

Lichttechnischer Prüfbefund

Familie
Streetlight 31 midi toolless

Bestell-Nr.: 5XH7V31T08QA
EAN: 4069025100184

LP-Nummer
59540_229



Ausführung Mastansatz- / Mastaufsatzmontage, Smart Interface oben/unten
Optik asymmetrisch, extrem breit strahlend (P0.5a G)
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 3000 K | CRI ≥ 70
Betriebsgerät EVG SITECO - Smart Interface
Bemessungswerte Nettolichtstrom = 24000 lm
Systemleistung = 163.3 W
Lichtausbeute = 147 lm/W

Seriendokumentation
10.04.2024

siteco

Lichtstärke in cd/klm

C180-0

C200-20

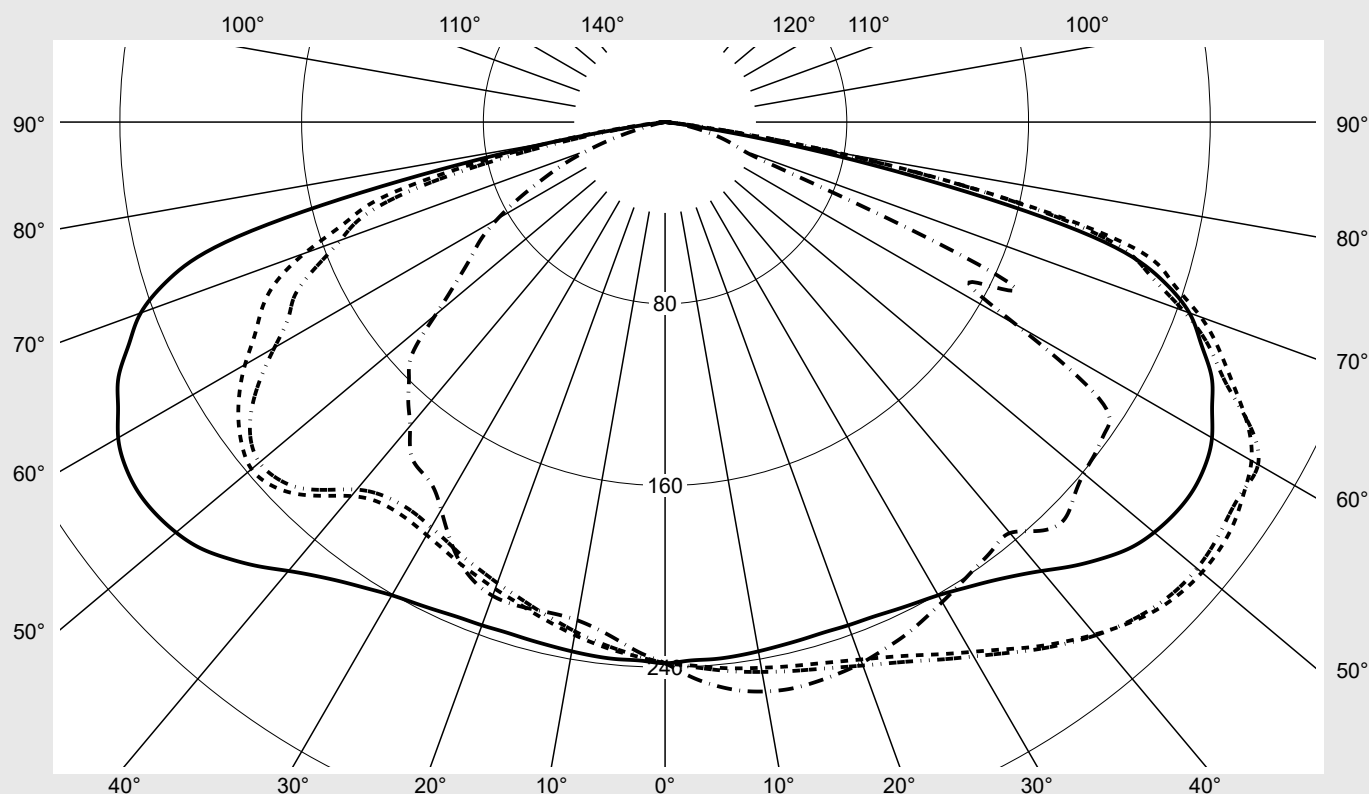
C205-25

C270-90

Imax: 308 cd/klm

Hausseite

Straßenseite



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G6
Imax 70°	256.5
Imax 80°	74.5
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

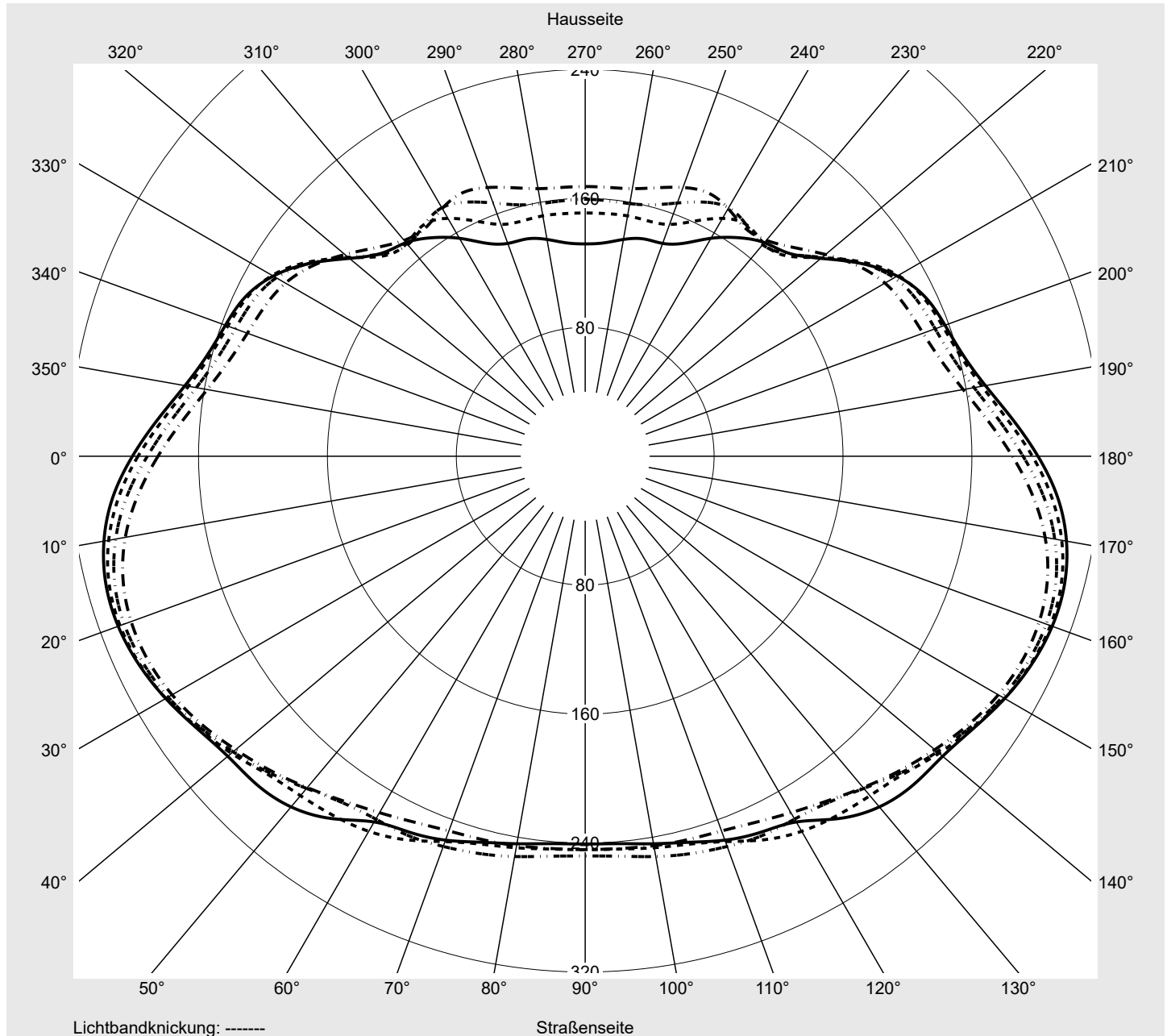
KMK 50°

KMK 47,5°

KMK 45°

KMK 42,5°

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Familie Streetlight 31 midi toolless	Bestell-Nr.: 5XH7V31T08QA EAN: 4069025100184	LP-Nummer 59540_229
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°	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2
2,5°	237.3	237.5	238.1	238.8	239.3	239.9	240.2	240.7	241.5	241.7	242.0	242.5	242.9
5,0°	237.4	238.0	238.8	239.9	241.0	241.9	242.7	243.5	244.6	245.2	245.8	246.5	247.1
7,5°	237.1	238.2	239.5	241.0	242.5	244.0	245.1	246.2	247.5	248.4	249.3	250.0	250.6
10,0°	236.6	238.2	239.9	241.9	243.9	245.8	247.4	248.6	250.0	251.1	252.0	252.6	253.2
12,5°	236.0	238.3	240.4	243.0	245.5	247.6	249.4	250.9	252.2	253.3	254.1	254.7	255.0
15,0°	235.6	238.5	241.1	244.2	247.1	249.5	251.5	253.1	254.1	255.1	255.8	256.2	256.2
17,5°	235.3	239.0	242.1	245.7	249.2	251.8	253.9	255.5	256.4	257.0	257.4	257.2	256.9
20,0°	235.7	240.1	243.9	248.0	251.8	254.6	256.7	258.1	258.5	258.7	258.6	258.0	257.4
22,5°	236.2	241.5	246.0	250.8	255.0	257.8	259.6	260.5	260.4	260.0	259.4	258.4	257.3
25,0°	237.3	243.5	248.9	254.5	259.0	261.8	262.9	262.9	262.2	261.3	260.2	258.6	257.0
27,5°	238.7	246.0	252.9	259.4	264.0	266.6	267.1	266.4	264.7	262.7	260.7	258.6	256.6
30,0°	240.5	249.4	257.8	264.7	269.3	271.6	271.4	269.9	267.6	264.6	261.5	258.8	256.5
32,5°	243.5	253.9	263.5	270.7	275.3	277.3	276.5	274.3	270.9	266.8	262.8	259.6	256.7
35,0°	247.2	259.5	270.1	277.6	282.1	283.6	282.1	279.0	274.6	269.3	264.8	260.4	256.5
37,5°	251.9	265.3	276.5	284.1	288.4	289.4	287.5	283.6	277.9	271.9	266.1	260.9	256.4
40,0°	257.9	272.0	283.3	290.8	294.5	294.9	292.3	287.5	280.9	274.1	267.3	261.3	255.9
42,5°	265.2	278.8	289.9	297.0	299.9	299.5	296.1	290.4	283.2	275.9	268.4	261.2	255.4
45,0°	271.8	285.6	295.9	302.4	304.5	303.0	298.9	292.4	285.3	277.6	269.0	262.5	260.0
47,5°	277.6	290.6	300.3	305.9	307.3	305.1	300.6	293.5	286.7	279.0	274.9	272.2	268.7
50,0°	281.0	294.4	303.3	308.0	308.5	305.7	300.6	294.3	289.6	288.2	284.0	274.4	262.0
52,5°	282.9	296.1	304.6	308.3	308.1	304.7	299.6	297.0	297.9	293.2	280.2	268.9	260.6
55,0°	283.4	296.4	304.5	307.4	306.1	302.7	301.1	302.7	299.0	287.3	277.3	263.0	250.2
57,5°	281.8	294.2	302.3	304.6	302.4	301.8	305.3	302.8	291.1	282.3	265.6	251.7	240.8
60,0°	278.0	289.6	297.4	299.9	298.1	301.4	306.7	298.1	285.4	267.5	252.7	240.4	231.1
62,5°	271.5	282.8	289.9	292.5	289.2	290.5	292.2	289.3	274.8	251.5	238.4	226.6	217.3
65,0°	265.5	275.5	281.2	283.0	276.6	272.6	272.7	269.1	253.6	232.0	217.9	208.5	203.1
67,5°	255.5	265.6	270.2	271.0	264.5	259.5	258.9	247.4	230.6	208.1	193.8	187.1	185.3
70,0°	245.6	253.4	256.5	255.8	251.0	242.8	232.3	218.1	200.6	183.2	168.1	164.4	158.1
72,5°	228.5	234.6	236.2	235.1	233.9	223.7	206.6	186.8	169.6	156.3	143.4	138.9	120.8
75,0°	194.7	195.1	199.0	209.9	213.2	203.6	180.2	156.3	139.6	128.8	118.9	109.7	86.9
77,5°	118.9	121.4	127.9	140.9	149.5	148.0	139.4	124.1	109.0	97.7	88.2	79.3	61.2
80,0°	48.4	49.8	59.9	70.1	74.5	72.8	73.8	68.2	62.2	64.4	61.2	53.2	40.3
82,5°	5.9	5.6	6.9	11.1	15.0	19.9	24.6	26.8	29.1	29.4	28.1	28.6	21.9
85,0°	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2.8	5.0	6.4	7.9	7.6	6.5
87,5°	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9
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
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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°	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2
2,5°	243.1	243.3	243.5	243.7	244.0	244.1	237.0	236.3	236.1	236.0	235.7	235.4	235.1
5,0°	247.5	247.7	248.2	248.5	248.7	248.9	236.4	235.2	234.6	234.0	233.2	232.7	232.1
7,5°	251.1	251.3	251.7	252.1	252.3	252.4	235.6	234.0	232.8	231.8	230.6	229.8	228.8
10,0°	253.6	253.7	254.0	254.3	254.5	254.5	234.4	232.3	230.7	229.3	227.7	226.4	225.4
12,5°	255.2	255.1	255.2	255.4	255.5	255.5	233.2	230.5	228.3	226.5	224.5	223.1	222.0
15,0°	256.0	255.7	255.5	255.5	255.3	255.2	232.0	228.8	226.1	223.7	221.5	220.0	218.8
17,5°	256.4	255.7	255.2	254.9	254.6	254.5	231.1	227.2	224.0	221.0	218.5	216.8	215.8
20,0°	256.4	255.4	254.5	253.9	253.5	253.3	230.6	226.1	222.2	218.7	215.9	214.1	213.2
22,5°	256.1	254.8	253.4	252.3	251.7	251.4	230.4	225.2	220.5	216.3	213.3	211.4	210.7
25,0°	255.5	253.9	252.2	250.6	249.8	249.4	230.5	224.3	218.9	214.2	210.9	208.9	208.1
27,5°	254.6	252.6	250.7	248.6	247.2	246.8	230.6	223.7	217.2	211.8	208.1	206.1	205.4
30,0°	254.1	251.5	248.9	246.5	244.5	244.0	231.7	223.3	215.8	209.9	206.0	203.9	203.6
32,5°	253.8	250.5	247.2	244.2	242.0	241.4	233.2	223.4	215.0	208.6	204.5	202.8	202.8
35,0°	253.1	249.3	245.3	242.1	239.8	239.0	235.9	224.7	215.1	208.4	204.6	203.2	203.1
37,5°	252.2	248.0	243.9	240.6	237.9	237.1	239.1	226.9	216.7	210.0	206.5	204.9	203.8
40,0°	251.1	246.5	242.5	239.3	236.9	236.2	244.5	231.5	221.4	214.9	211.2	208.5	204.5
42,5°	250.6	247.4	246.2	245.4	244.3	244.1	251.0	238.3	228.9	223.2	219.6	214.8	206.2
45,0°	259.7	257.6	255.2	252.2	249.1	248.0	257.8	245.1	236.2	231.1	227.7	221.4	208.7
47,5°	262.6	254.5	249.2	246.7	244.6	244.1	262.9	250.1	241.1	236.1	232.0	224.4	210.0
50,0°	257.5	253.5	248.0	244.1	241.3	240.6	266.1	252.3	242.8	237.7	233.1	223.6	208.6
52,5°	251.2	244.9	242.1	240.7	239.3	238.9	266.9	251.8	241.0	234.6	229.9	219.4	203.8
55,0°	243.2	238.5	237.3	237.6	236.9	236.9	267.2	250.9	238.0	229.3	222.4	210.0	194.8
57,5°	234.8	231.1	231.4	231.5	228.4	226.6	265.9	248.8	234.0	222.2	211.5	194.5	178.5
60,0°	224.0	222.1	219.2	203.5	185.6	178.7	262.4	244.0	227.9	213.5	198.5	177.2	155.0
62,5°	211.1	203.0	179.8	157.1	151.1	152.4	255.7	235.9	219.2	203.8	187.0	161.9	138.0
65,0°	192.2	167.0	147.6	160.8	169.6	166.4	248.1	226.8	210.5	196.1	179.7	152.0	125.4
67,5°	160.4	132.9	139.7	112.6	79.6	70.0	238.5	217.0	201.7	186.0	166.0	137.5	102.2
70,0°	124.2	113.5	80.1	43.1	37.5	36.7	228.2	207.7	189.6	168.8	152.1	121.0	79.1
72,5°	94.2	70.4	34.4	31.3	30.3	30.0	213.8	196.5	166.3	147.8	140.2	97.8	60.8
75,0°	68.8	33.0	24.9	24.6	23.8	23.5	185.0	166.1	133.3	129.6	114.8	74.9	40.4
77,5°	42.1	18.9	17.8	17.5	16.7	16.4	125.5	104.8	84.8	89.9	72.8	40.0	22.4
80,0°	20.7	11.7	11.4	10.9	10.4	10.2	49.6	44.0	43.6	48.4	32.4	14.5	12.4
82,5°	9.2	6.5	6.2	6.1	5.7	5.6	6.8	6.4	10.9	13.5	8.3	5.6	5.7
85,0°	2.9	2.5	2.5	2.4	2.3	2.2	2.4	2.4	2.4	2.4	2.3	2.2	2.1
87,5°	0.9	0.8	0.9	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3	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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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°	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	0.4	0.4
2,5°	234.8	234.7	234.6	234.3	234.3	234.4	234.5	234.3	234.3	234.2	234.2	2.8	3.2
5,0°	231.3	231.0	230.6	230.1	229.9	229.8	229.7	229.6	229.4	229.4	229.4	5.7	8.9
7,5°	227.9	227.2	226.7	226.2	225.8	225.7	225.5	225.3	225.2	225.3	225.3	8.5	17.4
10,0°	224.2	223.7	223.2	222.7	222.5	222.5	222.4	222.4	222.5	222.6	222.7	11.3	28.7
12,5°	220.9	220.4	220.2	220.2	220.3	220.5	220.8	221.1	221.4	221.7	221.9	14.1	42.8
15,0°	218.0	217.8	218.1	218.5	219.1	219.7	220.3	220.9	221.6	222.0	222.2	16.8	59.6
17,5°	215.5	215.7	216.3	217.2	218.2	219.2	220.1	221.0	221.9	222.4	222.6	19.5	79.1
20,0°	213.3	213.9	214.9	216.1	217.4	218.4	219.3	220.3	221.1	221.7	221.9	22.2	101.2
22,5°	211.0	211.7	213.0	214.3	215.5	216.4	217.1	217.7	218.3	218.9	219.1	24.7	125.9
25,0°	208.4	209.5	210.8	212.0	212.8	213.1	213.1	213.0	213.1	213.4	213.7	27.2	153.2
27,5°	206.1	207.2	208.3	208.7	208.3	207.6	206.7	206.2	205.8	205.7	205.9	29.6	182.8
30,0°	204.5	205.4	205.3	204.4	202.8	200.8	199.0	197.7	197.2	196.9	197.1	31.9	214.7
32,5°	203.4	203.2	201.5	198.8	195.6	192.4	190.2	189.2	189.2	189.8	190.2	34.2	248.8
35,0°	202.5	199.9	195.9	191.3	186.9	183.7	183.2	184.2	185.8	187.0	187.5	36.4	285.3
37,5°	200.6	195.5	189.2	183.4	179.5	178.6	181.2	183.8	184.5	184.1	183.9	38.8	324.0
40,0°	198.0	189.6	181.5	176.2	175.6	179.2	182.3	180.9	177.6	175.3	174.7	41.1	365.1
42,5°	194.7	183.2	174.9	172.9	177.5	180.3	177.4	172.5	168.6	167.4	167.3	43.5	408.6
45,0°	192.0	177.6	171.3	174.8	178.0	174.0	167.2	161.5	159.2	159.1	159.4	45.9	454.5
47,5°	191.5	176.0	172.4	175.1	170.4	161.0	153.1	151.1	151.4	151.1	150.9	47.9	502.4
50,0°	191.0	178.3	173.0	165.5	156.1	145.9	140.5	139.6	136.6	132.9	131.7	49.3	551.6
52,5°	188.5	178.4	165.3	151.1	137.1	128.7	128.3	125.6	119.8	116.5	116.0	50.0	601.7
55,0°	180.5	166.4	147.4	130.9	119.3	117.7	116.1	110.0	105.8	104.4	104.7	50.3	651.9
57,5°	160.7	141.9	126.3	112.6	107.9	108.0	101.5	97.5	96.5	95.8	96.2	49.8	701.7
60,0°	137.1	120.9	107.9	100.7	100.2	95.4	88.5	86.8	86.3	85.0	85.1	48.3	750.0
62,5°	120.2	105.6	96.5	93.8	89.2	80.7	76.1	75.2	74.5	72.5	72.3	46.0	796.0
65,0°	103.2	92.1	87.2	82.7	74.1	66.9	63.7	62.8	63.5	59.8	59.3	43.9	839.8
67,5°	79.9	73.1	69.4	64.1	58.1	54.4	51.9	51.9	53.0	49.0	48.0	39.6	879.5
70,0°	59.9	55.4	52.2	49.6	47.6	45.3	41.9	41.0	41.2	36.5	35.7	34.9	914.4
72,5°	44.5	42.2	40.2	39.5	38.4	35.2	31.1	29.9	28.7	24.4	23.5	30.4	944.8
75,0°	32.9	31.4	31.0	30.7	29.2	25.4	20.6	18.2	15.7	12.8	12.1	25.2	969.9
77,5°	22.0	21.6	20.9	19.9	17.6	14.7	11.7	9.7	7.7	5.2	5.0	17.3	987.2
80,0°	11.8	11.1	10.5	9.8	8.8	7.5	6.0	4.8	3.6	2.0	1.8	8.9	996.1
82,5°	5.5	5.1	4.9	4.6	4.3	3.7	3.0	2.4	1.8	1.1	1.0	2.9	999.0
85,0°	2.0	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.8	0.7	0.7	999.7
87,5°	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.6	0.6	0.6	0.6	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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Familie Streetlight 31 midi toolless	Bestell-Nr.: 5XH7V31T08QA EAN: 4069025100184	LP-Nummer 59540_229
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	24000	163.3	178.2	170.8
95	238	252	22785	152.5	166.4	159.4
90	223	249	21601	142.4	155.4	148.9
85	208	247	20366	132.7	144.5	138.6
80	194	244	19194	123.4	134.5	129.0
75	180	241	17989	114.2	124.5	119.4
70	167	239	16839	105.9	115.2	110.6
65	153	235	15579	96.9	105.4	101.2
60	140	232	14388	88.6	96.3	92.4
55	127	229	13172	80.5	87.4	84.0
50	115	225	12035	73.0	79.2	76.1
45	102	221	10772	65.0	70.5	67.8
40	90	216	9592	57.6	62.4	60.0
35	78	211	8389	50.3	54.5	52.4
30	66	205	7167	43.2	46.5	44.8
25	55	198	6030	36.9	39.6	38.2
20	43	189	4776	29.9	32.1	31.0
15	32	178	3610	23.6	25.3	24.5
10	21	163	2430	16.6	18.0	17.3
9	18	157	2106	14.3	15.5	14.9

Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	24760	165.2	180.3	172.8
95	239	252	23548	155.1	169.1	162.1
90	224	249	22291	144.9	158.1	151.5
85	210	247	21083	135.7	147.8	141.8
80	195	244	19765	125.7	136.8	131.2
75	182	242	18598	117.1	127.5	122.3
70	168	239	17313	107.9	117.5	112.7
65	155	236	16101	99.5	108.2	103.8
60	142	233	14871	91.2	99.1	95.2
55	129	229	13618	82.9	90.0	86.4
50	116	225	12349	74.7	81.1	77.9
45	104	221	11157	67.3	72.8	70.0
40	92	217	9949	59.8	64.7	62.2
35	79	211	8619	51.7	55.9	53.8
30	68	206	7480	45.1	48.5	46.8
25	56	199	6219	38.0	40.8	39.4
20	44	190	4944	31.0	33.3	32.2
15	33	179	3763	24.6	26.3	25.5
10	21	163	2458	16.9	18.3	17.6
9	18	157	2130	14.6	15.8	15.2

Lichttechnischer Prüfbefund

Familie Streetlight 31 midi toolless	Bestell-Nr.: 5XH7V31T08QA EAN: 4069025100184	LP-Nummer 59540_229
Dimmstufen-Tabelle		Umgebungstemperatur: 15°C
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	24400	164.2	179.2	171.7
95	238	252	23143	153.5	167.4	160.4
90	223	249	21921	143.3	156.3	149.8
85	209	247	20735	134.2	146.2	140.2
80	195	244	19535	124.8	135.9	130.4
75	181	242	18304	115.6	125.9	120.8
70	167	239	17041	106.6	115.9	111.2
65	154	236	15849	98.2	106.8	102.5
60	141	232	14637	89.9	97.7	93.8
55	128	229	13401	81.7	88.7	85.2
50	116	225	12245	74.2	80.5	77.4
45	103	221	10970	66.2	71.6	68.9
40	91	216	9775	58.7	63.5	61.1
35	79	211	8559	51.3	55.5	53.4
30	67	205	7326	44.1	47.5	45.8
25	55	198	6074	37.1	39.9	38.5
20	44	190	4916	30.7	33.0	31.8
15	32	178	3634	23.8	25.5	24.6
10	21	163	2445	16.7	18.1	17.4
9	18	157	2119	14.4	15.6	15.0

Lichttechnischer Prüfbefund

Familie

Streetlight 31 midi toolless

Bestell-Nr.: 5XH7V31T08QA

EAN: 4069025100184

LP-Nummer

59540_229**Lichtstrom-Tabelle****sITeco**

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	24000.0	163.3
5.0	24760.0	165.2
15.0	24400.0	164.2