

Photometric test report

Family
Modario® PS

Order number: 5TS20171V4105
EAN: 4050737836928

LP number
55135_11



Version diffuser optic, frosted, narrow distribution
Lamps 1 x LED 4000K / CRI ≥ 80
 (unbekannt LED 4000K / CRI = 80)
Controlgear ECG
Rated values Net luminous flux = 10210 lm
 Power consumption = 62.0 W
 Luminous efficacy = 164.7 lm/W

serial
documentation
10.12.2015

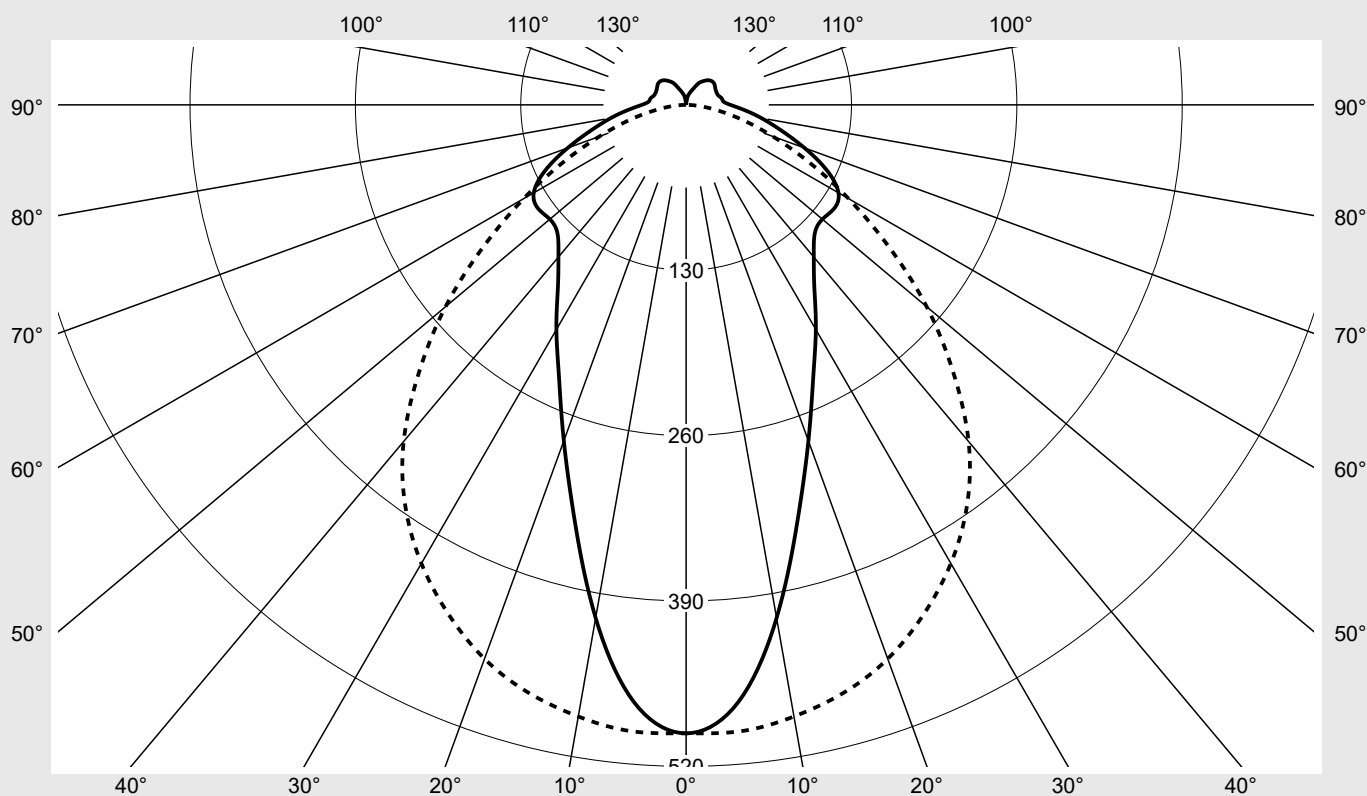
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 494 cd/klm



Classifications

DIN 5040 A 4 1
 CIE N1=52 N2=78 N3=94
 N4=90 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 90.2%
 ϕ_o 9.8%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
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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°	494.0	494.0	494.0	494.0	494.0	494.0	494.0	3.0	3.0
5°	471.2	473.6	473.3	479.8	487.3	492.3	494.3	23.0	26.0
10°	409.6	413.1	422.7	443.8	464.9	481.7	488.2	42.4	68.4
15°	338.4	347.0	361.1	392.2	430.5	464.3	478.5	56.8	125.2
20°	281.1	287.1	301.8	336.6	388.5	440.1	463.4	66.4	191.7
25°	236.4	241.8	253.6	284.7	341.2	409.5	441.9	72.2	263.9
30°	204.0	206.7	214.9	239.9	293.5	372.6	416.3	74.8	338.7
35°	175.8	178.5	183.2	201.6	247.9	331.0	384.9	74.5	413.2
40°	156.2	156.9	158.1	169.5	206.1	286.5	345.5	72.1	485.3
45°	143.0	142.2	139.6	143.9	170.0	240.3	296.8	68.2	553.5
50°	139.9	136.3	128.9	125.0	140.5	196.1	247.0	64.4	617.9
55°	142.1	137.0	123.8	111.3	116.1	156.4	194.7	60.8	678.8
60°	138.3	133.4	118.4	100.6	96.3	122.2	147.4	56.5	735.2
65°	122.3	118.7	106.2	88.6	78.9	92.2	106.5	49.6	784.8
70°	99.1	96.0	86.4	72.7	62.1	66.2	72.4	40.3	825.1
75°	77.2	75.5	68.2	57.7	47.1	45.1	46.2	31.4	856.5
80°	60.2	58.5	53.3	43.9	33.2	27.4	25.3	23.3	879.8
85°	45.8	44.8	40.6	32.3	22.0	14.3	10.3	16.6	896.3
90°	34.8	33.6	29.7	22.4	13.8	6.0	0.9	11.3	907.6
95°	29.5	28.4	25.0	19.2	12.4	5.6	0.9	9.6	917.2
100°	28.5	27.2	23.5	18.4	12.5	6.1	0.9	9.2	926.4
105°	26.7	25.7	22.5	18.4	13.1	6.4	0.9	8.8	935.2
110°	25.9	24.6	22.5	19.1	13.8	7.0	0.9	8.6	943.9
115°	25.9	24.8	23.2	20.0	14.4	7.5	0.9	8.6	952.4
120°	26.4	25.5	24.2	20.7	14.8	7.0	0.9	8.4	960.8
125°	27.4	26.5	24.8	20.9	14.8	7.1	0.9	8.1	968.9
130°	27.7	26.6	24.5	20.3	14.3	7.1	1.0	7.5	976.4
135°	27.0	25.7	23.3	19.1	12.5	6.9	1.1	6.6	983.0
140°	25.2	23.8	21.4	17.4	10.4	6.1	1.2	5.4	988.4
145°	22.6	21.3	19.1	14.4	8.9	5.1	1.3	4.2	992.6
150°	19.6	18.2	15.5	10.6	7.6	4.0	1.4	3.0	995.6
155°	14.7	13.4	11.5	8.5	6.9	2.9	1.4	2.0	997.6
160°	11.4	10.7	8.5	7.3	5.5	1.6	1.5	1.2	998.9
165°	8.9	8.5	6.6	5.7	3.8	1.5	1.4	0.7	999.6
170°	6.0	4.8	4.2	3.4	1.5	1.4	1.4	0.3	999.9
175°	1.4	1.4	1.4	1.4	1.4	1.4	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

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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	21.3	23.0	21.7	23.3	23.6	23.0	24.7	23.4	25.0	25.3		
	3H	23.4	24.9	23.8	25.2	25.6	24.2	25.7	24.6	26.1	26.4		
	4H	24.2	25.6	24.6	26.0	26.3	24.7	26.1	25.1	26.4	26.8		
	6H	24.9	26.2	25.3	26.6	27.0	25.0	26.3	25.4	26.7	27.1		
	8H	25.2	26.4	25.6	26.8	27.2	25.2	26.4	25.6	26.7	27.1		
	12H	25.5	26.7	25.9	27.1	27.5	25.2	26.3	25.7	26.7	27.2		
4H	2H	22.0	23.4	22.4	23.7	24.1	23.3	24.7	23.7	25.1	25.4		
	3H	24.2	25.4	24.6	25.8	26.2	24.7	25.9	25.1	26.3	26.7		
	4H	25.2	26.3	25.6	26.7	27.1	25.3	26.3	25.7	26.7	27.2		
	6H	26.0	27.0	26.5	27.4	27.9	25.7	26.6	26.1	27.1	27.5		
	8H	26.4	27.3	26.9	27.7	28.2	25.8	26.7	26.3	27.1	27.6		
	12H	26.8	27.6	27.3	28.0	28.5	26.0	26.7	26.4	27.2	27.7		
8H	4H	25.5	26.3	25.9	26.8	27.2	25.5	26.4	26.0	26.8	27.3		
	6H	26.5	27.2	27.0	27.7	28.2	26.1	26.8	26.5	27.3	27.8		
	8H	27.0	27.7	27.5	28.1	28.7	26.3	26.9	26.8	27.4	27.9		
	12H	27.5	28.1	28.0	28.6	29.1	26.4	27.0	26.9	27.5	28.0		
12H	4H	25.5	26.3	26.0	26.7	27.2	25.6	26.4	26.1	26.8	27.3		
	6H	26.6	27.2	27.1	27.7	28.2	26.2	26.8	26.7	27.3	27.8		
	8H	27.2	27.7	27.7	28.2	28.7	26.4	27.0	26.9	27.5	28.0		

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1476 B = 75	H(C0) = 25 H(C90) = 0	H(C180) = 25 H(C270) = 0
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°		13990.5	14027.3	14133.3	15188.9	19011.1	28858.8	38716.3
50°		14362.0	14136.8	13762.3	14000.4	16816.6	25517.0	35434.0
55°		15475.9	15093.5	14092.3	13387.7	15084.4	22393.1	31299.9
60°		16175.0	15792.0	14556.1	13174.2	13779.3	19605.1	27193.6
65°		15564.5	15329.3	14311.3	12838.9	12688.0	16972.3	23236.0
70°		13944.4	13740.6	12995.1	11904.5	11483.9	14440.8	19532.5
75°		12261.7	12217.8	11703.2	10935.1	10347.4	12157.2	16480.0
80°		11062.6	10986.2	10735.1	9968.2	9069.6	9765.9	13428.8
85°		10067.7	10133.8	10003.8	9256.3	7997.8	7631.6	10905.1

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Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

