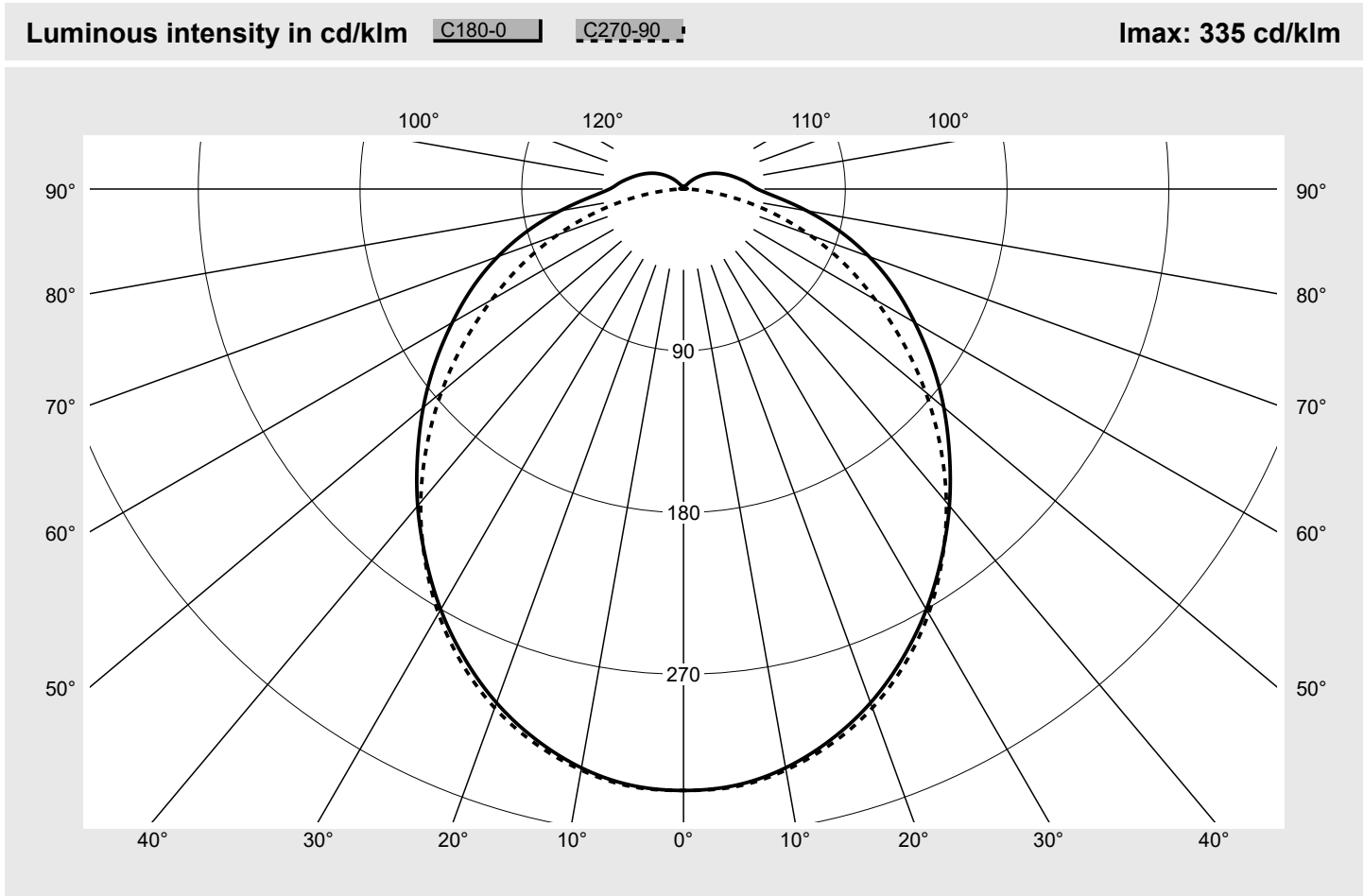


Photometric test report

Family Monsun® 21	Order number: 51FB10DL447K3H EAN: 4069025131560	LP number 59393_29
	Version	prismatic diffuser, opal, PMMA, extremely wide distribution, emergence lighting 3h
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Setting	3 h
	Rated values	Net luminous flux = 930 lm Power consumption = 6.2 W Luminous efficacy = 150 lm/W
		serial documentation 04.09.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	η_{LB}	100.0%
CIE	N1=46 N2=76 N3=93	ϕ_u	93.9%
	N4=94 N5=100	ϕ_o	6.1%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 21	Order number: 51FB10DL447K3H EAN: 4069025131560	LP number 59393_29
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

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Family Monsun® 21		Order number: 51FB10DL447K3H EAN: 4069025131560							LP number 59393_29	
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	14.4	16.1	14.8	16.4	16.7	14.2	15.9	14.6	16.2
	3H	16.2	17.8	16.6	18.1	18.5	15.7	17.3	16.1	17.6
	4H	17.1	18.5	17.4	18.9	19.2	16.3	17.7	16.7	18.1
	6H	17.8	19.2	18.2	19.5	19.9	16.7	18.0	17.1	18.4
	8H	18.2	19.4	18.6	19.8	20.2	16.8	18.1	17.2	18.5
	12H	18.5	19.7	18.9	20.0	20.5	16.9	18.1	17.3	18.5
4H	2H	15.1	16.6	15.5	16.9	17.3	15.0	16.4	15.4	16.8
	3H	17.1	18.4	17.5	18.8	19.2	16.6	17.9	17.1	18.3
	4H	18.1	19.2	18.5	19.7	20.1	17.3	18.5	17.8	18.9
	6H	19.0	20.0	19.5	20.4	20.9	17.8	18.9	18.3	19.3
	8H	19.4	20.3	19.9	20.8	21.2	18.0	18.9	18.5	19.4
	12H	19.8	20.6	20.3	21.1	21.6	18.1	18.9	18.6	19.4
8H	4H	18.4	19.4	18.9	19.8	20.3	17.8	18.7	18.2	19.1
	6H	19.5	20.3	20.0	20.7	21.2	18.4	19.2	18.9	19.7
	8H	20.0	20.7	20.5	21.2	21.7	18.7	19.3	19.1	19.8
	12H	20.5	21.1	21.1	21.6	22.2	18.8	19.4	19.3	19.9
12H	4H	18.5	19.3	19.0	19.8	20.3	17.9	18.7	18.4	19.1
	6H	19.6	20.3	20.1	20.8	21.3	18.6	19.3	19.1	19.7
	8H	20.2	20.8	20.7	21.3	21.8	18.9	19.4	19.4	19.9

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°		1962.2	1973.1	1983.5	2011.9	2071.6	2164.5	2313.7
50°		1879.4	1883.3	1891.6	1910.6	1960.8	2046.1	2208.2
55°		1799.7	1802.8	1804.3	1811.5	1846.7	1926.3	2092.3
60°		1724.3	1722.7	1718.2	1710.7	1738.0	1801.5	1972.8
65°		1661.3	1649.6	1634.5	1608.3	1635.5	1681.6	1864.7
70°		1589.8	1572.6	1539.4	1497.3	1506.0	1532.5	1719.1
75°		1499.8	1481.4	1434.6	1372.3	1350.7	1361.7	1532.8
80°		1393.0	1366.5	1313.9	1221.2	1158.0	1115.3	1254.5
85°		1310.7	1269.4	1210.3	1083.4	956.3	813.1	847.6

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Family
Monsun® 21

Order number: 51FB10DL447K3H
EAN: 4069025131560

LP number
59393_29

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

