

## Lichttechnischer Prüfbefund

**Familie**  
**Streetlight 21 midi LED**

**Bestell-Nr.: 5XE3C42B08NA**  
**EAN: 4058352472521**

**LP-Nummer**  
**59082\_19**



<b>Ausführung</b>	Mastansatz- / Mastaufsatzmontage
<b>Optik</b>	asymmetrisch, breit strahlend (ST0.8a Comfort)
<b>Abdeckung</b>	Einscheibensicherheitsglas (ESG)
<b>Bestückung</b>	LED 4000 K   CRI ≥ 70
<b>Betriebsgerät</b>	EVG DIM
<b>Bemessungswerte</b>	Nettolichtstrom = 23710 lm Systemleistung = 151.3 W Lichtausbeute = 156.7 lm/W

**Seriendokumentation**  
**10.12.2020**

**sitEco**

**Lichtstärke in cd/klm**

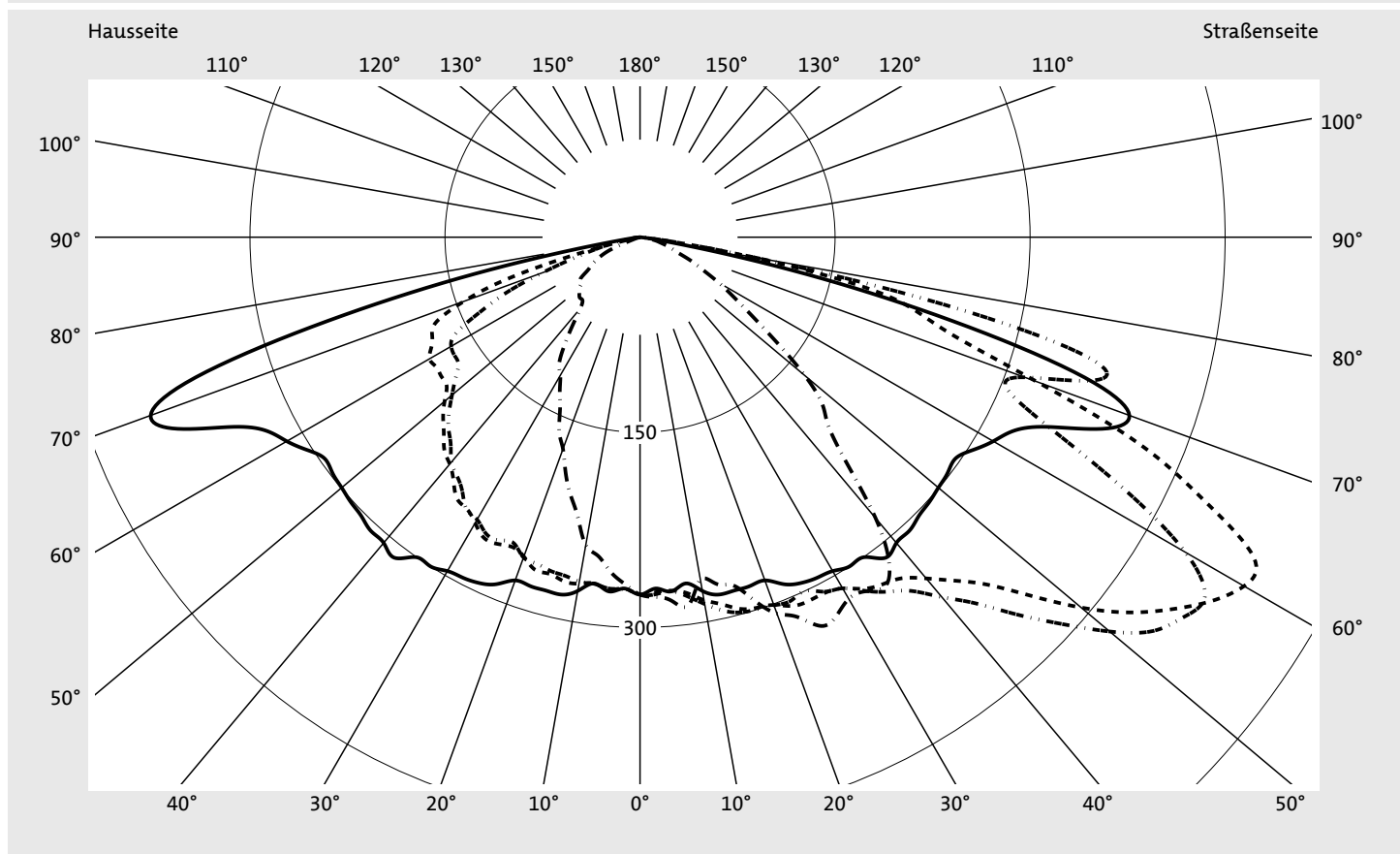
**C180-0**

**C195-15**

**C200-20**

**C270-90**

**Imax: 536 cd/klm**



**Leuchtenbetriebswirkungsgrade**

Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

**Lichtstärkeklasse nach EN13201-2**

Klasse:	G4
Imax 70°	493.9
Imax 80°	97.8
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

**Messbedingungen**

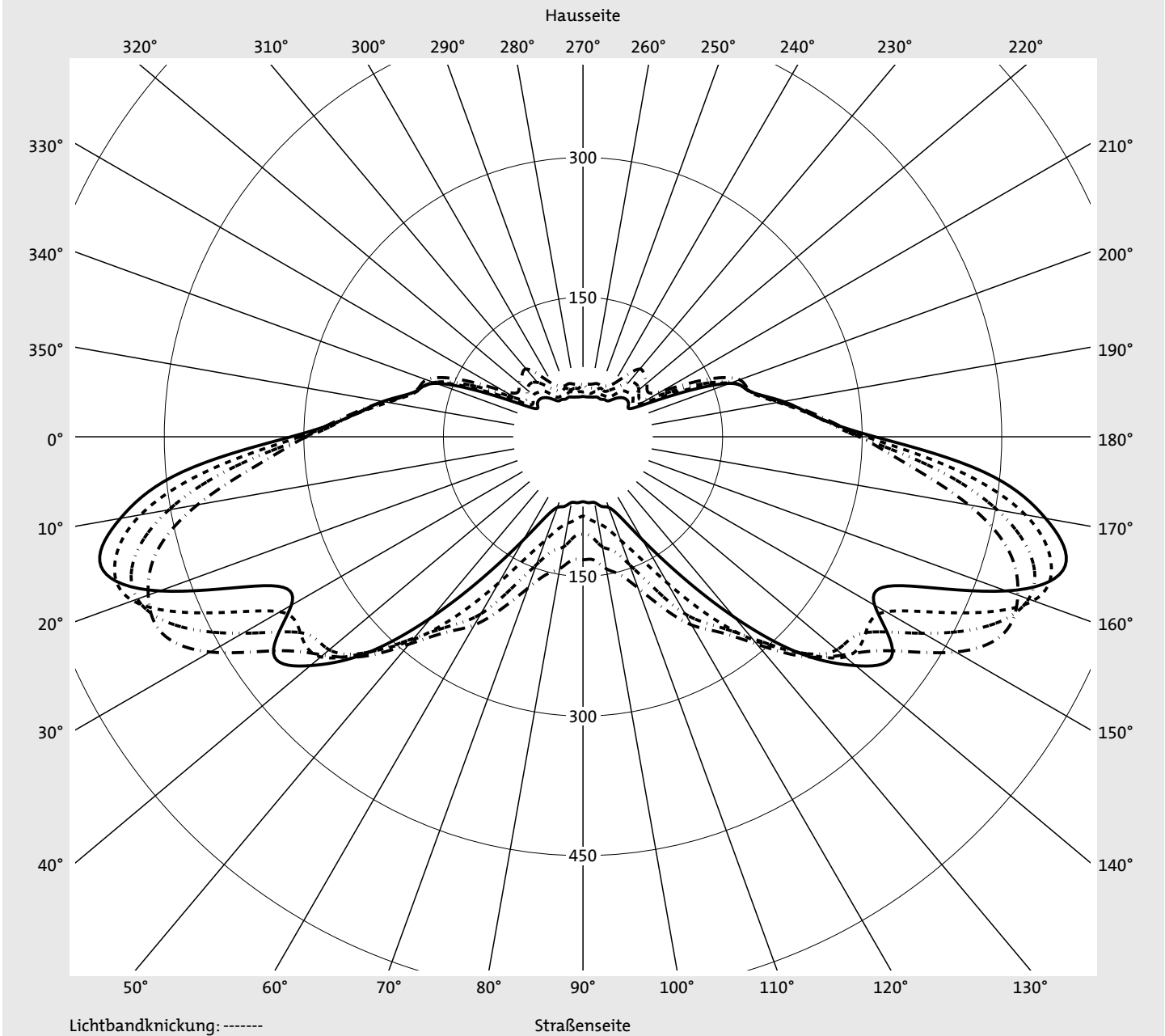
DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

<b>Familie</b> Streetlight 21 midi LED	<b>Bestell-Nr.:</b> 5XE3C42B08NA <b>EAN:</b> 4058352472521	<b>LP-Nummer</b> 59082_19
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**Kegelmantelkurven in cd/klm**      **KMK 60°**      **KMK 57,5°**      **KMK 55°**      **KMK 52,5°**



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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	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	Lichtstärke in cd/klm												
0,0°	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7
2,5°	270.3	270.4	271.5	273.2	274.7	274.7	274.1	274.2	274.4	274.0	277.0	277.1	276.6
5,0°	273.4	274.3	273.6	272.7	273.3	272.3	273.5	276.6	278.8	280.3	282.6	283.8	283.6
7,5°	268.4	272.0	274.5	275.9	278.4	281.1	280.9	281.1	283.3	281.4	281.4	282.2	283.4
10,0°	276.1	275.9	278.7	283.3	286.3	286.9	286.0	284.7	284.2	281.9	279.6	277.1	277.3
12,5°	281.3	282.2	283.7	288.9	293.9	293.8	293.7	291.9	286.3	284.1	279.7	275.7	274.4
15,0°	281.1	288.0	292.4	295.7	298.6	296.0	289.7	288.1	284.8	282.9	277.7	276.9	276.0
17,5°	281.1	290.6	297.2	298.7	299.8	298.7	288.5	285.6	284.8	283.6	284.4	283.4	282.6
20,0°	280.7	292.1	296.6	300.8	301.1	293.8	288.4	289.1	289.4	289.7	292.3	294.8	294.6
22,5°	288.7	295.6	305.2	306.8	302.6	291.6	294.7	298.4	296.3	302.0	304.4	307.3	310.9
25,0°	293.3	302.1	310.2	308.2	300.0	304.4	300.3	306.0	314.5	315.8	322.6	327.6	328.1
27,5°	295.1	304.0	315.6	308.2	307.2	309.0	311.5	316.2	322.4	331.3	341.0	342.3	347.8
30,0°	296.3	310.5	318.6	311.7	311.7	317.3	321.0	328.4	335.1	348.1	357.8	362.2	361.1
32,5°	300.0	316.4	321.2	320.4	322.3	332.0	333.6	347.0	358.3	367.3	373.3	381.7	372.6
35,0°	300.3	319.7	321.7	325.6	332.6	343.0	357.1	367.9	377.8	390.3	388.6	387.7	369.4
37,5°	310.5	323.4	327.5	330.5	342.7	360.8	372.5	392.7	414.1	412.2	402.6	386.6	372.5
40,0°	306.7	330.8	334.6	342.4	361.1	375.6	400.5	408.6	435.7	427.5	406.4	389.1	370.1
42,5°	306.3	335.9	340.9	358.1	381.7	400.9	421.0	435.6	445.3	435.6	399.0	382.7	355.5
45,0°	303.2	331.0	352.9	377.7	410.2	434.3	445.3	455.7	442.6	423.9	389.8	341.8	303.3
47,5°	301.6	336.5	377.0	408.1	440.1	460.6	469.6	457.4	422.0	387.5	349.8	300.0	258.6
50,0°	299.6	347.6	392.2	442.9	471.5	482.6	470.8	441.6	392.0	354.8	309.2	269.5	243.1
52,5°	298.1	351.8	420.7	473.8	497.3	499.2	462.5	400.7	364.8	333.6	290.9	256.4	233.4
55,0°	296.4	377.3	452.0	498.7	509.7	480.6	422.2	367.6	356.1	327.6	282.3	247.9	219.8
57,5°	304.1	401.5	482.8	520.7	515.0	447.7	376.1	370.2	367.9	327.8	285.1	233.0	181.5
60,0°	313.7	432.1	504.8	536.4	484.2	378.6	362.0	406.0	382.5	328.5	253.1	180.4	127.9
62,5°	323.0	454.5	522.9	531.9	420.3	344.5	406.4	437.2	400.9	298.6	180.8	103.7	72.0
65,0°	344.9	474.6	534.2	478.7	349.3	355.5	461.5	463.3	369.4	197.1	86.0	60.4	50.6
67,5°	384.9	502.1	523.3	416.2	305.9	418.2	501.2	453.1	243.9	95.6	57.8	47.3	41.7
70,0°	400.5	466.7	464.5	324.8	314.9	493.9	484.0	328.4	125.6	60.9	45.2	38.8	34.8
72,5°	358.5	358.7	351.8	254.6	365.9	485.2	394.2	184.1	76.3	45.4	33.5	30.2	27.1
75,0°	248.8	218.0	225.7	220.3	356.9	392.4	267.8	98.5	34.6	31.5	29.4	24.9	21.7
77,5°	130.6	113.0	145.7	175.3	240.1	233.3	127.5	42.6	21.2	23.4	23.0	16.7	15.6
80,0°	34.5	28.3	60.6	84.1	88.8	97.8	40.6	17.8	14.2	16.4	14.0	11.1	11.6
82,5°	7.5	5.6	9.8	16.6	21.5	20.4	10.9	7.9	8.8	8.6	8.9	5.8	7.0
85,0°	1.1	1.2	1.1	1.3	1.4	1.9	2.3	2.1	2.2	2.7	3.5	2.8	2.3
87,5°	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.6	0.5
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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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	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	Lichtstärke in cd/klm												
0,0°	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7
2,5°	277.3	277.3	277.6	276.6	277.0	276.8	270.8	271.1	270.4	270.8	270.2	268.3	267.7
5,0°	281.9	281.9	278.2	280.1	281.1	280.6	273.6	273.0	271.7	271.1	269.1	268.2	265.4
7,5°	283.5	282.9	281.4	281.0	282.1	285.4	268.8	268.8	268.5	268.8	266.7	267.0	264.4
10,0°	279.2	274.9	270.8	268.5	269.2	267.3	274.9	272.6	270.4	268.7	265.5	260.5	259.1
12,5°	272.1	272.1	273.6	269.2	269.2	273.1	277.7	274.5	270.9	266.6	261.3	260.1	257.8
15,0°	276.2	274.6	273.2	280.0	279.6	277.2	274.9	270.0	268.0	265.6	261.1	253.1	248.9
17,5°	285.8	287.0	285.3	286.6	289.2	292.9	272.7	272.3	268.1	263.3	259.7	253.3	247.5
20,0°	299.1	299.4	301.3	300.1	304.9	307.8	276.8	266.0	261.2	262.0	255.9	246.8	236.8
22,5°	313.3	316.0	319.4	316.6	317.2	315.9	280.7	268.4	257.6	254.4	250.0	238.1	227.3
25,0°	332.9	331.7	329.1	327.2	327.4	329.8	278.2	269.4	260.1	257.0	246.4	228.9	216.0
27,5°	347.9	343.4	339.0	334.3	330.1	327.7	279.9	264.3	260.3	256.8	239.8	225.1	209.4
30,0°	360.9	348.0	335.3	330.2	324.7	321.0	279.0	262.4	253.7	250.7	238.4	217.0	198.0
32,5°	362.6	347.1	334.4	330.4	326.1	322.8	284.1	262.1	247.8	248.2	226.8	210.6	193.3
35,0°	356.8	346.6	334.7	336.8	328.1	328.1	280.8	258.0	245.4	238.4	219.8	203.2	186.8
37,5°	357.5	341.5	333.2	324.9	314.7	314.6	279.2	255.9	235.7	231.4	214.7	193.6	178.6
40,0°	343.5	323.7	301.8	292.7	285.0	281.8	278.8	246.9	227.6	225.6	204.9	186.4	162.2
42,5°	311.3	283.7	259.6	245.5	240.5	235.1	275.8	245.2	222.6	215.5	197.8	175.8	147.6
45,0°	263.6	240.0	225.9	210.9	205.5	204.7	269.5	235.2	213.4	208.3	188.9	160.6	131.2
47,5°	233.5	212.2	205.2	196.9	185.3	190.2	264.3	230.8	205.4	199.3	173.8	140.3	115.6
50,0°	214.5	200.5	186.8	176.0	167.7	165.6	259.0	220.9	196.2	188.8	159.4	120.1	101.4
52,5°	202.4	173.0	153.3	144.0	132.9	132.1	254.9	217.3	187.5	179.0	145.3	98.1	84.8
55,0°	178.1	146.2	127.0	120.0	107.8	104.8	250.8	214.4	186.5	170.5	129.2	82.5	73.4
57,5°	142.5	118.4	102.4	94.4	89.3	85.3	251.0	212.9	185.8	169.2	115.7	71.1	65.4
60,0°	95.2	80.8	77.5	71.8	71.2	69.8	251.1	218.4	187.0	167.7	103.8	61.3	59.6
62,5°	58.0	54.8	52.2	54.7	53.3	54.6	253.1	214.1	180.6	159.5	93.9	56.2	53.4
65,0°	44.4	44.5	46.9	43.2	43.6	44.1	259.8	218.3	176.5	135.3	87.7	51.0	49.2
67,5°	38.9	35.1	35.0	34.1	33.4	32.4	277.4	228.7	169.2	111.0	72.7	44.8	40.8
70,0°	31.2	27.0	26.8	26.1	26.1	26.6	284.4	224.8	144.3	80.0	58.1	39.0	36.7
72,5°	24.4	22.5	22.5	20.4	21.1	21.5	265.5	198.7	107.9	53.5	43.1	34.7	32.8
75,0°	18.8	17.1	17.9	17.0	16.6	16.3	204.9	133.2	50.6	34.4	32.4	29.0	26.8
77,5°	14.7	13.5	12.8	12.5	12.8	12.8	119.2	54.2	11.6	23.6	21.2	18.0	18.4
80,0°	10.6	10.1	9.1	8.6	8.6	8.1	33.5	11.1	7.6	13.9	11.9	10.5	10.2
82,5°	7.3	6.2	6.1	5.6	4.9	5.4	5.5	2.7	2.8	3.8	4.3	3.5	2.3
85,0°	3.5	3.6	2.8	2.5	2.0	2.1	1.1	1.0	0.9	0.9	0.8	0.7	0.4
87,5°	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.1	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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<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>siteco</b>
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C- Ebenen	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm											Lichtstrom in lm/klm	
0,0°	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	0.4	0.4
2,5°	266.9	268.1	268.2	268.7	268.5	267.1	267.0	267.7	267.4	266.6	267.0	3.3	3.7
5,0°	263.6	262.9	262.0	260.1	259.5	259.0	256.6	256.8	259.2	257.8	258.3	6.5	10.1
7,5°	260.8	257.0	250.7	249.7	247.6	246.8	246.7	245.8	245.3	247.7	247.1	9.6	19.8
10,0°	252.8	249.3	247.8	246.7	248.4	244.5	243.4	240.2	241.8	240.9	240.4	12.7	32.4
12,5°	253.4	252.4	245.5	238.4	237.7	235.4	233.8	229.5	224.3	224.0	220.7	15.7	48.2
15,0°	244.8	237.8	231.9	225.9	220.6	215.3	208.8	208.3	207.9	205.7	205.7	18.5	66.7
17,5°	234.5	223.9	215.9	208.8	204.9	202.3	197.0	195.4	195.9	193.7	190.2	21.4	88.1
20,0°	225.2	218.0	205.4	199.6	193.3	189.7	186.4	179.5	178.4	175.2	173.3	24.2	112.4
22,5°	216.7	204.6	199.4	191.6	182.0	178.9	173.7	168.4	165.9	162.8	162.3	27.2	139.6
25,0°	204.9	195.2	187.0	178.8	174.1	164.7	158.3	153.2	148.3	147.1	145.5	30.2	169.8
27,5°	196.3	186.4	178.9	166.9	161.7	149.4	143.4	139.0	134.8	135.6	133.7	33.1	202.9
30,0°	190.9	177.5	163.1	156.2	146.5	137.9	134.3	127.6	124.1	121.6	122.6	35.7	238.6
32,5°	181.0	165.6	154.2	144.9	134.1	130.0	128.2	124.1	121.8	116.9	115.9	38.6	277.2
35,0°	167.7	157.4	146.1	134.8	131.4	126.8	124.8	120.5	110.3	104.9	101.4	41.3	318.5
37,5°	156.7	145.7	133.9	129.2	129.2	125.7	115.5	103.4	94.2	86.0	85.0	43.7	362.2
40,0°	146.9	134.3	126.9	126.3	125.9	115.4	98.8	88.6	77.3	72.8	71.3	45.3	407.5
42,5°	136.5	122.6	122.7	123.6	114.3	99.3	84.3	75.2	69.8	69.3	65.6	46.2	453.8
45,0°	120.9	117.7	119.9	119.0	104.2	85.2	72.0	67.4	65.3	64.5	65.6	46.5	500.3
47,5°	109.1	110.0	113.2	107.7	88.8	73.6	66.8	64.8	64.8	63.5	63.4	46.7	547.0
50,0°	97.5	101.6	105.2	92.5	74.5	65.6	61.9	61.6	59.1	61.3	61.0	46.7	593.7
52,5°	89.6	92.9	95.0	80.0	65.9	60.3	58.1	59.1	57.5	56.6	56.1	46.3	640.0
55,0°	78.3	80.4	76.2	65.5	57.9	54.0	55.5	52.2	52.9	52.4	56.0	45.7	685.7
57,5°	69.5	67.7	63.9	52.8	49.8	49.5	49.4	50.2	47.3	48.6	48.1	45.3	730.9
60,0°	61.6	59.4	53.6	47.0	46.1	44.6	45.2	44.1	43.4	43.0	43.3	44.1	775.0
62,5°	55.6	50.3	44.1	41.3	40.6	40.9	40.9	39.6	40.9	39.1	37.9	42.3	817.3
65,0°	46.5	42.0	38.0	35.8	35.8	36.1	35.5	33.9	31.7	32.0	31.7	40.2	857.5
67,5°	39.5	36.1	31.5	29.7	29.9	29.1	27.9	25.5	23.3	22.3	22.6	38.2	895.8
70,0°	34.2	29.3	27.2	25.7	24.5	22.3	19.1	14.7	12.3	10.1	9.4	34.5	930.3
72,5°	27.0	24.4	22.8	20.1	17.7	12.1	9.4	6.3	4.4	4.3	4.3	28.9	959.1
75,0°	21.4	18.1	16.5	13.1	8.9	5.4	3.9	2.7	2.0	1.9	2.4	21.1	980.3
77,5°	15.3	10.9	8.3	5.4	3.5	2.1	1.3	1.0	0.9	1.0	1.4	12.6	992.9
80,0°	7.1	3.9	2.2	1.4	0.8	0.5	0.4	0.4	0.3	0.4	0.4	5.2	998.0
82,5°	1.4	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	1.5	999.6
85,0°	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	999.9
87,5°	0.0	0.0	0.0	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

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<b>Dimmstufen-Tabelle</b>		<b>Umgebungstemperatur: 25°C</b>
<b>siteco</b>		

Lichtstrom [%]	Output EVG [%]	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	100	23710	151.3	156.8	154.0
95	94	22531	142.1	147.2	144.7
90	88	21314	133.1	137.9	135.5
85	82	20072	124.1	128.5	126.3
80	77	19007	116.5	120.7	118.6
75	71	17698	107.5	111.3	109.4
70	66	16589	100.2	103.6	101.9
65	61	15464	92.8	96.1	94.4
60	56	14317	85.4	88.4	86.9
55	51	13154	78.2	80.8	79.5
50	46	11967	70.9	73.3	72.1
45	41	10762	63.6	65.8	64.7
40	36	9533	56.4	58.2	57.3
35	31	8289	49.2	50.7	49.9
30	26	7023	42.0	43.3	42.6
25	22	5997	36.2	37.3	36.7
20	17	4700	29.1	30.0	29.5
15	13	3646	23.4	24.0	23.7

## Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Output EVG [%]	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	100	24480	153.1	158.6	155.8
95	94	23224	143.9	148.9	146.4
90	88	21933	134.7	139.5	137.1
85	83	20842	127.1	131.6	129.4
80	77	19505	118.0	122.2	120.1
75	72	18365	110.5	114.3	112.4
70	67	17213	103.0	106.6	104.8
65	61	15812	94.0	97.3	95.6
60	56	14621	86.6	89.6	88.1
55	51	13418	79.3	81.9	80.6
50	46	12194	71.9	74.3	73.1
45	41	10953	64.5	66.7	65.6
40	36	9693	57.2	59.1	58.2
35	32	8676	51.3	53.0	52.2
30	27	7389	44.1	45.5	44.8
25	22	6082	36.8	37.9	37.3
21	18	5026	31.0	31.9	31.5
15	13	3691	23.8	24.4	24.1

## Dimmstufen-Tabelle

Umgebungstemperatur: 15°C

## Lichttechnischer Prüfbefund

Familie

Streetlight 21 midi LED

Bestell-Nr.: 5XE3C42B08NA

EAN: 4058352472521

LP-Nummer

59082\_19

Lichtstrom [%]	Output EVG [%]	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	100	24120	152.1	157.7	154.9
95	94	22900	142.9	148.0	145.5
90	88	21645	133.8	138.7	136.2
85	83	20581	126.3	130.8	128.6
80	77	19274	117.2	121.4	119.3
75	72	18157	109.7	113.6	111.7
70	66	16799	100.8	104.3	102.5
65	61	15652	93.3	96.7	95.0
60	56	14481	86.0	88.9	87.5
55	51	13296	78.7	81.4	80.0
50	46	12090	71.3	73.8	72.5
45	41	10866	64.1	66.2	65.2
40	36	9620	56.8	58.6	57.7
35	31	8360	49.5	51.0	50.3
30	27	7339	43.7	45.1	44.4
25	22	6044	36.5	37.6	37.0
20	17	4734	29.3	30.2	29.7
15	13	3671	23.6	24.2	23.9

## Lichttechnischer Prüfbefund

Familie

Streetlight 21 midi LED

Bestell-Nr.: 5XE3C42B08NA

EAN: 4058352472521

LP-Nummer

59082\_19

### Lichtstrom-Tabelle

SITECO

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	23710.0	151.3
5.0	24480.0	153.1
15.0	24120.0	152.1