

Lichttechnischer Prüfbefund

Familie
Streetlight 31 micro toolless

Bestell-Nr.: 5XH5A75N08CA
EAN: 4069025102973

LP-Nummer
59580_489



Ausführung	Mastansatz- / Mastaufsatzmontage, NEMA 7 pin (DALI)
Optik	asymmetrisch, extrem breit strahlend (P1.0a)
Abdeckung	Einscheibensicherheitsglas (ESG)
Bestückung	LED 2200 K CRI ≥ 70
Betriebsgerät	EVG SITECO
Bemessungswerte	Nettolichtstrom = 1160 lm Systemleistung = 10.3 W Lichtausbeute = 112.6 lm/W

Seriendokumentation
18.04.2024

siteco

Lichtstärke in cd/klm

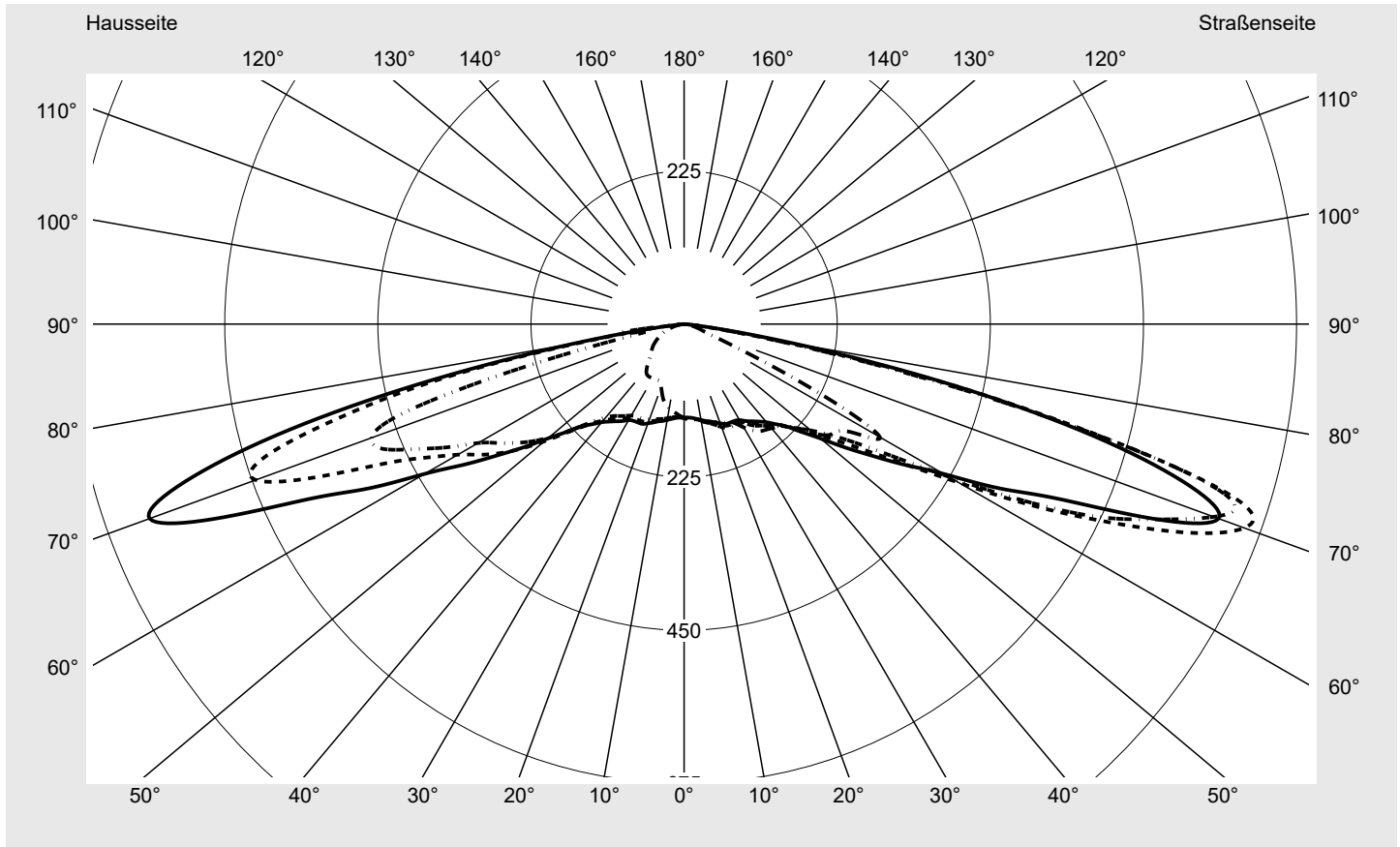
C180-0

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

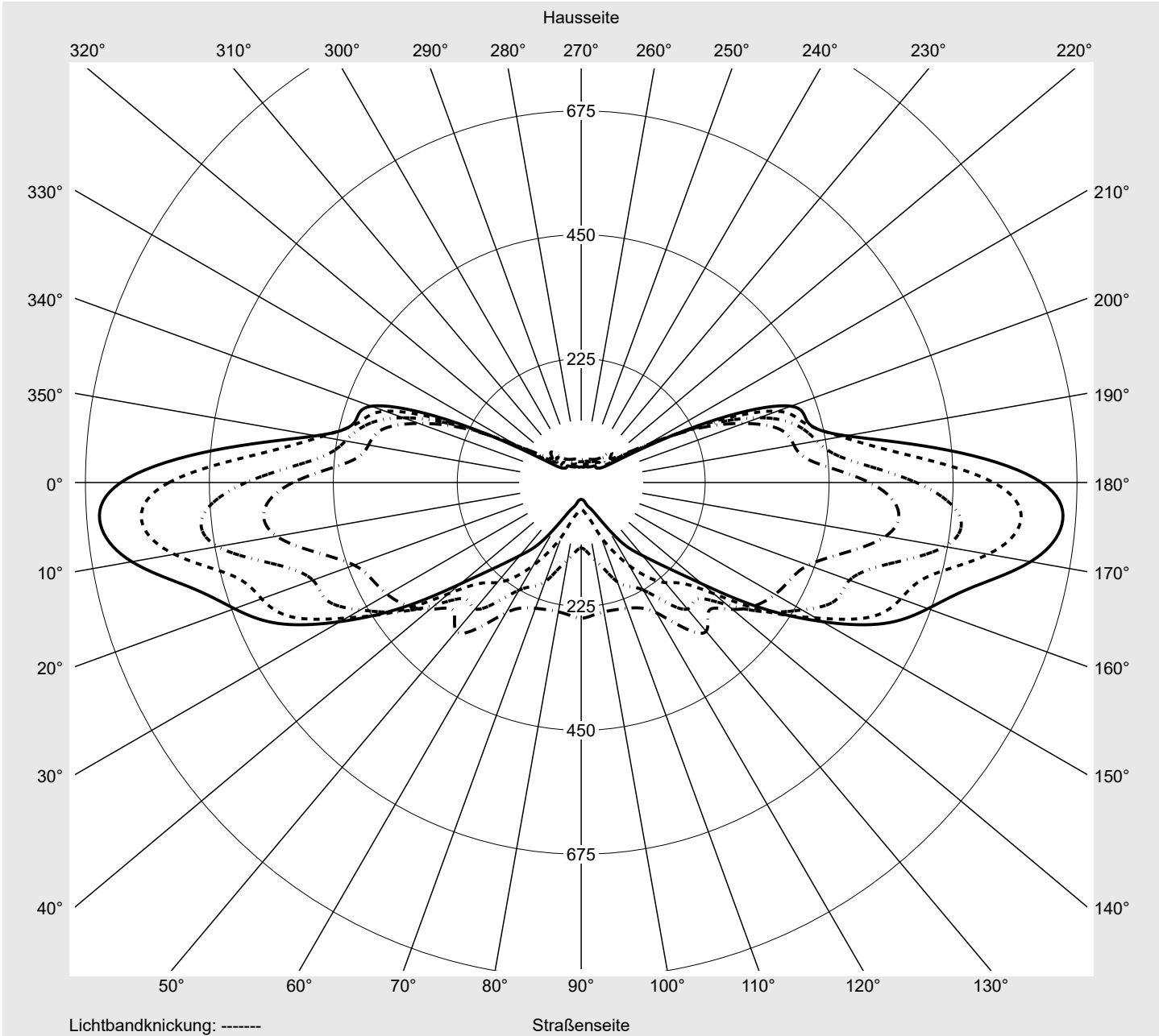
DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 70°** **KMK 67,5°** **KMK 65°** **KMK 62,5°**



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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

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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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

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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		siteco

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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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	siteco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	1160	10.3	10.6	10.4
95	240	252	1103	9.8	10.0	9.9
90	226	250	1044	9.2	9.5	9.4
85	212	247	986	8.7	8.9	8.8
80	198	245	926	8.1	8.4	8.2
75	185	242	870	7.7	7.8	7.8
70	171	240	810	7.1	7.3	7.2
65	158	237	753	6.7	6.9	6.8
60	145	233	696	6.2	6.4	6.3
55	132	230	637	5.8	5.9	5.8
50	119	226	578	5.3	5.4	5.4
45	107	222	523	4.9	5.0	5.0
40	94	218	463	4.4	4.6	4.5
35	82	213	407	4.1	4.2	4.2
31	73	208	364	3.8	3.9	3.8

Dimmstufen-Tabelle	Umgebungstemperatur: 5°C
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	1180	10.4	10.7	10.6
95	240	252	1121	9.9	10.2	10.0
90	226	250	1062	9.4	9.6	9.5
85	212	247	1002	8.8	9.1	9.0
80	199	245	945	8.3	8.5	8.4
75	185	242	884	7.8	7.9	7.8
70	172	240	826	7.3	7.5	7.4
65	159	237	769	6.8	7.0	6.9
60	146	234	710	6.4	6.5	6.4
55	133	230	651	5.9	6.0	6.0
50	120	227	591	5.4	5.6	5.5
45	107	222	530	5.0	5.1	5.0
40	95	218	474	4.6	4.7	4.6
35	82	213	412	4.2	4.2	4.2
31	73	208	369	3.9	3.9	3.9

Lichttechnischer Prüfbefund

Familie Streetlight 31 micro toolless	Bestell-Nr.: 5XH5A75N08CA EAN: 4069025102973	LP-Nummer 59580_489
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Dimmstufen-Tabelle	Umgebungstemperatur: 15°C	siteco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	1170	10.3	10.7	10.5
95	240	252	1112	9.9	10.1	10.0
90	226	250	1053	9.3	9.5	9.4
85	212	247	994	8.7	9.0	8.8
80	199	245	938	8.3	8.4	8.4
75	185	242	878	7.7	7.9	7.8
70	172	240	821	7.2	7.4	7.3
65	158	237	759	6.7	6.9	6.8
60	145	233	700	6.3	6.4	6.4
55	132	230	642	5.8	6.0	5.9
50	120	227	587	5.4	5.5	5.4
45	107	222	526	5.0	5.0	5.0
40	95	218	470	4.5	4.6	4.6
35	82	213	410	4.1	4.2	4.2
31	73	208	366	3.8	3.9	3.8

Lichttechnischer Prüfbefund

Familie Streetlight 31 micro toolless	Bestell-Nr.: 5XH5A75N08CA EAN: 4069025102973	LP-Nummer 59580_489
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Lichtstrom-Tabelle	sITeco
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Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	1160.0	10.3
5.0	1180.0	10.4
15.0	1170.0	10.3