

## Lichttechnischer Prüfbefund

**Familie**  
Streetlight 31 micro toolless

**Bestell-Nr.:** 5XH5A75N08DA  
**EAN:** 4069025102980

**LP-Nummer**  
59580\_499



<b>Ausführung</b>	Mastansatz- / Mastaufsatzmontage, NEMA 7 pin (DALI)
<b>Optik</b>	asymmetrisch, extrem breit strahlend (P1.0a)
<b>Abdeckung</b>	Einscheibensicherheitsglas (ESG)
<b>Bestückung</b>	LED 2200 K   CRI ≥ 70
<b>Betriebsgerät</b>	EVG SITECO
<b>Bemessungswerte</b>	Nettolichtstrom = 3770 lm Systemleistung = 35.5 W Lichtausbeute = 106.2 lm/W

**Seriendokumentation**  
18.04.2024

siteco

**Lichtstärke in cd/klm**

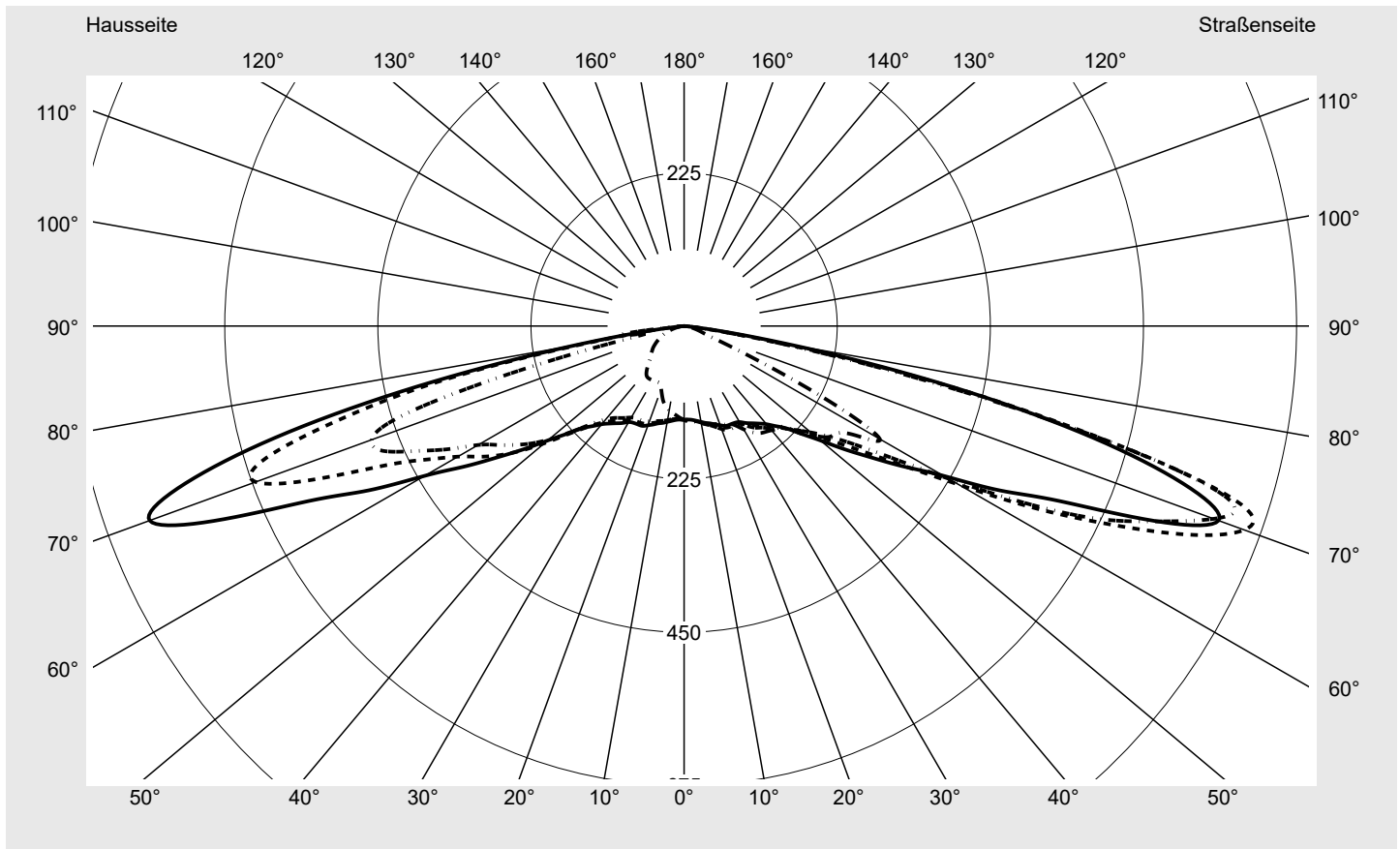
**C180-0**

**C185-5**

**C190-10**

**C270-90**

**Imax: 876 cd/klm**



**Leuchtenbetriebswirkungsgrade**

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

**Lichtstärkeklasse nach EN13201-2**

Klasse:	G1
Imax 70°	876.0
Imax 80°	162.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

**Messbedingungen**

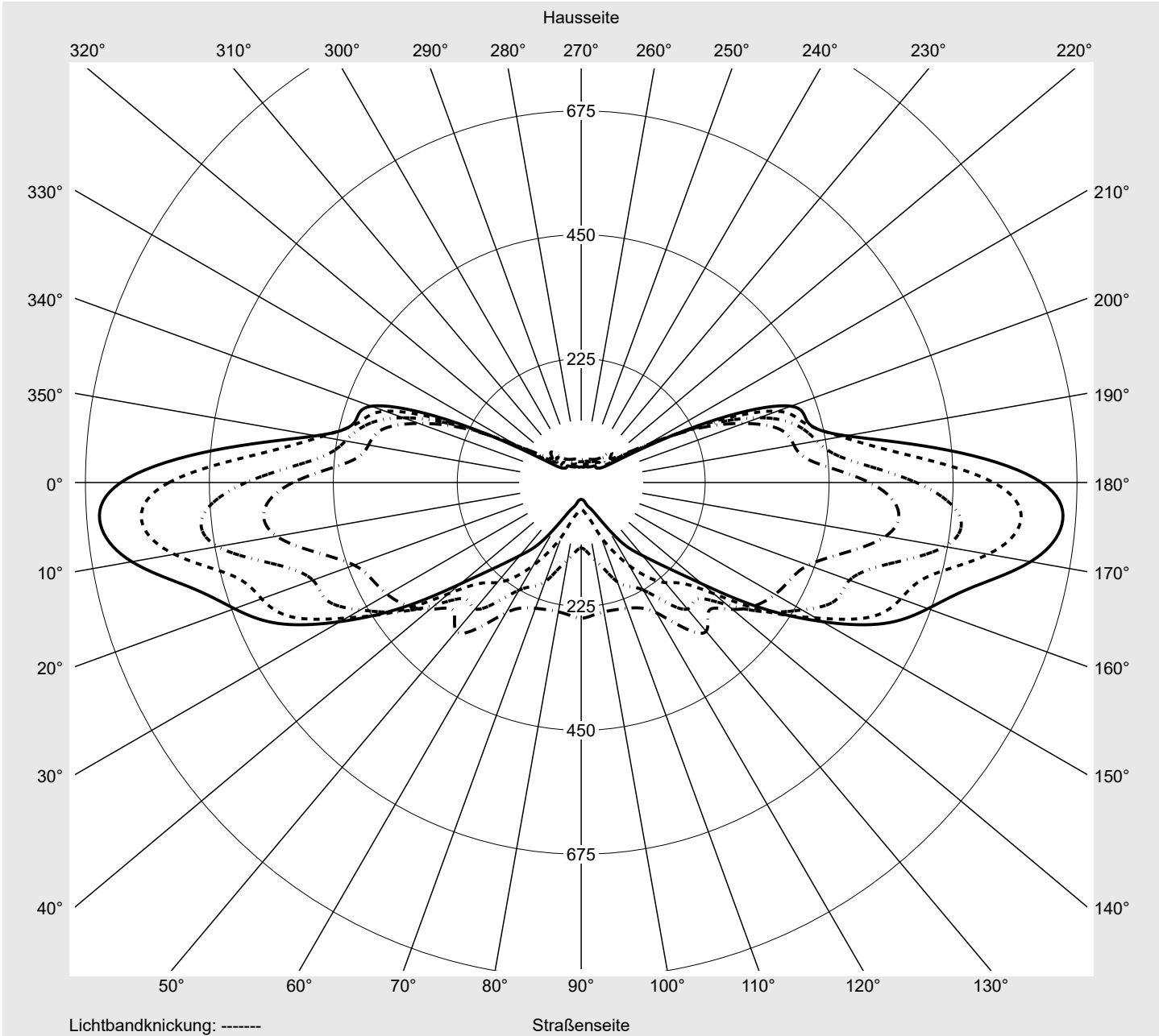
DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

<b>Familie</b> Streetlight 31 micro toolless	<b>Bestell-Nr.:</b> 5XH5A75N08DA <b>EAN:</b> 4069025102980	<b>LP-Nummer</b> 59580_499
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**Kegelmantelkurven in cd/klm**    **KMK 70°**    **KMK 67,5°**    **KMK 65°**    **KMK 62,5°**



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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°	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7
2,5°	137.6	137.8	138.1	138.4	138.7	138.9	139.1	139.2	139.4	139.6	139.8	140.0	140.2
5,0°	138.5	139.2	139.6	140.3	140.5	140.9	141.1	141.2	141.4	141.4	141.4	141.3	141.2
7,5°	140.5	141.3	142.0	142.6	143.1	143.3	143.5	143.3	143.1	142.9	142.6	142.4	142.2
10,0°	143.0	144.0	144.7	145.4	145.8	145.8	145.8	145.5	145.2	145.0	145.0	144.8	144.8
12,5°	145.8	146.9	147.9	148.9	149.3	149.4	149.3	149.0	148.9	149.1	149.1	149.3	149.3
15,0°	148.1	149.7	151.3	152.6	153.4	153.6	153.4	153.2	153.5	153.9	154.4	154.3	153.8
17,5°	151.7	153.6	155.7	157.5	158.7	158.8	158.8	159.1	159.4	159.8	159.7	159.2	158.2
20,0°	155.1	158.1	161.0	163.3	164.2	164.1	164.6	165.3	165.7	165.4	164.5	163.2	161.8
22,5°	158.8	161.7	165.4	168.6	169.9	170.3	170.6	171.2	171.3	170.6	169.1	167.3	166.1
25,0°	159.7	162.7	166.1	169.6	172.1	174.1	175.7	176.2	175.6	174.6	173.5	172.8	171.9
27,5°	160.5	163.1	166.1	169.3	172.0	175.1	178.4	179.6	178.9	178.4	178.4	178.1	176.9
30,0°	162.9	166.0	168.1	170.2	171.6	174.4	178.2	181.1	182.4	182.5	182.5	182.3	182.5
32,5°	168.9	172.1	174.5	175.7	174.6	174.4	176.5	180.0	185.2	187.4	187.6	188.9	191.5
35,0°	174.4	178.4	182.5	184.8	182.5	180.4	176.7	177.9	185.6	194.2	194.3	195.4	199.0
37,5°	180.6	184.7	188.1	190.0	189.4	187.5	184.0	179.4	184.8	195.6	197.1	198.4	207.5
40,0°	188.3	193.0	196.0	196.4	195.8	194.5	193.8	189.1	183.5	191.7	198.6	205.7	221.9
42,5°	199.5	201.6	203.3	202.7	200.8	199.7	201.6	201.1	191.3	187.7	204.5	218.7	240.8
45,0°	212.8	213.5	214.0	210.6	206.9	204.9	205.5	210.8	207.3	188.5	215.7	238.2	261.1
47,5°	234.8	228.3	226.8	222.0	215.4	211.2	210.0	219.7	224.9	198.8	232.6	260.4	279.8
50,0°	261.5	249.9	243.2	238.9	228.9	221.6	220.2	228.8	245.1	220.2	254.2	283.6	303.5
52,5°	297.7	280.2	266.1	259.2	247.5	239.7	238.5	246.0	265.8	247.9	282.3	316.4	335.3
55,0°	337.4	322.0	301.1	288.9	277.4	268.8	266.3	269.5	288.8	278.7	319.2	344.1	347.3
57,5°	385.1	381.6	359.0	337.9	321.9	309.6	301.3	298.3	309.3	319.9	348.2	353.7	371.5
60,0°	440.3	466.2	448.4	408.8	375.5	357.0	344.2	340.3	341.9	339.0	355.2	362.7	338.2
62,5°	523.2	577.6	561.4	494.1	438.7	418.3	406.4	388.4	358.4	328.4	352.8	320.5	273.2
65,0°	608.4	689.1	670.0	574.3	518.4	508.2	462.7	409.5	345.5	298.5	299.9	263.6	225.5
67,5°	748.5	800.9	750.1	654.7	617.4	578.3	491.9	407.7	313.8	258.9	237.3	209.1	173.7
70,0°	835.7	876.0	828.3	735.0	669.9	605.9	505.2	395.6	286.5	216.9	173.1	138.8	95.3
72,5°	767.9	847.4	834.6	753.0	675.5	624.1	476.4	338.3	269.5	155.5	103.4	68.3	45.4
75,0°	601.3	627.5	623.8	596.1	588.3	536.2	347.0	224.8	141.1	94.6	57.6	37.7	31.5
77,5°	377.2	369.4	340.9	324.6	382.3	290.7	181.7	68.8	46.5	55.4	30.3	22.6	19.4
80,0°	162.9	136.5	129.6	138.8	127.6	130.2	48.4	27.0	26.4	29.1	16.9	12.4	11.1
82,5°	43.8	36.6	34.8	35.5	31.5	36.1	19.4	15.8	10.2	11.2	8.3	6.4	6.1
85,0°	4.0	3.8	4.0	5.1	5.8	5.1	4.0	3.4	3.4	3.3	3.4	2.9	2.4
87,5°	1.6	1.6	1.6	1.6	1.4	1.4	1.4	1.2	1.1	1.0	1.0	0.9	0.8
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°	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7
2,5°	140.3	140.4	140.6	140.7	140.6	140.7	137.3	136.8	136.5	136.2	136.0	135.7	135.4
5,0°	141.1	141.1	141.1	141.0	141.0	140.9	137.8	137.0	136.4	135.7	135.0	134.3	133.8
7,5°	142.0	142.0	142.0	141.9	141.9	141.9	139.4	138.3	137.3	136.3	135.2	134.2	133.3
10,0°	144.7	144.6	144.5	144.5	144.5	144.5	141.8	140.4	139.1	137.7	136.2	134.7	133.2
12,5°	149.0	148.6	148.1	147.8	147.6	147.5	144.3	142.7	141.1	139.3	137.4	135.6	134.0
15,0°	153.2	152.3	151.4	150.5	149.8	149.5	146.4	144.4	142.4	140.2	138.1	136.0	133.8
17,5°	157.0	155.4	153.9	152.4	151.3	151.0	149.2	146.7	143.9	141.2	138.5	135.7	132.9
20,0°	160.4	158.8	156.9	154.9	153.7	153.4	152.3	149.1	145.6	142.2	138.6	135.3	132.1
22,5°	165.5	164.5	162.2	159.4	157.3	156.6	155.1	151.1	147.4	143.6	139.6	135.8	131.5
25,0°	170.8	168.7	166.0	162.7	159.8	158.7	156.2	152.3	148.5	144.4	140.4	136.2	130.8
27,5°	176.0	174.0	171.6	168.7	166.2	165.0	156.9	153.1	149.2	145.0	140.9	135.8	128.2
30,0°	184.5	184.6	183.8	180.6	177.2	175.4	159.5	155.3	150.8	146.5	141.8	134.9	123.5
32,5°	195.4	197.6	198.7	194.5	188.1	184.6	164.6	159.9	154.5	149.5	143.2	133.0	116.6
35,0°	205.3	212.3	214.6	208.3	197.4	192.2	170.0	164.9	159.2	153.4	144.3	128.6	108.6
37,5°	220.1	229.7	229.4	219.5	203.8	196.1	176.3	170.3	164.6	157.3	143.9	122.6	101.1
40,0°	239.9	248.1	246.3	233.7	211.7	199.9	185.0	179.2	172.3	162.5	142.6	115.1	94.4
42,5°	259.0	266.7	261.1	245.8	218.9	204.2	197.3	191.9	183.9	169.6	139.8	107.7	88.8
45,0°	276.7	281.0	272.9	255.5	228.0	209.9	214.7	210.8	199.3	178.4	137.7	99.9	85.4
47,5°	294.0	298.2	291.4	276.4	250.6	234.4	237.9	233.7	216.5	188.6	139.4	93.3	84.2
50,0°	322.1	330.4	318.6	300.5	266.7	251.3	267.9	259.4	235.1	201.0	143.1	91.2	85.4
52,5°	348.5	350.6	342.2	322.0	287.4	267.8	300.3	283.5	253.9	216.6	153.4	94.5	87.8
55,0°	363.6	368.7	344.6	319.7	295.6	274.8	330.8	304.6	274.6	235.8	169.5	102.0	89.2
57,5°	371.4	338.9	325.0	316.3	309.8	299.1	357.3	325.2	301.8	259.9	193.8	115.5	89.8
60,0°	311.8	300.4	292.0	295.6	316.6	332.1	383.9	349.6	330.6	283.7	214.3	128.4	88.8
62,5°	251.4	243.1	239.2	238.5	242.0	246.4	424.5	392.1	373.3	313.8	231.2	134.7	84.5
65,0°	208.3	192.0	163.2	143.3	126.9	119.0	484.3	434.6	404.0	344.1	241.6	131.4	74.2
67,5°	138.1	105.2	74.8	60.9	52.4	49.2	589.7	479.2	419.0	378.8	255.5	121.3	59.0
70,0°	65.5	51.0	43.8	35.2	31.7	30.6	669.9	488.6	425.5	405.3	271.8	102.8	48.7
72,5°	37.7	35.0	33.9	26.0	23.8	23.5	643.4	428.4	419.5	405.8	255.3	81.7	43.6
75,0°	27.9	25.6	24.4	19.8	17.9	17.5	513.0	241.7	319.6	334.9	189.4	58.8	35.0
77,5°	18.2	17.0	15.9	14.2	12.4	12.4	350.6	78.7	160.1	216.5	109.0	42.1	26.4
80,0°	11.5	10.3	9.6	8.1	7.6	7.5	145.4	68.9	132.5	123.3	59.1	28.9	17.3
82,5°	5.9	5.1	4.8	4.2	3.9	4.0	45.8	92.4	98.2	54.2	31.1	19.5	11.7
85,0°	2.2	2.0	1.8	1.6	1.6	1.5	3.8	6.6	9.0	5.6	8.5	7.6	5.3
87,5°	0.8	0.6	0.5	0.5	0.5	0.5	1.7	1.8	1.8	1.8	1.8	1.7	1.7
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	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°	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	0.2	0.2
2,5°	135.3	135.0	134.9	134.9	134.7	134.7	134.9	134.9	135.0	135.1	135.1	1.6	1.9
5,0°	133.2	132.7	132.4	132.1	131.9	131.7	131.8	131.7	131.8	131.8	131.8	3.3	5.1
7,5°	132.4	131.5	130.8	130.0	129.4	129.1	128.9	128.9	128.8	128.8	128.9	4.9	10.1
10,0°	131.9	130.7	129.6	128.6	127.8	126.9	126.4	126.0	125.8	125.8	125.6	6.6	16.6
12,5°	132.1	130.2	128.2	126.5	125.0	123.7	122.6	121.8	121.3	121.2	121.1	8.3	24.9
15,0°	131.3	129.1	126.7	124.4	122.2	120.3	118.7	117.3	116.5	116.0	115.9	10.0	34.9
17,5°	130.2	127.4	124.7	121.4	117.9	114.7	111.9	109.7	108.3	107.5	107.3	11.7	46.7
20,0°	128.7	125.0	120.6	115.6	110.7	106.5	103.3	100.9	99.4	98.7	98.5	13.4	60.0
22,5°	126.5	120.4	113.3	106.9	101.5	97.5	94.6	93.0	92.2	92.0	91.9	15.0	75.0
25,0°	122.9	113.4	104.7	97.9	93.4	91.1	90.1	90.1	90.3	90.8	91.0	16.6	91.7
27,5°	116.8	105.0	96.2	91.1	89.0	88.7	89.2	89.9	90.7	91.3	91.4	18.3	110.0
30,0°	108.8	97.0	90.0	87.8	87.6	87.9	89.0	90.3	91.2	92.0	92.2	20.0	130.0
32,5°	101.0	90.7	87.2	87.1	86.9	87.4	88.7	90.5	91.8	92.7	92.7	22.0	152.0
35,0°	93.8	87.1	86.7	86.6	86.4	87.1	88.8	90.7	92.3	92.8	92.7	24.1	176.0
37,5°	89.0	86.6	86.7	86.0	85.9	86.8	88.2	89.9	91.1	91.2	90.8	26.1	202.1
40,0°	86.3	86.8	85.9	85.4	85.7	86.0	86.4	86.9	87.0	86.2	85.5	28.3	230.5
42,5°	86.3	86.6	85.4	85.2	84.9	84.4	83.0	81.7	80.6	79.4	78.7	30.7	261.1
45,0°	86.9	86.1	84.8	83.6	82.2	80.6	78.7	76.5	74.5	72.5	71.7	33.3	294.4
47,5°	88.0	86.7	83.6	80.8	78.1	76.1	74.1	71.8	69.7	67.7	66.9	36.5	330.9
50,0°	90.6	89.1	81.1	76.3	73.1	71.2	69.0	67.0	65.3	63.7	63.1	40.4	371.3
52,5°	92.5	90.6	77.8	71.4	68.2	66.2	64.1	62.3	60.9	59.7	59.1	44.9	416.2
55,0°	91.0	89.5	75.1	67.0	63.6	61.4	59.1	57.8	56.7	55.7	55.6	49.6	465.8
57,5°	87.1	90.3	71.6	62.0	58.0	56.1	54.5	53.4	52.6	51.2	51.1	54.7	520.5
60,0°	79.8	88.3	67.6	57.7	53.6	51.4	49.9	49.0	48.1	46.8	46.6	59.3	579.8
62,5°	68.5	77.9	63.2	52.8	48.6	46.4	45.1	44.2	43.2	42.2	41.9	62.7	642.5
65,0°	57.6	63.2	56.5	47.7	44.1	41.7	40.4	40.3	38.7	37.8	37.8	64.7	707.2
67,5°	48.5	48.6	48.1	41.8	38.5	36.5	35.2	35.0	33.6	33.4	33.2	66.2	773.4
70,0°	40.7	38.1	39.3	35.9	33.1	31.1	30.1	30.0	28.5	28.1	28.5	67.0	840.4
72,5°	34.1	30.9	31.6	30.4	28.1	26.2	25.0	24.7	23.5	22.9	22.9	63.1	903.6
75,0°	28.3	25.1	25.1	24.8	23.1	21.3	20.1	19.5	18.5	17.9	18.2	48.2	951.8
77,5°	22.0	19.5	18.9	19.3	17.9	16.5	15.2	14.3	13.9	13.4	13.5	27.9	979.7
80,0°	15.2	13.6	13.0	13.6	12.6	11.5	10.6	9.9	9.4	9.2	9.2	13.1	992.8
82,5°	10.2	9.1	8.0	8.7	8.1	7.4	6.8	6.2	5.7	5.6	5.7	5.7	998.5
85,0°	5.1	4.8	4.6	4.6	4.6	4.0	3.6	3.3	3.0	3.1	3.1	1.1	999.6
87,5°	1.6	1.6	1.6	1.4	1.4	1.5	1.5	1.4	1.3	1.4	1.2	0.4	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	3770	35.5	37.5	36.5
95	238	252	3584	33.1	35.0	34.0
90	222	249	3389	30.7	32.5	31.6
85	207	247	3202	28.6	30.1	29.4
80	192	244	3009	26.4	27.9	27.2
75	178	241	2824	24.4	25.8	25.1
70	164	238	2634	22.4	23.7	23.0
65	151	235	2452	20.7	21.8	21.2
60	138	232	2267	18.9	19.9	19.4
55	125	228	2077	17.2	18.1	17.6
50	112	224	1882	15.4	16.2	15.8
45	100	220	1699	13.9	14.6	14.2
40	88	215	1511	12.3	12.9	12.6
35	76	210	1319	10.8	11.3	11.0
30	64	204	1124	9.2	9.7	9.4
25	53	197	941	7.9	8.3	8.1
20	42	188	755	6.6	6.9	6.8
15	31	177	566	5.3	5.5	5.4
14	28	173	514	5.0	5.1	5.0

## Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	3880	35.9	38.0	37.0
95	238	252	3682	33.5	35.4	34.4
90	223	249	3490	31.2	33.0	32.1
85	208	247	3295	29.1	30.7	29.9
80	194	244	3106	27.0	28.5	27.8
75	180	241	2915	25.0	26.4	25.7
70	166	238	2718	23.0	24.4	23.7
65	152	235	2516	21.1	22.3	21.7
60	139	232	2325	19.3	20.3	19.8
55	126	228	2130	17.6	18.4	18.0
50	114	225	1946	16.0	16.7	16.4
45	101	220	1742	14.1	14.9	14.5
40	89	216	1551	12.6	13.2	12.9
35	77	210	1355	11.1	11.6	11.4
30	65	204	1156	9.5	10.0	9.8
25	54	197	971	8.1	8.5	8.3
20	43	189	782	6.8	7.1	7.0
15	31	177	573	5.4	5.6	5.5
13	28	173	520	5.1	5.2	5.2

## Lichttechnischer Prüfbefund

<b>Familie</b> Streetlight 31 micro toolless	<b>Bestell-Nr.: 5XH5A75N08DA</b> <b>EAN: 4069025102980</b>	<b>LP-Nummer</b> <b>59580_499</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	3830	35.7	37.7	36.7
95	238	252	3638	33.3	35.2	34.2
90	223	249	3450	31.0	32.8	31.9
85	208	247	3259	28.9	30.5	29.7
80	193	244	3062	26.7	28.2	27.4
75	179	241	2873	24.8	26.1	25.5
70	165	238	2679	22.8	24.0	23.4
65	152	235	2495	20.9	22.1	21.5
60	138	232	2292	19.1	20.1	19.6
55	126	228	2113	17.4	18.3	17.8
50	113	224	1916	15.6	16.5	16.0
45	101	220	1730	14.0	14.8	14.4
40	88	215	1524	12.4	13.0	12.7
35	77	210	1347	11.0	11.5	11.2
30	65	204	1149	9.5	9.9	9.7
25	54	197	966	8.1	8.4	8.2
20	42	188	761	6.7	6.9	6.8
15	31	177	570	5.3	5.6	5.4
14	28	173	518	5.0	5.2	5.1

## Lichttechnischer Prüfbefund

**Familie**  
**Streetlight 31 micro toolless**

**Bestell-Nr.: 5XH5A75N08DA**  
**EAN: 4069025102980**

**LP-Nummer**  
**59580\_499**

### Lichtstrom-Tabelle

**siteco**

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	3770.0	35.5
5.0	3880.0	35.9
15.0	3830.0	35.7