

Photometric test report

Family
Taris®

Order number: 5MT115D03WD
EAN: 4058352219140

LP number
58214_24



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

Lamps LED 3000 K | CRI ≥ 80

Controlgear ECG-DALI

Rated values Net luminous flux = 3420 lm
Power consumption = 22.2 W
Luminous efficacy = 154.1 lm/W

serial
documentation
16.11.2020

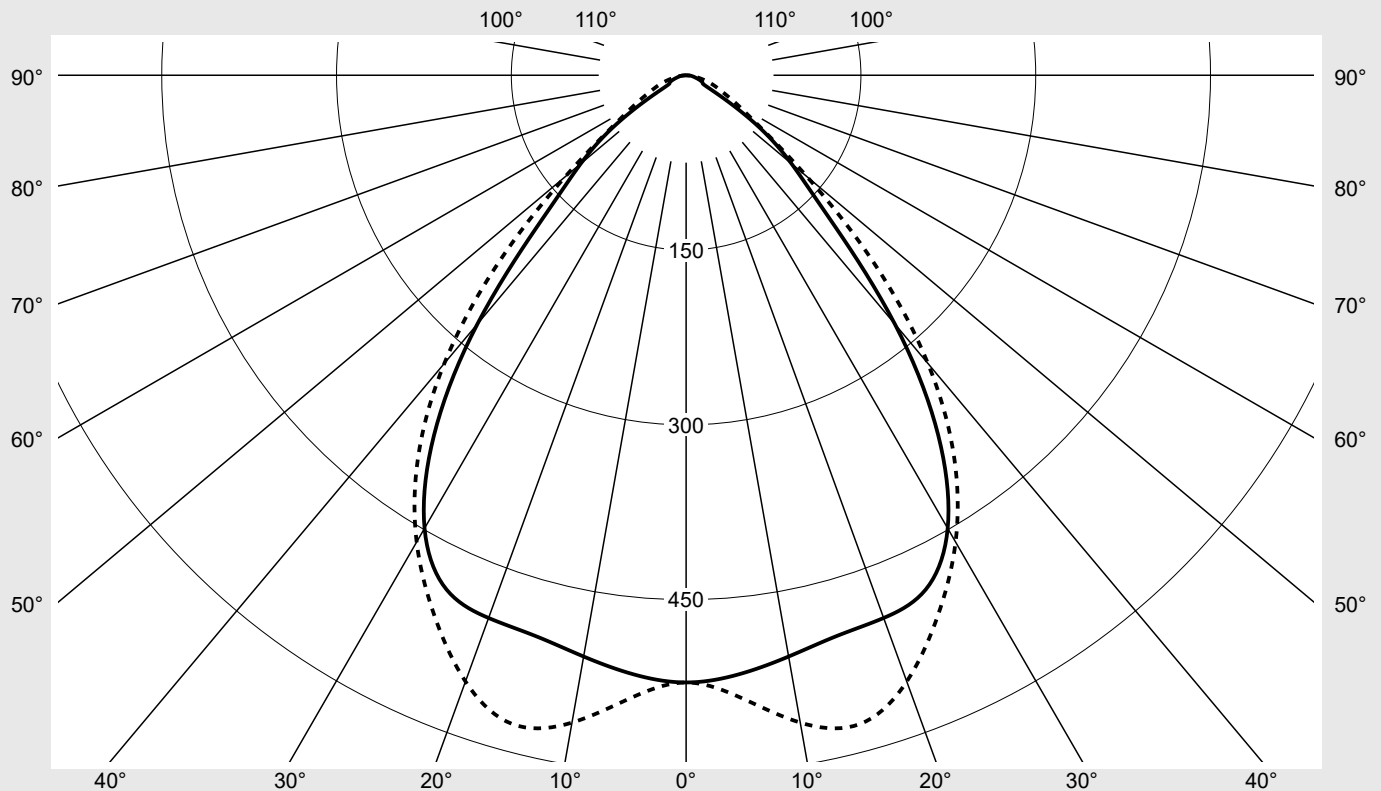
siteco

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
		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°	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	17.3	18.7	17.7	19.0	19.4	17.9	19.3	18.3	19.6	20.0
	3H	17.3	18.5	17.7	18.9	19.2	18.1	19.4	18.5	19.7	20.1
	4H	17.3	18.4	17.7	18.8	19.2	18.3	19.4	18.7	19.8	20.1
	6H	17.3	18.3	17.7	18.7	19.1	18.3	19.4	18.8	19.8	20.1
	8H	17.3	18.3	17.8	18.7	19.1	18.4	19.3	18.8	19.7	20.1
	12H	17.3	18.2	17.8	18.6	19.0	18.4	19.3	18.8	19.7	20.1
4H	2H	17.4	18.5	17.8	18.9	19.3	17.9	19.1	18.3	19.4	19.8
	3H	17.4	18.3	17.8	18.7	19.1	18.2	19.2	18.7	19.6	20.0
	4H	17.4	18.2	17.8	18.6	19.1	18.4	19.2	18.8	19.7	20.1
	6H	17.4	18.1	17.9	18.6	19.0	18.5	19.3	19.0	19.7	20.2
	8H	17.4	18.1	17.9	18.5	19.0	18.6	19.2	19.0	19.7	20.1
	12H	17.5	18.0	17.9	18.5	19.0	18.6	19.2	19.1	19.6	20.1
8H	4H	17.3	18.0	17.8	18.4	18.9	18.3	19.0	18.8	19.4	19.9
	6H	17.4	17.9	17.9	18.4	18.9	18.5	19.0	19.0	19.5	20.0
	8H	17.4	17.9	17.9	18.4	18.9	18.5	19.0	19.0	19.5	20.0
	12H	17.5	17.8	18.0	18.3	18.9	18.6	18.9	19.1	19.4	20.0
12H	4H	17.4	17.9	17.8	18.4	18.9	18.3	18.9	18.8	19.3	19.8
	6H	17.4	17.8	17.9	18.3	18.8	18.5	18.9	19.0	19.4	19.9
	8H	17.4	17.8	17.9	18.3	18.8	18.5	18.9	19.0	19.4	19.9

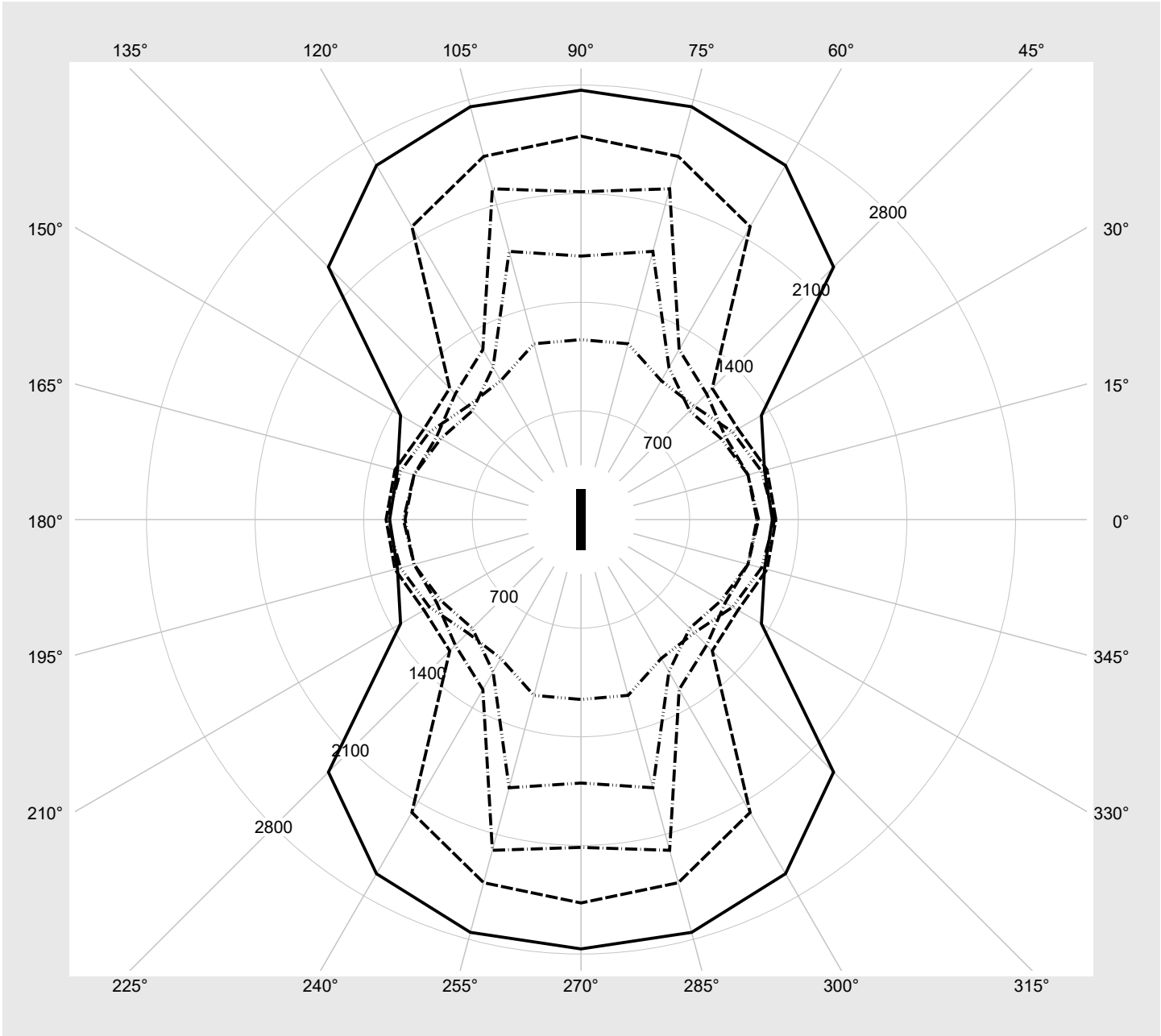
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 925 B = 111
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		8221.9	9191.1	10875.0	12827.7	12353.3	11078.6	10754.9	
50°		6118.9	6616.4	7003.2	8724.3	8321.1	7225.9	7015.3	
55°		4208.0	4635.0	5162.4	5377.0	4763.8	4527.9	4510.3	
60°		1680.5	1825.6	2734.4	3834.1	3259.4	3417.2	3420.4	
65°		1233.2	1224.4	1342.6	2302.0	2635.8	2754.4	2767.1	
70°		1256.1	1241.0	1168.2	1196.4	2179.8	2423.0	2471.0	
75°		1133.8	1114.1	1073.1	1145.4	1265.0	2206.9	2112.8	
80°		1144.2	1114.3	1043.1	990.7	1133.3	1789.3	1698.2	
85°		1248.6	1204.2	1128.2	1032.6	1033.8	1172.9	1159.5	

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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	3420	22.2
95	241	252	3252	21.3
90	228	250	3084	20.0
85	214	248	2901	18.9
80	201	245	2731	17.7
75	188	243	2560	16.7
70	175	240	2389	15.6
65	163	238	2229	14.6
60	150	235	2056	13.6
55	137	231	1882	12.5
50	124	228	1707	11.5
45	112	224	1545	10.6
40	99	219	1369	9.4
35	86	214	1191	8.5
30	74	209	1027	7.5
25	61	202	848	6.5
20	49	194	683	5.6
15	37	183	517	4.6
10	24	168	336	3.7
5	12	142	169	2.8
2	6	117	85	2.0