

Photometric test report

Family
Monsun® 21

Order number: **51FG207L430K**
EAN: **4069025131782**

LP number
59394_59



Version prismatic diffuser, opal, polycarbonate, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG
Rated values Net luminous flux = 3930 lm
Power consumption = 24.7 W
Luminous efficacy = 159.1 lm/W

serial
documentation
05.02.2026

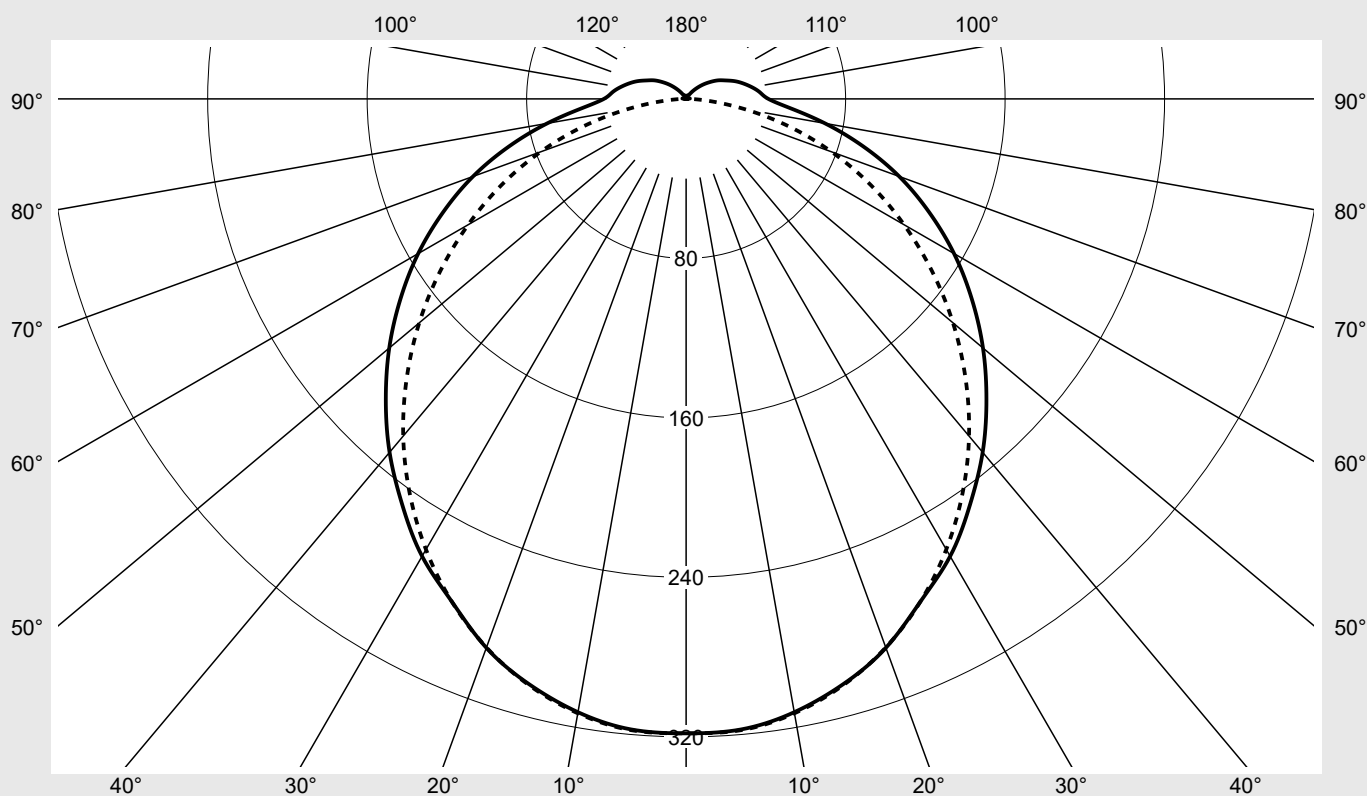
siteco

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: 51FG207L430K EAN: 4069025131782	LP number 59394_59
Table of values for luminous intensities		Maximum luminous intensity
		siteco

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°	Phi-zone	Total Phi-zone
γ	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: 51FG207L430K EAN: 4069025131782	LP number 59394_59
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	19.6	21.3	20.0	21.6	22.0	19.3	21.0	19.7	21.4	21.7
	3H	21.4	23.0	21.8	23.3	23.7	20.9	22.4	21.3	22.8	23.1
	4H	22.3	23.7	22.7	24.1	24.5	21.5	23.0	21.9	23.3	23.7
	6H	23.0	24.4	23.4	24.7	25.1	21.9	23.3	22.3	23.6	24.0
	8H	23.3	24.6	23.8	25.0	25.4	22.0	23.3	22.5	23.7	24.1
	12H	23.6	24.8	24.1	25.2	25.6	22.1	23.3	22.5	23.7	24.1
4H	2H	20.3	21.8	20.7	22.2	22.5	20.1	21.6	20.5	21.9	22.3
	3H	22.4	23.6	22.8	24.0	24.4	21.9	23.1	22.3	23.5	23.9
	4H	23.3	24.5	23.8	24.9	25.3	22.6	23.8	23.0	24.2	24.6
	6H	24.2	25.2	24.7	25.7	26.1	23.1	24.1	23.6	24.6	25.0
	8H	24.6	25.5	25.1	26.0	26.5	23.3	24.2	23.7	24.7	25.1
	12H	25.0	25.8	25.5	26.3	26.8	23.4	24.2	23.9	24.7	25.2
8H	4H	23.7	24.6	24.1	25.1	25.5	23.0	24.0	23.5	24.4	24.9
	6H	24.7	25.5	25.2	26.0	26.5	23.7	24.5	24.2	25.0	25.5
	8H	25.2	25.9	25.7	26.4	26.9	23.9	24.7	24.4	25.1	25.6
	12H	25.7	26.3	26.2	26.8	27.3	24.1	24.7	24.6	25.2	25.7
12H	4H	23.7	24.6	24.2	25.0	25.5	23.1	24.0	23.6	24.4	24.9
	6H	24.8	25.5	25.3	26.0	26.5	23.9	24.5	24.4	25.0	25.5
	8H	25.4	26.0	25.9	26.5	27.0	24.1	24.7	24.7	25.2	25.8

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1299 B = 87		H(C0) = 21 H(C90) = 21		H(C180) = 21 H(C270) = 21	
C-planes	γ	0°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°			
		Luminance in cd/m²									
	45°	8440.0	8445.9	8439.2	8499.9	8667.9	8998.5	9593.0			
	50°	8167.4	8153.9	8143.8	8190.5	8315.8	8630.9	9275.1			
	55°	7886.8	7877.6	7861.7	7871.7	7955.7	8251.5	8921.6			
	60°	7611.2	7572.8	7543.6	7516.0	7594.8	7846.1	8540.4			
	65°	7292.6	7269.5	7183.4	7136.9	7189.8	7419.6	8123.4			
	70°	6955.2	6846.3	6764.1	6683.6	6684.6	6850.2	7563.7			
	75°	6496.2	6456.4	6250.2	6096.0	6013.6	6107.6	6776.6			
	80°	5982.0	5868.9	5643.4	5357.2	5133.5	5014.9	5523.4			
	85°	5536.5	5406.5	5116.9	4701.2	4206.3	3701.4	3768.1			

Photometric test report

Family
Monsun® 21

Order number: 51FG207L430K
EAN: 4069025131782

LP number
59394_59

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

