

Photometric test report

Family
Scriptus®

Order number: **5MZ312D04WA**
EAN: **4058352065129**

LP number
57360_1



Version	symmetrical design, MLA-optic, direct/indirect wide distribution, UGR≤19
Lamps	1 x LED 4000K / CRI ≥ 80 (unbekannt LED 4000K / CRI = 80)
Controlgear	ECG-DALI
Setting	individual position: only direct light
Rated values	Net luminous flux = 4810 lm Power consumption = 34,6 W Luminous efficacy = 139 lm/W

serial
documentation
25.01.2017

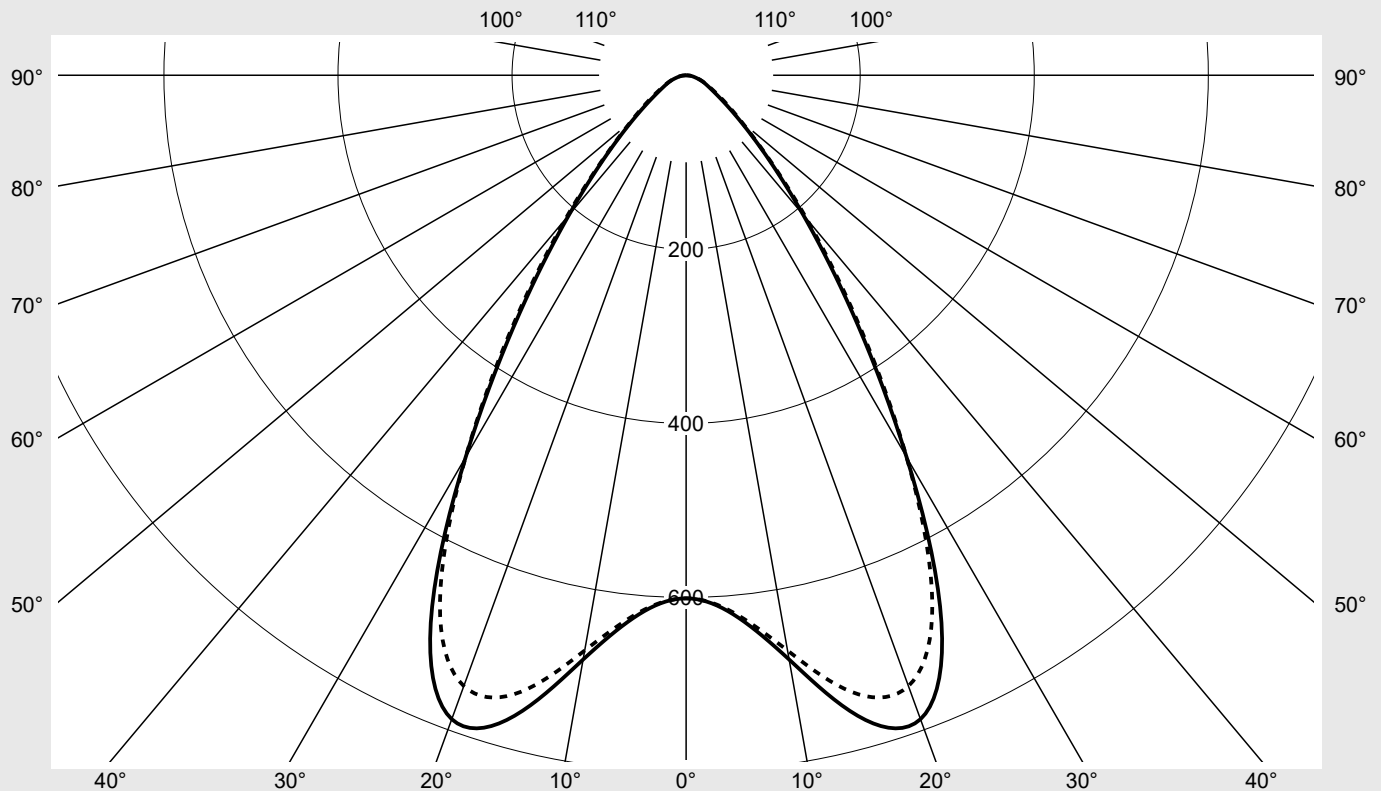
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 790 cd/klm



Classifications

DIN 5040 A 6 0
CIE N1=82 N2=95 N3=99
N4=100 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 100.0%
 ϕ_o 0.0%

Measurement conditions

DIN EN 13032 and DIN 5032

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Family Scriptus®	Order number: 5MZ312D04WA EAN: 4058352065129	LP number 57360_1
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm								Luminous flux in lm/klm	
0°	601.0	601.0	601.0	601.0	601.0	601.0	601.0	3.6	3.6
5°	621.7	620.0	618.9	620.7	619.2	619.0	619.5	29.6	33.2
10°	681.7	679.2	676.9	676.0	672.7	670.5	671.1	64.3	97.5
15°	761.9	760.0	754.5	745.5	739.5	734.0	733.4	106.0	203.4
20°	787.3	790.2	785.7	778.6	764.8	749.9	746.8	144.9	348.3
25°	694.3	700.4	703.6	697.9	691.6	670.3	669.3	160.1	508.4
30°	506.5	511.5	521.0	524.3	523.6	507.0	506.7	141.3	649.7
35°	333.5	335.1	348.5	355.1	352.8	339.3	340.2	108.3	758.0
40°	209.2	212.3	217.7	224.7	222.1	216.0	215.6	76.6	834.7
45°	128.9	129.3	132.0	137.3	137.8	133.9	131.6	51.7	886.4
50°	79.9	79.9	81.7	84.4	85.6	84.4	83.1	34.8	921.2
55°	51.2	52.0	54.0	55.1	55.0	55.7	55.7	24.3	945.5
60°	35.0	36.7	37.3	38.3	38.1	38.0	37.8	17.8	963.3
65°	25.7	26.4	26.6	27.2	27.8	27.3	27.0	13.4	976.7
70°	19.1	18.6	19.8	19.6	19.8	19.6	19.4	10.0	986.7
75°	12.4	13.2	13.9	13.6	12.9	13.2	13.1	7.0	993.7
80°	7.7	8.2	7.8	7.7	7.6	7.9	7.8	4.2	998.0
85°	3.8	3.8	3.6	3.6	3.6	3.7	3.7	2.0	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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UGR-Table	Standard room	siteco								
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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	16.1	17.5	16.5	17.8	18.1	16.3	17.6	16.7	18.0	18.3
	3H	16.5	17.6	16.8	18.0	18.3	16.7	17.8	17.0	18.2	18.5
	4H	16.6	17.7	17.0	18.0	18.4	16.8	17.9	17.2	18.2	18.6
	6H	16.7	17.7	17.1	18.1	18.5	16.9	17.9	17.3	18.3	18.7
	8H	16.9	17.7	17.3	18.1	18.5	17.1	17.9	17.5	18.3	18.7
	12H	16.9	17.7	17.3	18.1	18.5	17.1	17.9	17.5	18.3	18.7
4H	2H	16.2	17.3	16.6	17.7	18.1	16.4	17.5	16.8	17.8	18.2
	3H	16.7	17.6	17.1	18.0	18.4	16.9	17.8	17.3	18.2	18.6
	4H	16.9	17.7	17.4	18.2	18.6	17.1	17.9	17.5	18.3	18.7
	6H	17.1	17.8	17.6	18.3	18.7	17.3	18.0	17.7	18.4	18.9
	8H	17.2	17.9	17.7	18.3	18.8	17.4	18.0	17.8	18.4	18.9
	12H	17.3	17.8	17.8	18.3	18.8	17.5	18.0	18.0	18.4	18.9
8H	4H	17.0	17.6	17.5	18.1	18.6	17.2	17.8	17.6	18.2	18.7
	6H	17.3	17.8	17.8	18.3	18.8	17.4	17.9	17.9	18.4	18.9
	8H	17.4	17.9	17.9	18.3	18.9	17.5	18.0	18.0	18.5	19.0
	12H	17.5	17.9	18.1	18.4	18.9	17.6	18.0	18.2	18.5	19.0
12H	4H	17.1	17.6	17.5	18.0	18.5	17.2	17.7	17.7	18.2	18.7
	6H	17.3	17.7	17.8	18.2	18.7	17.4	17.8	18.0	18.3	18.9
	8H	17.5	17.8	18.0	18.3	18.9	17.6	17.9	18.1	18.4	19.0

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1140 B = 95
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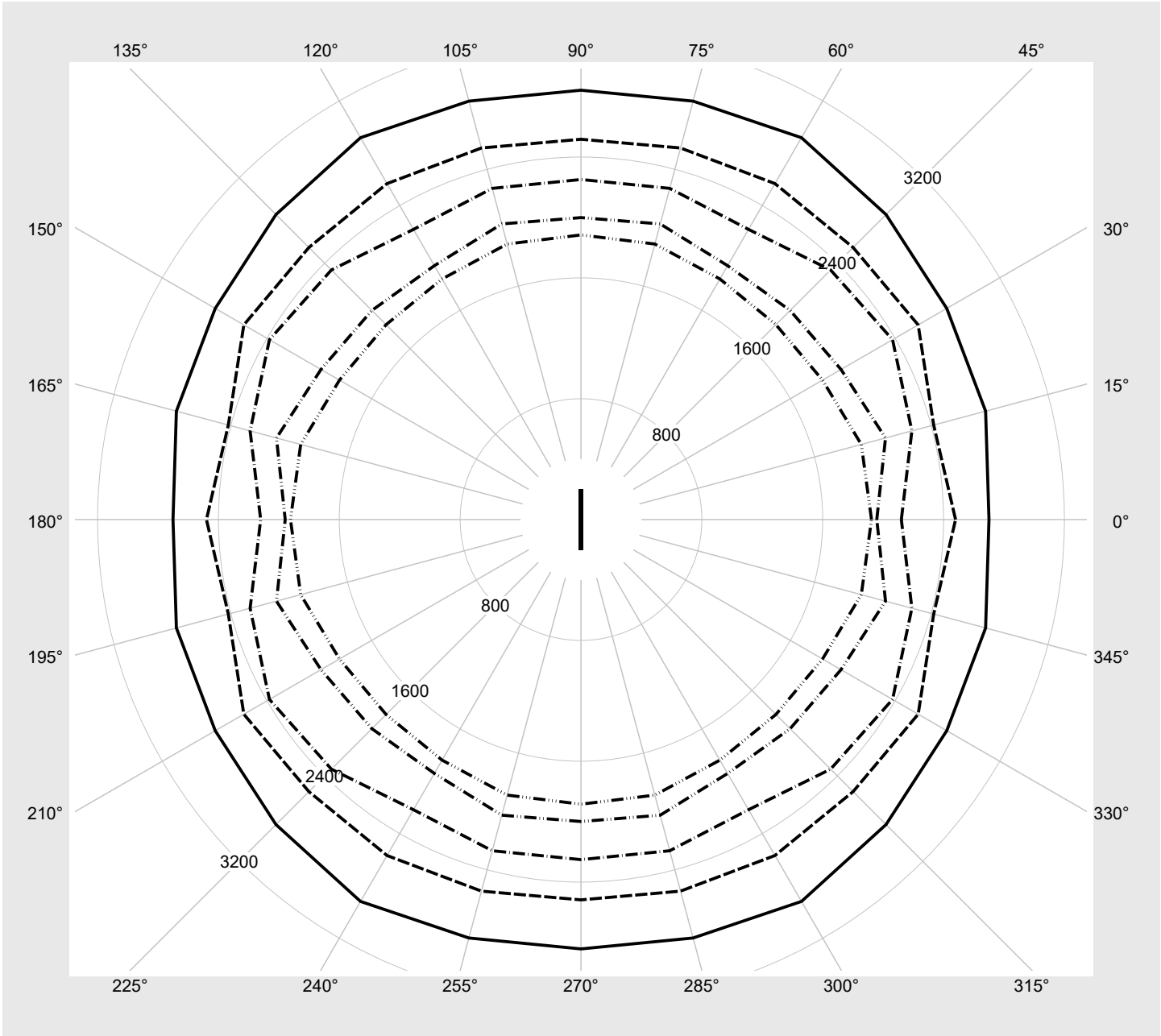
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		8094.4	8118.7	8293.7	8622.4	8657.8	8413.0	8267.0	
50°		5521.4	5523.2	5641.7	5828.5	5916.2	5831.9	5738.9	
55°		3966.0	4023.6	4179.6	4265.2	4261.9	4312.2	4310.3	
60°		3106.1	3257.3	3317.3	3398.8	3381.6	3377.5	3361.8	
65°		2700.9	2773.1	2795.9	2855.8	2919.2	2867.8	2842.5	
70°		2479.6	2417.2	2577.4	2547.4	2568.2	2546.8	2517.8	
75°		2120.6	2267.7	2381.7	2336.9	2218.1	2269.9	2251.4	
80°		1958.2	2087.1	1987.6	1957.9	1941.0	2026.2	1999.1	
85°		1923.2	1921.2	1846.2	1824.8	1839.1	1888.5	1884.5	

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Luminance values in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4810	34.6
95	241	252	4569	32.9
90	228	250	4328	31.2
85	214	248	4088	29.5
80	201	245	3847	27.8
75	188	243	3607	26.1
70	175	241	3366	24.5
65	162	238	3126	22.8
60	150	235	2885	21.2
55	137	231	2645	19.7
50	124	228	2405	18.1
45	112	224	2164	16.5
40	99	220	1924	15.0
35	87	215	1683	13.5
30	75	209	1443	11.9
25	62	202	1202	10.4
20	50	194	962	8.9
15	38	185	721	7.4
10	26	169	481	5.8
5	13	146	239	4.4