

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 5XE3R31D08NB**  
**EAN: 4069025150646**

**LP-Nummer**  
**59538\_87**



**Ausführung** Mastansatz- / Mastaufsatzmontage  
**Optik** asymmetrisch, extrem breit strahlend (P0.8a G), Back Light Control (BLC)  
**Abdeckung** Einscheibensicherheitsglas (ESG)  
**Bestückung** LED 3000 K | CRI ≥ 70  
**Betriebsgerät** EVG SITECO iQ  
**Bemessungswerte** Nettolichtstrom = 20170 lm  
 Systemleistung = 155.5 W  
 Lichtausbeute = 129.7 lm/W

**Seriendokumentation**  
**18.01.2024**

**siteco**

**Lichtstärke in cd/klm**

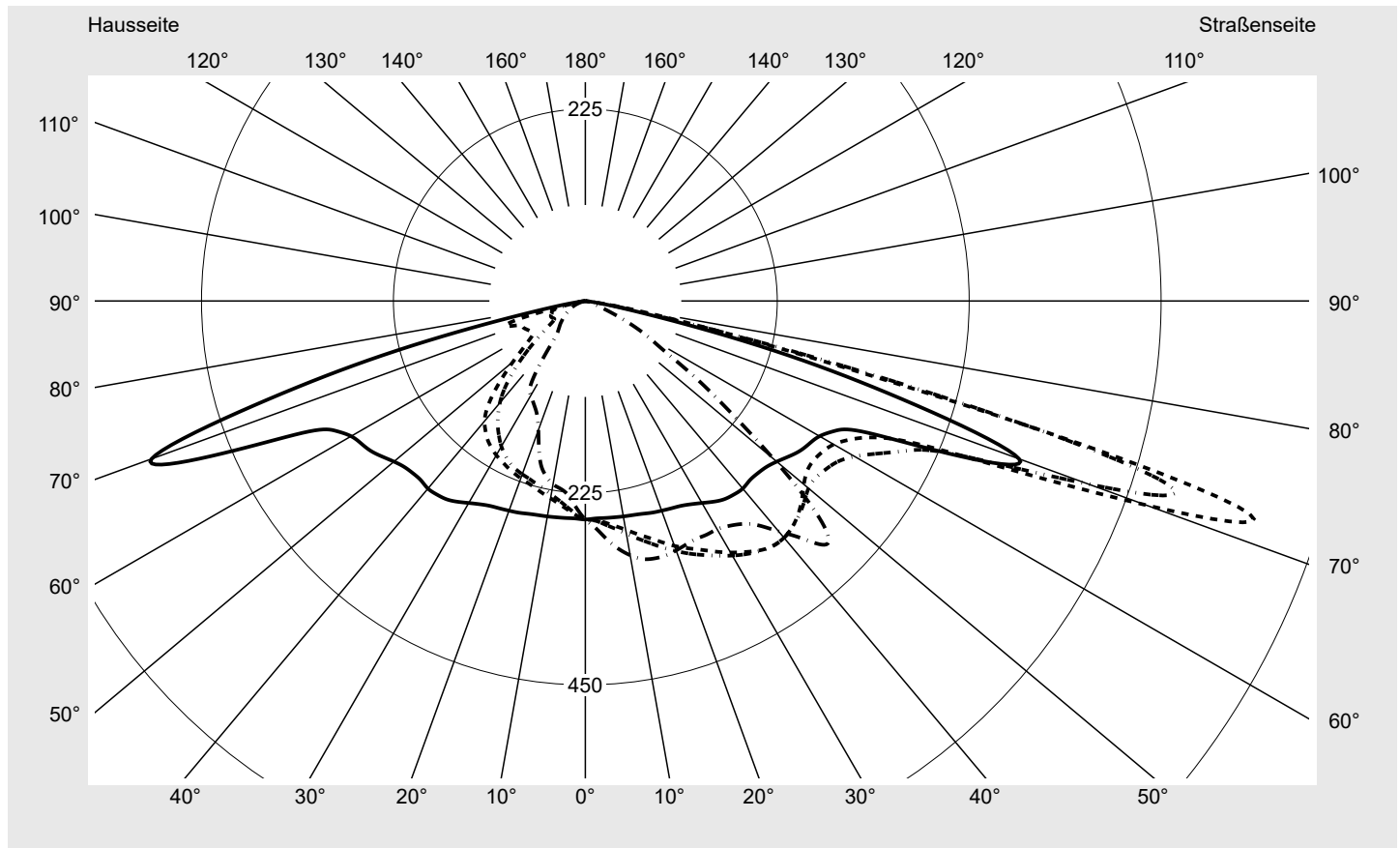
**C180-0**

**C200-20**

**C205-25**

**C270-90**

**Imax: 802 cd/klm**



**Leuchtenbetriebswirkungsgrade**

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

**Lichtstärkeklasse nach EN13201-2**

Klasse: G3  
 Imax 70° 699.8  
 Imax 80° 48.9  
 Imax 90° 0.0  
 Imax >90° 0.0  
 Imax >95° 0.0

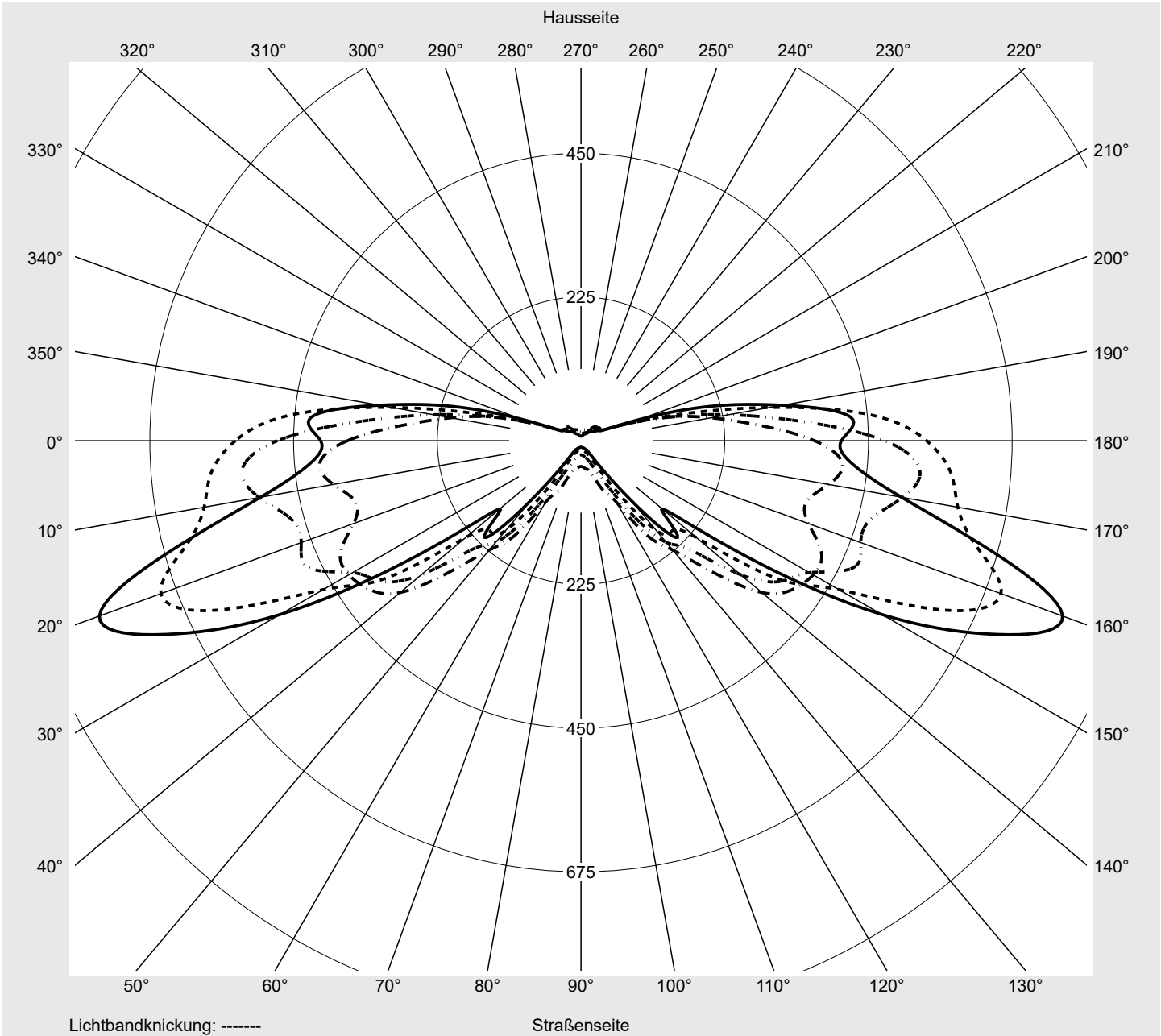
**Messbedingungen**

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

<b>Familie</b> Streetlight 21 midi LED	<b>Bestell-Nr.:</b> 5XE3R31D08NB <b>EAN:</b> 4069025150646	<b>LP-Nummer</b> 59538_87
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**Kegelmantelkurven in cd/klm**    **KMK 72,5°**    **KMK 70°**    **KMK 67,5°**    **KMK 65°**    **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°	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

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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°	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

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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
$\gamma$	Lichtstärke in cd/klm											Lichtstrom 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

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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	20170	155.5	162.3	158.9
95	241	252	19138	145.2	151.4	148.3
90	229	250	18185	136.1	141.8	139.0
85	216	248	17152	126.6	131.8	129.2
80	203	246	16120	117.4	122.2	119.8
75	190	243	15088	108.5	112.9	110.7
70	178	241	14135	100.5	104.6	102.6
65	165	238	13103	92.0	95.8	93.9
60	152	235	12070	83.8	87.1	85.4
55	140	232	11117	76.5	79.5	78.0
50	127	229	10085	68.7	71.5	70.1
45	114	225	9053	61.1	63.6	62.4
40	102	221	8100	54.3	56.5	55.4
35	89	216	7067	47.0	48.9	48.0
30	76	210	6035	39.8	41.3	40.6
25	63	203	5003	32.8	34.0	33.4
20	51	195	4050	26.6	27.6	27.1
15	38	184	3018	20.0	20.8	20.4
10	25	169	1985	13.6	14.1	13.8
9	23	166	1826	12.6	13.1	12.8

## Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	20170	151.3	157.7	154.5
95	241	252	19138	141.7	147.7	144.7
90	229	250	18185	133.1	138.7	135.9
85	216	248	17153	124.1	129.2	126.6
80	203	246	16120	115.4	120.2	117.8
75	190	243	15088	106.9	111.3	109.1
70	178	241	14135	99.2	103.3	101.2
65	165	238	13103	91.1	94.8	92.9
60	152	235	12070	83.1	86.5	84.8
55	140	232	11117	75.9	79.0	77.4
50	127	229	10085	68.3	71.1	69.7
45	114	225	9053	61.0	63.4	62.2
40	102	221	8100	54.2	56.4	55.3
35	89	216	7068	46.8	48.9	47.8
30	76	210	6035	39.8	41.3	40.6
25	63	203	5003	32.9	34.1	33.5
20	51	195	4050	26.7	27.7	27.2
15	38	184	3018	20.1	20.8	20.5
10	25	169	1985	13.8	14.2	14.0
9	23	166	1826	12.7	13.2	13.0

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Streetlight 21 midi LED</b>	<b>Bestell-Nr.: 5XE3R31D08NB</b> <b>EAN: 4069025150646</b>	<b>LP-Nummer</b> <b>59538_87</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	20170	153.0	159.4	156.2
95	241	252	19139	143.1	149.0	146.0
90	229	250	18186	134.3	139.8	137.0
85	216	248	17153	125.1	130.2	127.6
80	203	246	16121	116.2	120.9	118.6
75	190	243	15088	107.5	111.8	109.6
70	178	241	14136	99.7	103.7	101.7
65	165	238	13103	91.4	95.0	93.2
60	152	235	12071	83.3	86.6	84.9
55	140	232	11118	76.1	79.1	77.6
50	127	229	10085	68.4	71.1	69.8
45	114	225	9053	60.9	63.3	62.1
40	102	221	8100	54.2	56.2	55.2
35	89	216	7068	46.8	48.8	47.8
30	76	210	6035	39.8	41.2	40.5
25	63	203	5003	32.8	34.1	33.4
20	51	195	4050	26.6	27.6	27.1
15	38	184	3018	20.1	20.8	20.5
10	25	169	1985	13.7	14.1	13.9
9	23	166	1826	12.7	13.1	12.9

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 5XE3R31D08NB**  
**EAN: 4069025150646**

**LP-Nummer**  
**59538\_87**

### Lichtstrom-Tabelle

**sITeco**

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	20170.0	155.5
5.0	20170.0	151.3
15.0	20170.0	153.0