

Photometric test report

Family
Taris®

Order number: 5MT317D04WD
EAN: 4058352219089

LP number
59090_1



Version Suspended luminaire, Combined lens and reflector optics, direct-/ indirect distribution, $UGR \leq 19$ ($L65 \leq 3000 \text{ cd/m}^2$)

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG-DALI

Rated values Net luminous flux = 7360 lm
Power consumption = 42.7 W
Luminous efficacy = 172.4 lm/W

serial
documentation
18.11.2020

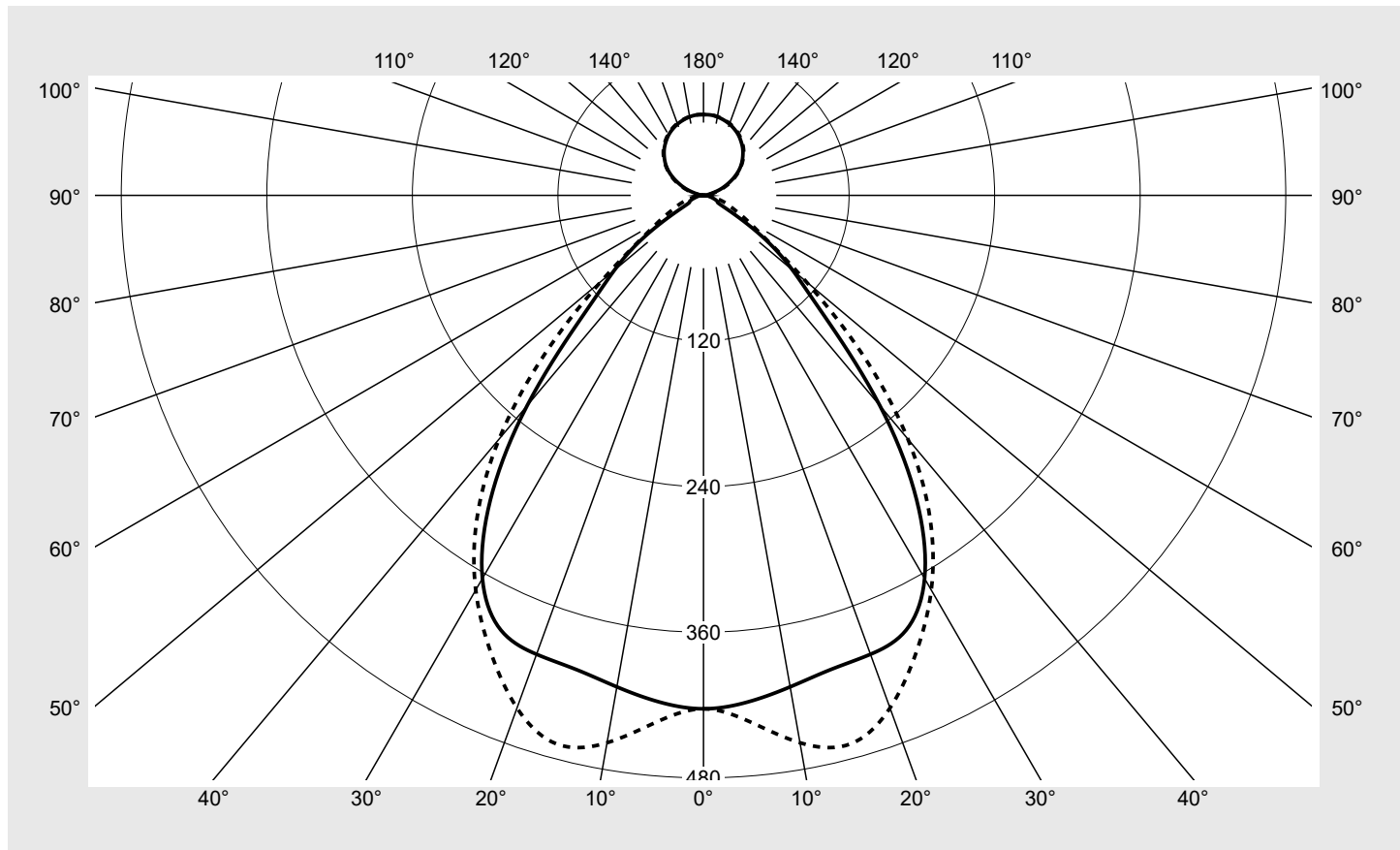
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 468 cd/klm



Classifications

DIN 5040 B 6 3
CIE N1=73 N2=96 N3=99
N4=81 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 81.2%
 ϕ_o 18.8%

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 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°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	2.5	2.5
5°	419.1	422.4	422.2	425.5	429.5	433.0	435.3	20.4	22.9
10°	411.3	419.0	425.1	436.2	446.6	454.5	458.0	41.5	64.4
15°	404.6	417.2	431.0	447.6	458.7	465.0	468.0	62.8	127.2
20°	402.4	419.5	436.5	448.1	449.8	448.6	449.5	82.1	209.3
25°	395.3	415.8	434.7	431.2	420.1	414.9	415.2	97.4	306.7
30°	364.5	393.1	413.0	400.1	383.7	376.0	375.6	106.7	413.4
35°	306.3	337.6	362.8	358.4	342.4	327.6	325.8	107.2	520.6
40°	226.2	250.6	281.8	301.0	286.1	266.5	262.1	95.7	616.3
45°	141.7	158.4	187.5	221.1	212.9	191.0	185.4	73.3	689.6
50°	95.9	103.7	109.7	136.7	130.4	113.2	109.9	48.8	738.3
55°	58.8	64.8	72.2	75.2	66.6	63.3	63.1	30.2	768.5
60°	20.5	22.3	33.3	46.7	39.7	41.7	41.7	17.0	785.5
65°	12.7	12.6	13.8	23.7	27.2	28.4	28.4	10.5	795.9
70°	10.5	10.3	9.7	10.0	18.2	20.2	20.6	7.2	803.1
75°	7.2	7.0	6.8	7.2	8.0	13.9	13.3	4.7	807.8
80°	4.8	4.7	4.4	4.2	4.8	7.6	7.2	2.9	810.7
85°	2.7	2.6	2.4	2.2	2.2	2.5	2.5	1.3	812.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	812.0
95°	1.5	1.5	1.6	1.8	1.8	1.7	1.6	0.9	812.9
100°	3.7	3.8	4.2	4.7	5.2	5.1	5.1	2.5	815.4
105°	8.0	8.4	9.0	9.8	9.9	10.0	10.2	5.0	820.3
110°	14.9	15.3	15.5	15.6	16.0	16.3	16.5	8.1	828.4
115°	21.6	21.9	22.1	22.5	22.7	23.1	23.4	11.2	839.6
120°	28.7	28.9	29.3	29.3	29.4	29.5	29.9	13.9	853.5
125°	35.4	35.7	35.7	35.6	35.5	35.5	36.0	16.0	869.5
130°	41.0	41.2	41.1	41.2	41.0	41.0	41.6	17.3	886.8
135°	45.8	46.1	46.0	46.1	46.0	46.1	46.7	17.9	904.6
140°	50.3	50.5	50.5	50.4	50.3	50.6	51.1	17.8	922.4
145°	54.0	54.5	54.3	54.2	54.2	54.4	54.9	17.1	939.5
150°	57.5	57.7	57.5	57.5	57.5	57.8	58.2	15.8	955.3
155°	60.2	60.5	60.2	60.2	60.3	60.6	60.9	14.0	969.3
160°	62.6	62.7	62.4	62.4	62.6	62.8	63.0	11.7	981.1
165°	64.3	64.5	64.2	64.2	64.3	64.5	64.7	9.1	990.2
170°	65.7	65.8	65.4	65.4	65.5	65.7	66.0	6.2	996.4
175°	66.5	66.5	66.1	66.1	66.2	66.5	66.6	3.2	999.6
180°	66.6	66.6	66.6	66.6	66.6	66.6	66.6	0.4	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	16.4	17.5	17.0	18.1	18.8	17.0	18.1	17.6	18.7	19.4
	3H	16.3	17.3	16.9	17.9	18.6	17.1	18.1	17.8	18.7	19.5
	4H	16.3	17.2	16.9	17.8	18.6	17.2	18.1	17.9	18.8	19.6
	6H	16.2	17.1	16.9	17.7	18.5	17.3	18.1	18.0	18.8	19.6
	8H	16.2	17.0	16.9	17.6	18.4	17.3	18.0	18.0	18.7	19.5
	12H	16.2	16.9	16.9	17.6	18.4	17.3	17.9	18.0	18.6	19.5
4H	2H	16.3	17.3	17.0	17.9	18.7	16.9	17.8	17.6	18.5	19.2
	3H	16.3	17.0	17.0	17.7	18.5	17.2	17.9	17.8	18.6	19.4
	4H	16.3	16.9	17.0	17.6	18.5	17.3	18.0	18.0	18.7	19.5
	6H	16.3	16.9	17.0	17.6	18.4	17.4	18.0	18.1	18.7	19.5
	8H	16.2	16.8	17.0	17.5	18.4	17.4	17.9	18.1	18.6	19.5
	12H	16.3	16.7	17.0	17.5	18.3	17.4	17.9	18.2	18.6	19.5
8H	4H	16.2	16.7	16.9	17.4	18.3	17.1	17.7	17.9	18.4	19.3
	6H	16.2	16.6	16.9	17.3	18.2	17.3	17.7	18.0	18.4	19.3
	8H	16.2	16.6	17.0	17.3	18.2	17.3	17.7	18.1	18.5	19.4
	12H	16.3	16.6	17.0	17.3	18.3	17.4	17.7	18.1	18.4	19.3
12H	4H	16.2	16.6	16.9	17.3	18.2	17.1	17.6	17.9	18.3	19.2
	6H	16.2	16.5	17.0	17.3	18.2	17.3	17.6	18.0	18.4	19.3
	8H	16.2	16.5	17.0	17.3	18.2	17.3	17.6	18.1	18.4	19.3

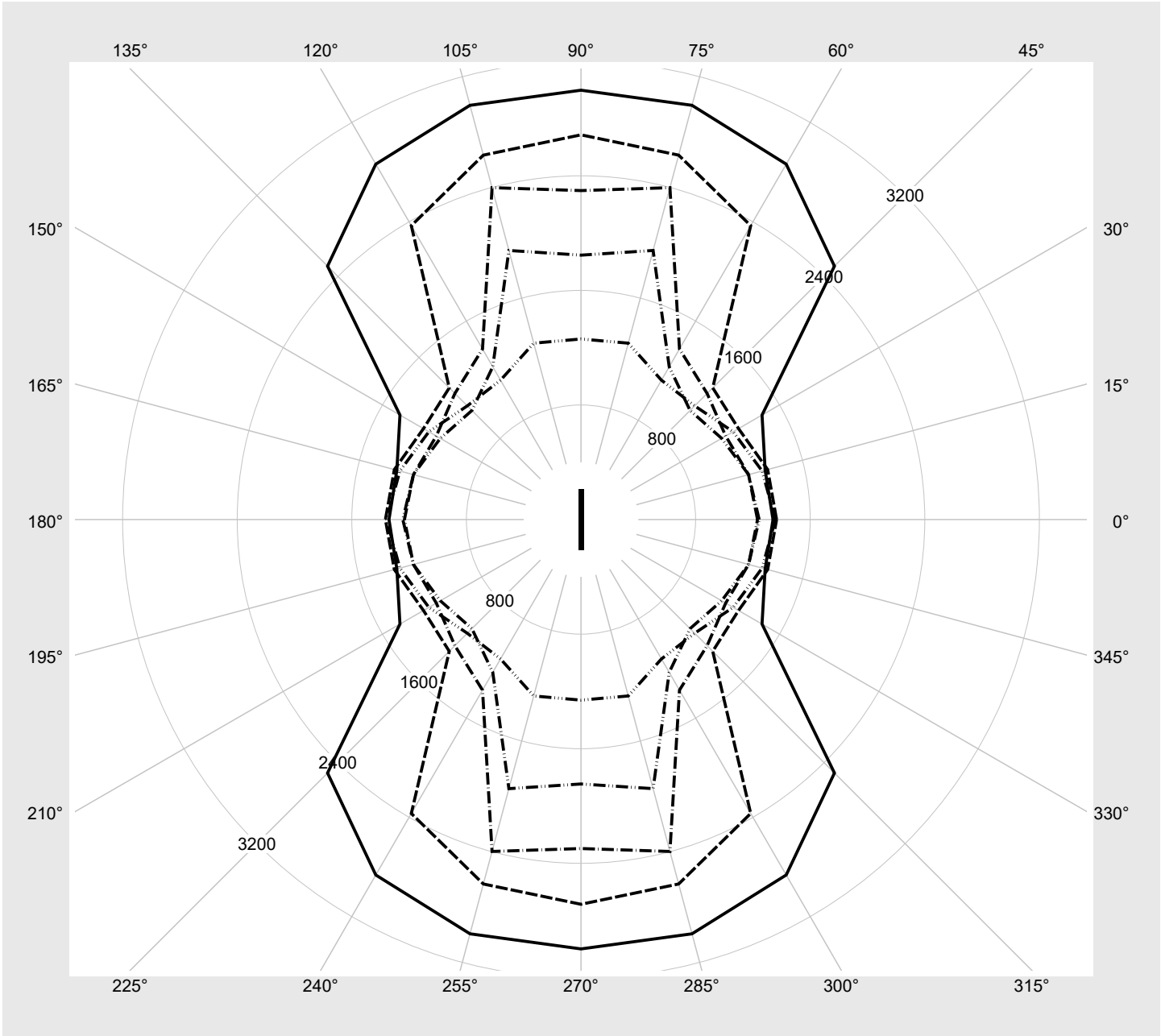
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1487 B = 111
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		8937.3	9990.9	11821.3	13944.0	13428.2	12042.6	11690.7	
50°		6651.3	7192.1	7612.6	9483.5	9045.2	7854.6	7625.8	
55°		4574.2	5038.3	5611.7	5845.0	5178.4	4921.9	4902.8	
60°		1826.8	1984.5	2972.3	4167.8	3543.0	3714.6	3718.1	
65°		1340.5	1330.9	1459.4	2502.3	2865.2	2994.1	2997.6	
70°		1365.4	1349.0	1269.8	1300.5	2369.4	2634.0	2686.0	
75°		1232.5	1211.0	1166.4	1245.1	1375.0	2398.9	2296.7	
80°		1243.9	1211.3	1134.0	1077.0	1231.8	1944.9	1846.0	
85°		1357.3	1309.2	1226.4	1122.5	1123.5	1275.0	1260.6	

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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	7360	42.7
95	241	252	6999	40.5
90	228	250	6635	38.4
85	214	248	6243	36.0
80	201	245	5877	33.8
75	188	243	5508	31.7
70	175	240	5139	29.6
65	163	238	4796	27.6
60	150	235	4423	25.5
55	137	231	4049	23.4
50	124	228	3673	21.3
45	112	224	3324	19.4
40	99	219	2946	17.3
35	87	215	2590	15.4
30	74	209	2208	13.3
25	62	202	1854	11.4
20	49	194	1469	9.3
15	37	183	1111	7.4
10	24	168	723	5.4
5	12	142	363	3.6
2	6	117	183	2.6