

Lichttechnischer Prüfbefund

Familie
DL® 50 midi LED

Bestell-Nr.: 5XA2492P1B08A5
EAN: 4058352060049

LP-Nummer
57248_14



Ausführung	Seil-Montage
Optik	symmetrisch, breit strahlend (ST0.5s)
Abdeckung	Abdeckung klar (ESG), teilweise bedruckt
Bestückung	LED 4000 K CRI ≥ 70
Betriebsgerät	EVG Plus
Bemessungswerte	Nettolichtstrom = 8390 lm Systemleistung = 59.6 W Lichtausbeute = 140.8 lm/W

Seriendokumentation
26.11.2020

siteco

Lichtstärke in cd/klm

C180-0

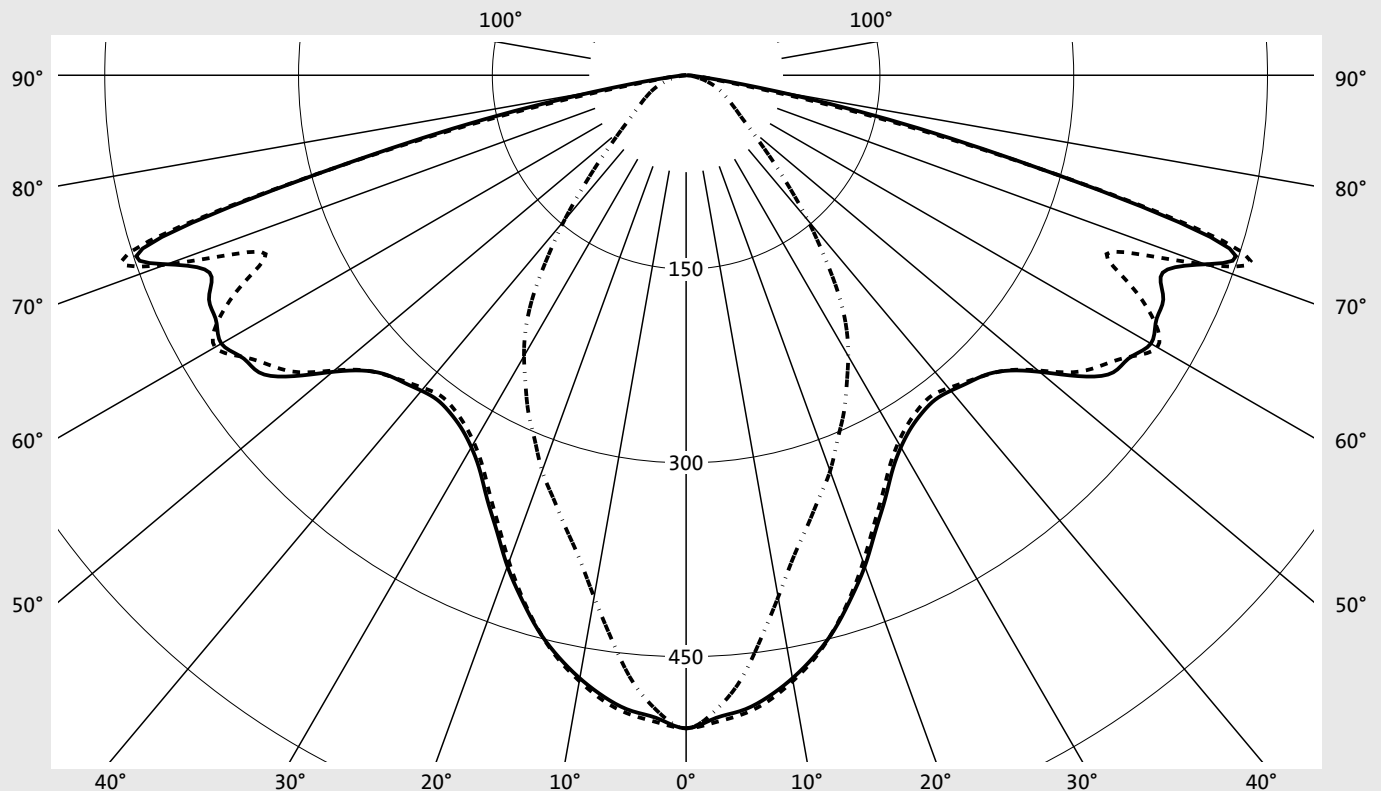
C185-5

C270-90

Imax: 506 cd/klm

Hausseite

Straßenseite



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse:	G4
Imax 70°	428.8
Imax 80°	67.5
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

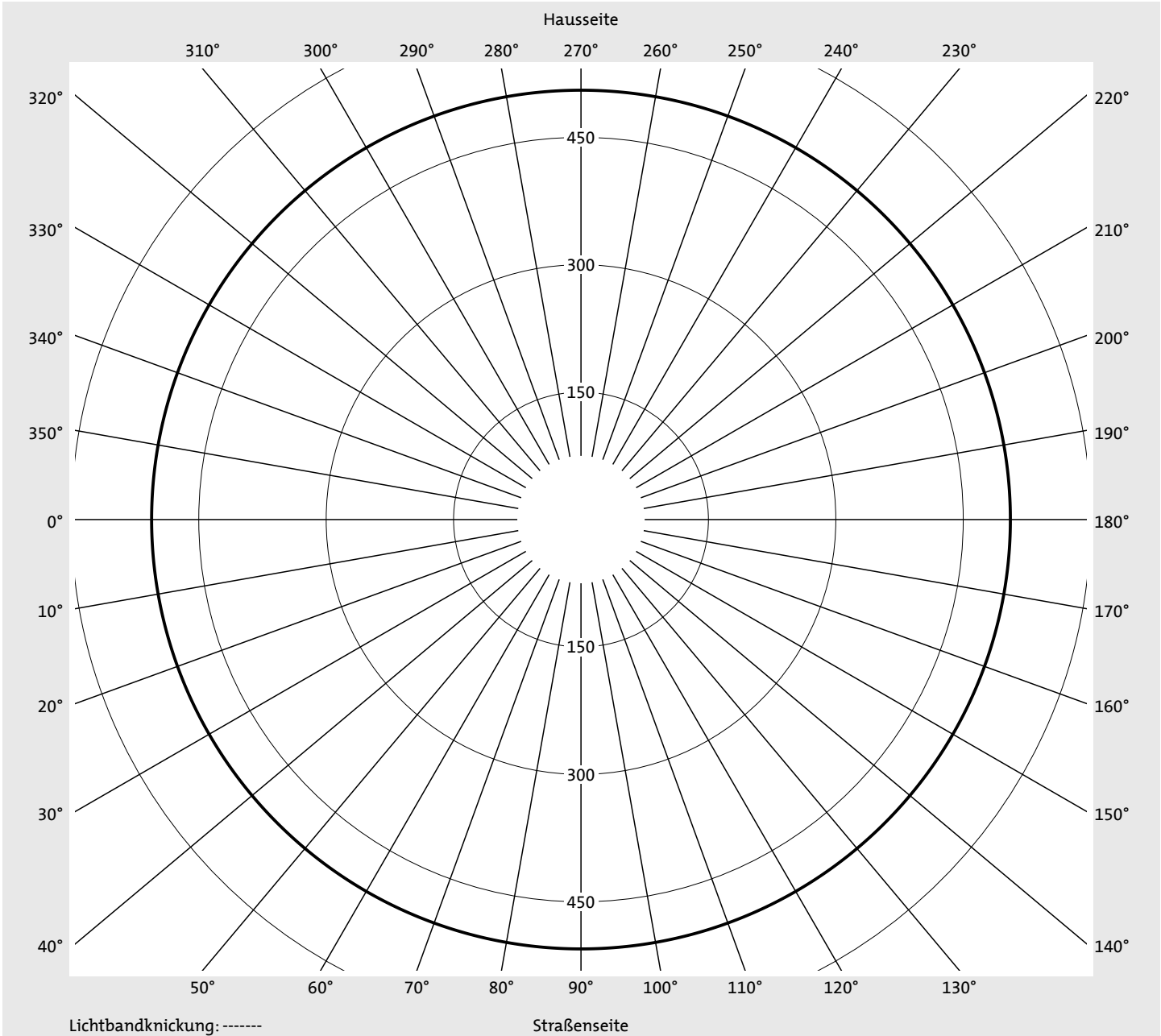
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 0°** **siteco**



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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

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°	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5
2,5°	498.4	501.5	503.2	503.1	503.1	503.3	501.9	500.6	500.2	500.2
5,0°	493.6	496.6	497.9	496.6	496.1	495.0	492.5	489.4	487.1	485.6
7,5°	485.4	488.5	489.1	486.6	484.5	481.9	477.3	472.0	467.7	464.9
10,0°	473.9	476.1	475.6	471.5	467.9	463.4	456.4	448.5	442.2	437.7
12,5°	460.2	461.7	459.7	453.9	448.0	441.4	432.2	422.4	415.1	410.2
15,0°	444.0	443.6	440.3	432.6	425.2	416.9	406.2	395.2	387.5	382.8
17,5°	424.4	422.9	417.9	408.9	399.6	389.9	378.5	367.8	361.2	358.1
20,0°	404.5	400.8	395.1	384.9	375.0	364.4	354.0	344.9	339.7	338.2
22,5°	382.4	378.6	371.7	361.1	350.0	339.9	330.5	324.3	320.7	320.4
25,0°	363.5	359.0	352.2	342.2	331.0	320.8	313.6	308.3	305.6	304.8
27,5°	345.4	341.2	333.4	324.0	313.1	303.8	297.2	292.5	288.8	284.5
30,0°	332.5	328.4	319.9	309.7	299.2	291.2	284.8	278.2	270.9	264.6
32,5°	323.8	319.8	310.8	298.6	289.0	281.4	272.8	261.8	252.8	246.2
35,0°	318.8	314.5	305.0	289.4	279.8	270.9	258.9	244.7	235.6	229.4
37,5°	316.6	312.5	301.2	283.7	273.1	262.6	245.1	230.8	223.0	214.6
40,0°	318.7	316.1	300.8	281.4	269.1	253.6	232.9	221.5	212.1	201.7
42,5°	322.9	321.6	304.8	283.6	270.5	245.1	221.8	212.3	201.2	189.3
45,0°	327.9	328.3	310.8	290.6	271.3	233.3	215.8	203.7	189.3	173.2
47,5°	338.4	338.0	319.5	302.3	270.2	225.9	209.6	194.5	176.7	157.0
50,0°	357.1	355.4	333.6	314.2	265.2	225.6	206.4	187.2	166.0	141.5
52,5°	382.5	377.6	343.3	322.2	260.7	230.1	208.2	184.8	159.7	131.6
55,0°	402.1	392.0	356.8	319.6	262.9	238.6	212.3	184.5	155.6	123.6
57,5°	407.0	405.9	379.1	318.2	266.6	249.8	214.0	184.5	155.0	119.0
60,0°	415.4	421.1	404.5	323.7	285.7	266.2	217.5	184.9	153.3	114.5
62,5°	410.3	407.4	394.1	329.7	313.0	283.1	222.3	185.1	150.1	109.5
65,0°	407.5	376.2	344.5	328.0	325.9	278.6	222.1	180.5	141.9	103.3
67,5°	399.3	356.7	318.7	326.5	301.1	239.5	198.1	163.2	129.2	94.6
70,0°	427.7	428.8	364.6	345.9	243.1	187.6	154.9	130.3	109.8	83.8
72,5°	437.1	448.0	338.3	263.4	182.8	129.9	103.4	84.5	82.6	69.3
75,0°	296.7	297.7	246.6	192.9	123.9	81.5	64.8	57.8	51.7	41.0
77,5°	168.1	151.3	139.0	99.0	64.0	48.1	41.0	39.4	31.5	25.2
80,0°	67.5	44.9	43.4	42.9	32.2	24.8	24.8	20.5	16.9	14.4
82,5°	18.8	17.0	15.8	17.7	14.5	13.8	13.2	11.4	8.9	7.7
85,0°	6.2	6.7	6.8	7.1	6.5	5.7	5.5	5.1	4.4	3.9
87,5°	2.6	2.5	2.5	2.3	2.2	2.0	1.9	1.8	1.7	1.6
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135,0°	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
165,0°	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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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sitEco

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°			
γ	Lichtstärke in cd/klm									Lichtstrom in lm/klm	
0,0°	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	505.5	0.8	0.8
2,5°	502.1	503.2	502.3	502.3	503.1	502.7	500.2	494.8	493.3	6.0	6.8
5,0°	486.3	485.7	483.4	482.2	482.0	480.7	477.6	471.7	471.7	11.6	18.4
7,5°	463.6	461.3	457.6	455.4	454.1	452.0	448.4	442.1	440.7	16.7	35.1
10,0°	435.5	432.1	428.0	424.9	423.1	420.8	417.0	411.0	410.2	21.1	56.2
12,5°	407.5	404.1	400.2	397.3	395.7	393.6	390.2	384.8	382.7	24.9	81.0
15,0°	380.8	378.0	375.4	373.4	372.6	370.9	368.1	363.6	361.7	28.0	109.1
17,5°	357.3	355.7	354.3	353.1	352.5	350.9	348.7	345.1	342.7	30.7	139.8
20,0°	338.6	337.6	336.4	335.2	333.7	331.9	329.7	326.9	325.9	33.0	172.8
22,5°	320.5	319.0	316.4	314.3	312.2	310.2	308.1	306.6	305.9	34.7	207.5
25,0°	302.9	299.6	296.3	293.2	291.6	290.0	288.2	287.7	288.6	36.1	243.6
27,5°	280.7	275.8	272.0	269.4	268.2	267.3	266.6	267.6	269.3	36.9	280.5
30,0°	259.9	255.1	250.6	247.9	247.0	246.9	247.4	249.4	251.0	37.6	318.2
32,5°	241.4	235.7	229.6	226.4	225.7	225.9	227.0	228.9	230.5	38.1	356.2
35,0°	222.1	214.3	207.0	204.3	203.3	202.7	202.8	203.0	204.8	38.0	394.2
37,5°	204.7	194.4	186.8	183.4	181.0	178.6	176.6	174.7	174.5	37.8	432.0
40,0°	189.6	176.6	167.9	163.1	159.0	154.7	150.6	147.0	146.8	37.5	469.5
42,5°	174.3	159.0	149.8	143.3	137.5	131.5	125.8	121.1	119.5	37.2	506.7
45,0°	155.6	140.7	132.4	123.9	116.8	109.7	102.9	97.9	96.9	36.7	543.4
47,5°	137.1	125.1	116.7	106.9	99.1	91.5	84.8	80.1	78.3	36.4	579.8
50,0°	121.3	111.7	102.0	92.2	84.0	76.7	70.4	66.0	65.0	36.5	616.3
52,5°	110.2	101.4	90.2	80.0	71.5	64.7	58.9	55.7	54.6	37.1	653.4
55,0°	102.2	92.2	80.7	70.9	62.6	55.7	50.9	48.2	47.8	37.9	691.2
57,5°	98.7	85.0	72.8	63.4	55.6	49.4	45.1	42.9	42.2	38.9	730.2
60,0°	93.7	77.8	66.2	56.7	48.8	43.7	40.2	38.3	37.9	40.4	770.6
62,5°	85.4	71.0	58.6	50.8	42.9	38.1	35.6	34.1	33.7	41.0	811.5
65,0°	76.2	62.3	49.8	43.9	37.6	33.5	31.5	30.3	30.1	39.8	851.4
67,5°	66.6	52.8	40.6	35.1	31.2	28.9	27.5	26.6	26.2	37.3	888.6
70,0°	57.6	42.0	33.6	28.5	26.3	24.6	23.4	22.6	22.6	36.2	924.9
72,5°	48.9	34.3	25.9	22.7	21.2	20.2	19.3	18.6	18.3	31.1	956.0
75,0°	31.9	25.7	19.7	17.7	16.8	16.0	15.4	14.7	14.7	21.6	977.6
77,5°	20.6	16.4	14.0	13.1	12.5	12.0	11.5	10.9	10.7	12.5	990.1
80,0°	12.0	10.3	9.3	8.8	8.5	8.1	7.7	7.4	7.4	5.6	995.7
82,5°	6.8	6.3	5.8	5.5	5.2	5.0	4.8	4.6	4.5	2.7	998.4
85,0°	3.5	3.3	3.1	2.9	2.7	2.5	2.4	2.4	2.4	1.2	999.6
87,5°	1.5	1.3	1.2	1.1	1.1	1.0	0.9	0.9	0.9	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	1000.0
105,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135,0°	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
165,0°	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

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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	siteco
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Lichtstrom [%]	Dimmstufe linear	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	8390	59.6	61.4	60.5
95	241	7961	56.3	58.0	57.2
90	229	7564	53.3	54.8	54.1
85	216	7135	50.1	51.6	50.9
80	203	6705	47.0	48.4	47.7
75	190	6276	43.9	45.2	44.6
70	178	5880	41.1	42.4	41.7
65	165	5450	38.0	39.2	38.6
60	152	5021	35.0	36.0	35.5
55	140	4624	32.4	33.3	32.8
50	127	4195	29.5	30.5	30.0
45	114	3766	26.7	27.4	27.1
40	102	3369	24.2	24.8	24.5
35	89	2940	21.4	22.0	21.7
30	76	2510	18.6	19.1	18.8
25	63	2081	15.7	16.1	15.9
20	51	1685	12.7	13.2	12.9