

Photometric test report

Family
Taris®

Order number: 5MT115D04WD
EAN: 4058352219157

LP number
58214_25



Version recessed luminaire, Combined lens and reflector optics, direct distribution, UGR≤19 (L65≤3000cd/m²)

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG-DALI

Rated values Net luminous flux = 3680 lm
Power consumption = 22.2 W
Luminous efficacy = 165.8 lm/W

serial
documentation
16.11.2020

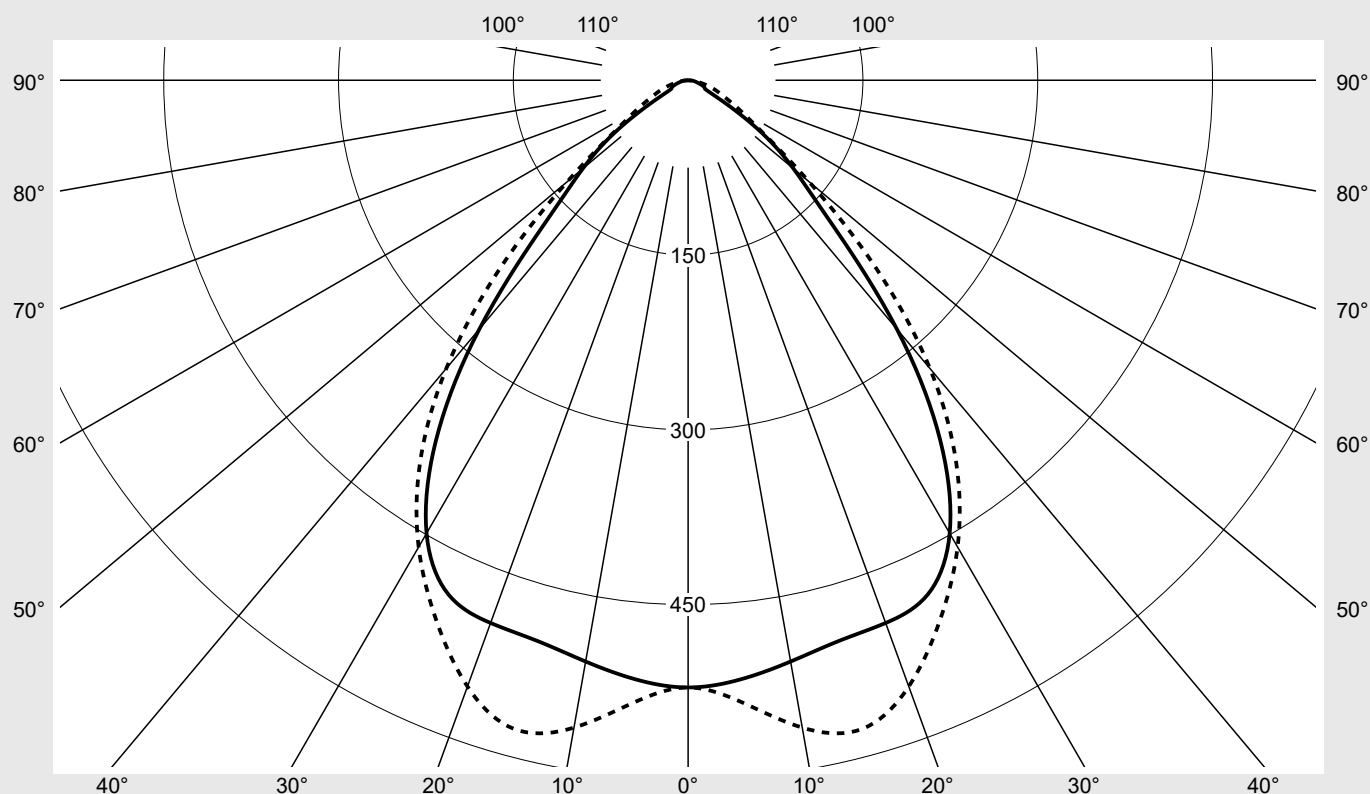
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 576 cd/klm



Classifications

DIN 5040 A 6 0
CIE N1=73 N2=96 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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Table of values for luminous intensities		Maximum luminous intensity
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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°	521.1	521.1	521.1	521.1	521.1	521.1	521.1	3.1	3.1
5°	516.1	520.3	519.9	524.0	528.9	533.3	536.1	25.1	28.2
10°	506.5	516.0	523.6	537.2	550.0	559.8	564.1	51.1	79.3
15°	498.3	513.9	530.8	551.3	564.9	572.7	576.4	77.3	156.7
20°	495.6	516.6	537.6	551.8	554.0	552.4	553.6	101.1	257.8
25°	486.8	512.0	535.3	531.0	517.4	511.0	511.3	119.9	377.7
30°	448.9	484.2	508.6	492.7	472.5	463.1	462.5	131.4	509.1
35°	377.3	415.7	446.9	441.4	421.7	403.5	401.2	132.0	641.1
40°	278.6	308.7	347.0	370.7	352.4	328.2	322.8	117.9	759.0
45°	174.5	195.1	230.9	272.3	262.2	235.2	228.3	90.3	849.2
50°	118.1	127.7	135.1	168.4	160.6	139.4	135.4	60.0	909.3
55°	72.5	79.8	88.9	92.6	82.0	78.0	77.7	37.1	946.4
60°	25.2	27.4	41.0	57.6	48.9	51.3	51.3	20.9	967.3
65°	15.6	15.5	17.0	29.2	33.4	34.9	35.1	12.9	980.2
70°	12.9	12.7	12.0	12.3	22.4	24.9	25.4	8.9	989.1
75°	8.8	8.7	8.3	8.9	9.8	17.1	16.4	5.8	994.9
80°	6.0	5.8	5.4	5.2	5.9	9.3	8.9	3.5	998.4
85°	3.3	3.2	3.0	2.7	2.7	3.1	3.0	1.6	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	17.6	19.0	17.9	19.3	19.6	18.2	19.6	18.5	19.9	20.2
	3H	17.5	18.8	17.9	19.1	19.5	18.4	19.6	18.8	20.0	20.3
	4H	17.5	18.7	17.9	19.1	19.4	18.5	19.7	18.9	20.0	20.4
	6H	17.5	18.6	17.9	19.0	19.4	18.6	19.6	19.0	20.0	20.4
	8H	17.6	18.5	18.0	18.9	19.3	18.7	19.6	19.1	20.0	20.4
	12H	17.6	18.5	18.0	18.9	19.3	18.7	19.5	19.1	19.9	20.3
4H	2H	17.6	18.8	18.0	19.1	19.5	18.2	19.3	18.6	19.7	20.1
	3H	17.6	18.6	18.0	19.0	19.4	18.5	19.5	18.9	19.8	20.3
	4H	17.6	18.5	18.1	18.9	19.3	18.6	19.5	19.1	19.9	20.4
	6H	17.7	18.4	18.1	18.8	19.3	18.8	19.5	19.2	19.9	20.4
	8H	17.7	18.3	18.1	18.8	19.3	18.8	19.5	19.3	19.9	20.4
	12H	17.7	18.3	18.2	18.7	19.2	18.9	19.4	19.3	19.9	20.4
8H	4H	17.6	18.3	18.1	18.7	19.2	18.6	19.2	19.1	19.7	20.2
	6H	17.6	18.2	18.1	18.6	19.2	18.7	19.3	19.2	19.7	20.2
	8H	17.7	18.1	18.2	18.6	19.1	18.8	19.2	19.3	19.7	20.3
	12H	17.7	18.1	18.2	18.6	19.1	18.8	19.2	19.3	19.7	20.2
12H	4H	17.6	18.2	18.1	18.6	19.1	18.6	19.1	19.1	19.6	20.1
	6H	17.6	18.1	18.1	18.6	19.1	18.7	19.2	19.2	19.7	20.2
	8H	17.7	18.1	18.2	18.6	19.1	18.8	19.2	19.3	19.7	20.2

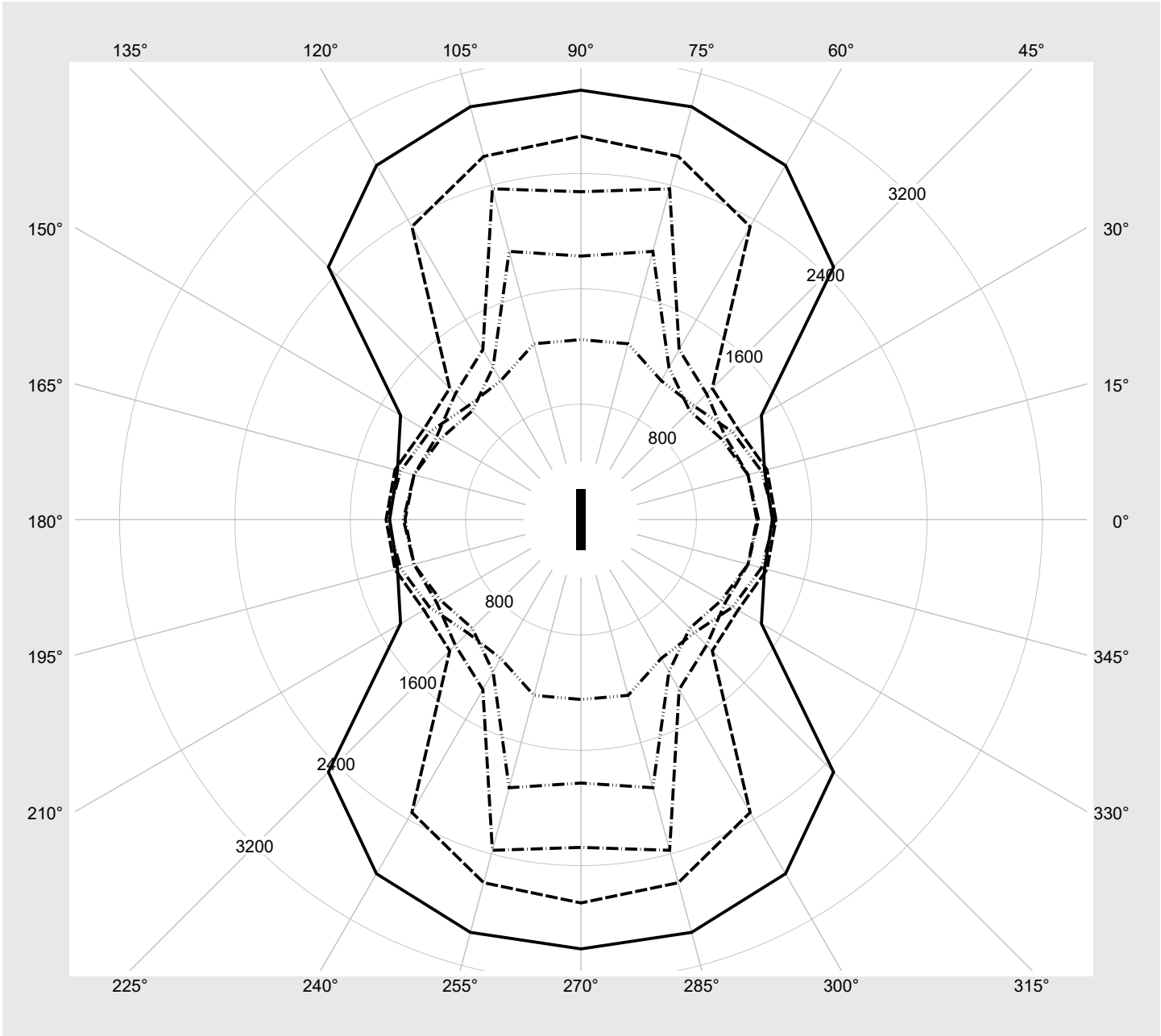
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 925 B = 111
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		8847.0	9889.9	11701.7	13802.9	13292.4	11920.9	11572.5	
50°		6584.1	7119.4	7535.6	9387.6	8953.7	7775.2	7548.7	
55°		4527.9	4987.4	5554.9	5785.8	5126.0	4872.1	4853.1	
60°		1808.3	1964.4	2942.3	4125.6	3507.1	3677.0	3680.4	
65°		1327.0	1317.5	1444.7	2477.0	2836.2	2963.8	2977.5	
70°		1351.6	1335.4	1257.0	1287.4	2345.5	2607.2	2658.8	
75°		1220.0	1198.8	1154.6	1232.5	1361.1	2374.7	2273.4	
80°		1231.2	1199.0	1122.4	1066.1	1219.4	1925.3	1827.3	
85°		1343.5	1295.8	1214.0	1111.1	1112.4	1262.1	1247.7	

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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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	3680	22.2
95	241	252	3499	21.3
90	228	250	3317	20.0
85	214	248	3121	18.9
80	201	246	2938	17.7
75	188	244	2754	16.7
70	176	241	2582	15.7
65	163	239	2397	14.6
60	150	236	2211	13.6
55	137	233	2024	12.5
50	124	230	1836	11.5
45	112	227	1661	10.6
40	99	223	1472	9.4
35	87	219	1294	8.6
30	74	214	1104	7.5
25	62	210	926	6.6
20	49	204	734	5.6
15	37	196	556	4.6
10	24	188	361	3.7
5	12	178	181	2.8
2	6	166	91	2.0