

## Lichttechnischer Prüfbefund

**Familie**  
**ARKTIKA-P LED**



**Bestell-Nr.: 5MB2512L30840**  
**EAN: 4052899488809**

**LP-Nummer**  
**57553\_12**

**Ausführung** LED Design Pendelleuchte, direkt-/ indirekt strahlend, BAP65 ( $L \leq 1500 \text{ cd/m}^2$ ),  $\text{UGR} \leq 19$

**Bestückung** 1 x LED 4000K /  $\text{CRI} \geq 80$   
(unbekannt LED 4000K /  $\text{CRI} = 80$ )

**Betriebsgerät** EVG

**Bemessungswerte** Nettolichtstrom = 4000 lm  
Systemleistung = 30.7 W  
Lichtausbeute = 130.3 lm/W

**Seriendokumentation**  
**09.03.2018**

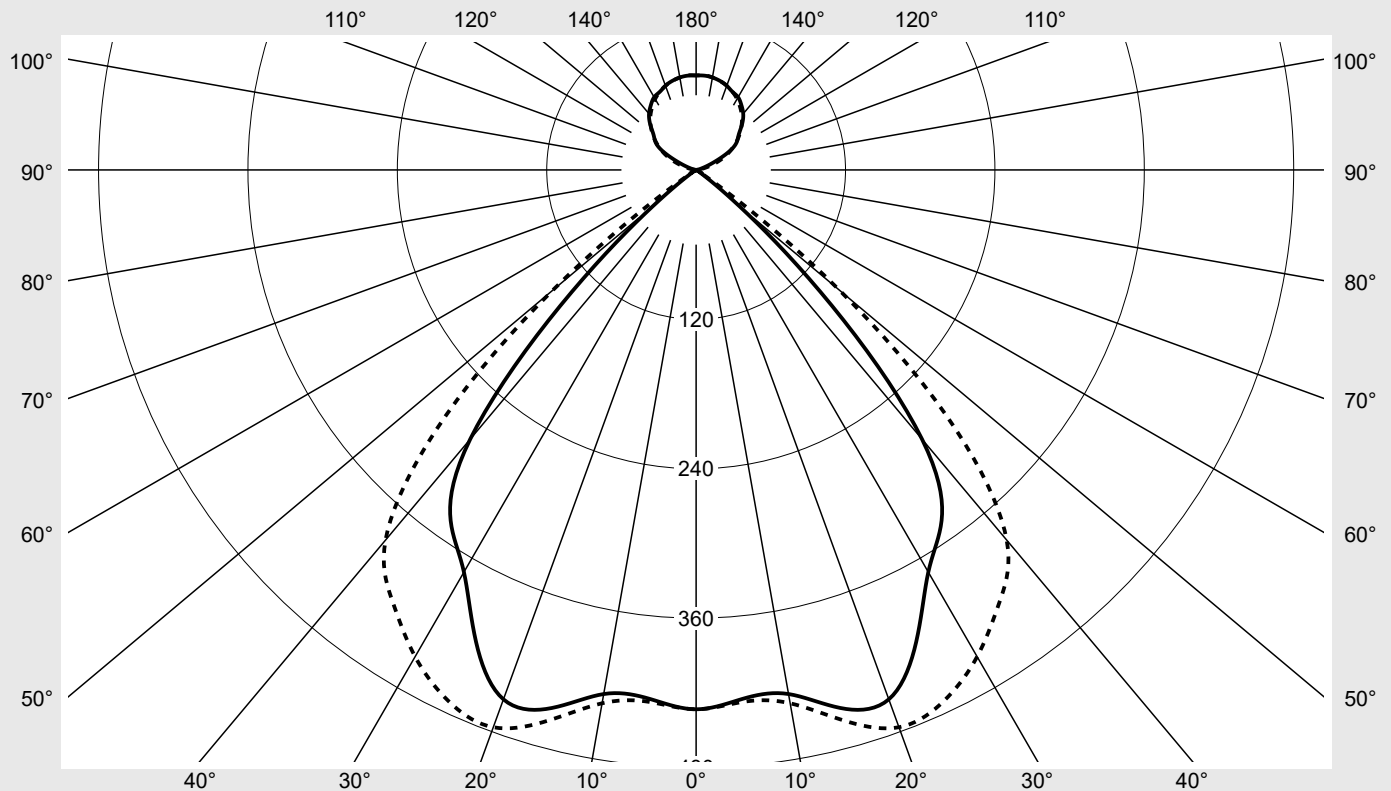
**sITeco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 476 cd/klm**



**Klassifizierungen**

DIN 5040 B 6 3  
CIE N1=81 N2=100 N3=100  
N4=79 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  79,5%  
 $\phi_o$  20,5%

**Messbedingungen**

DIN EN 13032 und DIN 5032

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

C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe	
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			Phi-Zone	Phi-Zone
γ										
Lichtstärke in cd/klm										
Lichtstrom in lm/klm										
0°	433.2	433.2	433.2	433.2	433.2	433.2	433.2	2.6	2.6	2.6
5°	426.5	426.5	425.6	424.9	426.0	427.6	428.9	20.4	23.0	23.0
10°	427.5	430.0	429.8	426.0	426.2	431.8	435.0	40.8	63.8	63.8
15°	447.4	451.3	453.4	445.5	441.3	450.6	457.8	63.7	127.5	127.5
20°	452.5	460.9	467.2	454.3	449.2	462.2	476.4	86.2	213.7	213.7
25°	418.3	437.4	458.1	443.9	433.1	453.2	470.7	103.1	316.8	316.8
30°	373.0	397.8	433.1	420.3	405.2	426.2	451.4	114.0	430.8	430.8
35°	343.8	363.2	401.3	393.2	375.2	394.5	424.5	121.1	551.9	551.9
40°	282.3	305.4	358.1	342.0	310.9	340.1	388.1	117.0	668.8	668.8
45°	154.3	174.8	244.7	219.6	179.2	221.3	295.4	81.7	750.5	750.5
50°	46.0	61.9	112.4	83.5	55.1	89.1	150.3	35.0	785.5	785.5
55°	5.8	7.4	20.8	13.9	7.5	12.1	21.8	5.7	791.2	791.2
60°	5.2	2.7	2.7	3.0	6.0	3.0	2.7	1.7	792.9	792.9
65°	1.4	1.4	1.2	1.4	1.5	1.4	1.3	0.7	793.5	793.5
70°	0.9	0.9	0.8	1.0	1.1	1.0	0.9	0.5	794.0	794.0
75°	0.6	0.6	0.6	0.7	0.8	0.7	0.7	0.3	794.4	794.4
80°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.2	794.6	794.6
85°	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.2	794.8	794.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	794.8	794.8
95°	0.6	0.6	0.7	1.0	1.3	1.4	1.2	0.5	795.3	795.3
100°	1.7	1.8	2.3	3.2	4.2	4.4	4.1	1.7	797.0	797.0
105°	4.0	4.5	5.6	7.7	9.2	9.9	9.9	3.9	800.9	800.9
110°	9.4	9.9	12.4	15.0	16.3	17.3	17.3	7.2	808.1	808.1
115°	19.2	20.5	22.7	23.6	24.4	25.0	25.3	11.5	819.6	819.6
120°	32.5	32.4	32.1	30.8	32.6	32.1	32.7	15.2	834.8	834.8
125°	40.2	39.3	37.8	38.7	39.3	39.0	39.6	17.5	852.3	852.3
130°	44.9	44.7	45.1	46.2	45.5	45.6	45.9	19.1	871.4	871.4
135°	52.3	52.1	52.4	51.7	51.4	51.3	51.8	20.1	891.5	891.5
140°	58.9	58.2	57.5	57.0	56.6	56.5	57.1	20.2	911.7	911.7
145°	63.4	62.9	62.2	61.6	60.9	61.1	61.6	19.4	931.1	931.1
150°	67.4	66.7	65.6	64.6	65.1	65.4	65.8	18.0	949.1	949.1
155°	69.2	68.5	68.0	68.2	68.6	68.9	69.2	15.9	965.0	965.0
160°	72.0	71.4	71.0	71.1	71.3	71.7	71.9	13.4	978.4	978.4
165°	74.0	73.5	73.1	73.2	73.4	73.8	74.0	10.4	988.8	988.8
170°	75.4	74.8	74.4	74.6	74.9	75.2	75.4	7.1	995.9	995.9
175°	76.0	75.6	75.2	75.4	75.7	76.1	76.3	3.6	999.5	999.5
180°	75.9	75.9	75.9	75.9	75.9	75.9	75.9	0.5	1000.0	1000.0

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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	18,9	20,0	19,6	20,6	21,4	19,5	20,5	20,1	21,2	21,9
	3H	18,7	19,6	19,4	20,3	21,1	19,3	20,2	19,9	20,8	21,6
	4H	18,6	19,5	19,3	20,2	21,0	19,2	20,0	19,9	20,7	21,5
	6H	18,5	19,3	19,3	20,0	20,8	19,1	19,9	19,8	20,6	21,4
	8H	18,5	19,2	19,2	19,9	20,7	19,0	19,7	19,8	20,4	21,3
	12H	18,4	19,1	19,2	19,8	20,7	19,0	19,6	19,7	20,3	21,2
4H	2H	18,6	19,5	19,3	20,2	21,0	19,2	20,0	19,9	20,7	21,5
	3H	18,4	19,1	19,2	19,9	20,7	19,0	19,7	19,7	20,4	21,2
	4H	18,3	19,0	19,1	19,7	20,5	18,9	19,5	19,6	20,2	21,1
	6H	18,2	18,8	19,0	19,5	20,4	18,8	19,3	19,5	20,1	20,9
	8H	18,1	18,6	18,9	19,4	20,3	18,7	19,2	19,5	19,9	20,8
	12H	18,1	18,5	18,9	19,3	20,2	18,7	19,1	19,5	19,8	20,8
8H	4H	18,2	18,6	18,9	19,4	20,3	18,7	19,2	19,5	19,9	20,8
	6H	18,0	18,4	18,8	19,2	20,1	18,6	19,0	19,3	19,7	20,7
	8H	18,0	18,3	18,8	19,1	20,0	18,5	18,9	19,3	19,7	20,6
	12H	17,9	18,2	18,7	19,0	20,0	18,5	18,8	19,3	19,6	20,5
12H	4H	18,1	18,5	18,9	19,3	20,2	18,7	19,1	19,4	19,9	20,8
	6H	18,0	18,3	18,8	19,1	20,1	18,6	18,9	19,4	19,7	20,6
	8H	17,9	18,2	18,7	19,0	20,0	18,5	18,8	19,3	19,6	20,5

## Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

Lichttechnische Abmessungen in mm: **L = 1050**  
**B = 39**

C- Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		21317.2	24152.4	33797.3	30329.2	24751.7	30567.5	40806.2
50°		6989.4	9408.0	17075.2	12681.5	8375.8	13538.6	22833.7
55°		989.1	1258.9	3545.6	2375.3	1279.5	2060.8	3713.2
60°		1021.5	530.4	526.5	584.5	1175.5	588.4	537.0
65°		330.1	316.2	280.4	320.8	347.4	325.4	308.3
70°		265.6	261.6	236.8	277.0	304.2	277.0	269.3
75°		218.5	221.2	211.0	254.4	284.9	264.6	264.6
80°		196.9	196.9	204.8	253.7	299.3	288.0	295.9
85°		226.4	272.3	317.2	400.1	498.7	483.0	392.3

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**Leuchtdichten in cd/m<sup>2</sup>**       $\gamma$  65°     $\gamma$  70°     $\gamma$  75°     $\gamma$  80°     $\gamma$  85°

