

Photometric test report

Family
Monsun® 21

Order number: 51FB107L447K3G
EAN: 4069025131508

LP number
59393_62



Version prismatic diffuser, opal, PMMA, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG
Setting AC-mode
Rated values Net luminous flux = 4330 lm
 Power consumption = 28.8 W
 Luminous efficacy = 150.3 lm/W

serial
documentation
05.02.2026

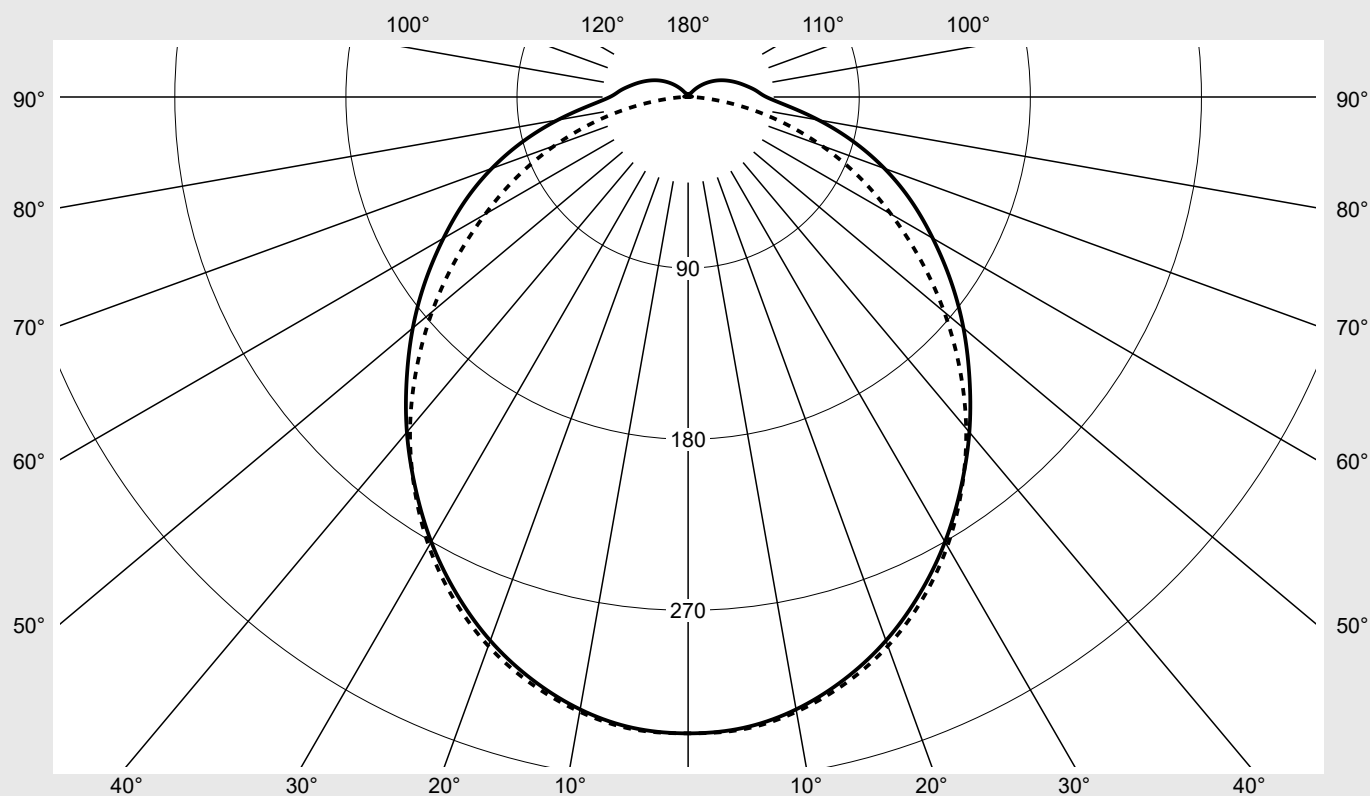
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 335 cd/klm



Classifications

DIN 5040 A 4 1
 CIE N1=46 N2=76 N3=93
 N4=94 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 93.9%
 ϕ_o 6.1%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 21	Order number: 51FB107L447K3G EAN: 4069025131508	LP number 59393_62
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°	334.7	334.7	334.7	334.7	334.7	334.7	334.7	2.0	2.0
5°	333.1	333.6	331.1	331.9	332.7	333.2	333.8	15.9	17.9
10°	327.1	327.9	325.6	326.0	327.2	327.9	328.3	31.1	49.0
15°	317.2	318.4	316.4	316.9	317.9	318.6	319.4	45.1	94.1
20°	304.3	305.5	304.0	304.0	305.5	306.0	307.3	57.2	151.3
25°	288.3	289.5	288.3	288.0	289.4	289.8	291.5	67.0	218.3
30°	270.2	271.6	270.4	269.7	270.4	271.0	272.7	74.2	292.5
35°	250.3	251.6	250.4	249.2	249.0	249.3	251.0	78.6	371.1
40°	230.1	230.9	229.3	227.2	226.1	225.6	227.5	80.3	451.4
45°	209.3	209.8	207.4	204.4	202.0	200.5	202.0	79.4	530.9
50°	189.0	188.7	186.0	181.6	177.7	174.7	175.8	76.4	607.2
55°	168.7	168.2	164.8	159.1	153.5	149.2	149.2	71.4	678.6
60°	148.6	147.7	143.7	136.7	130.2	124.3	123.2	64.8	743.4
65°	129.5	127.8	123.0	114.9	108.3	100.8	99.1	57.1	800.4
70°	109.9	108.0	102.2	93.4	85.8	77.4	74.6	48.0	848.4
75°	89.7	87.9	81.7	72.5	63.8	55.3	51.1	38.1	886.5
80°	69.6	67.6	61.9	52.4	43.1	34.0	28.9	27.7	914.2
85°	52.2	49.9	44.6	35.4	25.7	16.3	10.6	18.5	932.7
90°	41.2	39.2	34.0	25.7	16.3	7.4	2.3	13.2	945.9
95°	36.2	34.5	30.1	22.6	13.9	5.6	2.0	11.4	957.3
100°	31.8	30.4	26.2	19.4	11.5	4.0	1.7	9.7	967.1
105°	27.9	26.5	22.5	16.5	9.2	2.5	1.5	8.1	975.2
110°	24.2	22.6	19.2	13.5	6.9	1.5	1.3	6.6	981.8
115°	20.8	19.1	16.0	10.8	4.9	1.4	1.2	5.2	987.0
120°	17.3	15.9	12.9	8.1	3.1	1.3	1.2	4.0	991.0
125°	13.9	12.5	9.8	5.6	1.6	1.3	1.1	2.9	993.8
130°	10.5	9.4	7.0	3.5	1.5	1.3	1.1	2.0	995.8
135°	7.3	6.4	4.4	1.9	1.5	1.2	1.0	1.3	997.1
140°	4.5	3.8	2.3	1.7	1.5	1.2	1.1	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	1.4	0.4	999.3
160°	1.8	1.8	1.7	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	1.5	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	1.5	0.1	1000.0
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1000.0

Photometric test report

Family Monsun® 21		Order number: 51FB107L447K3G EAN: 4069025131508							LP number 59393_62	
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
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3
Reflection factor of floor		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	19.7	21.5	20.1	21.8	22.1	19.6	21.3	19.9	21.6
	3H	21.6	23.1	21.9	23.4	23.8	21.0	22.6	21.4	22.9
	4H	22.4	23.9	22.8	24.2	24.6	21.6	23.1	22.0	23.4
	6H	23.1	24.5	23.6	24.9	25.3	22.0	23.4	22.4	23.8
	8H	23.5	24.8	23.9	25.1	25.5	22.2	23.4	22.6	23.8
	12H	23.8	25.0	24.2	25.4	25.8	22.2	23.4	22.6	23.8
4H	2H	20.5	21.9	20.8	22.3	22.6	20.3	21.8	20.7	22.1
	3H	22.5	23.7	22.9	24.1	24.5	22.0	23.2	22.4	23.6
	4H	23.4	24.6	23.9	25.0	25.4	22.7	23.8	23.1	24.2
	6H	24.3	25.4	24.8	25.8	26.2	23.2	24.2	23.6	24.6
	8H	24.8	25.7	25.2	26.1	26.6	23.3	24.3	23.8	24.7
	12H	25.2	26.0	25.6	26.4	26.9	23.5	24.3	23.9	24.7
8H	4H	23.8	24.7	24.2	25.1	25.6	23.1	24.0	23.6	24.5
	6H	24.8	25.6	25.3	26.1	26.6	23.8	24.5	24.3	25.0
	8H	25.4	26.1	25.9	26.5	27.1	24.0	24.7	24.5	25.2
	12H	25.9	26.5	26.4	27.0	27.5	24.2	24.8	24.7	25.2
12H	4H	23.8	24.7	24.3	25.1	25.6	23.2	24.0	23.7	24.5
	6H	24.9	25.6	25.4	26.1	26.6	23.9	24.6	24.4	25.1
	8H	25.5	26.1	26.0	26.6	27.1	24.2	24.8	24.7	25.3

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° 180°	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°		9136.0	9186.6	9235.2	9367.1	9645.2	10077.9	10772.3
50°		8750.4	8768.5	8807.0	8895.6	9129.5	9526.6	10281.2
55°		8379.2	8393.6	8400.8	8434.1	8598.1	8968.8	9741.5
60°		8028.0	8020.5	7999.7	7964.8	8091.8	8387.5	9185.3
65°		7734.8	7680.4	7610.0	7488.1	7614.7	7829.5	8682.0
70°		7402.0	7322.1	7167.5	6971.4	7012.0	7135.3	8004.1
75°		6982.7	6897.2	6679.5	6389.1	6288.6	6339.9	7136.8
80°		6485.7	6362.2	6117.4	5685.6	5391.5	5192.8	5840.6
85°		6102.4	5910.1	5634.9	5044.4	4452.6	3785.7	3946.4

Photometric test report

Family
Monsun® 21

Order number: 51FB107L447K3G
EAN: 4069025131508

LP number
59393_62

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

