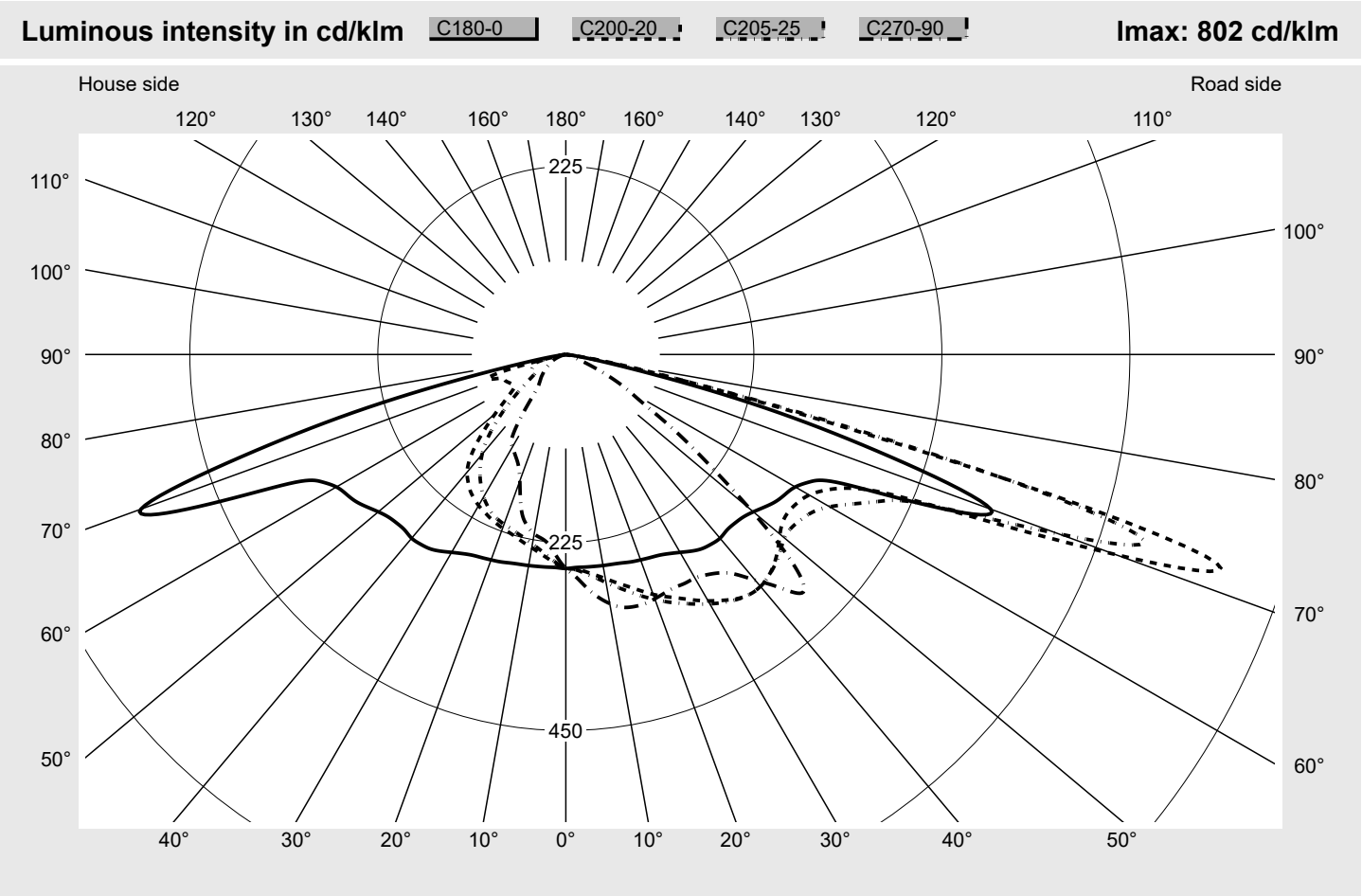
EVG-Smart Interface

Net luminous flux = 11230 lm
Power consumption = 88.6 W
Luminous efficacy = 126.7 lm/W

LP number
59538_527

serial
documentation
22.10.2024

siteco



Luminaire output ratios		Luminous intensity class acc. to EN13201-2	
Eta	100.0%	Class:	G3
Eta 0° - 90°	100.0%	Imax 70°	699.8
Eta 90° - 180°	0.0%	Imax 80°	48.9
		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 mini LED

Order number: **5XE2R33T08JB**
EAN: **4069025149664**

LP number
59538_527

Envelope curve in cd/klm

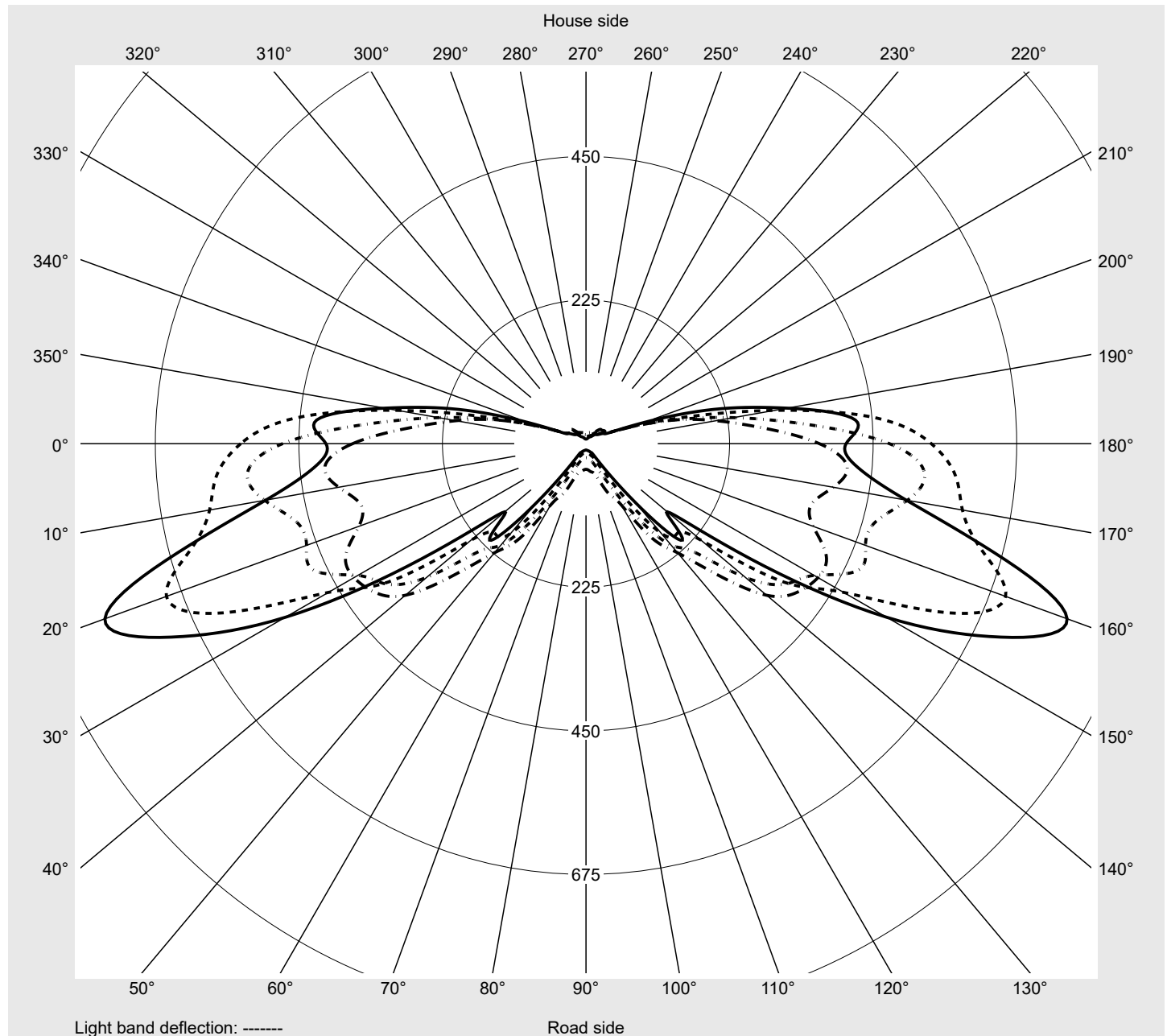
KMK 72,5°

KMK 70°

KMK 67,5°

KMK 65°

siteco



Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2R33T08JB EAN: 4069025149664	LP number 59538_527
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°	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1
2,5°	255.3	255.8	256.2	256.7	257.1	257.7	258.2	259.1	260.2	260.9	261.9	262.7	263.5
5,0°	255.4	256.0	256.7	258.2	260.6	263.0	265.0	267.2	269.2	270.8	272.6	274.1	275.5
7,5°	255.8	256.5	258.8	262.3	266.0	269.3	272.5	275.5	278.7	281.2	283.2	285.3	287.1
10,0°	256.4	258.2	262.5	267.4	272.2	277.0	280.9	284.5	288.5	291.7	293.9	296.0	297.8
12,5°	257.1	260.9	266.8	273.2	279.7	285.3	290.3	294.6	298.1	301.2	303.7	305.6	306.7
15,0°	258.3	264.2	271.8	280.0	287.4	293.9	299.5	303.5	306.9	309.1	310.8	311.9	312.4
17,5°	260.2	268.3	277.9	287.3	296.2	303.2	308.2	312.5	314.9	316.4	317.2	317.3	316.9
20,0°	261.6	272.9	284.4	295.3	305.5	312.0	317.0	319.8	321.2	321.9	321.7	320.7	318.8
22,5°	263.1	277.0	290.3	303.3	313.7	320.7	324.6	326.8	327.1	326.4	324.8	322.4	319.7
25,0°	265.0	281.9	297.1	311.8	321.9	328.6	332.3	333.7	333.0	330.6	327.4	324.0	320.7
27,5°	268.6	288.3	306.1	321.3	331.3	336.7	339.1	339.5	337.5	333.9	329.6	324.8	321.6
30,0°	273.4	296.2	316.3	331.6	340.5	344.6	345.4	344.5	341.6	337.2	332.0	327.5	323.8
32,5°	279.0	304.5	326.5	341.2	348.9	351.8	351.2	348.6	344.6	339.9	335.3	331.3	328.2
35,0°	283.7	312.2	336.3	351.1	356.8	357.7	355.9	351.8	347.5	343.8	340.9	338.8	336.1
37,5°	286.0	316.7	341.7	356.3	361.7	361.7	358.7	354.3	350.4	348.5	348.6	348.6	346.9
40,0°	287.0	320.2	345.2	358.6	362.5	362.3	359.1	356.2	355.0	355.8	360.4	364.2	362.1
42,5°	285.2	320.5	345.2	356.6	359.3	359.4	357.7	358.0	360.8	366.6	375.3	381.6	382.2
45,0°	285.7	320.8	343.5	351.3	353.0	354.6	355.8	360.2	369.0	380.9	393.4	402.6	408.6
47,5°	288.0	322.1	341.1	344.6	344.3	348.1	356.0	368.0	382.4	400.3	415.5	427.5	433.5
50,0°	292.9	325.0	338.7	336.5	334.5	341.6	358.1	378.1	396.9	417.8	434.4	441.6	427.3
52,5°	299.8	329.7	337.4	330.5	327.7	340.5	363.0	389.7	411.7	431.2	433.9	412.3	374.4
55,0°	306.7	334.2	337.1	326.9	326.4	344.1	371.1	403.3	424.1	433.0	402.1	355.6	306.8
57,5°	311.3	338.1	337.2	325.8	329.4	350.7	382.2	417.7	428.2	420.6	361.9	294.3	250.8
60,0°	317.1	344.9	339.9	328.5	336.3	364.5	398.6	425.7	422.2	393.2	312.0	249.9	207.3
62,5°	329.8	361.2	352.4	337.4	351.3	387.3	415.1	423.8	402.5	347.1	258.8	209.0	152.8
65,0°	365.7	410.8	393.4	366.1	378.8	415.5	419.8	405.2	369.7	289.8	223.3	181.2	111.5
67,5°	475.5	532.7	511.4	470.6	466.2	470.3	412.9	383.3	326.1	240.4	207.7	145.1	77.1
70,0°	541.1	581.5	599.1	641.5	699.8	627.4	466.2	377.8	235.4	200.6	183.3	93.1	32.6
72,5°	407.6	427.6	509.6	664.1	802.4	717.3	544.2	314.9	166.3	213.7	120.9	30.9	16.2
75,0°	246.2	264.5	277.6	328.6	402.1	429.8	318.1	215.1	231.4	176.6	43.4	14.0	11.6
77,5°	93.3	138.1	128.7	130.6	145.2	140.9	88.4	120.4	200.4	113.6	14.2	10.2	8.3
80,0°	29.0	40.6	45.8	48.4	48.9	39.2	14.5	19.3	31.3	15.5	8.5	6.2	5.1
82,5°	7.0	8.7	10.9	12.4	6.5	13.3	5.2	3.5	4.0	2.8	2.9	2.7	2.5
85,0°	2.5	2.4	2.2	2.0	2.0	2.0	1.6	1.5	1.3	1.3	1.3	1.0	1.0
87,5°	1.3	1.3	1.3	1.1	1.0	1.0	0.9	0.8	0.8	0.7	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

Photometric test report

Family Streetlight 21 mini LED		Order number: 5XE2R33T08JB EAN: 4069025149664										LP number 59538_527	
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°	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1
2,5°	264.1	264.7	265.0	265.5	265.8	266.0	254.1	252.7	252.0	251.3	249.9	248.7	247.5
5,0°	276.5	277.4	278.2	279.0	279.4	279.6	252.9	250.3	247.5	245.1	242.6	240.3	238.0
7,5°	288.6	289.8	290.7	291.5	292.1	292.5	252.2	247.5	243.3	239.7	235.8	232.7	230.1
10,0°	299.2	300.1	301.2	302.0	302.6	302.6	251.6	245.2	239.6	234.8	230.3	226.7	224.1
12,5°	307.5	308.1	308.7	309.4	309.6	309.8	251.8	243.7	236.5	230.9	225.4	222.3	220.0
15,0°	312.3	312.0	312.2	312.5	312.5	312.5	252.3	242.2	234.1	226.9	221.9	218.5	216.3
17,5°	315.9	314.3	313.4	313.1	312.8	312.9	252.5	240.7	231.1	223.7	218.6	215.3	212.6
20,0°	316.9	314.9	313.3	311.8	311.3	311.2	252.9	239.7	228.7	221.2	216.2	212.2	207.6
22,5°	317.2	314.1	311.8	310.2	309.1	308.9	252.5	237.9	226.0	218.4	213.4	208.2	200.7
25,0°	317.2	314.4	311.8	309.4	307.8	307.7	252.2	235.8	223.1	215.4	209.5	201.4	194.1
27,5°	318.6	315.5	312.6	310.2	308.7	308.7	252.3	234.2	220.7	211.9	203.6	193.1	183.9
30,0°	320.9	318.1	314.3	311.1	309.3	308.9	254.6	234.1	218.7	208.7	196.9	183.9	171.6
32,5°	325.2	322.1	318.3	315.3	313.4	312.7	256.0	233.4	216.4	204.3	188.2	171.8	154.5
35,0°	333.0	329.2	325.4	322.1	319.9	319.2	258.1	233.4	214.1	199.3	179.0	157.4	134.1
37,5°	343.1	339.8	336.7	333.6	331.9	331.1	256.3	230.9	210.2	192.2	168.0	141.7	114.8
40,0°	360.0	358.4	357.7	354.8	353.2	352.5	254.2	226.4	204.5	183.7	155.9	124.9	99.4
42,5°	383.8	385.0	385.3	381.7	379.0	378.1	249.1	218.4	193.8	170.3	140.9	110.7	86.3
45,0°	412.5	413.9	412.7	407.8	403.4	402.0	244.4	208.8	179.6	151.5	122.7	97.5	74.3
47,5°	431.9	419.1	401.0	382.9	370.4	366.1	243.2	201.6	166.1	130.5	103.5	85.3	64.9
50,0°	396.5	359.5	329.9	307.1	292.2	288.0	247.0	199.5	154.8	110.5	84.9	72.4	57.4
52,5°	326.1	280.0	250.8	231.5	218.8	215.0	251.4	198.7	147.9	93.2	68.1	60.2	52.1
55,0°	257.8	216.1	191.0	175.0	163.6	160.6	257.4	200.1	143.2	80.9	54.9	50.5	49.7
57,5°	209.3	172.2	145.8	127.8	116.2	112.4	260.4	199.2	139.4	73.0	45.5	44.0	46.7
60,0°	162.7	129.1	107.8	95.3	88.6	87.0	260.2	198.1	139.8	72.6	42.0	38.5	42.9
62,5°	121.1	93.2	79.2	72.8	66.6	64.1	261.6	198.3	141.4	74.7	43.1	36.4	39.2
65,0°	88.5	62.5	47.9	44.8	41.5	40.3	279.6	207.0	143.0	77.4	44.2	35.7	35.2
67,5°	45.4	31.8	26.8	24.3	22.6	22.2	347.1	234.7	143.9	79.3	43.6	33.8	31.5
70,0°	21.6	17.7	16.0	15.3	14.5	14.2	458.1	300.3	160.0	82.8	41.8	33.2	28.4
72,5°	13.7	12.2	11.3	10.7	10.2	10.0	423.8	320.2	207.5	97.4	41.2	31.7	25.8
75,0°	10.1	9.0	8.1	7.7	7.2	7.2	209.9	193.5	168.4	77.5	35.6	28.6	23.1
77,5°	7.0	6.1	5.4	5.1	4.7	4.6	67.8	68.8	55.1	23.2	21.9	22.0	18.9
80,0°	4.1	3.7	3.2	2.9	2.8	2.8	19.2	18.9	14.7	9.8	10.9	12.8	12.6
82,5°	2.3	2.1	1.9	1.7	1.6	1.7	5.4	5.0	4.9	5.3	5.5	6.3	6.2
85,0°	1.0	1.0	0.9	0.8	0.8	0.8	2.5	2.6	2.7	2.7	2.7	2.5	2.3
87,5°	0.6	0.5	0.4	0.4	0.4	0.4	1.3	1.5	1.5	1.5	1.4	1.4	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

Photometric test report

Family Streetlight 21 mini LED				Order number: 5XE2R33T08JB EAN: 4069025149664								LP number 59538_527			
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°	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	0.4	0.4		
2,5°	246.5	245.9	245.1	244.3	243.7	243.5	243.2	242.8	242.7	242.6	242.6	3.0	3.4		
5,0°	235.9	234.5	233.1	231.7	230.7	230.0	229.4	228.9	228.8	228.9	228.8	6.1	9.5		
7,5°	227.6	226.1	224.9	223.7	222.9	222.6	222.1	222.1	222.1	222.1	222.1	9.1	18.6		
10,0°	222.0	220.7	219.9	219.3	218.8	218.6	218.4	218.3	218.2	218.1	218.1	12.2	30.8		
12,5°	218.2	217.1	216.1	215.2	214.2	213.1	211.9	211.4	211.0	210.6	210.7	15.3	46.1		
15,0°	214.8	212.9	210.8	208.0	205.7	204.0	202.3	201.1	200.4	200.0	199.9	18.3	64.4		
17,5°	209.5	205.5	202.2	199.0	195.7	192.5	188.9	185.6	183.2	181.5	180.9	21.2	85.6		
20,0°	202.1	198.0	193.3	188.5	182.0	175.6	170.1	166.1	163.3	161.6	161.0	23.8	109.5		
22,5°	194.9	188.8	182.1	173.1	165.0	158.5	153.6	150.5	148.6	147.4	147.0	26.4	135.8		
25,0°	186.5	177.8	167.1	157.6	150.1	145.3	142.3	140.5	139.5	138.9	138.8	28.9	164.7		
27,5°	174.2	161.1	149.5	141.3	136.2	133.3	132.5	132.7	132.9	132.8	132.9	31.3	196.0		
30,0°	156.2	142.0	131.9	125.7	123.8	123.9	124.9	126.0	126.9	127.3	127.5	33.6	229.6		
32,5°	135.4	121.4	112.6	109.8	110.7	114.2	118.5	121.7	121.8	121.3	121.0	35.8	265.4		
35,0°	114.0	99.7	92.6	93.1	99.5	105.7	107.7	106.6	103.5	100.4	99.0	37.8	303.2		
37,5°	94.9	80.9	76.9	81.3	86.7	87.6	84.6	80.5	76.5	73.4	72.1	39.4	342.6		
40,0°	79.0	67.7	66.9	70.7	70.9	68.6	66.0	62.0	57.9	55.1	54.0	41.4	383.9		
42,5°	67.7	60.7	61.9	61.8	61.0	59.2	55.0	51.3	49.1	47.7	47.2	43.6	427.6		
45,0°	60.1	58.1	57.9	56.8	55.7	51.4	47.8	45.6	44.2	43.4	43.1	46.0	473.6		
47,5°	56.2	56.3	54.5	54.0	50.0	45.6	43.0	41.3	40.4	39.9	39.7	47.5	521.1		
50,0°	54.3	53.5	52.3	49.5	44.0	40.7	38.7	37.2	36.5	36.0	35.9	46.9	568.0		
52,5°	53.7	50.6	49.0	44.4	39.0	36.3	34.6	33.7	33.1	32.8	32.8	45.3	613.2		
55,0°	52.1	46.9	44.8	38.9	34.5	32.5	31.1	30.3	29.8	29.5	29.6	43.5	656.8		
57,5°	46.5	42.6	39.5	33.8	30.7	28.8	27.2	26.5	26.2	25.9	26.0	41.9	698.7		
60,0°	41.1	38.6	35.1	29.5	26.9	25.3	24.1	23.7	23.2	23.0	23.0	40.6	739.3		
62,5°	36.4	35.1	30.1	25.4	23.4	22.0	21.3	20.8	20.3	20.1	20.1	39.5	778.8		
65,0°	32.6	31.7	25.8	21.6	20.4	19.1	18.5	17.8	17.3	17.0	17.0	39.3	818.1		
67,5°	28.8	27.9	22.6	18.5	17.3	16.3	15.5	14.9	14.3	14.0	13.9	42.2	860.3		
70,0°	25.5	24.4	19.6	15.9	14.8	13.8	12.9	12.0	11.2	10.8	10.7	47.5	907.8		
72,5°	21.9	20.1	16.4	13.5	12.2	10.9	9.5	8.3	7.6	7.2	7.2	45.6	953.4		
75,0°	18.4	15.9	13.0	10.7	9.3	8.6	6.7	5.6	5.1	4.8	4.8	28.3	981.6		
77,5°	14.5	11.7	9.1	7.2	6.3	6.0	4.2	3.4	2.9	2.7	2.7	12.7	994.3		
80,0°	10.2	7.7	5.5	4.4	3.9	3.5	2.5	1.8	1.4	1.1	1.0	3.8	998.2		
82,5°	5.4	4.1	3.0	2.3	1.8	1.6	1.3	1.0	0.8	0.6	0.4	1.2	999.3		
85,0°	2.1	1.8	1.5	1.2	0.9	0.8	0.6	0.6	0.4	0.4	0.3	0.4	999.8		
87,5°	1.1	1.0	0.9	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.3	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
--------	----------	---------	--------	--------	--------

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2R33T08JB EAN: 4069025149664	LP number 59538_527
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	11230	88.6	91.7	90.2
95	239	252	10669	83.1	86.0	84.6
90	224	249	10102	77.7	80.4	79.1
85	210	247	9561	72.6	75.1	73.8
80	195	244	8972	67.4	69.5	68.4
75	181	242	8405	62.7	64.7	63.7
70	168	239	7866	58.4	60.3	59.4
65	154	236	7279	53.7	55.4	54.6
60	141	232	6726	49.2	50.9	50.0
55	128	229	6159	44.8	46.3	45.6
50	116	225	5627	40.6	42.0	41.3
45	103	221	5042	36.1	37.3	36.7
40	91	216	4494	32.2	33.2	32.7
35	79	211	3936	28.3	29.1	28.7
30	67	205	3371	24.3	25.0	24.6
25	55	198	2797	20.3	20.9	20.6
20	44	190	2264	16.5	17.0	16.8
15	32	178	1675	12.1	12.5	12.3
14	31	177	1626	11.8	12.1	12.0

Dimming levels table		environmental temperature: 5°C				
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	11550	89.7	92.8	91.2
95	239	252	10961	84.2	87.1	85.6
90	225	250	10405	79.0	81.8	80.4
85	210	247	9798	73.5	76.1	74.8
80	196	245	9225	68.7	70.8	69.8
75	183	242	8678	64.3	66.3	65.3
70	169	239	8078	59.5	61.5	60.5
65	156	236	7515	55.1	56.9	56.0
60	143	233	6944	50.6	52.2	51.4
55	130	229	6363	46.1	47.6	46.8
50	117	226	5771	41.6	43.0	42.3
45	105	222	5220	37.4	38.6	38.0
40	92	217	4612	33.0	34.0	33.5
35	80	212	4044	29.0	29.9	29.4
30	68	206	3468	25.0	25.8	25.4
25	56	199	2884	20.9	21.6	21.2
20	44	190	2294	16.8	17.3	17.0
15	33	179	1746	12.8	13.2	13.0
14	31	177	1645	12.0	12.4	12.2

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2R33T08JB EAN: 4069025149664	LP number 59538_527
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	11410	89.1	92.2	90.6
95	239	252	10834	83.6	86.5	85.0
90	224	249	10251	78.2	80.9	79.6
85	210	247	9697	73.1	75.6	74.4
80	196	245	9134	68.2	70.3	69.2
75	182	242	8555	63.6	65.5	64.6
70	169	239	8006	59.1	61.1	60.1
65	155	236	7408	54.4	56.1	55.2
60	142	233	6846	49.9	51.5	50.7
55	129	229	6270	45.4	47.0	46.2
50	116	225	5685	40.9	42.3	41.6
45	104	221	5138	36.8	38.0	37.4
40	92	217	4583	32.7	33.8	33.2
35	79	211	3972	28.5	29.3	28.9
30	67	205	3400	24.5	25.2	24.8
25	56	199	2869	20.8	21.4	21.1
20	44	190	2283	16.7	17.2	17.0
15	32	178	1688	12.2	12.6	12.4
14	31	177	1638	11.9	12.2	12.0

Photometric test report

Family Streetlight 21 mini LED	Order number: 5XE2R33T08JB EAN: 4069025149664	LP number 59538_527
Luminousfluxs table		siteco

Temperature °C	Luminous flux lm	Power consumption W
25.0	11230.0	88.6
5.0	11550.0	89.7
15.0	11410.0	89.1