

## Lichttechnischer Prüfbefund

Familie  
LITEPOLE 2

Bestell-Nr.: 5XA5425JF14H  
EAN: 4058352636596

LP-Nummer  
58891\_24



<b>Ausführung</b>	Mastaufsatz- oder Montage am Wandausleger
<b>Optik</b>	symmetrisch, breit strahlend (PL1.2s)
<b>Abdeckung</b>	Abdeckung klar, PMMA
<b>Bestückung</b>	LED 3000 K   CRI ≥ 70
<b>Betriebsgerät</b>	EVG SITECO iQ
<b>Bemessungswerte</b>	Nettolichtstrom = 2990 lm Systemleistung = 19.3 W Lichtausbeute = 154.9 lm/W

Seriendokumentation  
24.02.2023

siteco

Lichtstärke in cd/klm

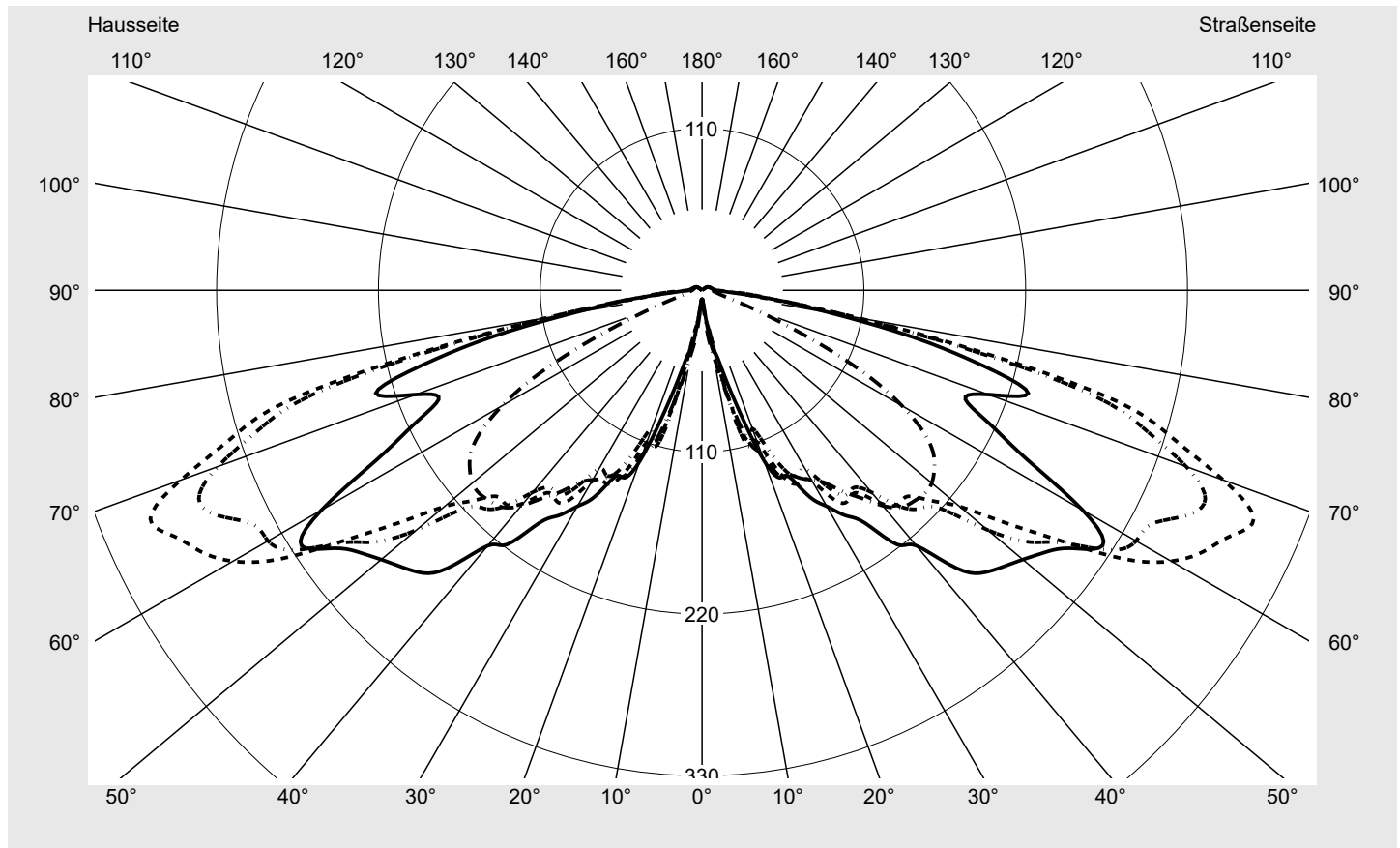
C180-0

C205-25

C210-30

C270-90

Imax: 406 cd/klm



#### Leuchtenbetriebswirkungsgrade

Eta	100.0%
Eta 0° - 90°	97.7%
Eta 90° - 180°	2.3%

#### Lichtstärkeklasse nach EN13201-2

Klasse:	G2
Imax 70°	377.3
Imax 80°	113.1
Imax 90°	9.2
Imax >90°	8.6
Imax >95°	7.7

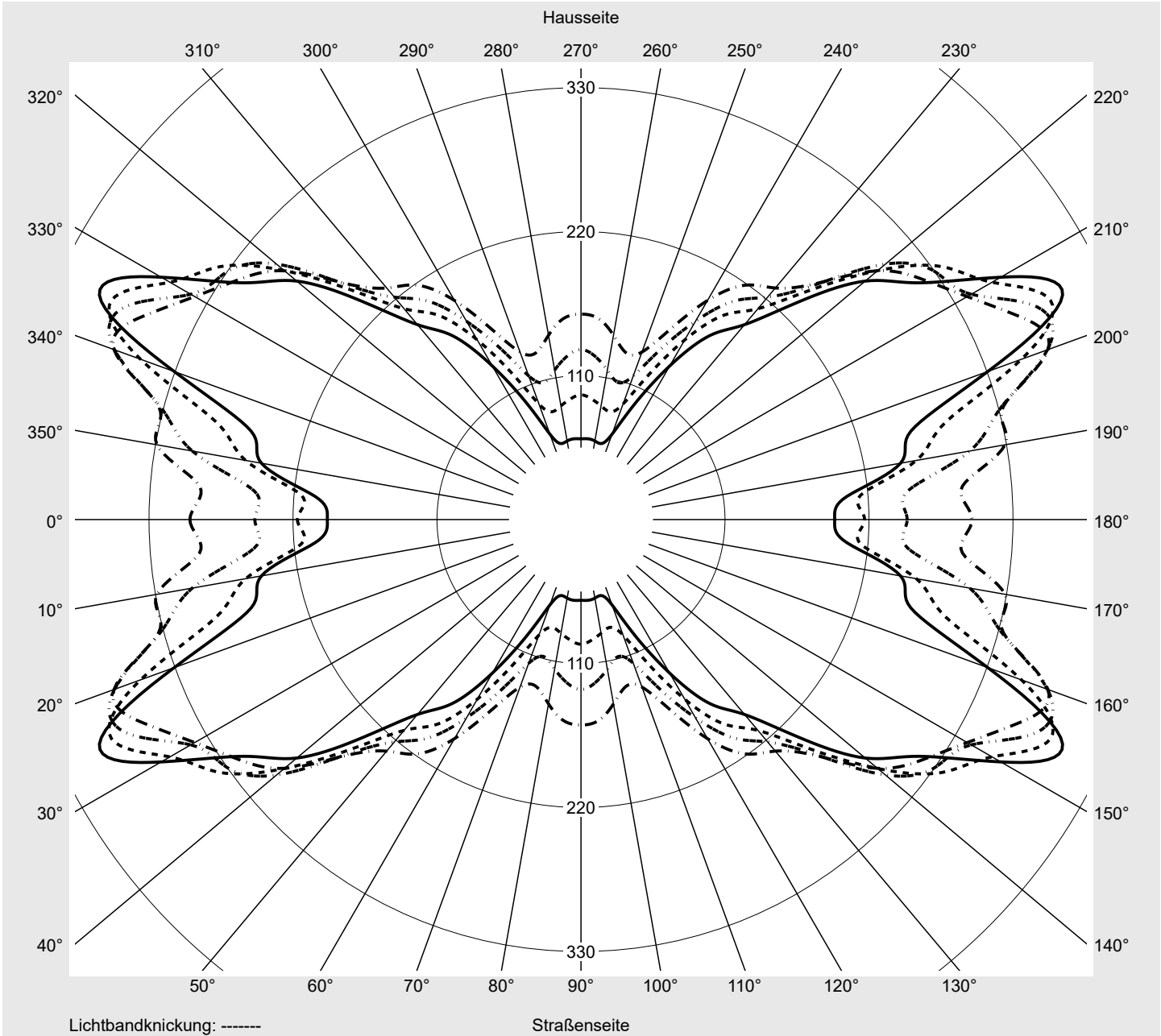
#### Messbedingungen

DIN EN 13032 und DIN 5032

**Lichttechnischer Prüfbefund**

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



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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°	
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°	
γ		Lichtstärke in cd/klm									
0,0°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	
2,5°	6.1	6.3	6.2	6.3	6.3	6.3	6.3	6.4	6.4	6.6	
5,0°	8.2	8.5	8.5	8.7	8.8	9.1	9.5	9.9	10.3	10.6	
7,5°	18.6	18.9	19.3	19.8	19.8	20.0	20.1	20.7	20.7	21.1	
10,0°	40.3	39.6	39.2	36.2	32.4	28.6	26.2	26.1	27.6	30.0	
12,5°	44.9	46.8	52.6	52.5	54.2	52.9	56.0	57.8	57.7	56.0	
15,0°	63.1	60.1	81.1	76.8	78.6	93.3	99.7	79.8	84.5	85.1	
17,5°	90.3	83.2	102.1	99.4	112.8	107.8	110.0	95.1	101.6	94.7	
20,0°	123.3	131.2	127.6	122.2	120.3	109.9	100.0	98.2	102.4	99.1	
22,5°	137.9	126.6	136.4	141.5	138.9	130.3	116.6	110.5	100.6	96.7	
25,0°	139.7	132.6	140.0	140.1	147.1	144.8	136.1	124.5	112.3	101.5	
27,5°	158.2	138.8	146.5	141.3	143.0	146.1	141.4	135.4	126.3	118.8	
30,0°	169.5	166.0	174.3	159.0	154.8	150.1	140.0	137.0	137.3	140.3	
32,5°	181.5	173.1	183.8	171.5	170.0	169.8	158.2	152.6	149.5	157.6	
35,0°	193.1	193.6	190.0	175.8	174.8	173.7	170.1	169.9	166.4	169.0	
37,5°	217.8	215.0	210.7	186.8	181.3	173.5	169.2	187.5	191.8	190.6	
40,0°	226.6	224.5	225.4	205.2	203.8	188.9	179.2	193.5	200.9	205.9	
42,5°	256.3	232.2	238.1	214.3	210.2	197.4	199.3	209.7	210.6	219.6	
45,0°	271.2	252.4	257.5	229.3	218.5	198.0	209.7	227.9	227.3	229.4	
47,5°	278.0	270.5	281.5	256.8	233.3	211.8	219.3	237.8	248.7	244.7	
50,0°	284.7	280.4	308.9	280.7	254.6	228.5	253.4	262.7	255.9	250.9	
52,5°	292.9	288.8	320.4	292.2	276.9	259.4	281.1	285.2	260.2	248.0	
55,0°	305.7	291.7	317.8	304.1	304.8	296.2	299.2	300.8	276.8	253.1	
57,5°	322.9	301.1	324.9	321.0	348.1	339.7	328.7	306.9	287.0	259.0	
60,0°	298.8	292.5	328.9	334.1	379.7	368.3	340.7	319.5	295.6	255.3	
62,5°	249.2	250.6	301.6	332.5	379.2	384.5	344.2	330.2	303.7	254.0	
65,0°	216.7	214.5	260.1	288.8	358.1	395.8	362.6	336.8	295.9	247.9	
67,5°	193.8	204.1	247.9	260.9	330.7	405.9	370.3	315.3	283.4	235.2	
70,0°	207.1	223.1	254.6	265.3	313.4	377.3	350.2	291.4	262.8	212.9	
72,5°	232.4	238.6	245.3	257.8	296.2	336.2	316.5	265.2	220.1	184.8	
75,0°	197.5	199.9	216.0	231.6	270.6	292.8	274.6	215.3	164.4	136.8	
77,5°	146.6	140.2	154.5	175.2	188.9	195.4	185.1	140.9	109.6	95.3	
80,0°	89.3	79.5	95.6	110.5	113.1	106.3	104.5	90.2	75.7	59.9	
82,5°	53.9	46.3	52.8	64.1	56.8	48.4	56.0	60.7	53.4	37.4	
85,0°	24.6	25.3	29.1	34.5	31.8	26.5	33.2	37.1	28.2	17.7	
87,5°	14.2	15.0	15.9	17.0	16.5	16.5	18.6	16.7	14.8	11.6	
90,0°	9.0	9.1	9.2	9.1	9.0	8.8	8.7	8.4	8.2	8.1	
92,5°	8.4	8.6	8.6	8.5	8.3	8.2	8.0	7.9	7.7	7.5	
95,0°	7.9	8.1	8.2	8.0	7.9	7.8	7.6	7.5	7.3	7.2	
97,5°	7.3	7.6	7.7	7.6	7.5	7.4	7.2	7.1	6.9	6.9	
100,0°	7.0	7.3	7.3	7.3	7.0	7.0	6.9	6.7	6.7	6.5	
102,5°	6.6	6.9	7.0	6.9	6.7	6.7	6.5	6.4	6.4	6.2	
105,0°	6.3	6.4	6.4	6.4	6.4	6.3	6.1	6.1	6.1	5.9	
107,5°	6.0	6.1	6.1	6.1	6.0	6.0	5.8	5.8	5.8	5.6	
110,0°	5.7	5.8	5.8	5.8	5.7	5.7	5.7	5.5	5.5	5.4	

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	50°	55°	60°	65°	70°	75°	80°	85°	90°	Phi-Zone	Summe Phi-Zone
	130° 230° 310°	125° 235° 305°	120° 240° 300°	115° 245° 295°	110° 250° 290°	105° 255° 285°	100° 260° 280°	95° 265° 275°			
$\gamma$	Lichtstärke in cd/klm									Lichtstrom in lm/klm	
0,0°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	0.0	0.0
2,5°	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.6	0.1	0.1
5,0°	10.8	11.1	11.3	11.5	11.8	12.2	12.4	12.4	12.4	0.2	0.3
7,5°	22.2	23.4	25.1	26.8	28.9	30.4	31.8	32.5	31.9	0.8	1.2
10,0°	32.2	35.0	37.5	37.3	41.7	43.0	46.7	45.0	45.2	1.7	2.9
12,5°	54.7	55.3	54.3	56.2	57.2	59.7	63.2	64.8	65.0	3.3	6.2
15,0°	73.2	71.1	73.9	74.5	80.2	81.2	84.4	86.6	87.0	5.7	11.9
17,5°	90.4	89.8	91.9	92.9	97.0	100.4	103.5	108.1	109.8	8.2	20.0
20,0°	97.8	97.1	103.4	105.4	110.2	114.7	119.1	119.1	118.8	10.4	30.5
22,5°	100.5	104.2	110.6	112.2	114.6	120.2	127.4	131.7	136.0	12.6	43.0
25,0°	104.2	108.1	116.5	120.3	126.9	131.6	135.2	136.7	138.5	14.8	57.8
27,5°	114.6	120.6	128.6	134.8	139.0	140.5	142.1	142.5	143.8	17.2	75.0
30,0°	136.5	131.9	137.1	145.8	149.8	148.3	148.9	147.6	148.7	20.3	95.3
32,5°	157.5	151.3	152.3	160.6	161.1	157.8	155.9	154.1	155.0	23.8	119.1
35,0°	175.5	176.3	172.3	172.8	173.3	165.9	162.7	164.4	167.0	27.3	146.4
37,5°	191.4	197.3	191.9	183.7	182.9	175.3	172.5	175.6	178.1	31.3	177.7
40,0°	199.3	204.8	205.7	195.7	192.1	184.7	183.9	188.0	191.1	35.1	212.9
42,5°	216.2	214.5	215.0	208.2	198.1	190.1	190.9	196.0	200.1	39.0	251.8
45,0°	229.7	225.9	225.5	218.4	201.1	193.3	196.6	201.2	203.1	42.9	294.7
47,5°	238.9	237.0	231.6	220.3	201.2	195.0	198.1	203.8	204.9	46.8	341.5
50,0°	244.6	239.4	229.3	215.1	196.9	191.8	196.0	202.6	203.8	50.6	392.1
52,5°	245.7	241.4	224.4	203.6	187.5	185.0	190.1	197.2	199.0	53.6	445.7
55,0°	246.3	241.9	219.2	191.0	174.0	173.7	179.7	188.9	191.7	56.2	501.9
57,5°	244.0	235.4	209.4	173.1	154.7	155.7	164.2	174.5	177.9	58.8	560.7
60,0°	230.9	218.6	193.3	159.7	136.2	132.1	143.0	154.1	157.0	59.5	620.2
62,5°	221.8	203.8	174.9	143.2	116.8	108.5	115.9	125.1	129.8	57.8	678.0
65,0°	210.3	190.7	158.5	121.7	93.9	85.3	88.2	92.5	95.3	54.6	732.6
67,5°	194.4	171.6	135.5	97.9	69.4	60.1	61.0	61.9	61.7	51.1	783.8
70,0°	176.0	154.0	114.0	81.2	54.1	41.3	38.3	38.6	38.3	48.2	832.0
72,5°	155.0	131.0	97.3	66.0	43.6	27.3	23.3	22.5	23.7	44.4	876.4
75,0°	124.8	108.4	80.3	53.2	33.7	20.9	16.7	15.6	15.9	37.7	914.1
77,5°	102.3	98.5	66.6	36.9	21.3	15.4	13.3	12.1	12.1	27.2	941.3
80,0°	55.1	55.1	38.2	22.3	13.3	11.6	10.9	10.4	10.3	16.5	957.8
82,5°	23.5	18.6	15.5	13.9	11.1	9.7	9.1	9.1	8.8	9.3	967.2
85,0°	12.9	11.4	10.6	10.1	9.5	8.6	8.2	8.2	7.9	5.4	972.6
87,5°	9.7	9.1	8.5	9.1	8.2	7.8	7.4	7.4	7.3	3.4	976.0
90,0°	7.8	7.5	7.4	7.2	7.0	6.8	6.7	6.7	6.7	2.2	978.1
92,5°	7.3	7.2	7.0	6.8	6.7	6.5	6.4	6.4	6.4	2.1	980.2
95,0°	7.0	6.9	6.6	6.6	6.4	6.3	6.1	6.1	6.1	2.0	982.1
97,5°	6.7	6.6	6.4	6.3	6.1	6.0	5.9	5.8	5.8	1.8	984.0
100,0°	6.4	6.3	6.2	6.0	5.9	5.8	5.8	5.7	5.7	1.8	985.8
102,5°	6.1	6.1	5.9	5.8	5.6	5.6	5.5	5.5	5.5	1.7	987.4
105,0°	5.8	5.8	5.6	5.5	5.5	5.4	5.3	5.2	5.2	1.6	989.0
107,5°	5.6	5.5	5.4	5.3	5.2	5.2	5.1	5.1	5.1	1.5	990.5
110,0°	5.4	5.3	5.2	5.2	5.1	5.1	4.9	4.9	4.9	1.4	991.9

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°
γ		Lichtstärke in cd/klm								
112,5°	5.2	5.5	5.6	5.6	5.4	5.4	5.4	5.4	5.2	5.2
115,0°	5.2	5.2	5.3	5.3	5.1	5.1	5.1	5.1	5.0	4.9
117,5°	4.8	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.7	4.6
120,0°	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.5
122,5°	4.0	4.2	4.2	4.2	4.1	4.0	4.2	4.0	4.0	4.0
125,0°	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
127,5°	2.4	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
130,0°	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.6	1.6
132,5°	1.3	1.5	1.4	1.5	1.5	1.3	1.3	1.4	1.4	1.3
135,0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2
137,5°	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
140,0°	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.8	0.9	0.8
142,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
145,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180,0°	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	50°	55°	60°	65°	70°	75°	80°	85°	90°	Phi-Zone	Summe Phi-Zone	
	130°	125°	120°	115°	110°	105°	100°	95°				
	230°	235°	240°	245°	250°	255°	260°	265°				
	310°	305°	300°	295°	290°	285°	280°	275°				
$\gamma$	Lichtstärke in cd/klm										Lichtstrom in lm/klm	
112,5°	5.1	5.1	5.0	5.0	4.9	4.9	4.9	4.8	4.8	1.3	993.2	
115,0°	4.9	4.9	4.8	4.8	4.8	4.6	4.6	4.6	4.6	1.2	994.4	
117,5°	4.6	4.6	4.5	4.6	4.5	4.5	4.5	4.4	4.3	1.1	995.5	
120,0°	4.4	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.2	1.0	996.6	
122,5°	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.9	0.9	997.5	
125,0°	3.2	3.2	3.2	3.2	3.1	3.2	3.2	3.1	3.1	0.7	998.2	
127,5°	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.1	0.5	998.7	
130,0°	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	0.3	999.1	
132,5°	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	0.3	999.3	
135,0°	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.2	999.6	
137,5°	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.2	999.8	
140,0°	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.1	999.9	
142,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.1	1000.0	
145,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
147,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
152,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
155,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
157,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
160,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
162,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
165,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
167,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
170,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
172,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
175,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
177,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>LITEPOLE 2</b>	<b>Bestell-Nr.: 5XA5425JF14H</b> <b>EAN: 4058352636596</b>	<b>LP-Nummer</b> <b>58891_24</b>
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<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°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	2990	19.3	20.6	20.0
95	241	252	2837	18.3	19.4	18.8
90	229	250	2696	17.3	18.4	17.8
85	216	248	2543	16.3	17.3	16.8
80	203	246	2390	15.2	16.2	15.7
75	190	243	2237	14.2	15.1	14.6
70	178	241	2095	13.3	14.1	13.7
65	165	238	1942	12.4	13.2	12.8
60	152	235	1789	11.4	12.1	11.8
55	140	232	1648	10.5	11.2	10.8
50	127	229	1495	9.6	10.1	9.8
45	114	225	1342	8.7	9.2	9.0
40	102	221	1201	7.9	8.3	8.1
35	89	216	1048	7.1	7.4	7.2
30	76	210	895	6.2	6.5	6.4
25	63	203	742	5.4	5.6	5.5
20	51	195	600	4.6	4.8	4.7
17	44	190	518	4.1	4.3	4.2