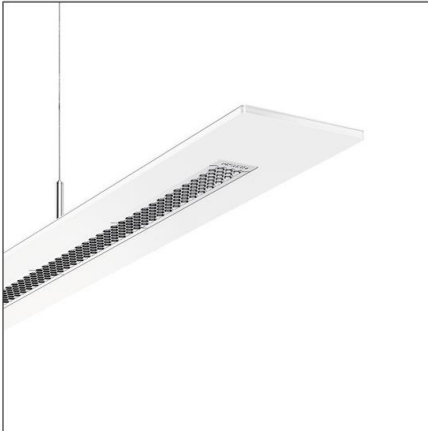


Photometric test report

Family
ARKTIKA-P LED

Order number: **5MB2512L30840**
EAN: **4052899488809**

LP number
57553_12



Version LED suspended design luminaire, direct-/ indirect distribution, CAT2 ($L \leq 1500 \text{cd/m}^2$), $UGR \leq 19$

Lamps 1 x LED 4000K / CRI ≥ 80
(unbekannt LED 4000K / CRI = 80)

Controlgear ECG

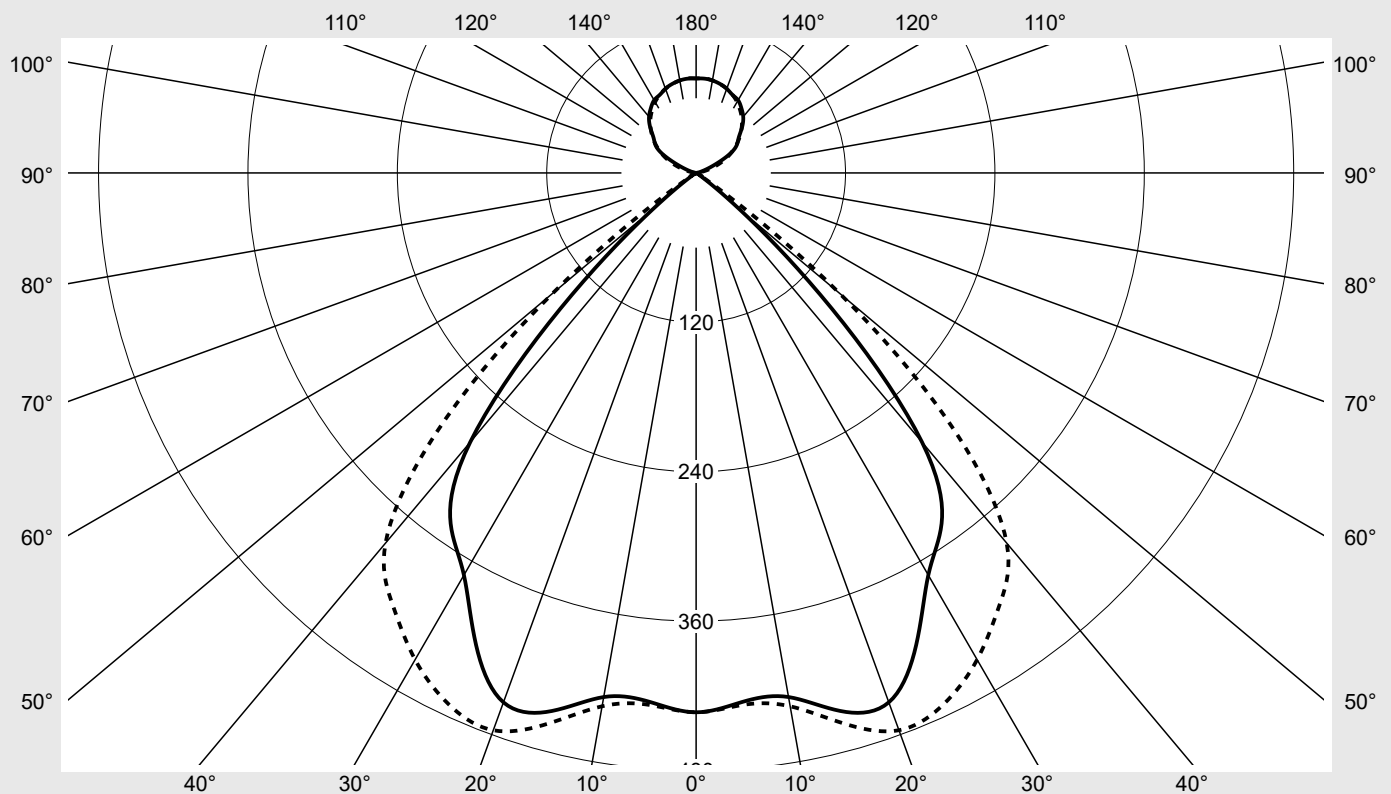
Rated values Net luminous flux = 4000 lm
Power consumption = 30.7 W
Luminous efficacy = 130.3 lm/W

serial
documentation
09.03.2018

siteco

Luminous intensity in cd/klm **C180-0** **C270-90**

Imax: **476 cd/klm**



Classifications

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

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 79.5%
 ϕ_o 20.5%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family ARKTIKA-P LED	Order number: 5MB2512L30840 EAN: 4052899488809	LP number 57553_12
Table of values for luminous intensities		Maximum luminous intensity
		siteco

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

Photometric test report

Family ARKTIKA-P LED	Order number: 5MB2512L30840 EAN: 4052899488809	LP number 57553_12
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UGR-Table		Standard room									
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)				
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

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1050 B = 39	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m ²						
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

Photometric test report

Family ARKTIKA-P LED	Order number: 5MB2512L30840 EAN: 4052899488809	LP number 57553_12
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

