

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 5XE3U31V08NB**  
**EAN: 4069025150936**

**LP-Nummer**  
**59537\_24**



**Ausführung** Mastansatz- / Mastaufsatzmontage, Smart Interface oben  
**Optik** asymmetrisch, extrem breit strahlend (P0.8a G)  
**Abdeckung** Einscheibensicherheitsglas (ESG)  
**Bestückung** LED 3000 K | CRI ≥ 70  
**Betriebsgerät** EVG SITECO iQ - Smart Interface  
**Bemessungswerte** Nettolichtstrom = 21740 lm  
Systemleistung = 136.6 W  
Lichtausbeute = 159.2 lm/W

**Seriendokumentation**  
**18.01.2024**

siteco

**Lichtstärke in cd/klm**

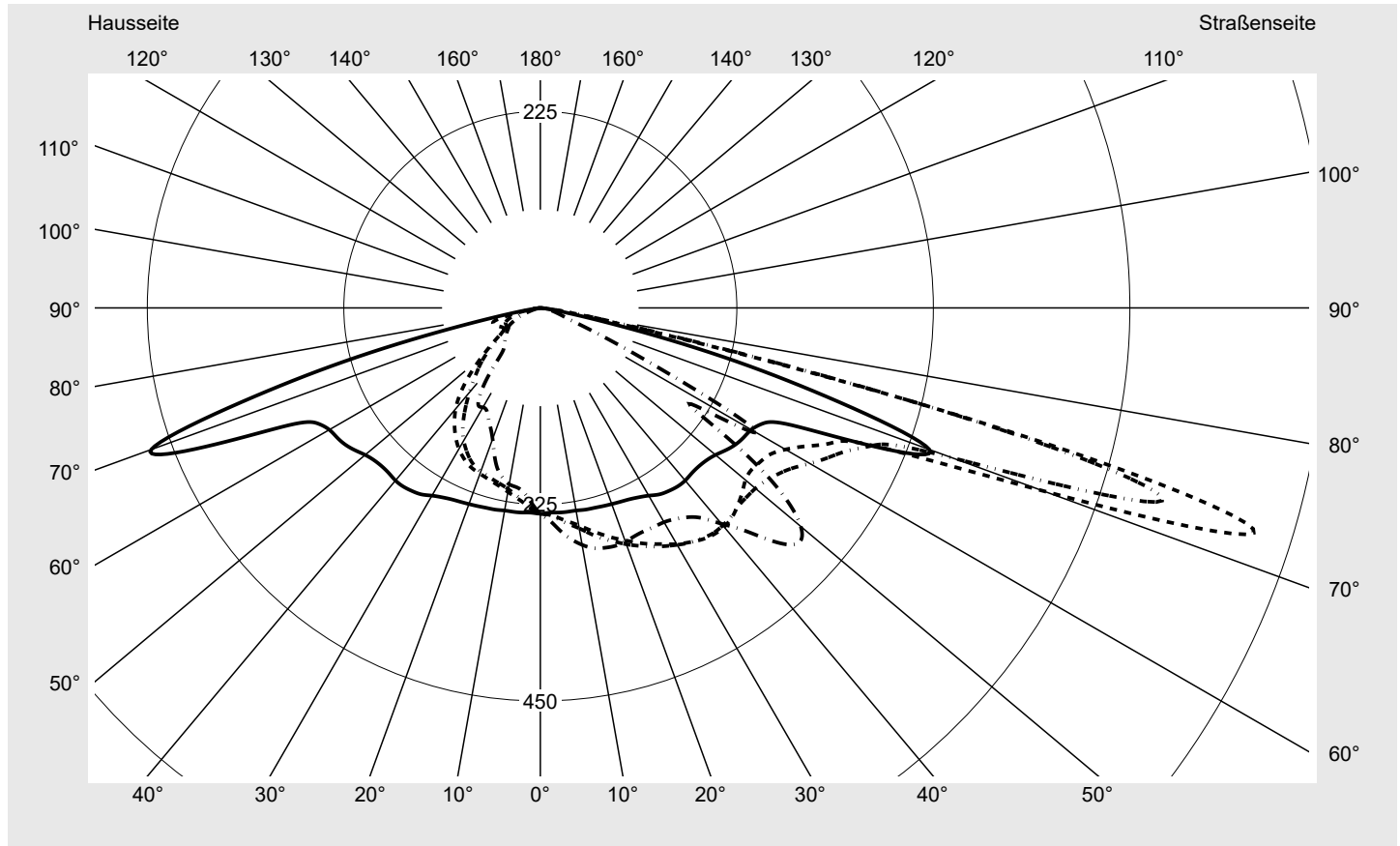
**C180-0**

**C205-25**

**C210-30**

**C270-90**

**Imax: 856 cd/klm**



**Leuchtenbetriebswirkungsgrade**

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

**Lichtstärkeklasse nach EN13201-2**

Klasse: G3  
Imax 70° 618.8  
Imax 80° 68.3  
Imax 90° 0.0  
Imax >90° 0.0  
Imax >95° 0.0

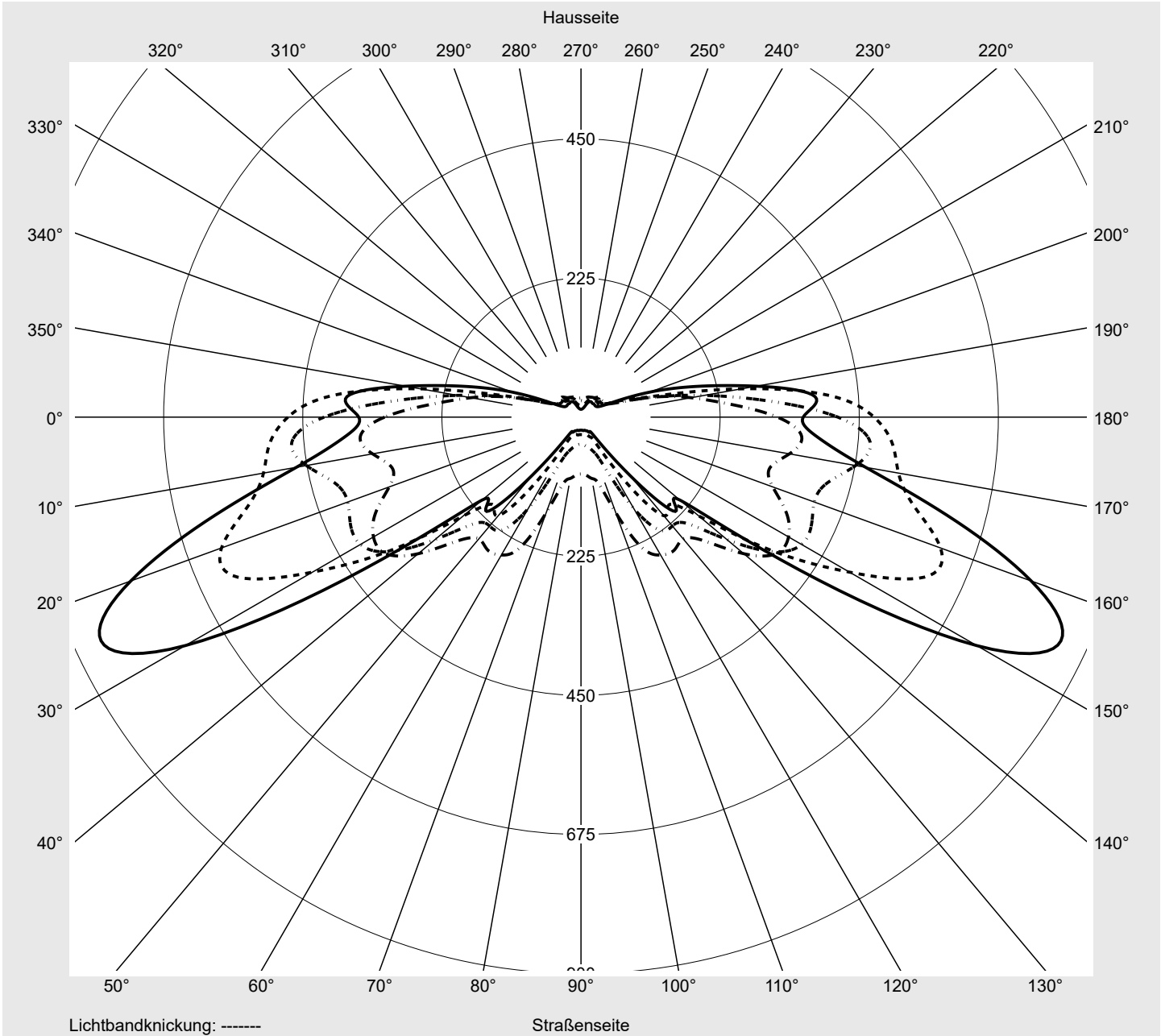
**Messbedingungen**

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

<b>Familie</b> Streetlight 21 midi LED	<b>Bestell-Nr.:</b> 5XE3U31V08NB <b>EAN:</b> 4069025150936	<b>LP-Nummer</b> 59537_24
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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°	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6
2,5°	234.7	235.2	235.9	236.3	236.6	236.6	237.1	238.2	239.1	239.6	240.2	240.8	241.4
5,0°	235.2	235.6	236.3	237.6	239.5	241.3	243.0	244.7	246.6	248.1	249.5	251.0	252.0
7,5°	235.5	236.3	238.0	240.8	243.9	246.8	249.7	252.2	254.9	256.9	258.9	260.6	262.1
10,0°	235.5	236.9	240.3	244.4	248.7	252.8	256.3	259.5	262.8	265.6	267.6	269.4	270.9
12,5°	236.6	239.6	244.5	249.8	255.3	260.4	264.8	268.6	271.6	274.3	276.7	278.4	279.6
15,0°	237.1	242.1	248.6	255.9	262.4	268.1	272.9	276.0	279.3	281.8	283.4	284.4	285.0
17,5°	238.0	245.1	253.5	262.0	269.7	275.9	280.4	284.2	286.5	288.0	288.8	288.8	288.4
20,0°	239.0	248.9	259.1	268.7	277.4	283.1	288.0	290.8	292.2	293.0	292.9	292.1	290.8
22,5°	240.2	252.1	264.0	275.5	284.7	291.0	294.8	297.0	297.3	297.0	295.8	293.9	291.9
25,0°	241.7	256.4	269.7	282.6	291.9	298.2	301.4	303.0	302.4	300.4	297.9	295.3	292.3
27,5°	244.4	261.7	277.2	290.5	299.8	304.8	307.5	308.4	306.8	303.6	299.8	296.2	293.4
30,0°	248.2	267.9	285.5	299.1	307.5	312.2	313.2	312.7	310.3	306.3	302.1	298.3	295.0
32,5°	253.2	275.1	294.8	308.3	315.3	318.1	318.6	316.5	312.9	309.0	305.2	301.4	299.1
35,0°	256.0	280.7	302.4	316.0	321.9	323.5	322.2	319.1	315.4	312.5	309.8	307.8	305.7
37,5°	257.8	284.8	307.2	321.0	325.8	326.7	325.1	321.5	317.8	316.2	316.4	317.1	315.6
40,0°	258.0	287.5	310.2	322.7	326.9	327.3	325.0	322.7	322.1	322.8	327.0	330.8	329.2
42,5°	256.7	287.7	310.0	321.3	324.3	325.0	323.6	324.2	327.6	332.7	340.5	346.4	346.9
45,0°	256.6	288.1	308.0	315.7	318.1	319.6	320.7	326.4	335.0	346.1	357.7	365.7	371.4
47,5°	258.2	288.9	305.8	309.5	309.7	313.4	320.5	332.2	346.1	362.6	377.2	387.9	396.1
50,0°	261.8	290.2	302.3	301.0	300.0	306.7	321.5	340.0	358.4	378.5	396.1	408.8	416.2
52,5°	267.6	293.4	300.8	295.4	293.1	304.6	325.3	350.3	370.6	391.3	406.9	415.8	411.4
55,0°	272.8	296.9	299.8	291.5	291.2	307.3	331.9	362.0	382.3	398.0	404.3	399.0	374.0
57,5°	276.0	299.2	298.8	289.2	292.4	312.1	341.7	374.1	390.1	391.8	379.5	349.4	309.6
60,0°	279.0	303.6	299.5	289.6	297.1	324.2	356.3	384.7	389.5	368.9	333.7	295.4	269.7
62,5°	286.9	315.3	307.8	295.1	308.6	343.0	371.4	388.3	374.0	327.5	286.9	271.6	282.6
65,0°	317.6	358.3	342.3	316.4	330.0	366.6	387.6	385.2	343.7	283.6	257.0	262.7	257.4
67,5°	415.5	469.6	451.1	412.1	401.5	411.4	411.9	379.6	308.1	243.4	229.9	223.3	170.3
70,0°	474.0	505.9	521.5	558.0	618.8	612.6	501.5	376.0	249.0	200.9	208.1	134.9	52.2
72,5°	359.4	385.8	467.5	612.6	774.9	856.4	739.2	430.1	208.5	215.7	123.1	38.5	28.0
75,0°	217.0	235.1	244.0	284.5	439.0	598.5	574.8	446.3	365.7	173.9	47.3	23.6	20.9
77,5°	84.6	127.6	114.0	114.9	138.6	182.9	201.9	296.7	316.9	127.3	20.5	18.5	15.7
80,0°	25.9	36.3	41.1	42.9	45.7	50.6	56.5	68.3	62.6	24.9	14.8	12.0	10.8
82,5°	6.9	8.1	10.0	11.8	13.7	15.5	15.0	11.3	10.2	7.8	6.8	7.0	6.3
85,0°	2.5	2.4	2.2	2.1	2.3	2.4	2.6	2.2	2.1	2.1	2.8	2.6	3.0
87,5°	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.7	0.7
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°	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6
2,5°	242.1	242.7	242.9	243.3	243.6	243.6	233.9	232.6	232.1	231.5	230.4	229.4	228.4
5,0°	253.1	253.8	254.4	255.1	255.4	255.6	232.8	230.9	228.4	226.2	223.7	221.9	220.0
7,5°	263.4	264.5	265.3	266.1	266.5	266.8	232.3	228.5	224.9	221.8	218.5	216.0	213.6
10,0°	272.2	273.3	274.4	274.8	275.3	275.4	231.7	226.3	221.9	217.7	213.9	210.7	208.5
12,5°	280.0	280.4	281.1	281.0	281.6	281.7	231.8	225.0	219.1	214.2	210.0	207.1	205.4
15,0°	284.9	284.8	284.7	284.5	284.6	284.3	231.7	223.6	216.8	211.0	206.9	204.3	202.7
17,5°	287.8	286.8	286.2	285.8	285.7	285.6	231.9	222.1	214.2	208.2	204.3	201.6	199.7
20,0°	289.1	287.5	286.1	285.1	284.6	284.7	232.2	220.9	211.9	205.8	202.1	199.5	195.9
22,5°	289.6	286.9	284.9	283.4	282.6	282.7	231.3	219.0	209.4	203.8	200.0	196.1	190.4
25,0°	289.7	287.1	284.7	282.7	281.6	281.8	230.9	217.2	207.0	201.2	197.0	190.8	184.6
27,5°	290.7	288.1	285.3	283.5	282.2	282.4	231.0	215.8	204.8	198.3	192.1	183.6	175.8
30,0°	292.7	290.3	287.4	284.9	283.3	283.3	231.9	215.2	203.1	195.6	186.4	175.5	165.7
32,5°	296.9	294.2	290.9	288.1	286.8	286.7	233.9	215.1	201.6	192.3	179.1	165.3	151.3
35,0°	303.7	300.3	297.0	294.1	292.8	292.6	234.2	214.0	199.0	187.8	170.8	152.9	133.6
37,5°	312.8	310.0	307.3	304.8	303.4	303.2	232.9	211.7	195.9	181.7	161.4	139.5	117.8
40,0°	327.4	326.6	326.1	323.7	322.3	322.6	230.5	207.6	190.1	173.9	150.8	126.1	104.7
42,5°	348.4	350.5	351.2	347.7	345.8	345.6	225.6	199.9	180.2	161.5	137.5	113.5	93.3
45,0°	376.2	379.7	381.2	379.7	377.9	378.1	221.9	191.8	167.6	144.8	121.9	102.0	82.5
47,5°	401.7	405.0	405.0	402.3	399.3	399.3	220.2	184.5	154.2	125.7	104.8	91.2	73.0
50,0°	414.0	405.7	397.5	391.6	388.9	389.3	222.4	181.7	144.5	107.3	87.9	79.1	65.2
52,5°	392.1	370.1	354.6	348.1	346.3	348.2	226.1	181.6	137.5	92.3	73.1	67.3	60.3
55,0°	337.6	304.9	283.0	272.8	269.0	270.9	229.7	182.1	133.7	80.5	60.8	58.1	58.1
57,5°	271.5	242.0	225.0	215.8	207.8	205.0	230.4	179.6	129.0	73.2	51.8	51.4	55.3
60,0°	264.0	271.2	273.1	272.9	277.8	285.6	230.7	177.3	127.7	71.4	48.1	45.8	51.3
62,5°	283.7	274.7	259.6	225.0	192.5	183.4	228.9	175.1	126.4	72.1	48.4	43.7	47.7
65,0°	232.6	164.2	111.7	100.7	94.0	92.0	241.4	180.8	126.6	74.4	50.7	43.6	43.9
67,5°	86.7	59.5	51.2	47.7	44.6	43.8	302.9	202.7	126.9	77.2	53.7	43.0	39.8
70,0°	35.6	31.0	29.1	29.3	28.4	28.3	402.8	263.5	138.3	85.7	56.7	39.7	35.3
72,5°	25.1	23.4	22.0	22.1	21.3	21.1	380.0	288.0	191.6	118.1	56.9	34.6	30.1
75,0°	19.2	17.9	16.9	16.8	16.3	16.0	178.4	166.7	153.9	124.4	50.5	28.1	24.5
77,5°	13.8	13.2	12.3	11.9	11.7	11.6	58.4	60.7	56.1	51.7	29.3	20.7	18.3
80,0°	9.4	9.1	8.0	7.4	7.2	7.1	17.6	17.5	18.3	20.2	13.8	11.8	11.5
82,5°	5.4	5.0	4.4	4.2	4.0	3.9	5.6	5.5	5.2	6.9	6.1	6.0	5.6
85,0°	2.4	2.2	1.8	1.7	1.6	1.5	2.6	2.6	2.7	2.7	2.7	2.6	2.4
87,5°	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.5	1.5	1.6	1.5	1.4
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°	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	0.4	0.4
2,5°	227.4	226.8	226.2	225.5	225.0	224.7	224.4	224.1	224.0	223.9	223.9	2.8	3.1
5,0°	218.1	217.3	216.1	214.8	213.9	213.4	213.2	212.8	212.6	212.6	212.5	5.6	8.7
7,5°	211.6	210.3	209.1	208.2	207.6	207.5	207.3	207.2	207.2	207.3	207.2	8.4	17.1
10,0°	207.0	206.1	205.5	205.1	204.9	204.7	204.6	204.9	205.0	205.1	205.0	11.2	28.3
12,5°	204.1	203.5	203.0	202.4	201.7	200.9	200.0	199.6	199.3	199.3	199.1	14.1	42.5
15,0°	201.6	200.3	198.8	196.6	194.9	193.4	192.0	190.9	190.4	190.3	190.1	16.9	59.4
17,5°	197.6	194.5	191.9	189.0	186.6	184.3	181.5	179.0	177.3	175.8	175.4	19.6	79.0
20,0°	191.3	187.9	184.5	181.4	176.1	171.1	166.9	163.7	161.5	160.3	159.8	22.1	101.1
22,5°	185.4	180.9	176.0	169.2	162.6	157.4	153.6	151.3	149.9	149.1	148.8	24.5	125.6
25,0°	178.6	171.8	163.2	156.0	150.1	146.1	143.5	142.0	141.0	140.4	140.3	26.8	152.4
27,5°	168.5	157.6	148.3	141.8	137.3	134.4	133.2	132.8	132.7	132.6	132.8	29.0	181.4
30,0°	153.4	141.7	133.3	127.7	125.4	125.3	126.7	128.6	130.2	131.1	131.4	31.2	212.6
32,5°	135.3	124.0	116.0	113.0	114.6	119.0	124.7	129.0	131.2	131.8	132.0	33.4	246.0
35,0°	117.2	104.7	97.8	98.8	106.1	114.2	119.2	121.3	120.9	119.8	119.3	35.4	281.4
37,5°	100.8	87.9	83.5	88.3	95.8	100.2	101.2	100.7	99.3	97.6	96.9	37.0	318.4
40,0°	86.5	75.2	74.8	79.6	81.5	81.7	80.8	77.9	74.4	72.0	71.1	38.7	357.1
42,5°	75.9	69.2	71.0	71.3	71.3	70.4	67.5	65.1	63.3	62.1	61.6	40.7	397.8
45,0°	68.4	67.4	67.8	67.4	67.1	64.5	62.3	60.7	59.5	58.6	58.2	43.2	441.0
47,5°	64.9	65.9	65.1	65.4	62.7	59.6	58.0	56.9	55.9	55.1	54.7	45.5	486.5
50,0°	63.3	63.8	63.9	61.7	57.5	55.3	54.2	53.1	52.2	51.6	51.4	47.0	533.6
52,5°	63.3	61.9	60.9	57.4	53.5	51.9	50.9	50.0	49.2	48.7	48.7	47.3	580.8
55,0°	61.7	58.2	57.1	52.8	49.6	48.4	47.5	46.8	46.3	46.2	46.3	45.9	626.7
57,5°	55.9	54.2	53.1	48.0	45.6	44.6	44.2	43.6	43.3	43.2	43.3	43.9	670.6
60,0°	50.9	51.2	49.0	43.8	42.0	41.0	41.0	41.3	41.4	41.3	41.4	45.6	716.2
62,5°	47.0	48.1	45.1	40.5	38.9	37.8	37.7	37.0	36.3	36.2	36.6	44.9	761.1
65,0°	43.3	45.0	42.0	38.3	36.9	35.6	34.7	32.8	31.3	30.9	31.2	42.1	803.2
67,5°	39.5	41.3	38.8	36.8	35.8	34.1	30.8	27.7	26.5	26.2	26.5	42.5	845.7
70,0°	35.4	36.0	34.3	34.0	33.6	31.2	25.9	21.9	20.1	19.3	19.1	46.5	892.2
72,5°	29.4	29.7	29.0	29.6	29.0	25.6	19.2	15.4	13.8	12.9	12.7	48.7	940.9
75,0°	23.6	23.4	23.0	23.9	24.0	20.0	13.7	10.2	9.1	8.2	8.1	34.4	975.3
77,5°	17.7	16.7	16.1	17.0	17.6	14.4	8.7	6.1	4.9	4.0	3.8	16.7	992.0
80,0°	11.2	10.2	9.2	9.6	10.6	8.1	5.1	3.3	2.2	1.4	1.2	5.4	997.4
82,5°	5.5	5.0	4.3	4.0	4.7	3.8	2.6	1.8	1.2	0.8	0.7	1.7	999.2
85,0°	2.3	2.1	1.8	1.6	1.5	1.2	1.0	0.8	0.7	0.6	0.5	0.6	999.7
87,5°	1.3	1.2	1.1	1.0	0.8	0.8	0.7	0.6	0.5	0.5	0.5	0.3	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 [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	21740	136.6	143.6	140.1
95	241	252	20627	128.0	134.4	131.2
90	229	250	19600	120.3	126.2	123.2
85	216	248	18488	112.0	117.6	114.8
80	203	246	17375	104.0	109.1	106.6
75	190	243	16262	96.3	101.0	98.6
70	178	241	15235	89.3	93.7	91.5
65	165	238	14122	82.0	86.0	84.0
60	152	235	13010	74.8	78.5	76.6
55	140	232	11983	68.3	71.6	69.9
50	127	229	10870	61.4	64.3	62.8
45	114	225	9757	54.6	57.3	56.0
40	102	221	8730	48.5	50.8	49.6
35	89	216	7618	42.0	44.0	43.0
30	76	210	6505	35.7	37.3	36.5
25	63	203	5392	29.6	30.8	30.2
20	51	195	4365	23.9	25.0	24.4
15	38	184	3252	18.1	18.9	18.5
10	25	169	2140	12.3	12.8	12.6

## Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	21740	133.6	138.1	135.8
95	241	252	20627	125.4	129.6	127.5
90	229	250	19600	118.0	122.0	120.0
85	216	248	18487	110.2	113.9	112.0
80	203	246	17374	102.6	106.0	104.3
75	191	244	16347	95.7	98.9	97.3
70	178	241	15235	88.5	91.3	89.9
65	165	238	14122	81.3	83.9	82.6
60	152	235	13009	74.3	76.7	75.5
55	140	232	11982	67.9	70.1	69.0
50	127	229	10870	61.2	63.1	62.2
45	114	225	9757	54.5	56.2	55.4
40	102	221	8730	48.5	50.1	49.3
35	89	216	7617	42.1	43.4	42.8
30	76	210	6505	35.7	36.9	36.3
25	64	204	5478	30.0	31.0	30.5
20	51	195	4365	24.0	24.8	24.4
15	38	184	3252	18.2	18.7	18.4
10	26	171	2225	12.8	13.2	13.0

## Lichttechnischer Prüfbefund

<b>Familie</b> Streetlight 21 midi LED	<b>Bestell-Nr.: 5XE3U31V08NB</b> <b>EAN: 4069025150936</b>	<b>LP-Nummer</b> <b>59537_24</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	21740	134.8	140.4	137.6
95	241	252	20627	126.4	131.6	129.0
90	229	250	19600	118.8	123.7	121.2
85	216	248	18487	110.9	115.4	113.2
80	203	246	17374	103.1	107.3	105.2
75	191	244	16347	96.2	100.1	98.2
70	178	241	15235	88.8	92.3	90.6
65	165	238	14122	81.5	84.8	83.2
60	152	235	13009	74.5	77.4	76.0
55	140	232	11982	68.0	70.7	69.4
50	127	229	10870	61.2	63.6	62.4
45	114	225	9757	54.5	56.7	55.6
40	102	221	8730	48.5	50.4	49.4
35	89	216	7617	41.9	43.6	42.8
30	76	210	6505	35.7	37.0	36.4
25	64	204	5478	30.0	31.1	30.6
20	51	195	4365	24.0	24.9	24.4
15	38	184	3252	18.1	18.7	18.4
10	26	171	2225	12.8	13.2	13.0

## Lichttechnischer Prüfbefund

Familie

Streetlight 21 midi LED

Bestell-Nr.: 5XE3U31V08NB

EAN: 4069025150936

LP-Nummer

59537\_24

### Lichtstrom-Tabelle

SITECO

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	21740.0	136.6
5.0	21740.0	133.6
15.0	21740.0	134.8