

## Photometric test report

Family  
**Scriptus®**



Order number: **5MZ312D0TWB**  
EAN: **4058352198193**

LP number  
**57445\_13**

**Version** symmetrical design, MLA-optic, tunable white, direct/indirect wide distribution, UGR≤19  
**Lamps** LED 3000K + 6500K / CRI ≥ 80 (unbekannt LED 3000K + 6500K / CRI = 80)  
**Controlgear** ECG-DALI  
**Setting** individual position: only direct ratio, 3000K  
**Rated values** Net luminous flux = 4750 lm  
Power consumption = 39.1 W  
Luminous efficacy = 121.5 lm/W

serial  
documentation  
11.08.2017

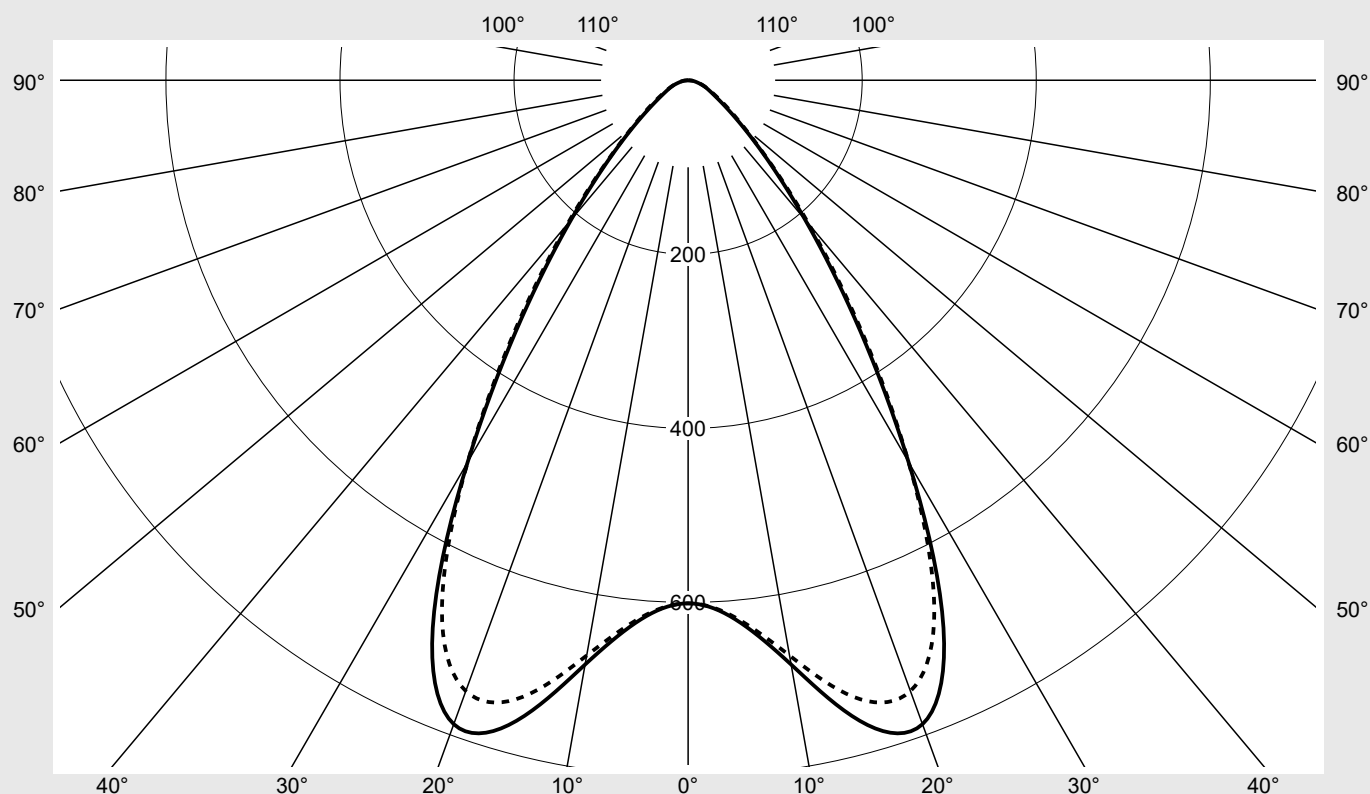
siteco

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

$\eta_{LB}$  100.0%  
 $\phi_u$  100.0%  
 $\phi_o$  0.0%

#### Measurement conditions

DIN EN 13032 and DIN 5032

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>sITeco</b>

C-planes $\gamma$	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	<b>siteco</b>
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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	17.4	16.5	17.7	18.1	16.3	17.6	16.6	17.9	18.2
	3H	16.4	17.6	16.8	17.9	18.3	16.6	17.8	17.0	18.1	18.5
	4H	16.6	17.7	17.0	18.0	18.4	16.8	17.8	17.2	18.2	18.6
	6H	16.7	17.7	17.1	18.0	18.4	16.9	17.9	17.3	18.2	18.6
	8H	16.8	17.7	17.3	18.1	18.5	17.0	17.9	17.4	18.2	18.6
	12H	16.9	17.6	17.3	18.0	18.5	17.0	17.8	17.5	18.2	18.6
4H	2H	16.2	17.3	16.6	17.6	18.0	16.4	17.4	16.8	17.8	18.2
	3H	16.7	17.6	17.1	18.0	18.4	16.8	17.7	17.3	18.1	18.5
	4H	16.9	17.7	17.3	18.1	18.6	17.1	17.9	17.5	18.3	18.7
	6H	17.1	17.8	17.6	18.2	18.7	17.2	17.9	17.7	18.4	18.8
	8H	17.2	17.8	17.7	18.3	18.7	17.3	17.9	17.8	18.4	18.9
	12H	17.3	17.8	17.8	18.3	18.8	17.4	17.9	17.9	18.4	18.9
8H	4H	17.0	17.6	17.5	18.0	18.5	17.1	17.7	17.6	18.2	18.7
	6H	17.3	17.8	17.8	18.2	18.7	17.4	17.9	17.9	18.3	18.9
	8H	17.4	17.8	17.9	18.3	18.8	17.5	17.9	18.0	18.4	18.9
	12H	17.5	17.8	18.0	18.4	18.9	17.6	17.9	18.1	18.5	19.0
12H	4H	17.0	17.5	17.5	18.0	18.5	17.1	17.6	17.6	18.1	18.6
	6H	17.3	17.7	17.8	18.2	18.7	17.4	17.8	17.9	18.3	18.8
	8H	17.4	17.8	17.9	18.3	18.8	17.5	17.9	18.0	18.4	18.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1140 B = 95
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C-planes	$\gamma$	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
Luminance in cd/m²								
45°		7993.4	8017.4	8190.2	8514.9	8549.9	8308.0	8163.9
50°		5452.5	5454.3	5571.3	5755.8	5842.4	5759.2	5667.3
55°		3916.5	3973.5	4127.5	4212.0	4208.7	4258.4	4256.5
60°		3067.4	3216.7	3275.9	3356.4	3339.4	3335.4	3319.9
65°		2667.2	2738.5	2761.0	2820.1	2882.8	2832.1	2807.1
70°		2448.7	2387.0	2545.2	2515.6	2536.1	2515.0	2486.4
75°		2094.2	2239.4	2351.9	2307.7	2190.4	2241.6	2223.3
80°		1933.7	2061.0	1962.8	1933.5	1916.8	2000.9	1974.1
85°		1899.2	1897.2	1823.2	1802.1	1816.2	1865.0	1861.0

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Luminance values in cd/m<sup>2</sup>      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**

