

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 5XE3E43T08NB**  
**EAN: 4058352729014**

**LP-Nummer**  
**59079\_113**



**Ausführung** Mastansatz- / Mastaufsatzmontage, Smart Interface oben/unten  
**Optik** asymmetrisch, breit strahlend (STW1.0a G)  
**Abdeckung** Einscheibensicherheitsglas (ESG)  
**Bestückung** LED 4000 K | CRI  $\geq$  70  
**Betriebsgerät** EVG-Smart Interface  
**Bemessungswerte** Nettolichtstrom = 23710 lm  
 Systemleistung = 151.2 W  
 Lichtausbeute = 156.8 lm/W

**Seriendokumentation**  
**23.08.2022**

**sitEco**

**Lichtstärke in cd/klm**

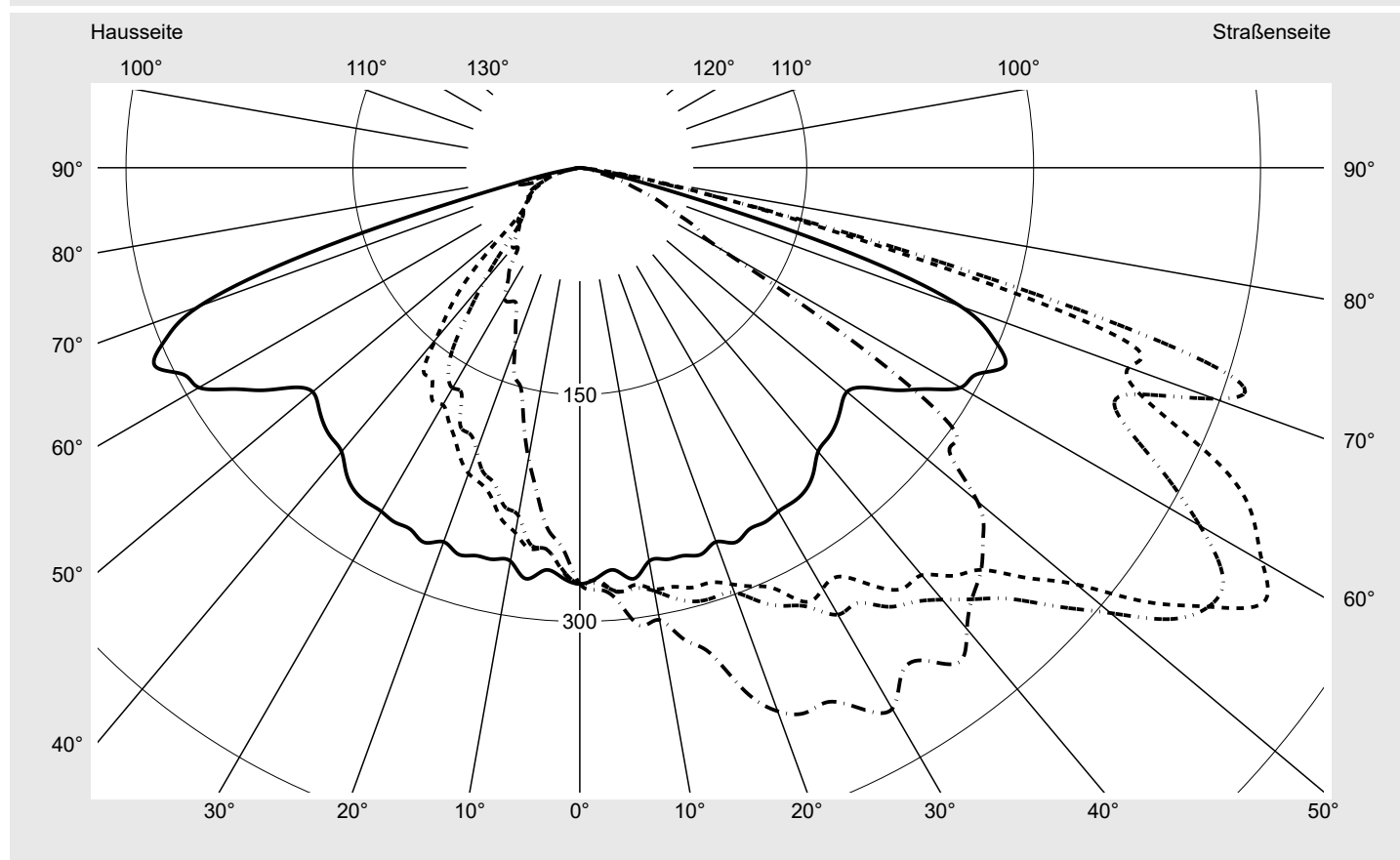
**C180-0**

**C200-20**

**C205-25**

**C270-90**

**Imax: 535 cd/klm**



**Leuchtenbetriebswirkungsgrade**

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

**Lichtstärkeklasse nach EN13201-2**

Klasse:	G4
Imax 70°	486.3
Imax 80°	49.2
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

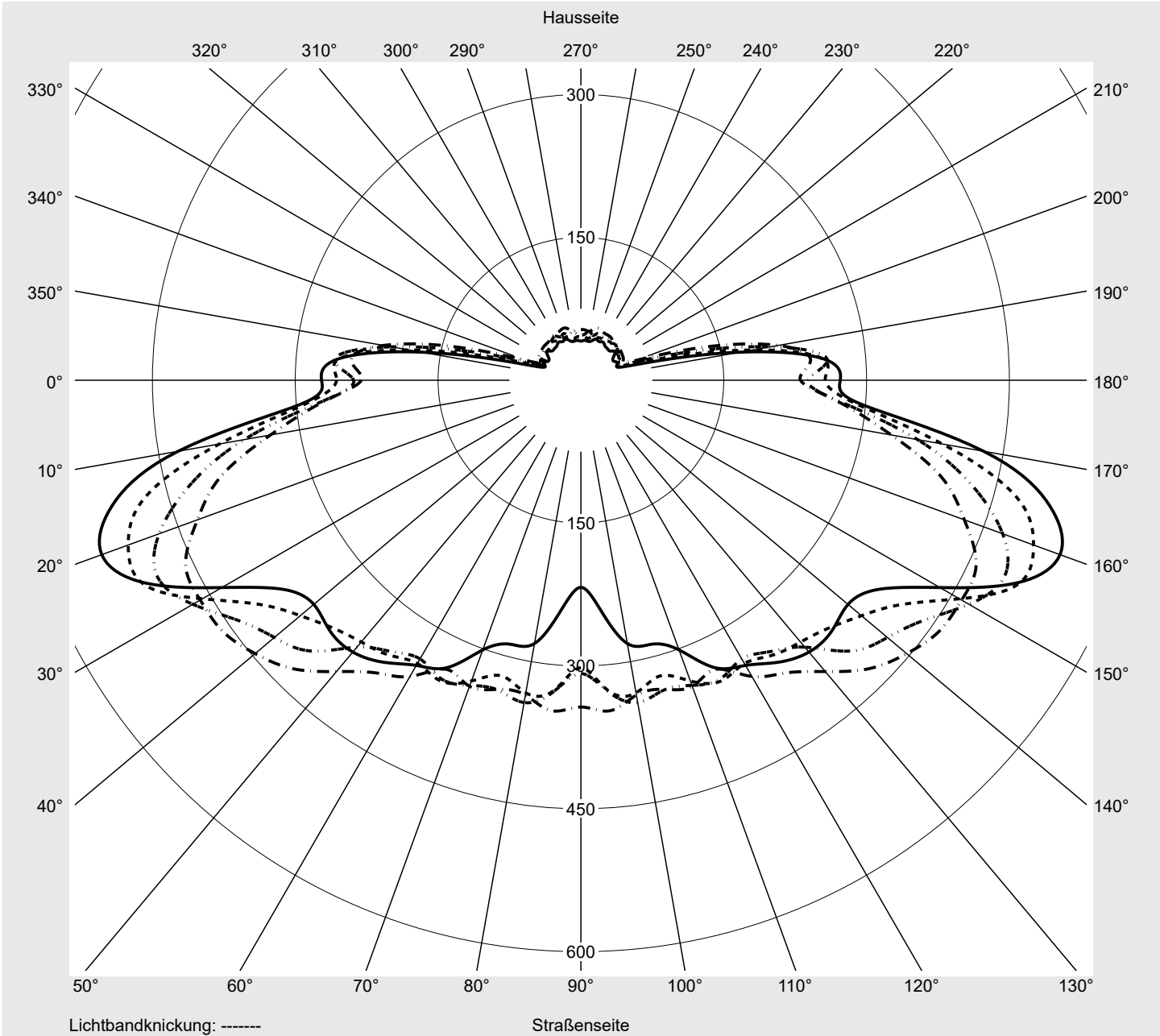
**Messbedingungen**

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

<b>Familie</b> Streetlight 21 midi LED	<b>Bestell-Nr.:</b> 5XE3E43T08NB <b>EAN:</b> 4058352729014	<b>LP-Nummer</b> 59079_113
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**Kegelmantelkurven in cd/klm**    **KMK 57,5°**    **KMK 55°**    **KMK 52,5°**    **KMK 50°**    **siteco**



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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°	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2
2,5°	271.1	272.6	274.2	272.4	273.1	275.0	271.7	272.5	277.2	276.0	276.0	276.0	273.8
5,0°	267.1	272.9	275.2	280.1	281.5	281.2	280.8	282.7	283.1	284.1	282.6	285.7	289.7
7,5°	274.1	279.0	277.5	278.4	278.2	280.5	282.2	280.1	280.7	279.4	280.1	282.2	287.0
10,0°	264.1	267.7	274.1	281.5	282.9	284.1	284.6	289.0	288.4	289.8	289.4	296.1	298.5
12,5°	265.2	273.1	281.9	286.0	283.8	291.7	297.8	297.4	299.9	302.2	305.4	304.8	305.6
15,0°	265.5	268.6	273.1	278.4	287.3	296.8	296.7	300.7	302.2	302.6	306.1	317.4	327.7
17,5°	267.8	273.0	278.7	286.4	287.5	297.6	312.8	307.7	310.5	319.9	331.7	332.0	337.4
20,0°	263.2	276.0	283.2	285.6	293.0	298.9	314.1	316.9	322.0	337.8	350.9	349.4	357.5
22,5°	268.2	277.3	286.1	293.7	299.5	310.4	324.4	326.9	342.4	343.6	356.1	369.0	375.1
25,0°	264.1	279.2	290.5	304.6	307.6	319.6	332.9	339.3	354.0	370.6	376.6	388.5	394.7
27,5°	264.4	278.9	292.5	301.1	323.7	327.4	350.6	352.7	365.4	382.4	390.1	396.0	398.1
30,0°	262.4	282.1	299.4	304.0	321.3	341.2	351.9	364.5	376.7	390.8	402.8	403.1	399.6
32,5°	262.1	278.2	296.7	315.0	320.5	341.4	361.3	372.4	390.8	396.6	408.5	414.4	410.7
35,0°	260.2	274.8	293.4	320.6	337.1	354.3	370.4	374.9	395.6	416.3	417.7	425.9	434.6
37,5°	253.9	269.5	301.7	327.7	350.7	362.0	373.6	396.8	412.7	434.7	432.1	435.0	433.6
40,0°	245.1	278.1	306.0	330.0	351.7	372.8	391.4	402.6	422.5	443.3	435.7	438.1	439.9
42,5°	242.6	268.1	310.3	337.6	365.9	386.9	401.8	431.6	446.3	442.4	453.9	429.3	424.6
45,0°	239.5	273.8	302.3	342.4	376.0	403.2	431.8	441.1	452.0	463.2	443.3	420.5	405.7
47,5°	234.2	273.4	316.7	354.5	401.5	429.6	443.6	448.8	453.7	445.8	421.4	404.1	379.3
50,0°	230.6	273.9	331.1	391.8	428.6	458.0	461.6	459.4	446.6	428.3	399.3	375.2	359.2
52,5°	238.6	277.2	359.1	425.0	471.4	490.3	470.6	439.6	420.2	402.0	365.9	347.7	337.9
55,0°	256.6	291.5	385.6	473.5	505.9	506.7	459.0	410.7	384.7	368.1	358.8	352.1	343.4
57,5°	272.4	297.3	429.5	509.8	535.5	504.1	435.4	382.6	366.2	372.5	372.6	361.5	345.8
60,0°	290.7	312.9	440.7	516.1	520.9	473.3	391.3	379.2	399.9	420.5	391.2	362.4	336.3
62,5°	295.8	319.6	438.3	511.2	501.8	433.9	373.9	424.8	468.3	466.9	396.4	312.7	244.7
65,0°	310.0	306.1	414.0	482.8	468.6	395.4	406.6	503.6	507.9	477.9	351.8	231.9	136.1
67,5°	296.3	284.8	343.3	418.8	408.3	391.9	456.6	515.0	519.3	406.7	244.9	142.9	85.5
70,0°	267.9	221.9	267.0	347.6	386.2	446.6	482.2	486.3	474.1	299.8	141.0	105.2	59.3
72,5°	188.3	130.0	180.7	283.4	375.3	444.0	418.1	427.9	352.8	173.7	109.3	73.5	42.6
75,0°	79.5	49.5	103.3	171.0	226.3	273.0	234.3	258.1	188.4	90.8	79.5	53.3	28.4
77,5°	32.8	26.1	45.5	68.8	109.2	112.3	72.0	72.0	64.4	51.6	54.2	38.7	20.2
80,0°	12.7	11.2	13.8	29.0	49.2	38.8	18.1	12.1	17.2	27.4	33.2	21.4	13.7
82,5°	3.2	2.9	2.9	5.3	16.4	9.5	4.8	5.8	4.2	4.2	8.1	8.7	8.6
85,0°	1.0	0.7	1.0	1.2	1.0	1.3	1.2	1.3	1.3	1.2	1.1	1.3	1.4
87,5°	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.1	0.2	0.3	0.1	0.1
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°	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2
2,5°	275.4	276.4	275.8	278.7	278.6	279.2	271.9	270.2	267.9	266.6	265.7	265.4	263.3
5,0°	286.6	286.7	285.9	286.3	284.1	287.4	264.7	262.8	256.2	253.3	253.1	251.8	249.4
7,5°	296.6	297.2	303.1	302.6	302.8	305.2	270.5	262.1	259.5	254.0	251.0	248.1	242.3
10,0°	301.8	296.6	299.1	304.9	306.9	303.6	259.4	258.2	251.7	245.1	233.7	230.0	225.1
12,5°	309.7	314.4	316.9	312.5	316.6	319.6	255.9	247.6	242.0	238.3	229.5	217.0	207.4
15,0°	330.0	333.2	335.6	336.4	331.8	332.1	257.5	245.9	237.1	225.7	216.8	209.9	200.7
17,5°	340.4	350.7	346.9	351.7	356.5	362.7	255.8	243.9	231.9	218.7	211.5	199.8	188.0
20,0°	362.8	363.2	373.1	382.4	380.6	382.4	252.3	241.2	228.1	215.1	199.2	189.6	172.4
22,5°	387.9	383.3	388.4	391.7	392.5	390.0	253.3	235.4	220.1	206.9	190.3	176.2	163.6
25,0°	395.3	398.5	402.1	400.7	402.0	389.6	250.3	227.6	210.8	196.3	187.2	166.5	152.4
27,5°	401.7	407.5	403.6	409.3	400.9	403.3	260.7	230.3	210.7	188.2	169.1	157.2	146.2
30,0°	413.5	413.1	416.0	405.9	412.5	413.1	252.2	228.6	208.9	181.1	168.2	150.9	126.5
32,5°	416.5	415.7	415.4	407.1	400.4	396.3	250.2	222.7	203.8	181.8	161.7	133.9	105.2
35,0°	424.4	420.6	411.8	403.2	413.5	397.8	239.8	214.2	199.1	170.3	146.6	110.2	83.9
37,5°	425.9	417.6	417.5	409.3	406.8	412.1	226.9	213.4	196.8	169.6	121.4	85.3	67.5
40,0°	424.1	425.5	404.9	403.6	392.5	398.2	225.0	212.7	194.7	148.3	99.2	71.0	64.3
42,5°	423.2	393.4	395.9	380.3	376.0	384.5	217.5	213.5	183.3	128.6	79.8	58.6	62.0
45,0°	389.6	380.7	368.6	371.4	374.3	375.4	224.9	214.4	166.7	108.0	62.0	58.1	54.8
47,5°	370.2	345.8	351.5	356.1	365.4	361.7	224.3	217.2	151.3	82.7	53.5	53.3	57.7
50,0°	334.9	342.1	336.0	335.7	348.4	343.1	242.2	210.6	134.8	60.0	49.0	50.8	51.6
52,5°	346.2	341.0	336.8	343.7	328.2	308.0	259.4	202.0	112.3	49.3	46.8	46.3	48.4
55,0°	348.5	336.1	321.4	333.3	327.1	301.8	255.3	183.3	89.9	43.5	43.5	43.4	45.5
57,5°	333.1	301.4	287.0	280.8	243.0	217.5	256.1	169.8	70.2	40.4	42.6	39.9	41.4
60,0°	279.1	240.3	177.8	140.7	115.6	108.0	237.5	150.4	54.0	37.7	41.5	39.6	41.3
62,5°	178.1	124.1	98.0	100.8	85.8	88.1	239.1	140.0	43.7	36.8	36.2	37.1	37.9
65,0°	99.1	83.2	78.4	82.9	69.1	68.0	241.7	135.3	46.2	32.9	35.4	35.4	34.2
67,5°	67.6	65.4	58.0	59.1	52.8	55.0	240.2	129.6	40.5	27.7	30.8	32.7	30.2
70,0°	54.9	49.1	44.3	41.8	38.6	38.8	219.4	108.6	29.5	25.1	24.9	26.1	25.9
72,5°	37.5	35.8	30.6	29.5	27.8	29.1	182.7	84.2	24.7	21.6	21.1	20.7	20.3
75,0°	27.1	24.4	19.7	18.6	15.6	14.7	95.9	46.9	22.2	15.0	16.2	15.3	14.5
77,5°	16.0	13.2	12.0	10.3	11.8	9.8	39.9	12.4	10.7	9.4	9.8	10.7	10.3
80,0°	9.9	6.2	5.3	5.1	4.8	4.8	13.7	6.5	4.8	4.8	4.6	5.9	6.2
82,5°	3.9	2.2	1.7	1.8	1.9	1.6	2.3	2.3	2.4	2.4	2.2	2.5	3.4
85,0°	0.8	0.3	0.5	0.4	0.5	0.7	1.0	0.7	0.8	0.7	0.7	0.8	0.6
87,5°	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
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	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°	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	275.2	0.4	0.4
2,5°	260.8	259.8	256.9	253.8	251.0	252.2	251.9	249.9	250.5	250.2	252.4	3.2	3.6
5,0°	248.3	248.0	247.6	244.7	243.8	240.8	239.7	238.1	240.3	238.3	240.2	6.3	10.0
7,5°	237.6	230.9	229.2	228.6	224.8	222.0	219.4	218.6	215.7	216.7	216.9	9.4	19.3
10,0°	221.3	214.6	208.2	202.9	198.7	198.8	199.0	198.0	198.2	198.1	195.2	12.2	31.5
12,5°	203.7	196.8	192.2	183.7	183.6	182.0	181.0	176.7	174.1	172.2	171.5	15.0	46.5
15,0°	186.5	178.0	176.2	169.6	166.7	160.1	155.8	154.1	151.7	150.9	150.6	17.7	64.2
17,5°	176.1	167.1	157.8	153.5	148.4	147.6	144.8	144.9	145.1	146.7	143.8	20.7	84.8
20,0°	164.3	155.9	149.9	146.2	140.9	137.2	131.6	130.4	128.3	126.9	124.9	23.6	108.5
22,5°	154.2	146.7	140.2	130.7	122.7	116.4	112.1	109.0	111.6	108.2	110.7	26.4	134.9
25,0°	142.1	130.1	120.6	106.7	103.3	95.5	98.8	96.4	97.5	97.4	99.3	29.1	164.0
27,5°	123.7	109.6	92.1	90.5	86.8	87.4	88.0	94.3	96.2	99.4	99.8	31.7	195.7
30,0°	104.3	88.4	83.4	81.7	84.9	91.2	91.8	95.1	93.2	95.8	99.4	34.4	230.1
32,5°	81.6	73.6	73.0	73.4	77.3	81.3	81.6	84.1	86.0	82.6	88.3	36.5	266.6
35,0°	69.6	66.2	65.4	69.0	64.3	66.1	67.8	70.2	73.5	73.0	80.2	38.6	305.2
37,5°	70.3	69.8	68.3	63.8	63.8	59.8	62.3	66.0	64.0	64.6	67.3	41.0	346.2
40,0°	65.5	66.3	67.3	63.3	62.7	67.0	69.6	69.2	66.5	65.0	68.9	43.2	389.4
42,5°	64.0	62.1	68.3	59.5	72.1	75.8	71.4	68.4	64.4	63.6	62.6	45.0	434.4
45,0°	58.5	58.8	65.2	59.8	62.5	64.7	64.0	60.4	60.0	57.6	57.0	46.3	480.6
47,5°	53.8	57.1	57.5	58.4	56.9	59.5	56.5	57.2	57.7	57.2	54.4	47.2	527.9
50,0°	52.4	52.7	52.9	54.9	55.1	55.6	57.4	56.4	52.2	52.9	53.2	48.3	576.2
52,5°	50.2	51.8	51.5	52.5	53.4	50.3	52.2	48.7	52.1	48.7	47.6	49.5	625.7
55,0°	47.0	47.2	50.2	49.9	48.0	48.9	47.8	47.7	44.7	45.8	45.7	50.6	676.3
57,5°	46.6	43.4	43.3	44.0	46.3	44.9	46.0	42.7	41.6	42.0	41.1	50.5	726.8
60,0°	39.7	40.8	39.5	40.4	40.2	41.0	40.9	42.6	41.2	41.2	39.3	48.0	774.8
62,5°	36.9	38.6	35.2	36.9	36.9	36.9	37.6	37.2	37.3	37.5	36.1	45.8	820.6
65,0°	33.7	36.6	36.0	30.8	34.2	31.7	33.6	34.0	34.8	34.2	33.8	43.9	864.4
67,5°	30.7	30.9	31.1	30.5	30.9	30.4	30.0	32.6	33.0	32.5	32.0	40.1	904.6
70,0°	24.9	27.9	27.6	27.1	28.7	24.9	27.3	28.1	30.3	29.7	29.0	35.7	940.2
72,5°	20.6	22.8	23.9	24.1	24.1	24.0	23.7	24.0	28.1	31.5	34.3	29.2	969.4
75,0°	16.2	18.4	21.1	21.3	20.4	20.7	19.2	19.2	26.6	34.8	38.2	17.7	987.1
77,5°	10.5	11.5	15.4	16.1	16.5	15.0	14.2	12.3	12.7	7.0	5.2	8.0	995.1
80,0°	7.0	7.3	9.5	11.3	13.1	11.1	7.6	9.0	5.4	1.0	1.0	3.5	998.6
82,5°	3.1	4.6	5.5	6.4	6.3	4.6	4.5	3.8	1.9	0.6	0.3	1.2	999.7
85,0°	0.9	0.9	0.9	1.0	0.9	0.8	0.7	0.7	0.2	0.1	0.0	0.2	1000.0
87,5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	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

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

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	23710	151.2	156.8	154.0
95	239	252	22550	142.3	147.4	144.9
90	224	249	21353	133.3	138.2	135.8
85	209	247	20131	124.5	128.9	126.7
80	195	244	18958	116.2	120.3	118.2
75	181	242	17754	107.9	111.7	109.8
70	168	239	16620	100.4	103.8	102.1
65	154	236	15380	92.2	95.5	93.8
60	141	232	14204	84.7	87.6	86.2
55	128	229	13011	77.3	79.9	78.6
50	116	225	11887	70.4	72.7	71.6
45	103	221	10653	63.0	65.1	64.0
40	91	216	9490	56.1	58.0	57.0
35	79	211	8314	49.3	50.9	50.1
30	67	205	7121	42.5	43.9	43.2
25	55	198	5907	35.7	36.8	36.2
20	44	190	4784	29.6	30.4	30.0
15	32	178	3540	22.8	23.4	23.1
12	25	169	2808	19.0	19.5	19.2

## Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	24480	153.0	158.6	155.8
95	239	252	23244	144.0	149.1	146.6
90	225	250	22059	135.6	140.4	138.0
85	210	247	20772	126.6	131.1	128.8
80	196	245	19542	118.3	122.5	120.4
75	183	242	18376	110.5	114.4	112.4
70	169	239	17105	102.3	105.8	104.0
65	156	236	15910	94.6	97.9	96.2
60	143	233	14692	87.0	90.1	88.6
55	130	229	13461	79.5	82.2	80.8
50	117	226	12209	72.0	74.4	73.2
45	105	222	11038	65.0	67.2	66.1
40	92	217	9749	57.5	59.4	58.4
35	80	212	8547	50.6	52.2	51.4
30	68	206	7330	43.7	45.1	44.4
25	56	199	6094	36.8	38.0	37.4
20	44	190	4847	30.0	30.9	30.4
15	33	179	3689	23.7	24.4	24.0
12	25	169	2842	19.3	19.8	19.6

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Streetlight 21 midi LED</b>	<b>Bestell-Nr.: 5XE3E43T08NB</b> <b>EAN: 4058352729014</b>	<b>LP-Nummer</b> <b>59079_113</b>
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<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 15°C	<b>sITeco</b>
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	24120	152.1	157.7	154.9
95	239	252	22920	143.1	148.2	145.6
90	224	249	21685	134.0	139.0	136.5
85	210	247	20512	125.8	130.3	128.0
80	196	245	19310	117.5	121.7	119.6
75	182	242	18079	109.2	113.0	111.1
70	169	239	16921	101.6	105.1	103.4
65	155	236	15657	93.4	96.7	95.1
60	142	233	14458	85.8	88.8	87.3
55	129	229	13246	78.4	81.1	79.8
50	117	226	12105	71.4	73.9	72.6
45	104	221	10853	64.0	66.2	65.1
40	92	217	9675	57.1	59.0	58.0
35	80	212	8486	50.2	51.8	51.0
30	68	206	7281	43.3	44.8	44.0
25	56	199	6056	36.5	37.7	37.1
20	44	190	4819	29.8	30.6	30.2
15	33	179	3669	23.5	24.2	23.8
12	25	169	2827	19.1	19.7	19.4

**Lichttechnischer Prüfbefund**

Familie

**Streetlight 21 midi LED**Bestell-Nr.: **5XE3E43T08NB**EAN: **4058352729014**

LP-Nummer

**59079\_113****Lichtstrom-Tabelle****siteco**

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	23710.0	151.2
5.0	24480.0	153.0
15.0	24120.0	152.1