

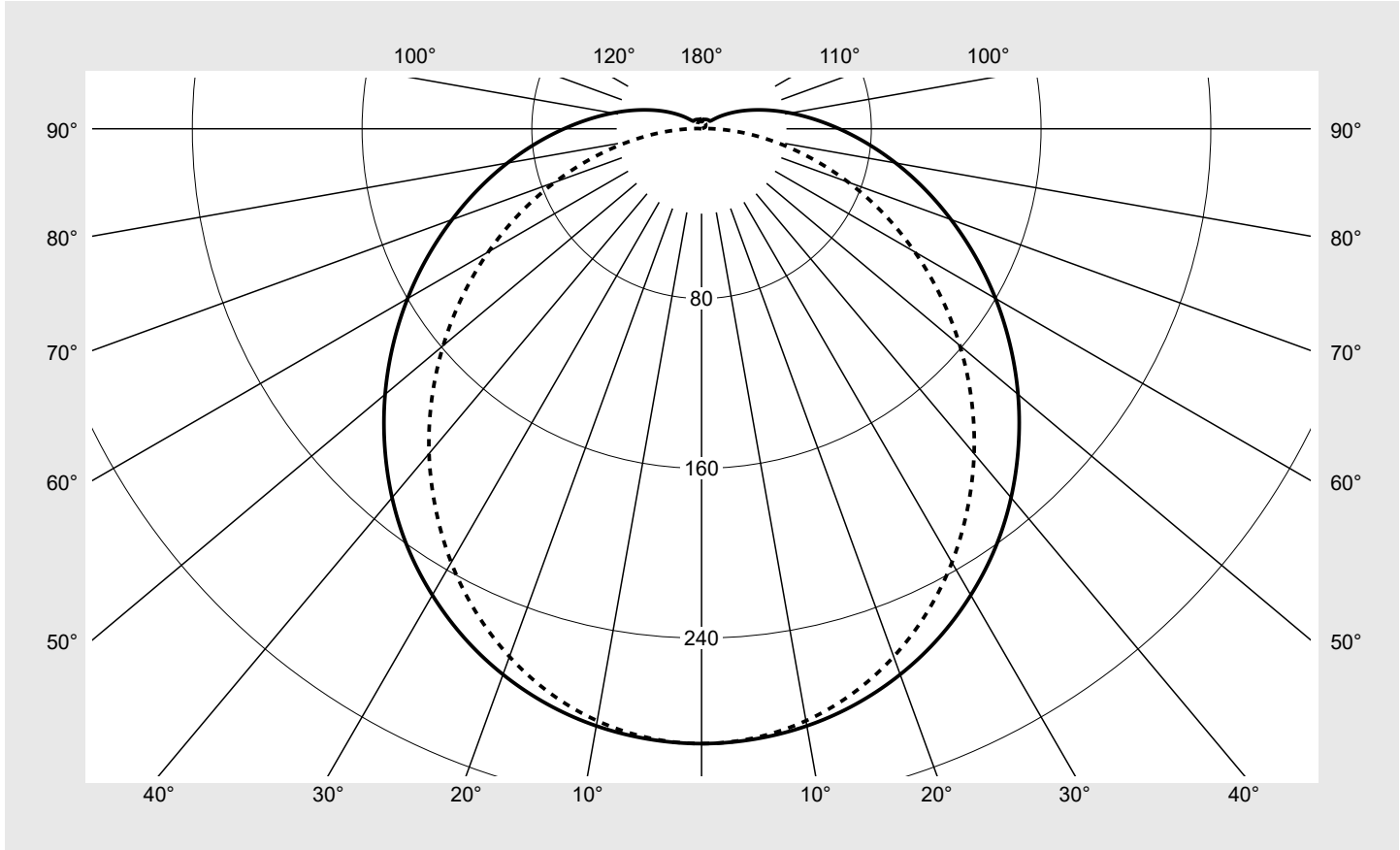


Photometric test report

Family Monsun® 31	Order number: 51FD20ND430A EAN: 4069025458391	LP number 59823_1
	Version damp-proof luminaire, cover, frosted, PC, diffuse beam Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI-Multilumen Rated values Net luminous flux = 2980 lm Power consumption = 18.0 W Luminous efficacy = 165.6 lm/W	serial documentation 26.09.2025
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 290 cd/klm**



Classifications	
DIN 5040	A 3 1
CIE	N1=42 N2=72 N3=90 N4=92 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	92.3%
ϕ_o	7.7%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 31	Order number: 51FD20ND430A EAN: 4069025458391	LP number 59823_1
Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes γ	0° 180°	Luminous intensity in cd/klm			90° 270°	Phi-zone	Total Phi-zone
		30° 150° 210° 330°	60° 120° 240° 300°				
0°	289.7	289.7	289.7	289.7	1.7	1.7	
5°	288.7	288.5	288.2	288.1	13.8	15.5	
10°	285.7	285.1	283.9	283.3	27.1	42.6	
15°	280.7	279.4	276.7	275.4	39.4	82.0	
20°	273.7	271.5	267.0	264.7	50.5	132.5	
25°	264.7	261.4	254.8	251.4	59.8	192.3	
30°	253.7	249.4	240.4	236.0	67.1	259.4	
35°	241.2	235.6	224.2	218.5	72.3	331.7	
40°	226.9	220.1	206.6	199.8	75.2	406.9	
45°	211.2	203.7	187.5	179.8	75.8	482.7	
50°	194.7	185.9	167.8	158.9	74.2	556.9	
55°	177.5	167.7	147.6	137.6	70.8	627.7	
60°	160.0	149.4	127.3	116.0	65.6	693.3	
65°	142.4	131.4	107.4	94.7	59.2	752.5	
70°	125.1	114.0	88.4	73.5	51.8	804.2	
75°	108.6	97.4	70.6	53.4	43.9	848.2	
80°	92.9	81.8	54.0	34.7	35.9	884.1	
85°	78.2	67.3	40.2	18.3	28.3	912.5	
90°	64.8	53.0	29.2	5.4	21.4	933.9	
95°	52.9	43.7	20.9	1.3	16.7	950.6	
100°	42.5	34.3	14.0	0.7	12.6	963.2	
105°	33.5	26.3	9.4	1.0	9.3	972.5	
110°	25.9	19.6	6.0	1.4	6.8	979.3	
115°	19.5	14.2	4.0	1.9	4.8	984.0	
120°	14.0	9.7	3.7	2.2	3.4	987.4	
125°	9.6	6.2	3.6	2.3	2.4	989.8	
130°	6.1	4.8	3.4	2.6	1.8	991.5	
135°	5.2	4.8	3.5	2.8	1.6	993.1	
140°	5.2	4.7	3.5	3.0	1.5	994.6	
145°	5.1	4.6	3.7	3.2	1.3	995.9	
150°	5.0	4.4	3.8	3.3	1.1	997.0	
155°	4.8	4.3	3.9	3.4	1.0	998.0	
160°	4.7	4.3	4.1	3.6	0.8	998.7	
165°	4.6	4.2	4.3	4.2	0.6	999.4	
170°	4.2	4.2	4.4	4.4	0.4	999.8	
175°	3.5	4.3	4.6	4.6	0.2	1000.0	
180°	4.4	4.4	4.4	4.4	0.0	1000.0	

Photometric test report

Family Monsun® 31	Order number: 51FD20ND430A EAN: 4069025458391	LP number 59823_1
------------------------------------	--	------------------------------------

UGR-Table	Standard room	siteco
------------------	----------------------	---------------

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	21.0	22.8	21.4	23.1	23.4	20.4	22.2	20.8	22.5	22.8
	3H	23.0	24.6	23.4	25.0	25.3	22.0	23.6	22.4	24.0	24.3
	4H	24.0	25.5	24.4	25.9	26.2	22.7	24.2	23.1	24.6	24.9
	6H	25.0	26.4	25.4	26.7	27.1	23.2	24.7	23.7	25.0	25.4
	8H	25.5	26.8	25.9	27.1	27.6	23.5	24.8	23.9	25.2	25.6
	12H	25.9	27.1	26.3	27.5	28.0	23.7	25.0	24.1	25.4	25.8
4H	2H	21.7	23.3	22.1	23.6	24.0	21.3	22.8	21.7	23.1	23.5
	3H	23.9	25.3	24.4	25.7	26.1	23.1	24.4	23.5	24.8	25.2
	4H	25.1	26.3	25.5	26.7	27.1	23.9	25.1	24.3	25.5	25.9
	6H	26.2	27.3	26.7	27.7	28.2	24.6	25.7	25.0	26.1	26.5
	8H	26.8	27.8	27.3	28.2	28.7	24.8	25.8	25.3	26.3	26.8
	12H	27.4	28.2	27.8	28.7	29.2	25.1	26.0	25.6	26.4	26.9
8H	4H	25.5	26.5	25.9	26.9	27.4	24.5	25.4	24.9	25.9	26.3
	6H	26.8	27.7	27.3	28.1	28.6	25.3	26.2	25.8	26.6	27.1
	8H	27.5	28.3	28.0	28.8	29.3	25.7	26.5	26.2	26.9	27.5
	12H	28.3	28.9	28.8	29.4	29.9	26.1	26.7	26.6	27.2	27.7
12H	4H	25.5	26.4	26.0	26.9	27.4	24.6	25.5	25.1	25.9	26.4
	6H	26.9	27.7	27.4	28.2	28.7	25.6	26.3	26.1	26.8	27.3
	8H	27.7	28.4	28.2	28.9	29.4	26.0	26.7	26.5	27.2	27.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 600	H(C0) = 28	H(C180) = 28
			B = 90	H(C90) = 0	H(C270) = 0

C-planes	γ	0° 180°	Luminance in cd/m²			
			30° 150° 210° 330°	60° 120° 240° 300°	90° 270°	
	45°	12572.4	12520.7	12666.4	14031.4	
	50°	12194.3	12078.9	12151.7	13644.0	
	55°	11823.2	11650.1	11618.7	13234.6	
	60°	11473.7	11243.9	11067.9	12801.9	
	65°	11150.1	10872.8	10519.4	12360.4	
	70°	10882.5	10566.3	9994.1	11865.2	
	75°	10713.2	10353.4	9527.2	11375.5	
	80°	10680.1	10286.4	9121.0	11036.2	
	85°	10865.2	10447.2	9153.7	11586.5	

Photometric test report

Family Monsun® 31	Order number: 51FD20ND430A EAN: 4069025458391	LP number 59823_1
------------------------------------	--	------------------------------------

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

