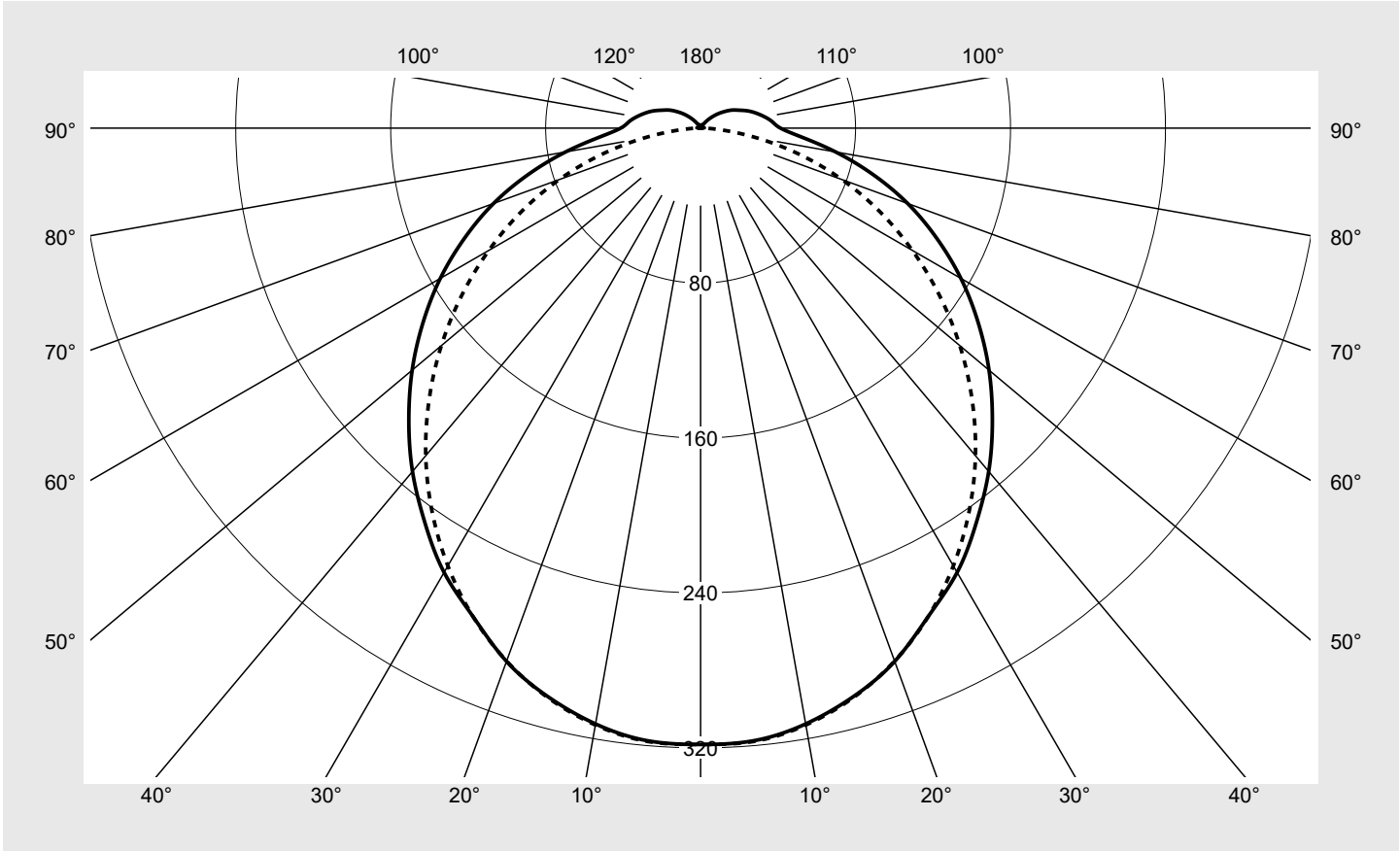


Photometric test report

Family Monsun® 21	Order number: 51FB20DL447K3H EAN: 4069025131744	LP number 59394_65
	Version prismatic diffuser, opal, polycarbonate, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting AC-mode Rated values Net luminous flux = 4320 lm Power consumption = 30.4 W Luminous efficacy = 142.1 lm/W	serial documentation 05.02.2026
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 318 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=45 N2=75 N3=93 N4=94 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	93.7%
ϕ_o	6.3%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 21	Order number: 51FB20DL447K3H EAN: 4069025131744	LP number 59394_65
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°	318.2	318.2	318.2	318.2	318.2	318.2	318.2	1.9	1.9
5°	317.5	317.5	315.1	315.9	316.6	317.2	317.8	15.1	17.0
10°	312.4	312.6	310.3	310.8	311.5	312.2	312.9	29.7	46.7
15°	304.0	304.5	302.1	302.5	303.1	303.6	304.5	43.0	89.7
20°	293.0	293.3	291.0	291.0	291.4	291.9	292.8	54.7	144.5
25°	278.2	280.0	277.5	276.9	276.9	277.3	278.2	64.3	208.8
30°	264.9	265.0	262.4	260.7	260.0	260.0	261.0	71.8	280.6
35°	248.3	248.5	245.7	243.1	241.2	240.6	241.7	76.7	357.3
40°	231.4	230.9	227.8	224.4	221.2	219.7	220.8	79.3	436.6
45°	213.0	212.5	208.9	204.3	200.0	197.3	198.2	79.4	515.9
50°	194.4	193.4	189.5	184.3	178.4	174.4	174.7	77.3	593.2
55°	174.9	174.0	169.9	163.6	156.5	151.3	150.6	73.2	666.4
60°	155.2	153.6	149.3	142.2	134.7	128.1	126.2	67.1	733.5
65°	134.5	133.3	127.9	120.6	112.6	105.3	102.1	59.5	793.0
70°	113.8	111.2	106.2	98.6	90.1	81.8	77.7	50.1	843.1
75°	91.9	90.6	84.2	76.2	67.3	58.7	53.5	39.7	882.8
80°	70.8	68.8	62.9	54.4	45.2	36.1	30.1	28.6	911.4
85°	52.2	50.3	44.7	36.3	26.8	17.6	11.2	18.9	930.2
90°	41.3	39.2	33.7	25.7	16.7	7.7	2.0	13.2	943.5
95°	37.2	35.5	30.5	23.1	14.2	5.7	1.8	11.7	955.1
100°	33.6	31.9	27.2	20.0	11.9	4.1	1.6	10.1	965.3
105°	29.8	28.2	23.6	17.2	9.5	2.6	1.4	8.5	973.8
110°	26.0	24.2	20.2	14.2	7.2	1.5	1.2	7.0	980.8
115°	21.9	20.5	16.9	11.4	5.1	1.4	1.2	5.5	986.3
120°	18.6	17.0	13.7	8.7	3.2	1.3	1.1	4.3	990.6
125°	14.8	13.4	10.4	6.0	1.7	1.3	1.1	3.1	993.6
130°	11.3	10.0	7.4	3.7	1.5	1.3	1.1	2.1	995.7
135°	7.8	6.8	4.7	1.9	1.5	1.3	1.0	1.3	997.1
140°	4.8	4.0	2.4	1.7	1.5	1.2	1.0	0.8	997.9
145°	2.3	2.1	1.9	1.7	1.5	1.3	1.2	0.5	998.4
150°	2.0	2.0	1.9	1.7	1.5	1.4	1.3	0.5	998.9
155°	1.9	1.9	1.8	1.7	1.5	1.4	1.3	0.4	999.3
160°	1.8	1.8	1.8	1.6	1.5	1.5	1.4	0.3	999.6
165°	1.7	1.7	1.6	1.5	1.5	1.5	1.4	0.2	999.8
170°	1.5	1.6	1.5	1.5	1.5	1.5	1.4	0.1	999.9
175°	1.5	1.5	1.5	1.5	1.5	1.5	1.4	0.1	1000.0
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1000.0

Photometric test report

Family Monsun® 21	Order number: 51FB20DL447K3H EAN: 4069025131744	LP number 59394_65
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UGR-Table	Standard room	siteco
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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	19.9	21.7	20.3	22.0	22.3	19.6	21.4	20.0	21.7	22.0
	3H	21.8	23.3	22.1	23.7	24.0	21.2	22.8	21.6	23.1	23.5
	4H	22.6	24.1	23.0	24.4	24.8	21.8	23.3	22.2	23.6	24.0
	6H	23.3	24.7	23.7	25.1	25.5	22.2	23.6	22.6	24.0	24.4
	8H	23.7	25.0	24.1	25.3	25.7	22.4	23.7	22.8	24.1	24.5
	12H	24.0	25.2	24.4	25.6	26.0	22.4	23.7	22.9	24.1	24.5
4H	2H	20.7	22.1	21.1	22.5	22.9	20.4	21.9	20.8	22.3	22.6
	3H	22.7	24.0	23.1	24.3	24.8	22.2	23.5	22.6	23.8	24.3
	4H	23.7	24.8	24.1	25.2	25.6	22.9	24.1	23.4	24.5	24.9
	6H	24.5	25.6	25.0	26.0	26.4	23.4	24.5	23.9	24.9	25.4
	8H	24.9	25.9	25.4	26.3	26.8	23.6	24.6	24.1	25.0	25.5
	12H	25.3	26.1	25.8	26.6	27.1	23.7	24.6	24.2	25.0	25.5
8H	4H	24.0	24.9	24.5	25.4	25.9	23.4	24.3	23.8	24.7	25.2
	6H	25.0	25.8	25.5	26.3	26.8	24.0	24.8	24.5	25.3	25.8
	8H	25.5	26.3	26.0	26.7	27.2	24.3	25.0	24.8	25.5	26.0
	12H	26.1	26.7	26.6	27.1	27.7	24.4	25.0	24.9	25.5	26.1
12H	4H	24.0	24.9	24.5	25.4	25.8	23.5	24.3	23.9	24.7	25.2
	6H	25.1	25.8	25.6	26.3	26.8	24.2	24.9	24.7	25.4	25.9
	8H	25.7	26.3	26.2	26.8	27.3	24.5	25.1	25.0	25.6	26.1

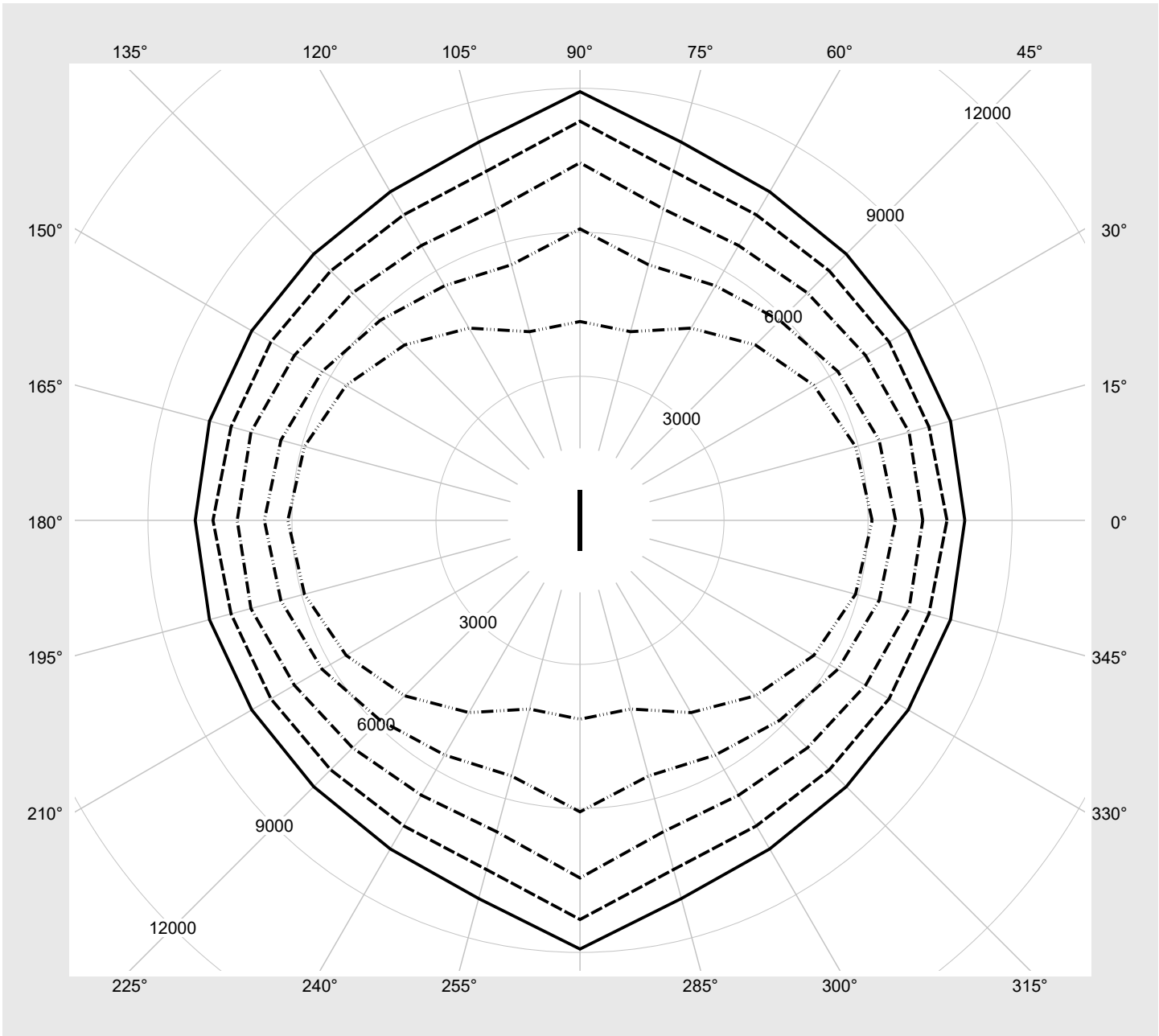
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1299	H(C0) = 21	H(C180) = 21
			B = 87	H(C90) = 21	H(C270) = 21

C-planes	γ	Luminance in cd/m ²							
		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°	45°	9277.6	9284.0	9276.6	9343.4	9528.0	9891.4	10545.0	
50°	50°	8977.9	8963.1	8952.0	9003.3	9141.1	9487.4	10195.5	
55°	55°	8669.5	8659.3	8641.9	8652.8	8745.2	9070.3	9806.9	
60°	60°	8366.5	8324.3	8292.2	8261.9	8348.5	8624.7	9388.0	
65°	65°	8016.3	7990.9	7896.3	7845.1	7903.3	8155.9	8929.6	
70°	70°	7645.4	7525.7	7435.3	7346.9	7348.0	7530.0	8314.2	
75°	75°	7140.8	7097.1	6870.4	6700.9	6610.4	6713.7	7449.0	
80°	80°	6575.7	6451.3	6203.4	5888.8	5642.9	5512.5	6071.5	
85°	85°	6085.9	5943.0	5624.6	5167.8	4623.7	4068.7	4142.0	

Photometric test report

Family Monsun® 21	Order number: 51FB20DL447K3H EAN: 4069025131744	LP number 59394_65
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Monsun® 21	Order number: 51FB20DL447K3H EAN: 4069025131744	LP number 59394_65
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4320	30.4
95	241	252	4108	29.3
90	228	250	3892	28.0
85	215	248	3678	26.8
80	202	246	3463	25.6
75	189	243	3246	24.3
70	176	241	3030	23.1
65	163	238	2811	21.7
60	150	235	2591	20.5
55	137	231	2370	19.1
50	125	228	2165	17.9
45	112	224	1942	16.5
40	100	220	1736	15.2
35	87	215	1511	13.9
30	75	209	1303	12.6
25	62	202	1076	11.4
20	50	194	867	10.2
15	37	183	639	9.0
10	25	169	428	7.9
5	13	145	217	7.0
4	11	139	181	6.8