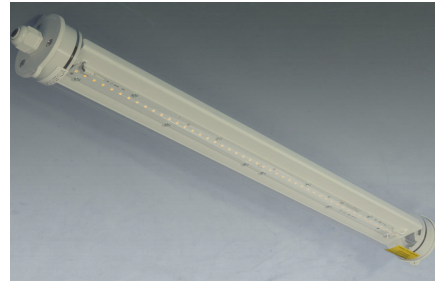


filename : MT70-LED-T2-CL-HO.LDT
 meas. number : 2800
 luminaire number : MT70-LED-T2-CL-HO
 date / operator : 11-12-2018

**default lamp type(s)**

no of lamps	lamp type	luminaire lumens	input wattage
1	LED MODULE	3310 lm	21.6 W

dimensions

luminaire		luminous area	
length	: 645 mm	length	: 585 mm
width	: 70 mm	width	: 70 mm
height	: 70 mm	height	: 35 mm

coordinate system

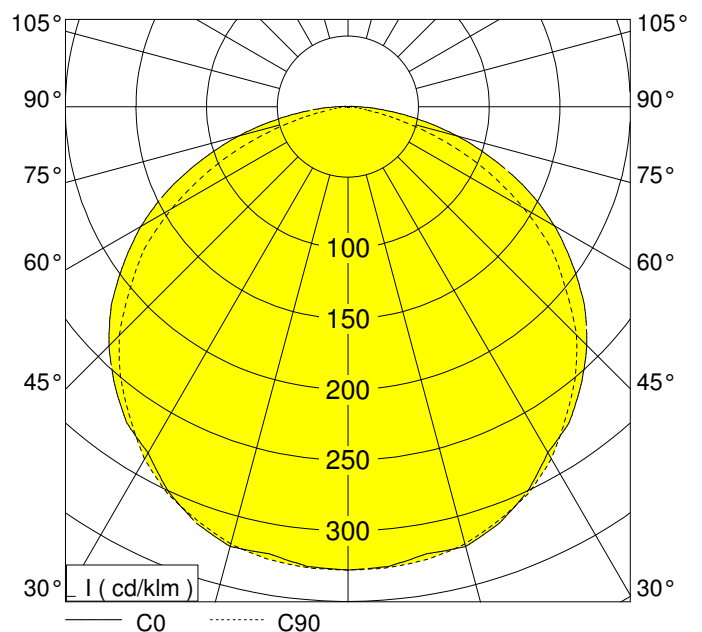
no of planes	: 7	samples / plane	: 37
first c-plane	: 0.0 °	first gamma-angle	: 0.0 °
step angle	: 15.0 °	step angle	: 5.0 °
last c-plane	: 90.0 °	last gamma-angle	: 180.0 °
symmetrics : symmetry to C0 / C90			

performance

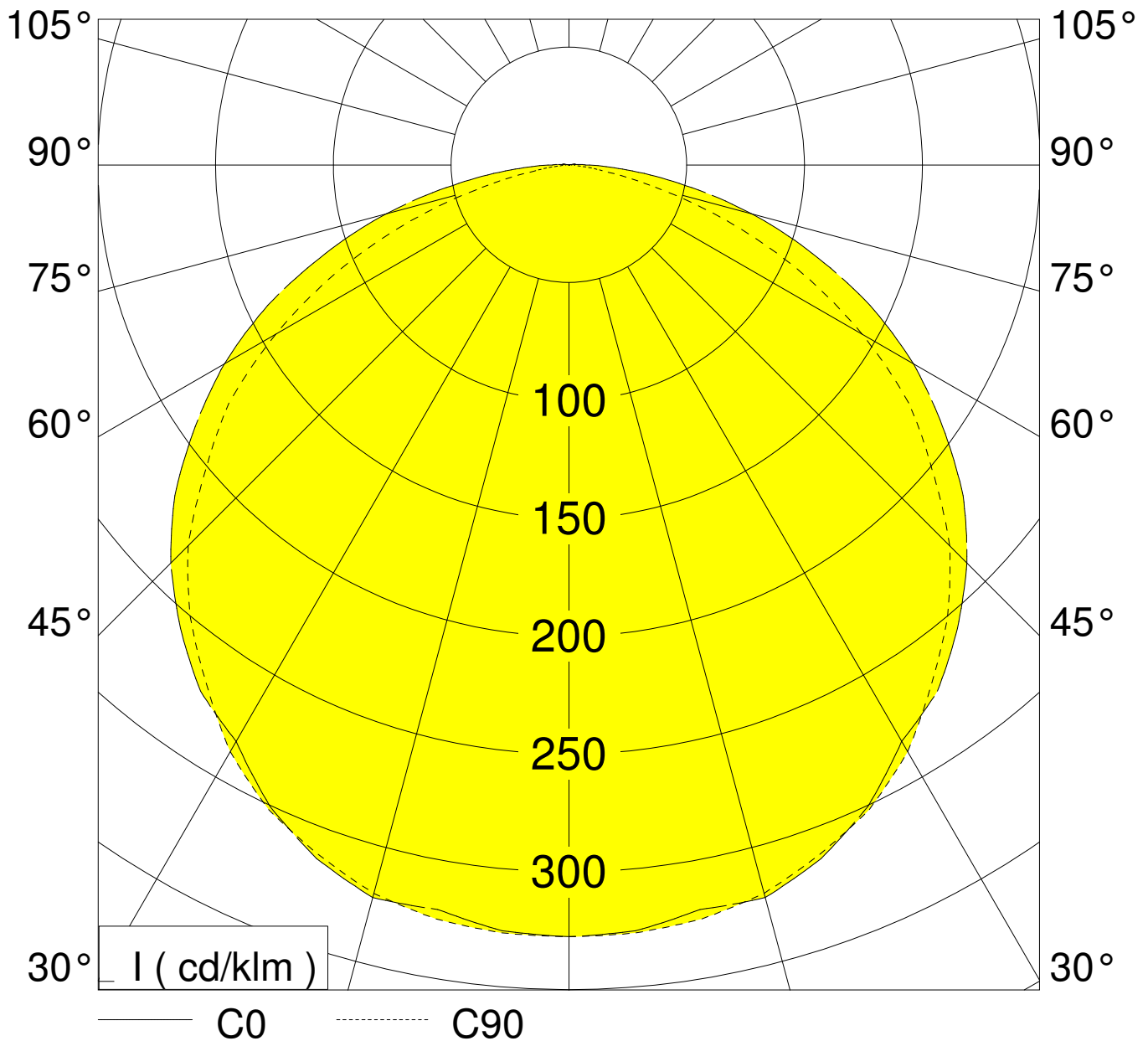
light output ratio : 100.0 %
 DFF : 99.7 %
 UFF : 0.3 %

classification

LiTG / DIN : A40
 UTE : 1.00E+0.00T
 CIE : 46 78 95 100 100
 BZ : 4 5 5 5 5 5 5 5
 Ambient Temperature : 25 degC
 Input Voltage : 240 V
 Circuit Watts : 21.6W
 Amps (running) : 0.094A
 V.A. : 22.5VA
 Power Factor : 0.96
 CCT : 4065K (measured); 4000K (declared)
 CRI (Ra) : 85
 S/P Ratio : 1.7
 Luminaire Lumens : 3310LLm
 Output Current DC : 400mA
 Output Voltage DC : 45.2V
 Output Power : 18.08W
 Luminaire Lm/circ.Watt : 153 LLm/circ.Watt
 Driver Efficiency : 84%
 Driver Details : TRIDONIC LC38W 350-500mA FLEXC 1pADV
 875000497



Measurements made are in absolute units. The luminaire is treated as if it was a lamp as it is not possible to measure each LED separately - hence an LOR of 100%
 The Light output ratio in real terms would be less than 100%. If it was possible to compare real LED lumens with the total output from the luminaire we could obtain an actual LOR
 This also means that the total lumens emitted from the LED's would be greater than the Luminaire Lumens measured. In reality the LED lumens would approximate to this value divided by the actual Light Output.



	C 0.0	C 15.0	C 30.0	C 45.0	C 60.0	C 75.0	C 90.0
0.0°	327.30	327.30	327.30	327.30	327.30	327.30	327.30
5.0°	326.00	326.70	327.30	327.60	327.80	327.30	326.90
10.0°	320.60	321.10	321.60	323.80	326.00	325.40	324.70
15.0°	321.70	321.50	321.30	320.20	319.10	319.40	319.80
20.0°	313.00	309.90	306.70	308.40	310.00	310.60	311.10
25.0°	300.10	301.00	301.80	301.10	300.50	301.00	301.60
30.0°	282.30	283.90	285.50	291.20	296.70	292.00	287.40
35.0°	272.50	271.10	269.80	270.50	271.30	269.80	268.30
40.0°	256.40	255.50	254.70	256.10	257.50	253.70	249.90
45.0°	238.80	237.70	236.70	233.70	230.70	229.60	228.50
50.0°	218.30	216.70	215.10	209.60	204.10	202.60	201.10
55.0°	193.50	192.60	191.60	187.20	182.80	179.40	176.00
60.0°	168.80	166.70	164.70	159.20	153.60	148.60	143.60
65.0°	140.90	139.20	137.50	132.70	127.90	118.80	109.80
70.0°	109.90	109.70	109.60	103.40	97.30	86.00	74.60
75.0°	80.30	77.60	74.90	71.30	67.80	54.20	40.60
80.0°	49.90	47.10	44.30	42.60	41.00	27.70	14.30
85.0°	24.60	22.60	20.60	18.70	16.90	9.70	2.60
90.0°	7.10	6.70	6.20	5.50	4.90	2.40	0.00
95.0°	2.90	2.90	2.90	2.80	2.70	1.30	0.00
100.0°	2.00	2.20	2.40	1.20	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm						

glare rating according to UGR											
ρ-ceiling		70	70	50	50	30	70	70	50	50	30
ρ-walls		50	30	50	30	30	50	30	50	30	30
ρ-workplane		20	20	20	20	20	20	20	20	20	20
room dimensions X Y		viewed crosswise					viewed endwise				
2H	2H	22.7	24.2	23.0	24.4	24.6	23.1	24.6	23.4	24.8	25.0
	3H	23.5	24.6	23.7	24.8	25.0	23.7	24.9	24.0	25.1	25.3
	4H	24.0	25.1	24.3	25.3	25.5	24.1	25.2	24.4	25.5	25.7
	6H	24.3	25.4	24.6	25.6	25.9	24.3	25.3	24.6	25.6	25.8
	8H	24.5	25.5	24.8	25.8	26.0	24.3	25.4	24.6	25.6	25.9
	12H	24.5	25.6	24.9	25.9	26.1	24.3	25.4	24.7	25.6	25.9
4H	2H	22.8	23.9	23.0	24.1	24.3	23.1	24.2	23.4	24.4	24.6
	3H	24.4	25.5	24.8	25.8	26.0	24.6	25.7	25.0	26.0	26.2
	4H	25.2	26.2	25.5	26.5	26.8	25.2	26.3	25.6	26.5	26.8
	6H	25.4	26.2	25.7	26.5	26.8	25.3	26.1	25.6	26.4	26.7
	8H	25.5	26.3	25.9	26.6	27.0	25.3	26.1	25.7	26.5	26.8
	12H	25.8	26.5	26.2	26.9	27.3	25.5	26.3	25.9	26.7	27.1
8H	4H	25.2	26.0	25.6	26.4	26.7	25.3	26.1	25.7	26.4	26.8
	6H	26.0	26.8	26.5	27.2	27.6	25.9	26.7	26.4	27.1	27.5
	8H	26.3	27.0	26.8	27.4	27.9	26.1	26.8	26.6	27.3	27.7
	12H	26.3	26.9	26.8	27.4	27.9	26.1	26.6	26.5	27.1	27.6
12H	4H	25.4	26.2	25.8	26.6	27.0	25.5	26.3	25.9	26.6	27.0
	6H	26.2	26.9	26.6	27.3	27.8	26.1	26.8	26.5	27.2	27.7
	8H	26.3	26.8	26.7	27.3	27.8	26.1	26.7	26.6	27.1	27.6
variation of observer position											
S =	1.0H	+0.1/ -0.1				+0.1/ -0.1					
	1.5H	+0.3/ -0.4				+0.2/ -0.4					
	2.0H	+0.5/ -0.8				+0.6/ -0.9					
standard-table		BK05					BK04				
correction for luminaire		8.8					8.4				
correct glare indices for a total flux of 3310lm											

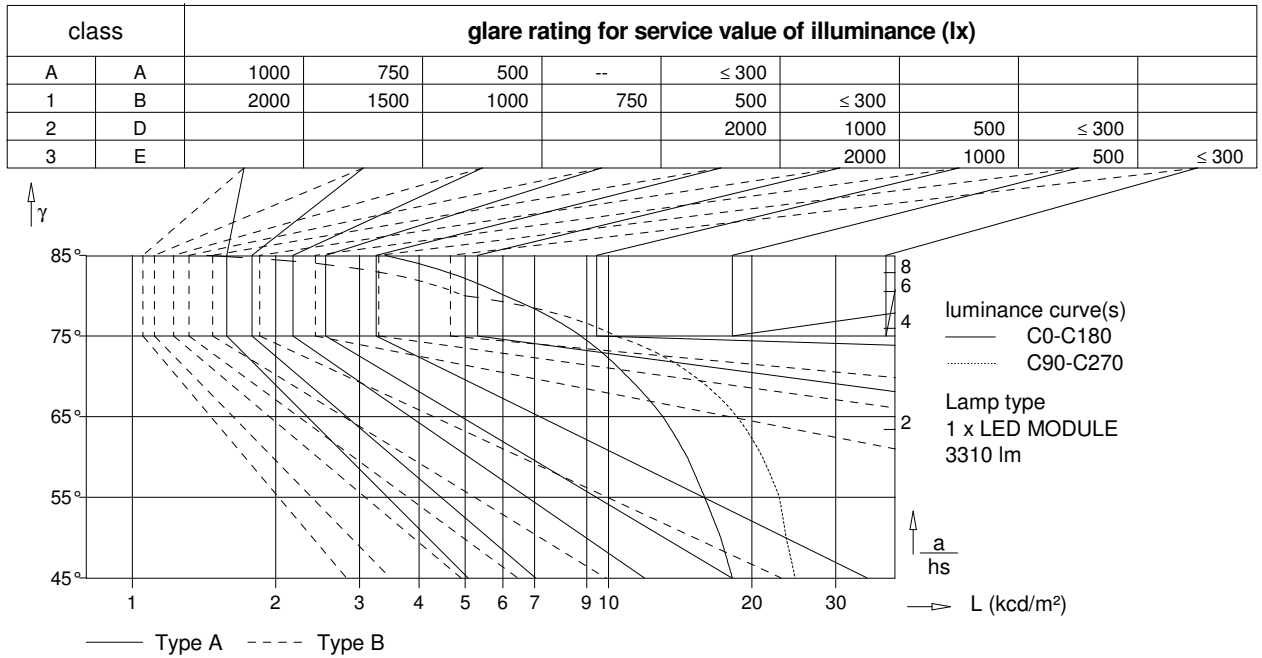


Table of intensities

gamma	C 0	C 90	C 180	C 270
45°	18198.4	24645.6	18198.4	24645.6
50°	17201.3	23605.2	17201.3	23605.2
55°	15908.7	22850.1	15908.7	22850.1
60°	14623.8	21034.7	14623.8	21034.7
65°	13004.5	18612.4	13004.5	18612.4
70°	10941.8	15141.4	10941.8	15141.4
75°	8750.1	10365.2	8750.1	10365.2
80°	6055.7	4970.0	6055.7	4970.0
85°	3397.5	1432.0	3397.5	1432.0

all values in cd/m²

utilization factors / TM5											
reflection			room index								
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
70	50	20	59	67	75	80	87	92	96	100	103
70	30	20	51	59	67	73	81	87	91	96	99
70	10	20	46	54	62	68	76	82	86	92	96
50	50	20	57	65	72	77	84	89	92	96	99
50	30	20	50	58	66	71	79	84	88	93	96
50	10	20	45	53	61	66	74	80	84	90	93
30	50	20	56	63	70	75	81	85	88	92	95
30	30	20	50	57	65	70	77	81	85	89	92
30	10	20	45	53	60	65	73	78	82	87	90
0	0	0	43	50	57	62	69	74	78	82	85
BZ-class			4	5	5	5	5	5	5	5	5
SHRnom : 1.50						SHRmax : 1.658					

