

Photometric test report

Family
LITEPOLE 2

Order number: **5XA5425CF14H**
EAN: **4058352836552**

LP number
58891_23

serial
documentation
24.02.2023

siteco



Version post-top- or mounting to wall arm
Optic direct, symmetric wide distribution
C120009
Cover cover transparent, PMMA
Lamps LED 2200 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 2990 lm
Power consumption = 23.9 W
Luminous efficacy = 125.1 lm/W

Luminous intensity in cd/klm

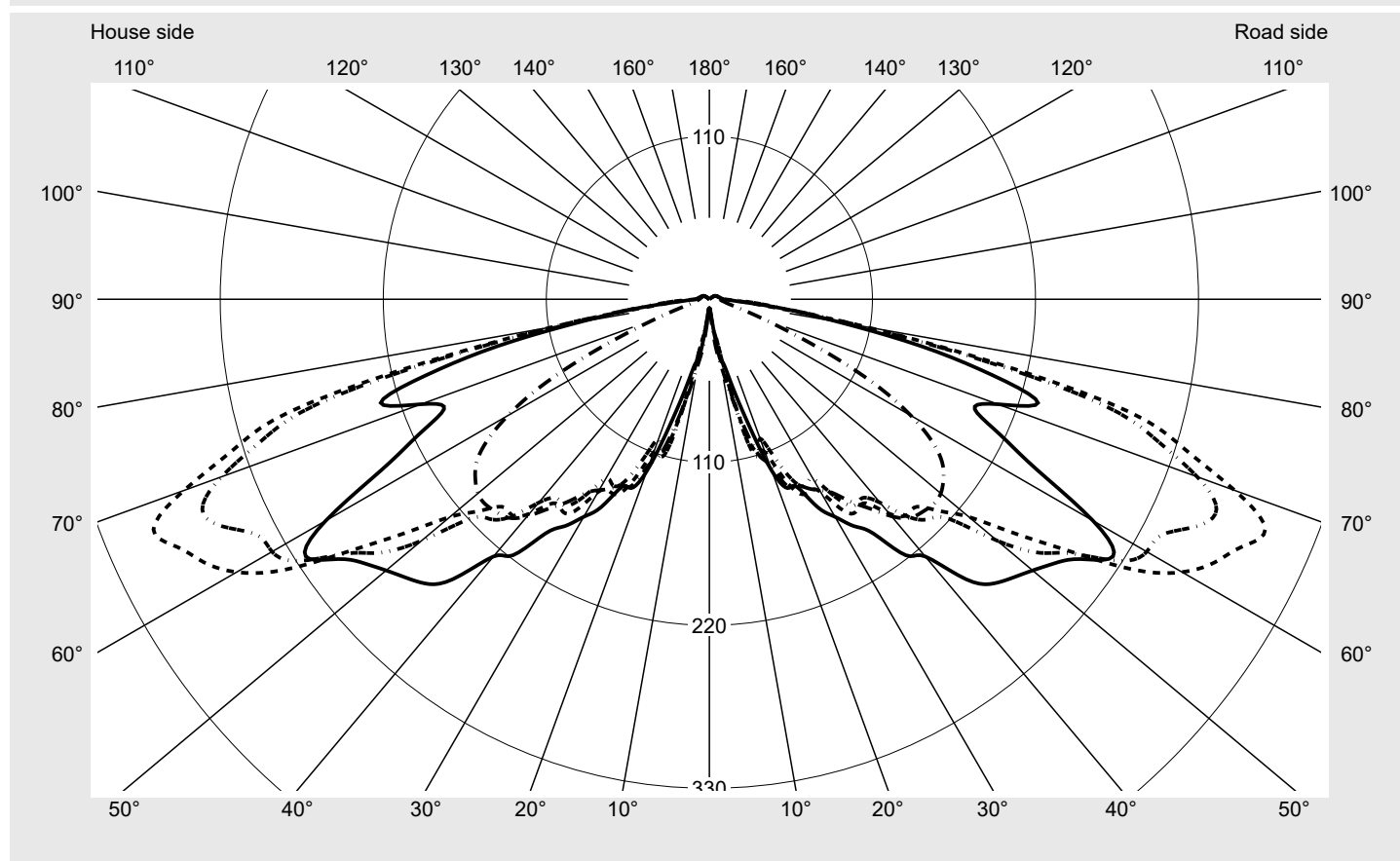
C180-0

C205-25

C210-30

C270-90

Imax: 406 cd/klm



Luminaire output ratios

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

Luminous intensity class acc. to EN13201-2

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

Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm

KMK 67.5°

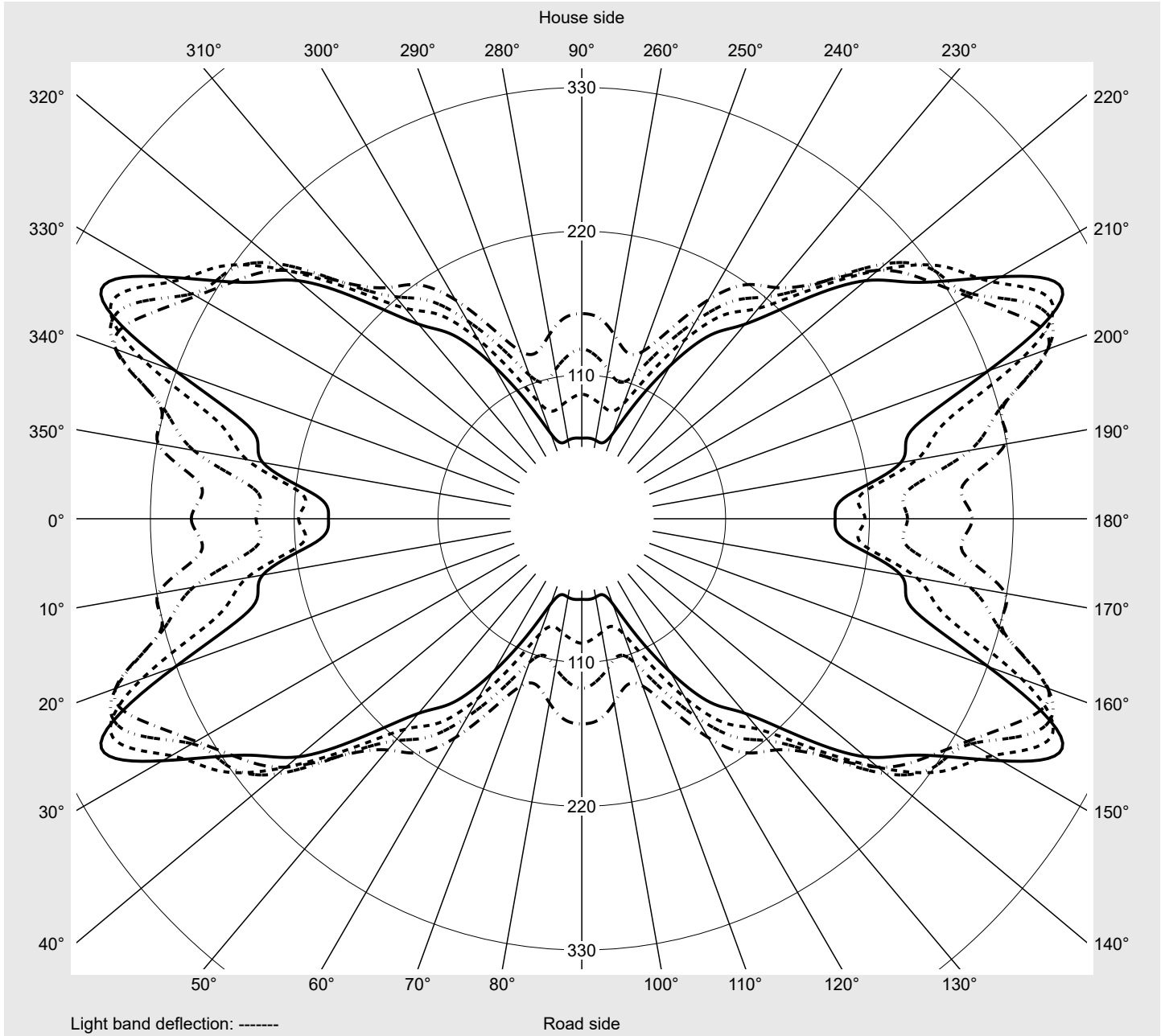
KMK 65°

KMK 62.5°

KMK 60°

sit

eco



Photometric test report

Family LITEPOLE 2	Order number: 5XA5425CF14H EAN: 4058352836552	LP number 58891_23
Table of values for luminous intensities		Maximum luminous intensity

siteco

C- planes	0° 180°	5° 175° 185° 355°	10° 170° 190° 350°	15° 165° 195° 345°	20° 160° 200° 340°	25° 155° 205° 335°	30° 150° 210° 330°	35° 145° 215° 325°	40° 140° 220° 320°	45° 135° 225° 315°
γ	Luminous intensity 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

Photometric test report

Family LITEPOLE 2	Order number: 5XA5425CF14H EAN: 4058352836552	LP number 58891_23
Table of values for luminous intensities		Maximum luminous intensity



C- planes	50° 130° 230° 310°	55° 125° 235° 305°	60° 120° 240° 300°	65° 115° 245° 295°	70° 110° 250° 290°	75° 105° 255° 285°	80° 100° 260° 280°	85° 95° 265° 275°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm									Luminous flux 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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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	5° 175° 185° 355°	10° 170° 190° 350°	15° 165° 195° 345°	20° 160° 200° 340°	25° 155° 205° 335°	30° 150° 210° 330°	35° 145° 215° 325°	40° 140° 220° 320°	45° 135° 225° 315°
γ	Luminous intensity 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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Table of values for luminous intensities		Maximum luminous intensity
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C- planes	50° 130° 230° 310°	55° 125° 235° 305°	60° 120° 240° 300°	65° 115° 245° 295°	70° 110° 250° 290°	75° 105° 255° 285°	80° 100° 260° 280°	85° 95° 265° 275°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm									Luminous flux 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

Photometric test report

Family LITEPOLE 2	Order number: 5XA5425CF14H EAN: 4058352836552	LP number 58891_23
Dimming levels table		environmental temperature: 25°C
		siteco

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]start of lifetime	Power consumption [W]end of lifetime	Power consumption [W]average
100	254	254	2990	23.9	25.5	24.7
95	241	252	2837	22.5	24.0	23.2
90	229	250	2696	21.2	22.6	21.9
85	216	248	2543	19.9	21.2	20.5
80	203	246	2390	18.6	19.8	19.2
75	190	243	2237	17.4	18.5	18.0
70	178	241	2095	16.2	17.2	16.7
65	165	238	1942	14.9	15.9	15.4
60	152	235	1789	13.8	14.6	14.2
55	140	232	1648	12.7	13.4	13.0
50	127	229	1495	11.5	12.2	11.8
45	114	225	1342	10.3	11.0	10.6
40	102	221	1201	9.4	9.9	9.6
35	89	216	1048	8.2	8.7	8.4
30	76	210	895	7.2	7.6	7.4
25	63	203	742	6.2	6.5	6.4
20	51	195	600	5.3	5.5	5.4
15	38	184	447	4.2	4.4	4.3
15	37	183	436	4.1	4.3	4.2