

Lichttechnischer Prüfbefund

Familie
Streetlight 31 maxi toolless

Bestell-Nr.: 5XH8D31S08TA
EAN: 4069025104717

LP-Nummer
59078_737



Ausführung Mastansatz- / Mastaufsatzmontage, Smart Interface oben
Optik asymmetrisch, breit strahlend (ST1.0a G)
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 3000 K | CRI ≥ 70
Betriebsgerät EVG SITECO - Smart Interface
Bemessungswerte Nettolichtstrom = 33650 lm
Systemleistung = 228.8 W
Lichtausbeute = 147.1 lm/W

Seriendokumentation
27.05.2024

siteco

Lichtstärke in cd/klm

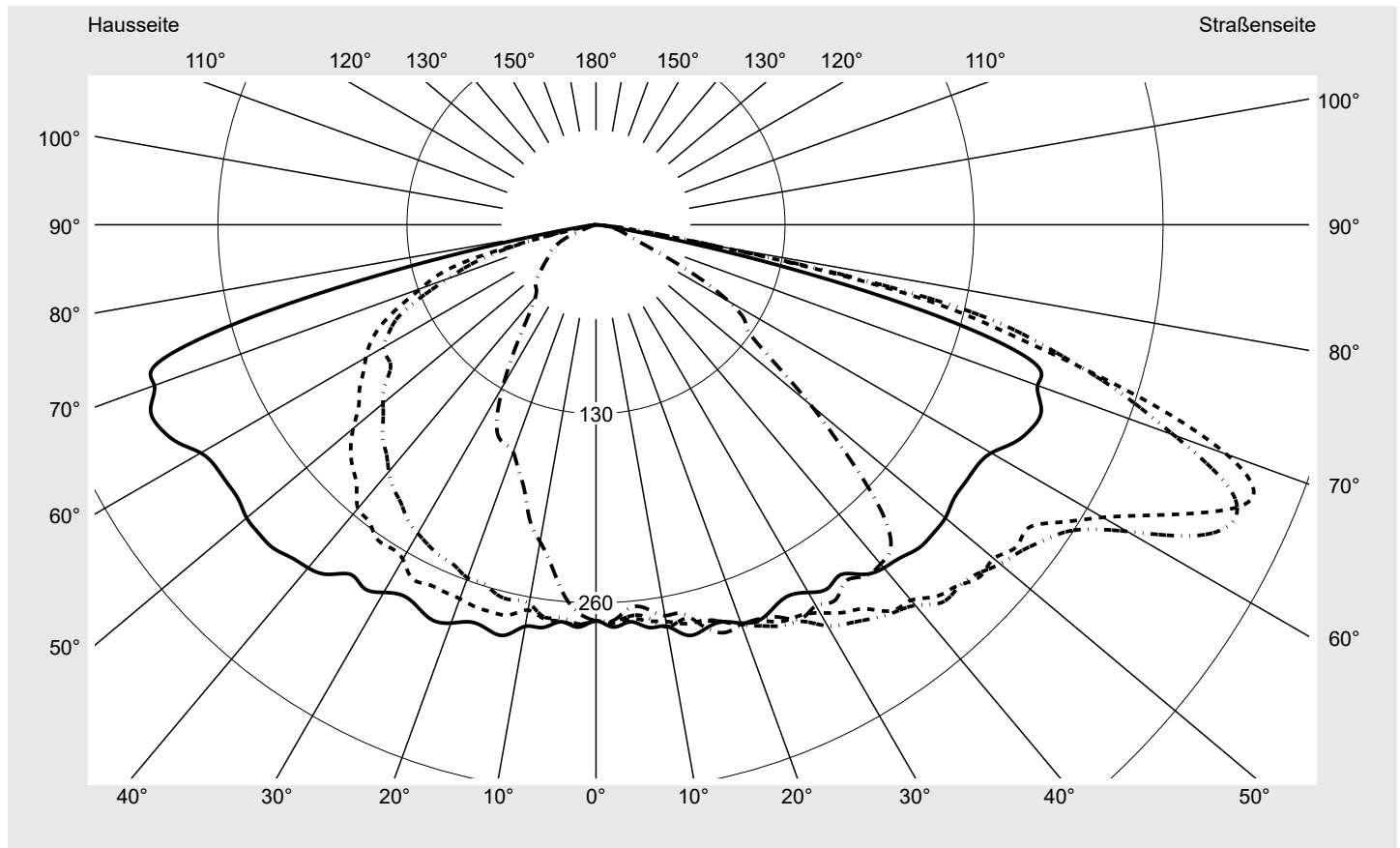
C180-0

C195-15

C200-20

C270-90

Imax: 489 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G4
Imax 70°	461.5
Imax 80°	96.1
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

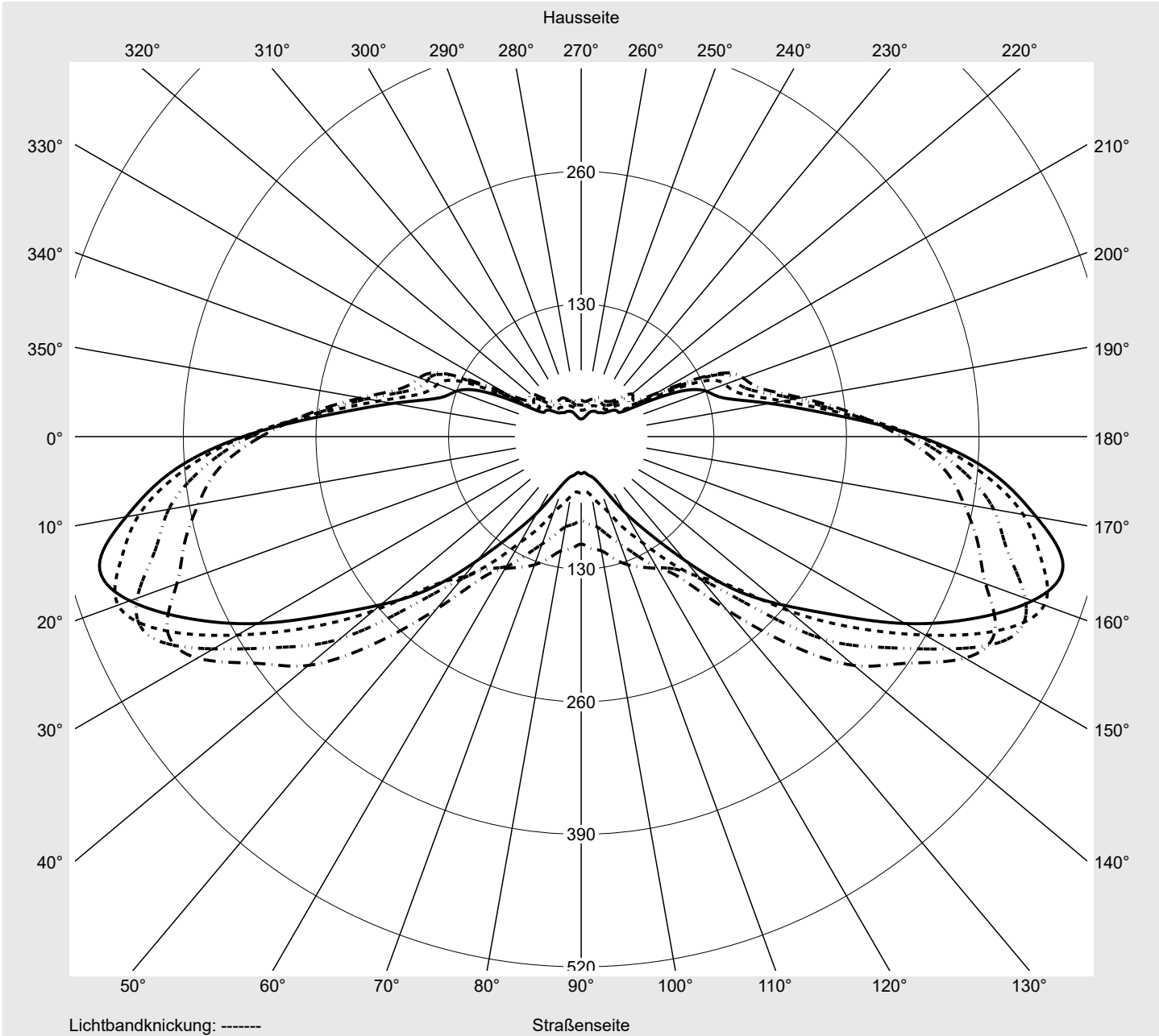
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 67,5°** **KMK 65°** **KMK 62,5°** **KMK 60°** **siteco**



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Familie Streetlight 31 maxi toolless	Bestell-Nr.: 5XH8D31S08TA EAN: 4069025104717	LP-Nummer 59078_737
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°	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5
2,5°	277.0	276.4	275.2	274.5	273.0	273.7	272.9	273.0	271.2	271.2	271.1	271.2	271.4
5,0°	274.1	274.0	274.4	271.9	270.1	269.9	268.3	270.2	270.2	270.8	270.6	270.2	268.6
7,5°	279.4	277.3	274.8	274.9	272.6	273.0	273.3	271.7	269.4	269.4	269.0	268.1	269.4
10,0°	280.5	276.6	274.8	277.0	280.8	278.6	272.2	269.6	269.1	273.3	273.9	275.3	275.6
12,5°	289.2	286.8	282.7	281.0	277.9	277.4	280.6	282.2	279.8	279.6	278.5	279.4	279.1
15,0°	288.1	289.0	288.6	282.0	281.9	284.6	284.1	287.9	291.2	290.4	290.4	287.4	286.6
17,5°	286.5	287.8	285.5	285.9	286.0	290.2	291.3	295.8	292.3	291.9	293.7	291.6	289.1
20,0°	291.5	292.4	288.6	292.7	293.0	298.5	297.4	298.5	297.9	297.2	297.4	296.1	295.5
22,5°	294.2	287.4	289.6	295.1	298.6	301.7	301.5	304.4	301.6	303.0	304.1	302.2	302.9
25,0°	290.1	291.1	297.6	301.1	304.1	306.9	304.1	310.9	311.8	314.8	310.7	306.6	305.0
27,5°	287.5	292.3	300.5	303.1	307.5	314.6	310.4	317.0	314.8	313.0	306.9	305.5	309.4
30,0°	292.0	294.2	306.8	308.2	318.6	321.3	321.7	325.9	317.9	312.7	313.6	314.2	314.2
32,5°	296.6	303.4	310.5	316.2	324.8	328.0	325.1	324.3	321.7	320.6	319.3	318.8	318.9
35,0°	293.7	307.9	314.0	322.5	330.7	330.2	333.2	331.9	324.2	323.3	323.9	327.2	329.1
37,5°	303.1	313.9	324.1	334.6	336.2	339.9	336.6	332.6	330.2	336.0	331.7	335.5	336.0
40,0°	308.1	323.2	333.3	337.1	341.8	344.1	345.3	335.2	345.8	340.1	337.1	341.4	336.8
42,5°	310.4	331.9	338.8	346.6	352.2	343.4	360.7	346.8	357.8	348.2	345.1	344.2	337.4
45,0°	314.3	336.1	345.1	351.3	352.5	350.5	355.5	355.4	363.9	365.9	352.7	349.6	341.3
47,5°	314.4	339.7	350.1	358.2	355.5	358.5	354.9	364.8	369.6	371.3	360.1	351.7	330.9
50,0°	313.6	338.4	355.7	357.1	362.9	365.7	359.9	376.6	390.1	379.0	360.1	337.0	305.4
52,5°	310.1	339.8	351.2	364.1	368.6	376.4	380.3	400.7	411.0	378.8	346.4	308.8	268.0
55,0°	309.7	336.3	357.1	363.3	377.6	395.3	407.2	415.4	395.9	359.4	318.0	267.3	223.8
57,5°	310.0	338.2	361.6	380.5	390.8	408.7	436.4	415.4	373.0	331.3	278.8	218.4	176.1
60,0°	313.9	356.4	381.1	402.5	421.8	447.8	434.4	387.7	349.1	287.7	221.2	169.0	149.6
62,5°	324.3	374.3	410.6	432.6	463.2	465.3	416.3	360.4	308.4	234.2	182.3	158.2	147.0
65,0°	330.8	392.8	440.0	467.1	483.1	450.2	389.2	326.5	265.4	207.0	179.3	149.5	120.1
67,5°	331.5	403.9	453.0	489.0	470.7	422.7	366.6	305.3	256.5	211.8	158.8	115.9	86.0
70,0°	323.2	394.9	447.7	461.5	422.9	385.2	351.0	344.3	283.9	188.9	118.3	74.2	48.5
72,5°	316.1	359.3	401.7	388.4	373.1	363.3	394.6	409.8	286.0	144.6	69.3	39.5	28.1
75,0°	244.1	257.5	289.2	299.7	316.8	366.8	438.0	374.9	196.5	72.3	32.2	23.3	21.1
77,5°	127.1	147.2	181.9	217.4	238.2	288.7	316.5	219.1	70.5	28.0	20.6	17.9	17.0
80,0°	33.5	53.0	71.3	80.0	84.1	96.1	90.3	66.5	20.1	17.3	16.8	12.6	12.6
82,5°	6.2	9.7	17.5	24.9	29.9	37.4	35.4	17.1	10.8	10.9	11.3	8.2	8.1
85,0°	1.2	1.4	2.0	2.7	3.3	4.8	5.6	4.1	4.1	4.6	5.2	4.0	3.9
87,5°	0.3	0.4	0.5	0.5	0.6	0.7	0.9	1.0	1.1	1.2	1.5	1.2	1.2
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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		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°	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5
2,5°	271.5	272.2	271.7	270.4	271.3	272.5	277.7	275.7	275.6	274.8	274.5	271.8	269.8
5,0°	268.1	267.6	267.2	266.5	266.4	264.7	276.0	275.8	273.8	271.3	270.7	265.9	261.6
7,5°	270.3	271.6	268.7	269.2	266.8	266.3	278.8	275.9	273.3	272.2	266.5	262.4	258.5
10,0°	279.4	277.9	273.7	272.9	271.2	273.0	280.7	276.5	269.2	264.4	259.9	255.3	249.5
12,5°	278.6	280.8	279.4	279.3	278.5	273.8	288.2	284.0	274.9	264.3	256.9	253.0	246.5
15,0°	285.1	284.0	283.9	287.7	288.0	286.1	289.0	286.8	275.9	263.3	253.3	246.3	239.9
17,5°	290.0	288.1	290.0	288.8	291.7	294.1	287.2	284.3	275.6	258.5	253.6	241.8	228.9
20,0°	293.4	292.3	296.4	290.0	290.0	292.8	293.7	285.3	273.7	258.3	246.8	237.9	222.9
22,5°	298.9	295.2	298.5	293.0	293.5	293.4	291.1	289.6	273.2	253.8	240.0	225.4	215.1
25,0°	303.5	300.9	298.5	297.3	296.1	297.7	289.2	283.4	273.0	251.9	234.0	219.6	206.1
27,5°	304.9	305.2	302.5	301.1	299.3	305.5	291.3	285.0	274.1	248.8	231.4	212.9	194.9
30,0°	312.7	305.3	305.5	302.9	307.6	302.7	288.7	284.3	265.7	245.1	225.0	207.3	188.4
32,5°	319.2	313.3	310.5	312.2	306.2	306.2	283.1	279.6	263.4	240.9	219.4	196.1	184.6
35,0°	323.5	319.3	312.4	309.8	305.1	299.3	286.6	274.8	263.2	233.8	209.8	191.2	183.1
37,5°	329.9	320.0	318.1	311.8	303.1	304.5	285.3	273.8	256.8	228.8	203.4	183.6	178.0
40,0°	326.8	319.2	316.0	314.5	307.7	304.6	283.4	268.2	254.7	221.7	195.2	181.8	177.4
42,5°	328.9	324.7	313.0	313.8	302.9	300.2	281.7	262.2	243.7	213.5	188.7	181.1	170.7
45,0°	329.9	314.5	297.4	287.6	275.9	276.6	282.8	256.2	236.6	207.6	182.1	178.0	160.5
47,5°	308.8	280.5	261.8	246.2	234.1	234.1	281.8	246.6	228.8	198.6	177.3	171.6	143.5
50,0°	269.9	239.9	221.1	206.5	191.4	192.8	272.7	241.8	218.0	191.2	173.4	161.4	125.2
52,5°	227.6	201.2	180.4	164.6	155.8	152.3	269.6	232.4	205.8	183.3	167.5	141.2	105.0
55,0°	184.5	161.5	142.3	135.6	131.5	128.0	268.2	229.8	198.7	172.6	162.6	121.1	89.1
57,5°	150.6	141.1	134.8	129.7	120.0	120.9	267.6	224.3	189.9	170.2	151.9	105.1	75.3
60,0°	141.3	133.7	123.7	113.7	110.2	105.4	266.2	219.0	182.8	168.7	145.2	84.3	62.4
62,5°	128.2	112.1	99.9	90.0	86.2	82.4	261.4	213.3	174.7	160.5	141.7	72.1	56.8
65,0°	99.2	79.4	68.2	59.3	54.4	55.5	258.5	201.1	162.6	150.0	126.5	62.8	50.1
67,5°	61.3	47.3	40.9	38.1	35.3	36.4	247.6	187.6	145.7	130.3	103.1	53.3	43.3
70,0°	35.3	31.8	30.3	27.9	27.8	26.8	240.7	174.2	128.1	108.1	85.0	47.0	35.7
72,5°	25.9	25.3	24.5	22.6	23.1	21.7	230.1	158.9	112.6	89.8	64.6	36.7	31.7
75,0°	20.7	20.5	19.8	18.7	18.3	18.0	194.3	130.2	78.9	63.6	43.0	28.7	26.2
77,5°	16.6	16.2	15.3	14.6	14.3	14.6	118.7	58.0	20.8	29.3	25.7	17.5	17.8
80,0°	11.9	12.1	11.0	10.7	10.4	10.4	32.3	9.7	6.1	12.2	12.9	9.1	9.1
82,5°	8.0	7.6	7.6	7.4	6.9	6.2	5.0	2.7	2.9	3.9	4.1	3.0	1.6
85,0°	3.7	4.1	4.1	3.7	3.3	3.0	1.2	1.0	1.0	0.7	0.6	0.5	0.2
87,5°	1.1	1.3	1.2	1.1	1.0	1.0	0.3	0.2	0.2	0.2	0.1	0.1	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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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		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°	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	0.4	0.4
2,5°	268.5	268.9	268.2	267.9	268.1	267.2	267.4	267.3	267.8	267.2	267.4	3.2	3.7
5,0°	258.3	254.5	252.2	250.1	250.6	249.2	250.4	252.1	254.6	253.9	255.1	6.3	10.0
7,5°	253.2	249.6	246.9	243.4	241.8	240.1	238.5	238.0	237.2	236.5	235.9	9.4	19.4
10,0°	246.6	241.3	236.8	232.4	231.2	227.8	225.6	222.2	220.8	221.0	221.4	12.4	31.8
12,5°	242.7	233.6	227.3	222.1	217.3	215.3	212.9	212.5	209.4	207.8	209.0	15.4	47.2
15,0°	233.0	224.6	215.3	210.9	206.2	200.4	196.3	196.0	195.2	190.0	189.7	18.4	65.6
17,5°	223.4	215.6	205.0	198.1	192.0	188.0	182.3	180.3	179.7	177.1	177.0	21.1	86.7
20,0°	214.7	202.7	194.1	186.2	181.6	179.9	175.0	171.4	172.3	169.2	166.4	23.9	110.6
22,5°	204.1	193.6	184.4	178.0	171.6	170.7	170.7	168.1	164.5	164.2	163.2	26.7	137.3
25,0°	189.5	182.2	178.9	173.9	167.7	164.7	164.2	162.4	163.3	162.0	159.6	29.4	166.7
27,5°	186.1	181.6	171.6	167.3	164.1	158.7	157.7	154.0	150.5	149.0	147.0	32.0	198.7
30,0°	181.3	178.3	168.4	164.0	159.7	154.5	144.9	141.4	133.3	128.4	127.6	34.5	233.3
32,5°	177.7	168.8	163.3	159.4	151.2	146.4	135.1	123.5	114.9	107.7	107.0	36.9	270.1
35,0°	178.3	165.2	156.5	148.1	142.4	131.6	119.3	106.1	96.7	90.9	87.8	39.0	309.1
37,5°	171.2	159.1	148.6	141.6	129.9	113.6	100.4	89.5	80.3	75.0	73.4	41.2	350.3
40,0°	161.1	148.6	139.0	131.3	114.8	96.2	81.8	73.1	68.4	65.6	64.8	43.1	393.4
42,5°	151.2	140.3	126.0	117.4	100.5	81.3	70.4	66.6	62.3	61.2	60.6	45.0	438.4
45,0°	137.4	125.8	116.7	102.3	84.9	69.6	62.1	58.5	57.5	58.4	58.8	46.2	484.6
47,5°	122.6	111.6	104.9	87.4	70.5	62.3	56.9	55.3	55.3	54.1	55.2	46.5	531.1
50,0°	105.9	101.5	94.5	74.3	62.2	56.1	53.6	51.7	51.0	50.8	49.9	46.3	577.4
52,5°	92.1	89.6	74.0	62.8	54.7	52.6	50.1	48.1	46.4	46.3	45.2	45.6	623.0
55,0°	80.1	75.2	59.7	53.1	49.2	47.3	46.2	43.5	42.4	41.7	40.8	44.6	667.6
57,5°	72.2	65.6	52.2	46.3	45.2	44.5	42.2	40.0	38.3	37.8	37.8	43.9	711.6
60,0°	64.9	53.5	45.3	42.3	42.0	42.0	39.0	37.8	35.5	34.7	35.5	43.4	755.0
62,5°	58.2	46.5	40.2	38.0	38.7	38.9	37.6	35.3	31.6	31.2	30.9	42.7	797.7
65,0°	48.5	38.6	35.4	35.0	33.2	33.2	32.2	30.1	27.6	26.1	25.9	41.1	838.8
67,5°	40.0	33.3	30.7	28.8	28.4	27.4	25.8	22.4	19.4	17.8	17.3	38.7	877.5
70,0°	33.9	28.1	26.6	25.0	23.5	19.0	16.2	11.9	9.1	7.5	6.5	36.0	913.6
72,5°	26.8	22.8	22.0	19.8	14.7	10.1	6.8	4.3	3.5	3.1	3.2	33.2	946.7
75,0°	21.1	16.5	14.5	11.7	7.0	3.9	2.7	1.7	1.5	1.6	1.9	27.1	973.8
77,5°	13.6	9.9	6.4	3.8	2.2	1.3	1.2	0.7	0.6	0.8	1.1	17.1	991.0
80,0°	5.6	2.8	1.3	0.3	0.4	0.2	0.2	0.3	0.2	0.3	0.5	6.1	997.1
82,5°	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	2.2	999.3
85,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	999.9
87,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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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Familie Streetlight 31 maxi toolless	Bestell-Nr.: 5XH8D31S08TA EAN: 4069025104717	LP-Nummer 59078_737
Dimmstufen-Tabelle		Umgebungstemperatur: 25°C
siteco		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	33650	228.8	248.7	238.8
95	238	252	31931	213.0	232.5	222.8
90	223	249	30256	198.8	217.1	208.0
85	210	247	28659	187.3	203.5	195.4
80	195	244	26881	173.1	188.5	180.8
75	182	242	25286	161.1	175.0	168.0
70	168	239	23558	148.2	161.1	154.6
65	155	236	21895	136.6	148.1	142.4
60	142	233	20224	124.9	135.5	130.2
55	129	229	18503	113.6	123.1	118.4
50	116	225	16766	102.4	110.7	106.6
45	104	221	15128	92.2	99.6	95.9
40	92	217	13464	82.1	88.6	85.4
35	80	212	11786	72.0	77.7	74.8
30	68	206	10061	62.2	66.8	64.5
25	57	199	8470	53.2	57.0	55.1
20	45	191	6712	43.2	46.3	44.8
15	34	180	5079	34.0	36.4	35.2
10	23	166	3430	24.5	26.1	25.3
9	21	163	3127	22.7	24.3	23.5

Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	34590	231.1	251.2	241.2
95	239	252	32887	216.2	235.7	226.0
90	224	249	31112	202.0	220.0	211.0
85	211	247	29464	190.3	207.0	198.6
80	197	245	27727	176.8	192.4	184.6
75	183	242	25941	163.8	178.0	170.9
70	170	239	24271	151.8	164.9	158.4
65	156	236	22419	139.0	150.8	144.9
60	143	233	20694	127.3	138.0	132.6
55	131	230	19065	116.7	126.3	121.5
50	118	226	17279	105.4	113.9	109.6
45	106	222	15601	95.0	102.6	98.8
40	94	218	13902	84.8	91.5	88.2
35	81	212	12059	73.7	79.5	76.6
30	70	207	10443	64.7	69.5	67.1
25	58	200	8681	54.7	58.7	56.7
20	46	191	6907	44.6	47.8	46.2
15	35	181	5257	35.3	37.8	36.6
10	23	166	3445	24.8	26.5	25.6
9	21	163	3140	23.0	24.6	23.8

Lichttechnischer Prüfbefund

Familie Streetlight 31 maxi toolless	Bestell-Nr.: 5XH8D31S08TA EAN: 4069025104717	LP-Nummer 59078_737
Dimmstufen-Tabelle		siteco
Umgebungstemperatur: 15°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	34160	229.9	249.9	239.9
95	239	252	32503	215.1	234.5	224.8
90	224	249	30774	200.9	218.8	209.8
85	210	247	29033	188.3	204.5	196.4
80	196	245	27336	174.9	190.5	182.7
75	182	242	25582	161.9	176.0	169.0
70	169	239	23942	149.9	163.0	156.4
65	156	236	22247	138.2	149.9	144.0
60	143	233	20549	126.6	137.2	131.9
55	130	229	18808	115.1	124.7	119.9
50	117	226	17044	103.9	112.3	108.1
45	105	222	15385	93.5	101.0	97.2
40	93	217	13701	83.4	90.0	86.7
35	81	212	12015	73.2	79.0	76.1
30	69	206	10265	63.4	68.2	65.8
25	57	199	8515	53.5	57.4	55.4
20	46	191	6894	44.4	47.5	46.0
15	34	180	5100	34.2	36.6	35.4
10	23	166	3442	24.6	26.3	25.5
9	21	163	3138	22.8	24.4	23.6

office

industry

traffic

retail

public

sports

Lichttechnischer Prüfbefund

Familie
Streetlight 31 maxi toolless

Bestell-Nr.: 5XH8D31S08TA
EAN: 4069025104717

LP-Nummer
59078_737

Lichtstrom-Tabelle

siteco

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	33650.0	228.8
5.0	34590.0	231.1
15.0	34160.0	229.9