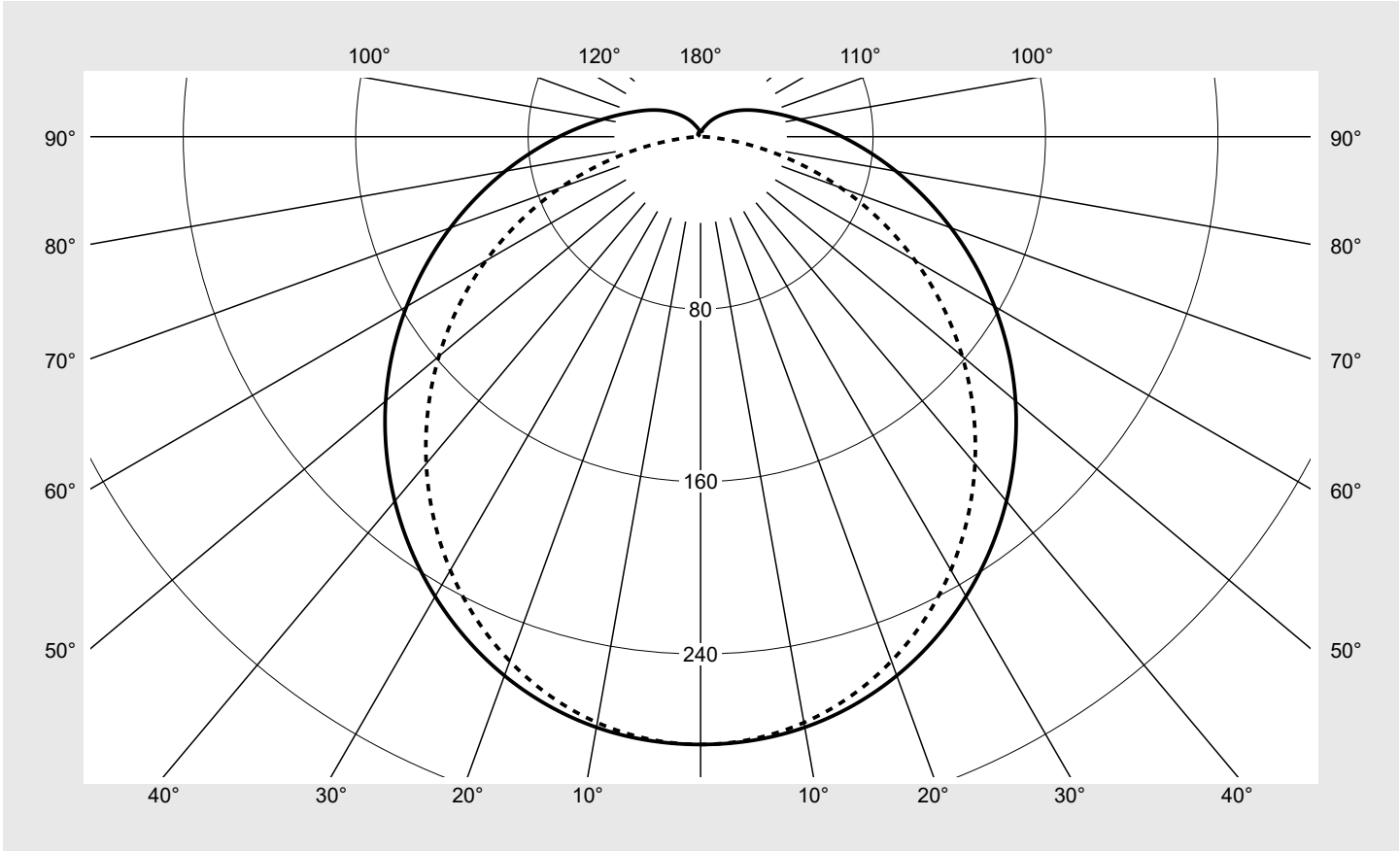


Photometric test report

Family Monsun® 41	Order number: 51FK20MD420B EAN: 4069025570796	LP number 59964_1
	Version cover polycarbonat, diffuser distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Rated values Net luminous flux = 2630 lm Power consumption = 17.5 W Luminous efficacy = 150.3 lm/W	serial documentation 12.02.2026
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 282 cd/klm**



Classifications	
DIN 5040	A 3 1
CIE	N1=42 N2=72 N3=90 N4=91 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	90.6%
ϕ_o	9.4%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 41	Order number: 51FK20MD420B EAN: 4069025570796	LP number 59964_1
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°	282.0	282.0	282.0	282.0	282.0	282.0	282.0	1.7	1.7
5°	281.1	281.0	280.9	280.8	280.6	280.5	280.4	13.4	15.1
10°	278.3	278.0	277.7	277.2	276.6	276.2	276.0	26.4	41.5
15°	273.2	272.8	272.2	271.2	270.1	269.3	268.8	38.5	79.9
20°	266.1	265.5	264.4	262.9	261.0	259.7	258.9	49.2	129.2
25°	257.0	256.2	254.6	252.4	249.8	247.9	246.6	58.4	187.6
30°	246.3	245.2	243.1	240.0	236.4	233.9	232.2	65.7	253.3
35°	234.1	232.7	230.0	225.9	221.4	218.1	215.9	70.9	324.2
40°	220.7	218.9	215.5	210.5	204.7	200.6	198.0	74.0	398.1
45°	206.2	204.1	200.0	193.9	186.9	181.8	178.8	74.9	473.0
50°	190.7	188.3	183.5	176.3	168.1	162.1	158.4	73.7	546.7
55°	174.4	171.6	166.2	158.1	148.5	141.5	137.1	70.5	617.2
60°	157.5	154.5	148.4	139.2	128.3	120.2	115.0	65.4	682.6
65°	140.4	137.0	130.3	120.1	107.8	98.5	92.2	58.8	741.4
70°	123.6	119.9	112.4	101.2	87.4	76.7	69.1	51.0	792.4
75°	107.3	103.4	95.4	83.2	67.7	55.4	46.3	42.5	834.9
80°	92.0	88.1	79.7	66.9	49.9	36.0	25.1	34.1	869.0
85°	78.0	74.2	65.7	52.7	35.4	20.5	8.1	26.5	895.5
90°	65.7	61.9	53.8	41.4	24.9	11.3	0.6	20.7	916.2
95°	55.1	51.9	44.5	32.8	18.2	7.5	0.7	16.6	932.8
100°	46.3	43.5	36.9	26.7	14.3	5.7	0.8	13.5	946.4
105°	39.2	36.7	31.0	22.3	11.6	4.5	0.9	11.1	957.5
110°	33.4	31.1	26.2	18.6	9.8	4.0	1.1	9.2	966.7
115°	28.8	26.7	22.3	15.7	8.2	3.3	1.2	7.6	974.3
120°	24.8	22.7	18.8	13.0	6.9	3.0	1.3	6.1	980.4
125°	21.2	19.7	16.2	10.8	5.9	2.8	1.5	5.0	985.4
130°	17.8	16.5	13.6	9.0	5.1	2.6	1.6	4.0	989.3
135°	14.8	13.7	11.2	7.5	4.6	2.6	1.7	3.1	992.4
140°	12.2	10.7	8.8	6.3	4.0	2.5	1.8	2.3	994.7
145°	9.8	8.6	7.1	5.3	3.5	2.4	2.0	1.7	996.5
150°	7.6	6.8	5.8	4.5	3.2	2.4	2.1	1.3	997.7
155°	5.7	5.4	4.8	3.8	2.9	2.4	2.2	0.9	998.6
160°	4.5	4.3	3.8	3.3	2.7	2.4	2.2	0.6	999.2
165°	3.6	3.3	3.1	2.8	2.5	2.3	2.3	0.4	999.6
170°	2.8	2.7	2.6	2.5	2.4	2.4	2.3	0.2	999.9
175°	2.5	2.4	2.4	2.4	2.4	2.4	2.4	0.1	1000.0
180°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0	1000.0

Photometric test report

Family Monsun® 41	Order number: 51FK20MD420B EAN: 4069025570796	LP number 59964_1
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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	22.1	23.8	22.4	24.2	24.5	21.6	23.3	21.9	23.6	24.0
	3H	24.1	25.7	24.5	26.0	26.4	23.1	24.7	23.5	25.1	25.4
	4H	25.1	26.6	25.5	26.9	27.3	23.7	25.2	24.1	25.6	25.9
	6H	26.0	27.4	26.5	27.8	28.2	24.1	25.5	24.5	25.9	26.3
	8H	26.5	27.9	27.0	28.2	28.6	24.2	25.6	24.6	25.9	26.3
	12H	27.0	28.2	27.4	28.6	29.0	24.3	25.5	24.7	25.9	26.4
4H	2H	22.8	24.3	23.2	24.7	25.1	22.4	23.9	22.8	24.3	24.7
	3H	25.0	26.4	25.5	26.7	27.1	24.2	25.5	24.6	25.9	26.3
	4H	26.2	27.4	26.6	27.8	28.2	24.9	26.1	25.3	26.5	26.9
	6H	27.3	28.4	27.8	28.8	29.3	25.4	26.5	25.9	26.9	27.4
	8H	27.9	28.9	28.3	29.3	29.8	25.6	26.6	26.0	27.0	27.5
	12H	28.5	29.3	28.9	29.8	30.3	25.7	26.6	26.2	27.0	27.5
8H	4H	26.5	27.5	27.0	28.0	28.4	25.5	26.4	25.9	26.9	27.3
	6H	27.9	28.7	28.4	29.2	29.7	26.2	27.0	26.7	27.5	28.0
	8H	28.6	29.4	29.1	29.8	30.3	26.4	27.2	26.9	27.7	28.2
	12H	29.3	30.0	29.8	30.5	31.0	26.6	27.3	27.1	27.8	28.3
12H	4H	26.6	27.5	27.1	28.0	28.4	25.6	26.5	26.1	26.9	27.4
	6H	28.0	28.8	28.5	29.2	29.7	26.4	27.2	26.9	27.6	28.1
	8H	28.8	29.4	29.3	29.9	30.5	26.8	27.4	27.3	27.9	28.4

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 530	H(C0) = 20	H(C180) = 20
			B = 66	H(C90) = 0	H(C270) = 0

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°		16824.4	16786.5	16843.5	16976.4	17255.0	17929.4	19012.3	
50°		16389.2	16326.6	16347.7	16428.8	16652.5	17341.1	18532.0	
55°		15955.3	15865.1	15844.7	15863.7	16001.2	16679.6	17970.8	
60°		15529.4	15412.9	15340.0	15270.6	15283.9	15916.0	17287.3	
65°		15140.6	14975.9	14827.5	14640.0	14478.8	15004.4	16401.0	
70°		14824.3	14607.8	14360.9	14003.3	13570.4	13879.5	15199.4	
75°		14624.5	14356.9	13998.7	13430.7	12560.9	12449.2	13460.1	
80°		14658.1	14333.9	13863.7	13071.7	11625.0	10787.6	10870.8	
85°		15082.9	14720.3	14172.5	13183.1	11171.7	9332.8	7012.6	

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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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