

## Lichttechnischer Prüfbefund

**Familie**  
**Streetlight 21 mini LED**

**Bestell-Nr.: 5XE2E33T08HB**  
**EAN: 4058352725498**

**LP-Nummer**  
**59077\_761**



**Ausführung** Mastansatz- / Mastaufsatzmontage, Smart Interface oben/unten  
**Optik** asymmetrisch, breit strahlend (STW1.0a)  
**Abdeckung** Einscheibensicherheitsglas (ESG)  
**Bestückung** LED 3000 K | CRI ≥ 70  
**Betriebsgerät** EVG-Smart Interface  
**Bemessungswerte** Nettolichtstrom = 9040 lm  
 Systemleistung = 66.0 W  
 Lichtausbeute = 137 lm/W

**Seriendokumentation**  
**18.07.2022**

**siteco**

**Lichtstärke in cd/klm**

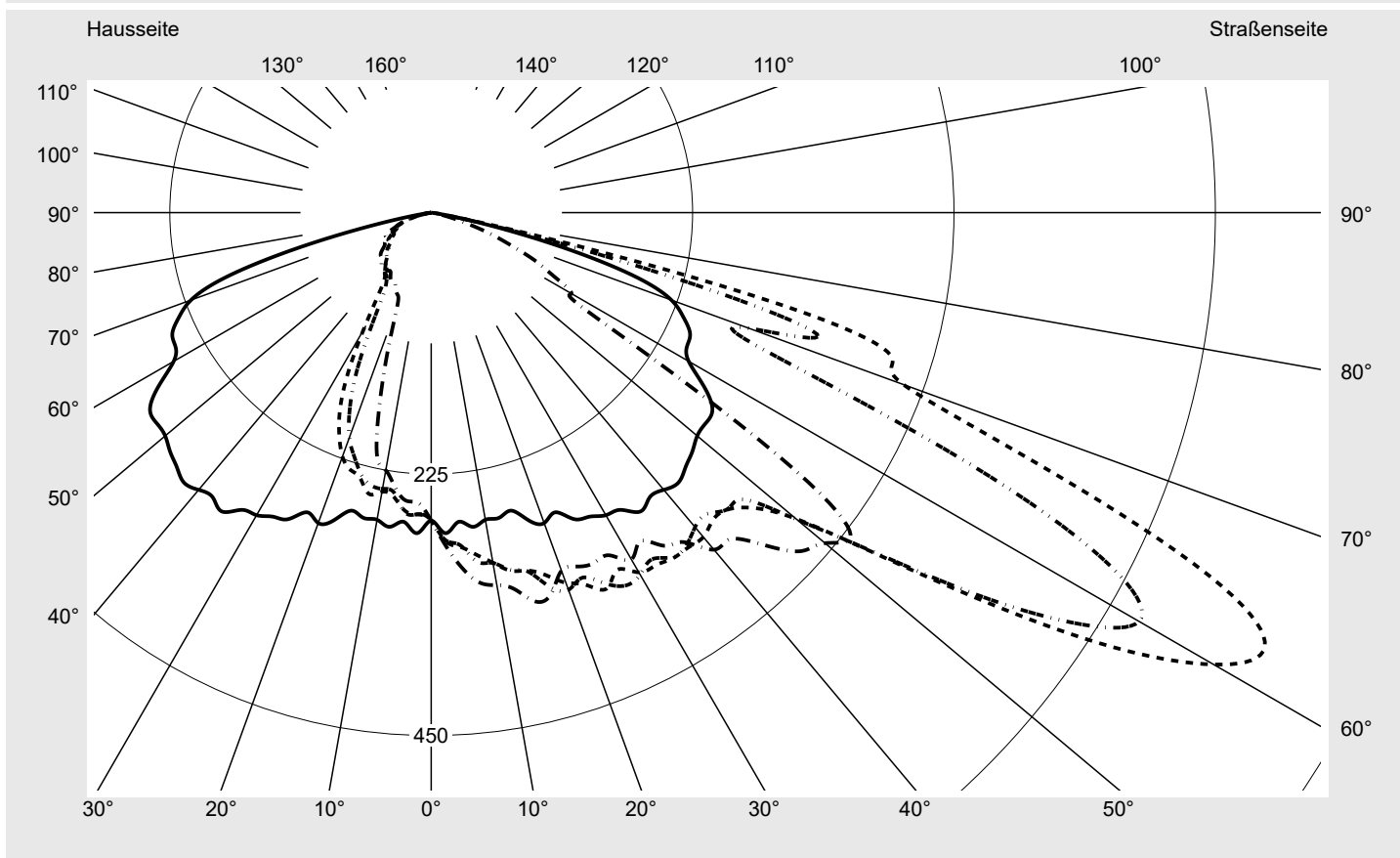
**C180-0**

**C210-30**

**C215-35**

**C270-90**

**Imax: 809 cd/klm**



**Leuchtenbetriebswirkungsgrade**

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

**Lichtstärkeklasse nach EN13201-2**

Klasse:	G4
Imax 70°	498.7
Imax 80°	32.8
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

**Messbedingungen**

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm

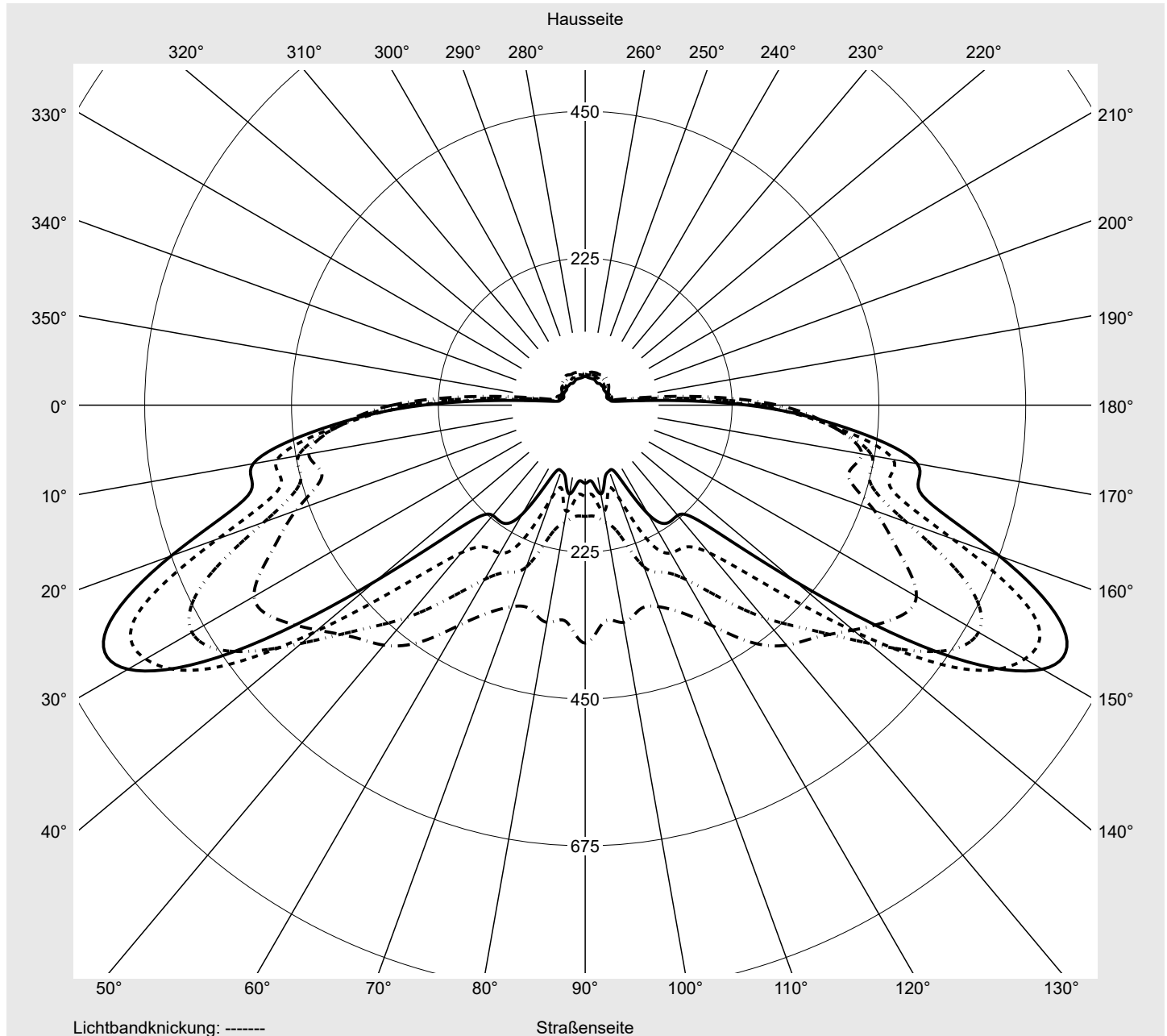
KMK 62,5°

KMK 60°

KMK 57,5°

KMK 55°

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°	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0
2,5°	276.1	278.2	279.9	280.7	282.6	280.9	282.9	282.1	283.9	285.0	286.7	288.0	286.1
5,0°	267.2	269.0	274.7	278.5	279.8	286.4	288.9	287.4	290.8	292.6	294.2	300.0	298.6
7,5°	272.7	275.9	280.1	284.4	288.5	292.4	296.9	303.0	303.7	307.0	310.0	310.1	313.3
10,0°	268.4	272.2	277.4	291.4	300.9	306.8	305.9	306.1	302.0	308.4	313.7	316.2	320.5
12,5°	269.1	273.9	287.4	294.7	304.6	314.3	315.6	314.8	322.9	327.5	331.4	330.3	330.5
15,0°	265.5	276.8	296.7	300.8	305.0	315.9	318.9	319.5	329.6	338.0	337.2	339.7	342.1
17,5°	277.4	287.6	299.4	305.4	315.7	326.6	326.9	337.2	336.9	335.5	339.7	341.4	338.5
20,0°	284.3	295.0	304.2	313.5	321.0	328.4	338.9	345.5	343.3	344.8	347.8	341.7	334.4
22,5°	279.1	294.0	312.1	323.0	327.7	341.0	346.5	340.0	341.6	352.4	351.9	343.1	331.1
25,0°	291.0	303.1	317.1	327.0	339.5	348.9	357.1	351.7	350.1	347.4	339.5	333.6	333.4
27,5°	295.0	309.9	321.7	338.0	351.4	356.8	346.6	361.8	356.7	344.1	331.2	337.6	339.9
30,0°	300.7	317.1	328.5	349.8	355.9	355.9	357.4	359.7	352.9	344.8	333.1	337.4	338.9
32,5°	303.3	318.9	336.3	353.9	359.5	349.5	359.8	353.7	348.0	346.4	340.3	346.7	346.0
35,0°	314.0	326.8	340.1	355.5	360.5	357.7	363.1	362.1	346.9	343.3	345.1	341.2	346.2
37,5°	308.9	327.9	347.5	353.8	357.0	355.0	363.3	360.9	349.1	347.9	346.4	345.8	346.0
40,0°	311.4	332.1	344.0	358.4	357.1	363.3	364.4	353.3	357.7	355.2	353.1	353.4	356.3
42,5°	315.1	342.3	354.5	357.4	364.8	358.6	358.8	351.6	354.4	362.5	363.5	361.8	376.7
45,0°	309.7	352.0	364.3	364.3	367.8	375.0	361.3	360.8	367.0	373.0	384.1	397.1	402.7
47,5°	304.8	361.9	365.7	366.2	379.0	381.6	376.2	365.3	379.3	404.4	419.2	437.2	429.1
50,0°	298.9	376.3	386.3	389.3	397.8	415.1	409.9	410.7	417.6	449.6	467.2	465.5	448.8
52,5°	297.8	384.5	408.5	405.9	426.8	460.3	481.7	479.2	484.8	487.2	491.5	476.7	441.4
55,0°	295.5	381.4	430.2	417.6	471.4	530.1	586.0	573.2	535.9	502.5	479.9	443.5	390.5
57,5°	278.4	380.3	445.9	451.7	523.6	645.7	695.9	657.7	567.6	486.1	424.4	359.9	308.3
60,0°	255.9	384.0	479.3	483.8	599.0	757.2	777.7	703.6	540.3	384.0	295.1	265.7	261.6
62,5°	248.4	402.0	516.6	535.0	675.3	808.8	809.0	659.9	419.1	256.1	220.5	220.2	192.6
65,0°	245.9	422.0	553.6	573.4	711.3	776.7	738.3	510.2	243.5	208.7	192.4	191.3	104.6
67,5°	235.0	425.3	575.2	564.4	621.8	656.3	565.5	314.5	192.3	176.6	153.1	147.2	65.3
70,0°	220.0	417.0	498.7	490.7	467.4	475.7	432.4	290.7	186.4	147.5	119.0	82.6	48.3
72,5°	186.1	339.1	400.0	304.5	275.2	335.3	416.1	348.4	176.7	109.9	75.5	56.3	39.4
75,0°	123.0	169.2	172.4	105.2	89.8	211.1	330.5	216.4	77.4	39.2	49.9	41.1	30.5
77,5°	56.5	71.0	62.1	33.2	30.7	82.6	105.1	73.0	43.5	25.3	37.7	26.1	20.2
80,0°	17.1	18.7	17.1	12.0	10.0	32.8	16.7	12.3	11.9	13.6	24.3	14.2	12.9
82,5°	2.8	2.6	2.8	2.7	4.2	12.7	4.3	4.9	3.6	2.7	7.1	7.5	9.0
85,0°	0.6	1.0	0.8	0.7	0.9	0.6	1.1	1.6	1.2	1.0	1.0	1.0	0.9
87,5°	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	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>

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°	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0
2,5°	287.5	287.6	287.1	287.4	287.0	287.0	273.3	268.1	264.9	264.2	262.9	260.1	259.7
5,0°	298.8	299.6	303.6	304.8	306.2	307.1	263.9	264.0	263.7	260.2	262.6	257.7	259.0
7,5°	311.1	312.7	314.2	315.4	319.9	321.2	264.6	260.9	257.4	253.9	248.6	246.6	243.3
10,0°	322.2	321.1	324.7	324.1	330.8	325.5	261.4	256.1	251.1	248.3	244.7	244.0	241.3
12,5°	332.1	335.3	335.1	332.5	329.2	332.0	262.3	260.1	252.5	246.3	242.6	247.9	240.3
15,0°	337.6	337.3	338.6	345.5	346.4	346.4	261.0	256.5	253.2	248.3	245.2	236.4	233.1
17,5°	341.6	341.9	341.5	339.9	341.6	343.8	270.2	262.3	253.8	247.9	241.6	232.0	220.2
20,0°	335.0	333.0	331.7	327.6	328.6	327.9	267.8	260.8	255.7	239.3	232.0	223.3	206.1
22,5°	329.0	328.2	327.2	332.2	325.7	329.6	271.4	267.7	246.7	240.9	224.1	206.9	183.3
25,0°	334.2	338.9	333.4	328.8	331.6	332.3	273.9	267.1	247.9	230.6	210.1	185.4	153.1
27,5°	345.0	340.9	338.0	336.9	330.6	332.5	281.1	265.5	244.5	212.3	189.3	154.5	114.5
30,0°	347.4	348.6	347.5	338.6	338.7	344.5	287.4	263.9	231.2	198.3	160.4	116.8	84.4
32,5°	348.4	347.2	343.8	343.5	341.8	335.2	290.9	256.1	220.6	179.3	126.7	86.3	72.1
35,0°	347.0	345.2	346.6	347.5	342.5	350.1	287.0	243.6	204.1	146.9	96.2	70.3	66.8
37,5°	350.1	351.8	356.0	359.3	353.9	357.4	278.7	226.5	179.7	108.7	69.8	65.7	65.1
40,0°	361.0	366.3	369.3	373.6	367.6	378.6	271.5	211.0	146.0	80.9	62.4	61.5	61.5
42,5°	385.5	380.9	382.4	379.9	385.9	381.1	253.2	192.1	110.3	60.5	58.0	57.7	57.7
45,0°	410.8	397.6	391.9	399.7	411.0	404.2	243.1	159.0	76.9	55.3	55.2	53.6	54.0
47,5°	433.6	414.0	411.4	415.7	420.3	431.3	227.6	126.7	55.1	50.4	51.7	51.7	52.1
50,0°	445.6	425.7	419.8	449.5	443.7	442.5	210.7	88.3	49.0	47.6	47.1	49.3	47.6
52,5°	416.0	395.0	398.9	443.8	448.1	454.9	180.9	59.1	45.7	45.0	43.8	45.3	45.8
55,0°	351.0	328.5	323.8	337.9	333.0	364.6	154.6	48.8	43.8	42.1	39.9	41.0	43.9
57,5°	282.3	263.7	206.2	182.5	171.1	170.4	121.8	44.9	41.6	41.3	39.9	40.0	43.9
60,0°	229.7	151.7	135.7	165.2	139.3	139.5	86.6	41.6	37.8	38.2	38.7	36.9	40.7
62,5°	120.0	107.2	116.5	138.1	117.6	119.8	77.0	39.6	36.3	35.0	36.5	37.2	37.1
65,0°	83.4	91.6	95.7	104.6	97.6	100.3	69.3	36.7	32.8	31.9	34.4	37.0	32.8
67,5°	67.6	73.1	74.5	77.1	78.6	76.2	54.0	28.7	29.8	27.7	32.7	34.8	32.1
70,0°	52.0	55.8	56.0	55.7	56.2	56.3	41.4	23.6	24.9	23.4	27.3	28.8	27.1
72,5°	39.0	39.0	37.7	39.2	37.6	36.6	39.4	19.2	19.3	19.8	21.9	22.2	21.5
75,0°	24.8	24.3	23.5	23.2	21.8	20.8	33.9	14.3	14.8	15.1	17.1	14.6	15.3
77,5°	14.2	13.2	12.7	11.4	11.4	9.5	22.2	10.4	8.7	9.2	11.9	11.0	10.9
80,0°	7.8	5.8	5.4	4.1	4.0	2.8	9.0	5.5	5.3	4.7	5.5	5.6	6.8
82,5°	3.8	1.6	1.4	1.0	1.4	0.9	2.5	2.3	2.2	2.3	2.5	2.8	3.4
85,0°	0.6	0.4	0.3	0.3	0.3	0.4	0.8	0.7	0.8	0.8	0.7	0.9	1.0
87,5°	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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

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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
$\gamma$	Lichtstärke in cd/klm											Lichtstrom in lm/klm	
0,0°	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	0.4	0.4
2,5°	256.9	256.0	255.6	256.1	254.6	252.5	250.9	249.4	248.9	249.4	250.4	3.2	3.6
5,0°	255.7	253.9	254.1	252.3	249.0	249.7	248.6	248.0	246.8	248.4	248.8	6.5	10.2
7,5°	240.3	241.6	243.4	240.7	241.4	239.6	241.1	240.8	239.1	237.5	238.3	9.8	20.0
10,0°	240.0	236.3	237.0	232.8	230.3	226.3	227.2	227.7	229.3	228.1	225.1	13.0	33.0
12,5°	232.1	228.4	226.2	223.2	220.3	215.5	208.4	206.4	206.3	212.3	215.0	16.3	49.3
15,0°	228.7	218.0	206.6	202.2	200.2	193.2	184.1	176.9	174.8	172.2	172.4	19.2	68.5
17,5°	209.4	198.3	189.0	174.2	161.0	148.0	139.2	129.3	122.8	121.0	123.7	21.6	90.1
20,0°	192.2	169.1	150.1	131.9	115.1	104.2	97.2	89.9	88.2	86.4	85.0	23.5	113.6
22,5°	156.5	129.9	107.3	94.2	82.7	77.8	78.4	76.9	75.2	76.8	76.1	25.4	139.0
25,0°	117.5	93.4	80.0	74.6	74.6	73.9	73.1	74.0	72.0	74.0	72.3	27.6	166.6
27,5°	87.2	75.8	71.2	72.6	73.4	71.9	71.0	71.6	70.4	71.1	67.8	29.8	196.4
30,0°	73.6	70.2	72.9	71.5	70.4	71.0	69.8	70.1	68.1	67.3	68.0	32.0	228.4
32,5°	67.8	68.1	67.7	70.5	70.7	68.2	67.0	65.7	64.1	63.6	65.2	33.9	262.4
35,0°	66.4	67.3	66.7	66.1	65.8	64.8	64.9	64.1	64.6	62.1	61.4	35.8	298.2
37,5°	67.0	67.1	66.4	64.8	64.1	62.0	62.1	63.5	62.3	64.1	62.6	37.7	335.9
40,0°	65.2	69.2	62.8	60.8	59.4	59.4	62.3	62.4	60.3	60.0	60.4	39.8	375.7
42,5°	64.4	66.3	68.6	56.9	57.5	58.5	59.4	60.7	57.9	58.0	62.3	42.0	417.7
45,0°	61.0	62.0	77.2	58.2	58.6	59.2	60.0	59.8	60.6	60.1	60.3	44.9	462.5
47,5°	53.1	53.8	65.9	58.5	59.2	58.8	59.9	60.0	59.8	59.0	57.8	47.8	510.3
50,0°	49.0	52.4	58.1	59.5	60.2	57.5	58.4	56.2	56.5	55.8	56.8	51.7	562.1
52,5°	47.6	51.8	55.7	54.3	55.8	54.5	53.9	54.8	53.8	53.5	53.4	54.9	616.9
55,0°	47.0	49.2	51.3	53.6	53.4	51.8	52.2	51.8	51.3	49.3	48.8	55.2	672.1
57,5°	45.4	44.7	46.5	47.9	48.4	48.5	47.8	47.7	47.4	46.4	47.2	53.2	725.3
60,0°	41.2	41.2	43.3	43.3	43.7	45.9	44.1	44.4	44.6	44.1	43.7	51.8	777.1
62,5°	37.1	39.0	39.1	39.8	38.6	39.5	41.5	41.8	42.1	42.8	44.1	49.6	826.7
65,0°	33.4	34.7	37.0	36.8	35.8	36.8	38.8	37.6	40.4	42.1	41.9	46.0	872.7
67,5°	29.7	31.0	32.3	32.5	32.0	32.6	33.8	36.5	37.1	35.6	34.6	40.0	912.8
70,0°	25.9	28.0	28.5	28.5	28.1	28.2	29.6	31.2	31.7	30.2	29.9	33.5	946.3
72,5°	21.7	23.7	24.6	25.3	25.5	26.0	25.4	26.6	27.1	26.8	25.0	26.9	973.2
75,0°	17.0	18.4	21.4	20.6	20.1	20.9	20.3	21.1	22.0	20.0	20.2	15.6	988.8
77,5°	12.3	14.7	16.6	16.7	16.2	16.3	15.3	12.3	9.2	7.0	6.0	7.1	995.9
80,0°	7.5	8.6	11.2	12.9	13.0	11.5	9.3	6.4	3.8	1.9	1.2	2.8	998.7
82,5°	3.8	4.4	5.7	8.4	8.1	7.0	4.2	2.7	1.4	0.5	0.4	1.1	999.7
85,0°	1.4	1.4	1.6	1.6	1.8	1.5	0.8	0.5	0.4	0.1	0.1	0.2	1000.0
87,5°	0.2	0.2	0.2	0.1	0.1	0.1	0.1	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	9040	66.0	68.9	67.4
95	238	252	8589	61.7	64.5	63.1
90	223	249	8148	57.8	60.3	59.0
85	208	247	7691	53.8	56.3	55.0
80	193	244	7227	50.0	52.2	51.1
75	179	241	6776	46.4	48.4	47.4
70	165	238	6317	42.9	44.6	43.8
65	152	235	5882	39.6	41.2	40.4
60	139	232	5439	36.2	37.8	37.0
55	126	228	4984	33.0	34.4	33.7
50	113	224	4520	29.8	31.0	30.4
45	101	220	4082	26.8	27.9	27.4
40	88	215	3597	23.6	24.6	24.1
35	77	210	3178	20.9	21.8	21.4
30	65	204	2713	18.0	18.7	18.4
25	54	197	2279	15.3	15.8	15.6
20	42	188	1797	12.4	12.8	12.6
16	34	180	1471	10.5	10.8	10.6

## Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	9290	66.8	69.7	68.2
95	238	252	8812	62.4	65.3	63.8
90	223	249	8350	58.6	61.1	59.8
85	209	247	7904	54.8	57.3	56.0
80	194	244	7420	50.9	53.1	52.0
75	180	241	6953	47.2	49.4	48.3
70	167	239	6515	43.9	45.8	44.8
65	153	235	6030	40.3	42.1	41.2
60	140	232	5574	36.9	38.5	37.7
55	127	229	5107	33.8	35.1	34.4
50	114	225	4631	30.5	31.8	31.2
45	102	221	4184	27.5	28.5	28.0
40	90	216	3728	24.4	25.4	24.9
35	78	211	3263	21.5	22.3	21.9
30	66	205	2789	18.5	19.2	18.8
25	54	197	2309	15.5	16.1	15.8
20	43	189	1860	12.8	13.3	13.0
16	34	180	1488	10.7	11.0	10.8

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Streetlight 21 mini LED</b>	<b>Bestell-Nr.: 5XE2E33T08HB</b> <b>EAN: 4058352725498</b>	<b>LP-Nummer</b> <b>59077_761</b>
<b>Dimmstufen-Tabelle</b>		<b>Umgebungstemperatur: 15°C</b>
<b>siteco</b>		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	9180	66.4	69.3	67.8
95	238	252	8716	62.1	64.9	63.5
90	223	249	8262	58.2	60.7	59.4
85	208	247	7794	54.2	56.6	55.4
80	194	244	7351	50.6	52.8	51.7
75	180	241	6891	46.9	49.1	48.0
70	166	238	6425	43.3	45.2	44.2
65	153	235	5982	40.0	41.8	40.9
60	139	232	5497	36.5	38.1	37.3
55	126	228	5035	33.2	34.6	33.9
50	114	225	4600	30.3	31.5	30.9
45	101	220	4121	27.0	28.1	27.6
40	89	216	3668	24.0	24.9	24.4
35	77	210	3205	21.1	21.9	21.5
30	65	204	2735	18.1	18.8	18.5
25	54	197	2297	15.4	15.9	15.6
20	43	189	1851	12.7	13.2	13.0
16	34	180	1481	10.6	10.9	10.8

## Lichttechnischer Prüfbefund

**Familie**  
**Streetlight 21 mini LED**

**Bestell-Nr.: 5XE2E33T08HB**  
**EAN: 4058352725498**

**LP-Nummer**  
**59077\_761**

### Lichtstrom-Tabelle

**sITeco**

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	9040.0	66.0
5.0	9290.0	66.8
15.0	9180.0	66.4