
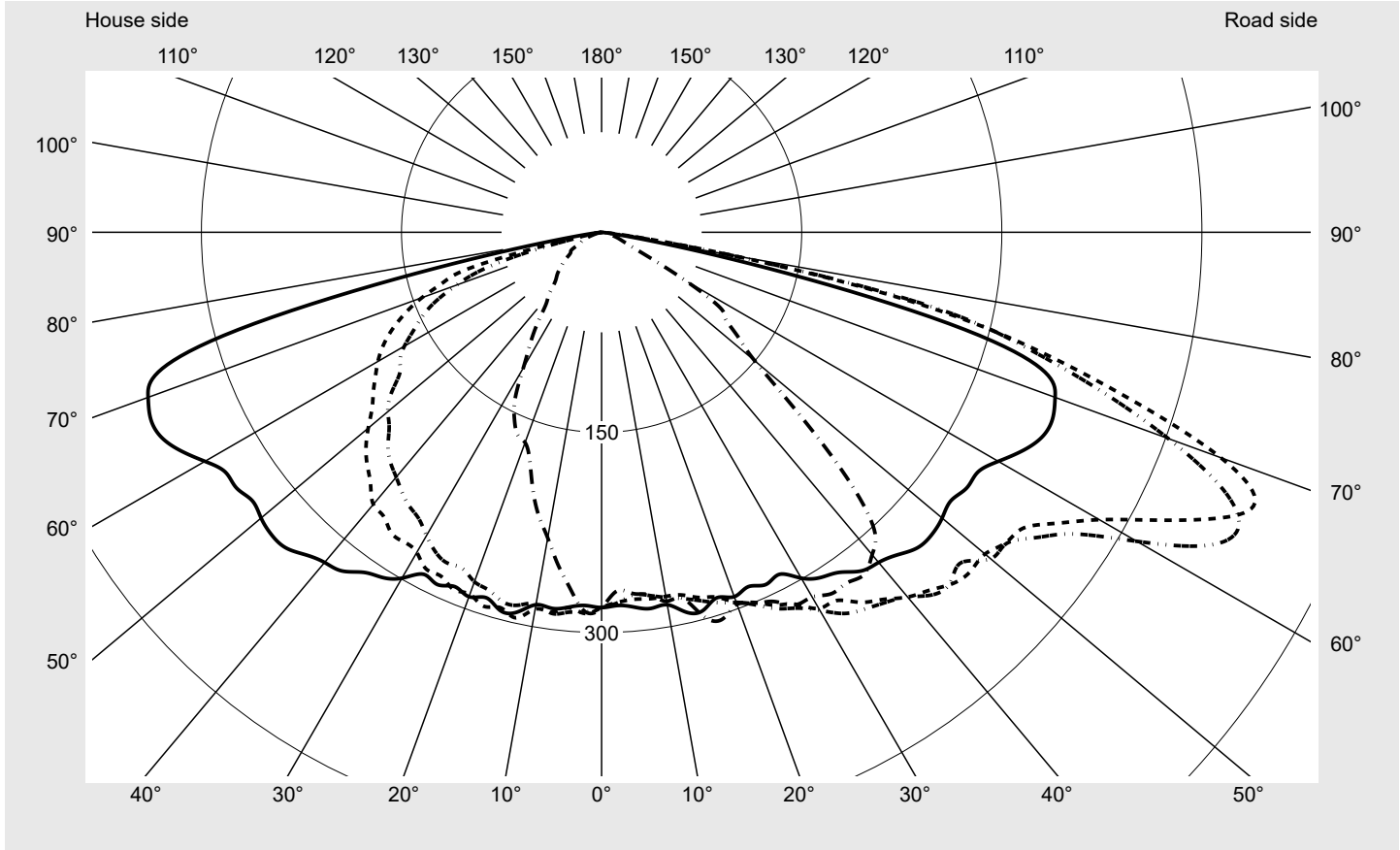


# Photometric test report

<b>Family</b> <b>Streetlight 21 midi LED</b>	<b>Order number: 5XE3M33R08NB</b> <b>EAN: 4058352683071</b>	<b>LP number</b> <b>59158_101</b>
	<b>Version</b> post-top or side-entry mounting, Smart Interface down <b>Optic</b> asymmetric, wide distribution (ST1.0a G), Back Light Control (BLC) <b>Cover</b> toughened safety glass <b>Lamps</b> LED 3000 K   CRI ≥ 70 <b>Controlgear</b> EVG-Smart Interface <b>Rated values</b> Net luminous flux = 19980 lm Power consumption = 151.2 W Luminous efficacy = 132.1 lm/W	<b>serial documentation</b> <b>23.08.2022</b>



**Luminous intensity in cd/klm** C180-0 C195-15 C200-20 C270-90 **Imax: 530 cd/klm**



Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

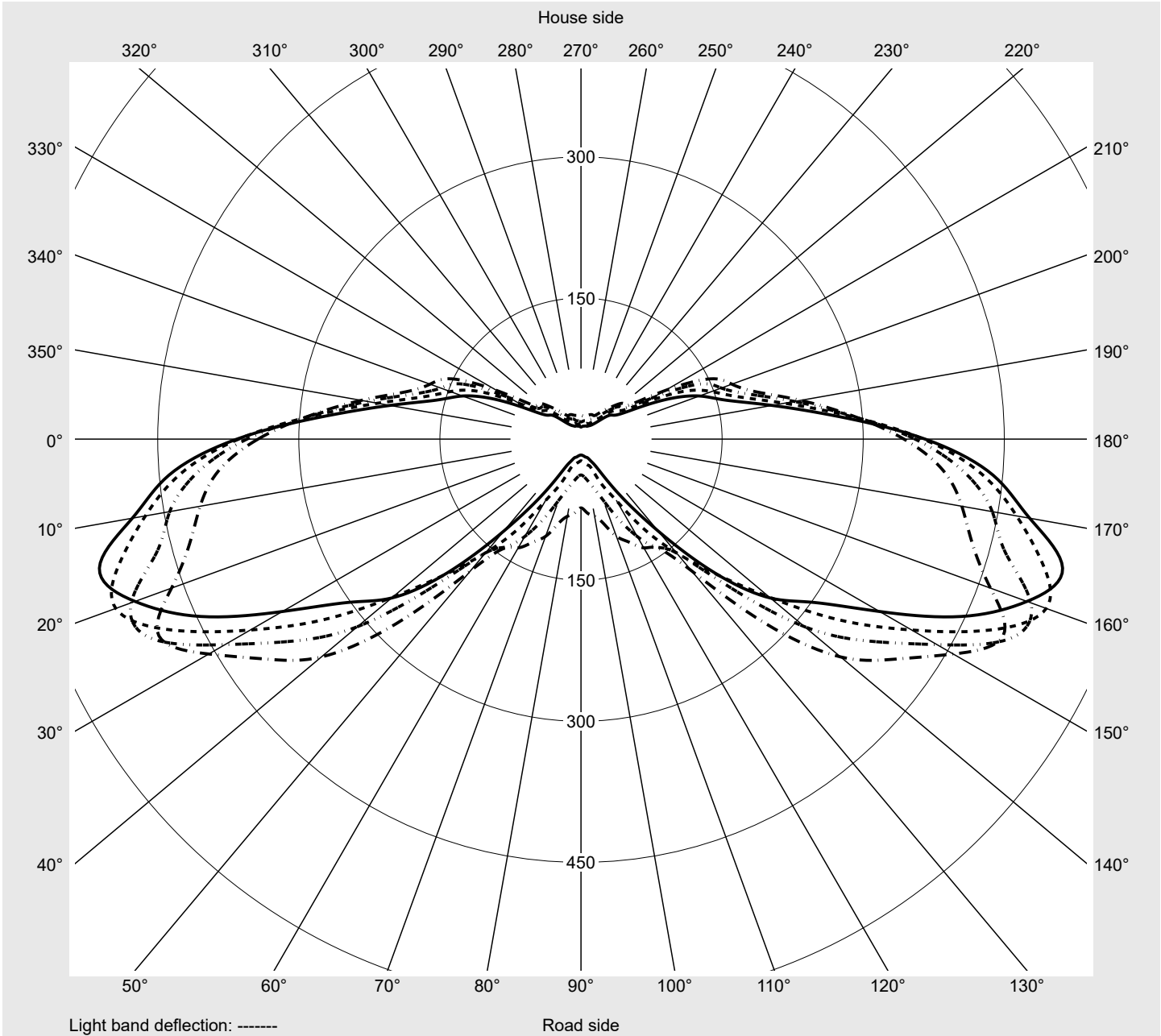
Luminous intensity class acc. to EN13201-2	
Class:	G4
Imax 70°	494.0
Imax 80°	97.3
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

**Measurement conditions**  
DIN EN 13032 and DIN 5032

**Photometric test report**

<b>Family</b> Streetlight 21 midi LED	<b>Order number: 5XE3M33R08NB</b> <b>EAN: 4058352683071</b>	<b>LP number</b> 59158_101
--	--	-------------------------------

**Envelope curve in cd/klm**      **KMK 67.5°**    **KMK 65°**    **KMK 62.5°**    **KMK 60°**      **siteco**



## Photometric test report

<b>Family</b> <b>Streetlight 21 midi LED</b>	<b>Order number: 5XE3M33R08NB</b> <b>EAN: 4058352683071</b>	<b>LP number</b> <b>59158_101</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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°
$\gamma$	Luminous intensity in cd/klm												
0,0°	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3
2,5°	280.0	279.5	279.2	277.7	277.9	277.2	277.5	277.2	275.6	274.9	274.1	272.2	271.9
5,0°	282.0	279.0	278.0	276.1	272.9	271.2	268.2	269.1	269.6	270.1	269.8	269.1	270.9
7,5°	284.3	282.5	280.2	277.0	274.6	269.8	270.2	271.2	274.2	276.9	275.3	277.1	278.7
10,0°	283.5	278.8	278.9	277.1	277.9	275.3	275.0	274.3	277.9	276.8	278.3	280.6	285.6
12,5°	291.5	283.0	278.6	278.5	281.2	284.6	289.1	289.5	285.3	284.2	286.1	285.7	287.3
15,0°	293.5	287.3	282.6	283.4	285.9	287.5	291.2	291.6	289.1	290.7	289.2	288.4	292.5
17,5°	287.2	283.0	284.7	286.8	291.0	295.5	294.3	295.6	291.9	292.9	293.3	291.2	291.8
20,0°	290.7	291.7	292.2	295.1	295.4	298.3	298.7	298.0	297.8	295.7	296.5	296.5	299.4
22,5°	287.5	290.7	295.2	300.3	302.4	303.2	304.2	303.3	305.0	303.4	306.4	303.6	308.2
25,0°	291.3	293.7	300.6	308.4	311.2	310.2	305.1	310.6	315.6	314.0	311.9	310.8	313.1
27,5°	289.0	299.0	309.0	314.3	317.6	319.7	315.4	321.2	315.6	313.1	310.8	312.4	317.4
30,0°	299.3	307.0	319.6	325.6	327.2	326.9	321.7	323.1	317.8	323.1	319.9	314.6	319.2
32,5°	306.6	316.1	327.3	327.3	338.8	336.8	328.0	332.2	327.0	328.7	324.9	323.3	321.4
35,0°	311.1	323.0	331.4	338.6	344.6	341.3	340.8	340.2	334.2	335.6	333.1	338.0	343.9
37,5°	319.9	329.0	340.9	346.8	349.7	351.4	343.0	340.3	343.7	357.2	349.0	349.3	350.7
40,0°	323.1	341.3	350.9	356.9	356.9	355.3	348.8	348.2	355.8	358.7	355.6	359.4	347.1
42,5°	328.0	352.6	360.8	363.9	368.3	358.2	356.2	364.4	370.1	370.9	367.6	359.1	344.9
45,0°	334.6	357.9	364.8	372.3	370.2	361.6	366.2	373.8	385.7	385.3	368.9	360.6	349.9
47,5°	335.6	361.2	371.9	375.5	366.2	374.6	379.7	390.8	395.5	392.9	373.7	358.5	330.6
50,0°	333.2	358.6	375.4	375.2	380.7	383.0	391.4	407.7	423.6	398.5	367.7	329.8	282.7
52,5°	330.3	358.8	373.2	382.1	382.9	396.7	409.7	434.6	441.4	401.3	350.0	291.1	233.7
55,0°	334.1	363.5	378.1	386.3	398.8	423.8	441.5	441.1	420.3	385.7	309.2	234.7	184.4
57,5°	334.5	363.0	386.9	405.8	420.8	451.3	460.8	432.9	394.6	333.1	244.9	182.0	145.6
60,0°	343.4	386.8	411.2	430.9	463.3	495.1	456.9	407.8	360.3	277.0	182.7	141.5	133.5
62,5°	355.2	409.6	444.0	467.2	508.8	502.5	436.9	374.5	310.3	220.8	158.1	140.1	119.6
65,0°	363.9	427.8	470.2	507.6	526.4	480.2	405.9	335.1	261.4	202.9	157.6	116.6	75.7
67,5°	365.9	439.7	484.4	530.1	504.6	446.2	366.6	302.8	262.8	201.3	127.5	74.5	38.3
70,0°	361.8	427.3	480.7	494.0	452.1	390.2	353.2	342.1	271.3	160.9	82.6	40.8	21.3
72,5°	348.5	390.9	432.9	414.9	389.5	361.2	397.1	367.5	221.1	100.7	40.3	20.0	14.8
75,0°	281.9	295.0	323.9	333.1	324.9	367.7	367.8	233.4	109.1	39.6	15.4	12.6	11.4
77,5°	143.0	161.3	198.8	233.5	244.3	250.6	175.4	81.5	27.2	12.1	10.0	8.7	7.3
80,0°	40.2	63.0	91.1	97.3	95.2	86.7	27.8	12.7	6.5	6.7	7.5	5.6	4.2
82,5°	8.8	13.8	20.6	21.5	16.3	17.5	5.0	3.3	2.6	3.3	3.9	2.7	2.0
85,0°	1.2	1.3	1.5	1.6	1.4	1.7	1.3	1.2	1.1	0.9	1.1	0.8	0.7
87,5°	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
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

<b>Family</b> <b>Streetlight 21 midi LED</b>	<b>Order number: 5XE3M33R08NB</b> <b>EAN: 4058352683071</b>	<b>LP number</b> <b>59158_101</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>

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°
$\gamma$	Luminous intensity in cd/klm												
0,0°	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3
2,5°	272.1	269.9	267.0	268.1	268.5	269.0	281.4	284.1	286.0	285.0	286.1	285.9	287.0
5,0°	269.3	272.2	271.3	271.9	270.8	271.9	283.4	282.6	282.5	285.9	285.5	283.5	281.1
7,5°	280.9	281.1	280.2	277.5	274.1	274.1	286.0	287.6	287.0	288.0	286.8	283.0	277.5
10,0°	287.1	285.1	283.0	280.7	279.3	280.8	287.8	290.8	286.8	282.7	279.5	273.9	268.3
12,5°	285.5	284.2	286.0	288.9	286.6	281.0	295.5	295.8	296.0	286.2	277.7	269.6	261.9
15,0°	292.0	290.2	289.8	292.0	297.5	298.6	293.5	294.0	291.5	286.7	277.3	264.8	251.5
17,5°	294.8	294.5	298.3	293.0	297.4	303.5	292.3	293.3	293.9	281.3	267.6	258.9	240.9
20,0°	299.0	299.5	304.2	296.9	296.7	296.7	294.8	297.3	288.7	278.8	264.7	247.9	234.6
22,5°	307.0	303.9	307.2	305.2	303.5	301.1	292.3	292.7	289.8	272.7	253.1	235.2	224.2
25,0°	308.5	307.0	306.5	307.6	304.1	305.3	288.3	287.7	284.5	273.6	248.9	229.8	214.2
27,5°	309.7	310.9	309.1	310.5	312.1	314.7	284.8	292.0	284.6	269.9	246.9	218.6	204.8
30,0°	318.8	313.0	316.5	319.3	321.1	315.6	288.4	288.0	277.1	262.6	236.5	216.2	195.1
32,5°	328.3	327.3	324.1	328.0	321.7	321.1	292.1	283.3	275.4	254.8	232.4	204.0	187.3
35,0°	333.0	330.3	327.3	330.3	321.0	320.8	293.4	280.5	274.9	250.9	222.6	198.5	180.2
37,5°	347.6	338.1	337.0	331.1	320.5	323.3	300.7	280.1	268.4	245.7	215.7	189.0	173.6
40,0°	336.7	326.6	325.9	326.6	319.5	315.5	299.6	275.7	266.2	239.6	208.1	184.4	173.4
42,5°	338.1	330.2	318.5	318.1	304.4	302.6	299.3	268.9	256.4	234.2	201.3	180.8	167.8
45,0°	331.0	306.8	290.4	268.8	256.0	259.8	300.8	268.3	248.2	226.4	193.0	177.1	163.8
47,5°	292.1	250.6	224.1	205.0	194.0	197.9	301.3	257.8	239.6	216.0	186.1	176.6	150.4
50,0°	230.3	192.7	175.9	164.2	151.9	149.7	291.8	255.7	228.4	209.2	179.8	170.6	134.0
52,5°	178.9	156.0	144.3	133.1	130.3	129.2	290.2	246.4	216.9	199.0	174.2	152.8	114.9
55,0°	145.4	130.5	117.0	116.4	114.2	113.5	290.0	243.5	208.9	184.8	172.7	133.8	95.4
57,5°	121.3	117.8	115.4	113.0	105.4	105.7	290.5	241.2	201.0	179.3	161.5	119.5	77.5
60,0°	120.8	110.0	93.0	83.4	79.0	73.2	288.7	237.1	193.6	170.7	151.6	103.2	63.9
62,5°	93.2	69.2	54.5	45.9	40.4	38.1	287.6	230.5	184.8	158.7	138.3	87.8	57.4
65,0°	54.2	33.9	28.7	26.2	24.3	23.1	285.3	219.6	173.6	147.8	120.0	76.2	53.1
67,5°	26.5	21.4	19.9	18.4	17.4	16.9	275.2	206.3	159.8	134.0	99.6	61.1	44.4
70,0°	17.3	16.2	15.1	13.9	13.6	13.6	271.2	190.7	143.4	115.8	76.3	41.8	37.8
72,5°	13.4	12.4	11.4	10.8	10.3	10.1	262.2	181.5	124.0	94.7	40.9	29.8	31.2
75,0°	9.9	9.0	7.8	7.7	7.0	7.0	234.3	162.3	97.6	56.0	20.7	21.7	24.4
77,5°	6.2	5.7	5.2	5.0	4.7	4.7	137.1	75.6	26.2	11.1	9.8	13.4	15.8
80,0°	3.7	3.3	3.1	3.0	2.9	2.6	42.3	12.7	5.3	5.7	5.5	8.1	8.7
82,5°	1.7	1.8	1.5	1.5	1.5	1.4	7.6	3.1	2.7	2.5	2.5	3.6	4.0
85,0°	0.7	0.7	0.6	0.6	0.5	0.6	1.3	1.2	1.1	1.1	1.0	1.1	1.0
87,5°	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.3	0.2	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

## Photometric test report

<b>Family</b> <b>Streetlight 21 midi LED</b>	<b>Order number: 5XE3M33R08NB</b> <b>EAN: 4058352683071</b>	<b>LP number</b> <b>59158_101</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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°	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	0.4	0.4
2,5°	286.8	285.3	284.3	284.7	284.2	283.3	284.6	283.3	283.5	283.7	284.6	3.3	3.8
5,0°	278.6	276.1	273.1	270.4	269.6	267.2	264.9	267.7	269.2	270.0	268.4	6.5	10.3
7,5°	270.7	265.2	261.6	259.4	254.7	252.2	249.7	249.3	251.4	252.1	251.1	9.8	20.1
10,0°	262.4	258.2	251.3	247.1	241.7	240.5	235.9	232.2	229.7	232.0	232.6	12.8	32.9
12,5°	253.0	248.1	241.3	233.4	227.8	225.9	222.1	221.1	217.0	216.2	217.6	15.9	48.8
15,0°	243.5	238.9	227.1	220.2	215.6	207.2	202.8	202.4	199.4	197.5	199.3	18.9	67.7
17,5°	230.7	224.5	216.6	207.3	197.9	192.6	186.1	186.7	184.9	178.1	179.1	21.6	89.3
20,0°	224.7	212.9	200.9	190.3	179.3	178.3	173.5	168.8	172.8	171.2	167.7	24.4	113.7
22,5°	214.9	197.6	181.9	175.8	167.5	170.4	169.4	167.1	165.9	164.7	164.5	27.1	140.8
25,0°	197.9	180.7	172.8	169.2	165.1	160.8	159.9	160.1	158.1	157.3	154.6	29.8	170.6
27,5°	187.3	175.1	165.8	162.0	159.3	153.5	151.8	145.8	145.0	142.8	140.4	32.4	203.0
30,0°	177.2	171.0	166.6	158.9	151.2	143.8	132.7	128.8	124.3	120.6	117.3	35.0	238.0
32,5°	172.7	165.1	158.2	150.4	138.9	130.3	117.7	112.6	105.8	101.8	100.1	37.5	275.5
35,0°	173.7	161.0	152.4	138.3	123.5	111.2	100.8	90.8	89.5	87.5	84.7	39.9	315.4
37,5°	166.8	154.7	137.1	122.9	105.2	92.7	86.3	81.1	76.6	73.0	69.0	42.2	357.6
40,0°	159.6	145.5	123.8	107.7	92.7	82.7	77.8	70.9	66.2	62.7	61.7	44.1	401.8
42,5°	150.3	129.1	106.2	93.0	85.0	75.6	70.1	65.3	59.6	54.9	52.8	46.0	447.8
45,0°	137.4	114.1	93.1	85.0	75.9	66.1	59.6	54.8	50.9	50.0	47.9	47.0	494.8
47,5°	124.3	96.6	84.4	75.5	64.4	54.9	48.4	46.6	45.4	44.6	44.2	46.6	541.4
50,0°	105.0	86.9	74.5	66.3	55.3	47.4	42.9	41.6	41.5	39.7	39.3	46.0	587.4
52,5°	89.2	76.5	63.7	53.4	45.8	41.0	37.8	37.7	35.4	34.8	35.4	45.4	632.9
55,0°	75.3	68.1	53.2	44.9	38.3	35.9	34.0	34.1	32.0	31.4	29.8	44.7	677.6
57,5°	64.5	56.8	45.7	39.7	34.2	32.8	30.9	30.2	29.1	28.8	27.4	44.0	721.6
60,0°	59.0	50.3	41.2	33.9	28.9	28.5	27.6	26.2	25.5	24.9	25.3	43.4	765.0
62,5°	53.6	44.6	34.6	28.4	25.6	23.6	22.6	20.3	19.8	18.9	18.3	42.0	807.0
65,0°	47.4	37.5	28.0	23.1	19.9	17.9	17.8	16.5	16.2	16.0	16.2	40.3	847.3
67,5°	39.3	28.4	21.3	17.9	16.3	15.1	14.9	14.3	14.0	13.4	12.8	38.3	885.6
70,0°	31.7	19.8	16.1	15.1	13.5	11.7	11.5	11.5	11.1	11.0	10.7	35.8	921.3
72,5°	24.4	15.2	12.7	11.7	10.5	9.3	8.6	8.1	7.7	7.5	7.3	32.3	953.6
75,0°	17.7	11.9	10.0	8.9	7.9	6.4	5.3	5.0	5.2	5.0	4.8	25.5	979.1
77,5°	11.6	7.9	6.4	5.8	4.8	3.7	3.2	3.1	2.9	2.5	2.7	14.3	993.4
80,0°	6.9	4.8	3.4	2.9	2.3	1.7	1.3	1.2	0.9	1.0	1.1	5.1	998.5
82,5°	3.1	2.0	1.3	1.1	0.9	0.4	0.4	0.4	0.4	0.4	0.3	1.3	999.7
85,0°	0.8	0.7	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	999.9
87,5°	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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

<b>Family</b> Streetlight 21 midi LED	<b>Order number: 5XE3M33R08NB</b> <b>EAN: 4058352683071</b>	<b>LP number</b> 59158_101
--	--	-------------------------------

<b>Dimming levels table</b>	environmental temperature: 25°C	<b>siteco</b>
-----------------------------	---------------------------------	---------------

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	19980	151.2	156.8	154.0
95	239	252	19006	142.3	147.4	144.9
90	224	249	18001	133.3	138.2	135.8
85	209	247	16975	124.5	128.9	126.7
80	195	244	15989	116.2	120.3	118.2
75	181	242	14978	107.9	111.7	109.8
70	168	239	14023	100.4	103.8	102.1
65	154	236	12980	92.2	95.5	93.8
60	141	232	11991	84.7	87.6	86.2
55	128	229	10987	77.3	79.9	78.6
50	115	225	9961	69.9	72.1	71.0
45	103	221	9000	63.0	65.1	64.0
40	91	216	8020	56.1	58.0	57.0
35	79	211	7028	49.3	50.9	50.1
30	67	205	6021	42.5	43.9	43.2
25	55	198	4997	35.7	36.8	36.2
20	43	189	3961	29.0	29.9	29.4
15	32	178	2995	22.8	23.4	23.1
12	25	169	2377	19.0	19.5	19.2

<b>Dimming levels table</b>	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	20660	153.0	158.6	155.8
95	239	252	19619	143.9	149.1	146.5
90	225	250	18621	135.6	140.4	138.0
85	210	247	17536	126.5	131.1	128.8
80	196	245	16500	118.2	122.4	120.3
75	183	242	15517	110.5	114.4	112.4
70	169	239	14446	102.3	105.8	104.0
65	156	236	13439	94.6	97.9	96.2
60	143	233	12412	87.0	90.0	88.5
55	130	229	11374	79.5	82.2	80.8
50	117	226	10318	71.9	74.4	73.2
45	105	222	9331	65.0	67.2	66.1
40	92	217	8242	57.5	59.4	58.4
35	80	212	7228	50.6	52.2	51.4
30	68	206	6200	43.7	45.1	44.4
25	56	199	5156	36.8	38.0	37.4
20	44	190	4102	30.0	30.9	30.4
15	33	179	3123	23.7	24.4	24.0
12	25	169	2405	19.3	19.8	19.6

## Photometric test report

<b>Family</b> Streetlight 21 midi LED	<b>Order number: 5XE3M33R08NB</b> <b>EAN: 4058352683071</b>	<b>LP number</b> 59158_101
--	--	-------------------------------

<b>Dimming levels table</b>	environmental temperature: 15°C	<b>siteco</b>
-----------------------------	---------------------------------	---------------

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	20350	152.1	157.7	154.9
95	239	252	19340	143.1	148.2	145.6
90	224	249	18301	134.0	139.0	136.5
85	210	247	17315	125.7	130.3	128.0
80	196	245	16303	117.5	121.7	119.6
75	182	242	15266	109.2	113.0	111.1
70	168	239	14215	101.0	104.5	102.8
65	155	236	13225	93.4	96.7	95.1
60	142	233	12216	85.8	88.8	87.3
55	129	229	11194	78.4	81.1	79.8
50	116	225	10151	70.8	73.2	72.0
45	104	221	9175	64.0	66.2	65.1
40	91	216	8099	56.5	58.4	57.4
35	79	211	7094	49.6	51.2	50.4
30	67	205	6074	42.8	44.2	43.5
25	56	199	5125	36.5	37.7	37.1
20	44	190	4079	29.8	30.6	30.2
15	32	178	3018	23.0	23.6	23.3
12	25	169	2394	19.1	19.7	19.4

**Photometric test report**

<b>Family</b> Streetlight 21 midi LED	<b>Order number: 5XE3M33R08NB</b> <b>EAN: 4058352683071</b>	<b>LP number</b> <b>59158_101</b>
--	--	--------------------------------------

**Luminousfluxs table** **sITeco**

Temperature °C	Luminous flux lm	Power consumption W
25.0	19980.0	151.2
5.0	20660.0	153.0
15.0	20350.0	152.1