

filename : MT70-T6-CL-HO.LDT
 meas. number : 1475/CL
 luminaire number : MT70-T6-CL-HO
 date / operator : 26-05-2015

**default lamp type(s)**

no of lamps	lamp type	luminaire lumens	input wattage
1	LED PANEL	6665 lm	51.8 W

dimensions

luminaire		luminous area	
length	: 1850 mm	length	: 1750 mm
width	: 70 mm	width	: 70 mm
height	: 70 mm	height	: 70 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			

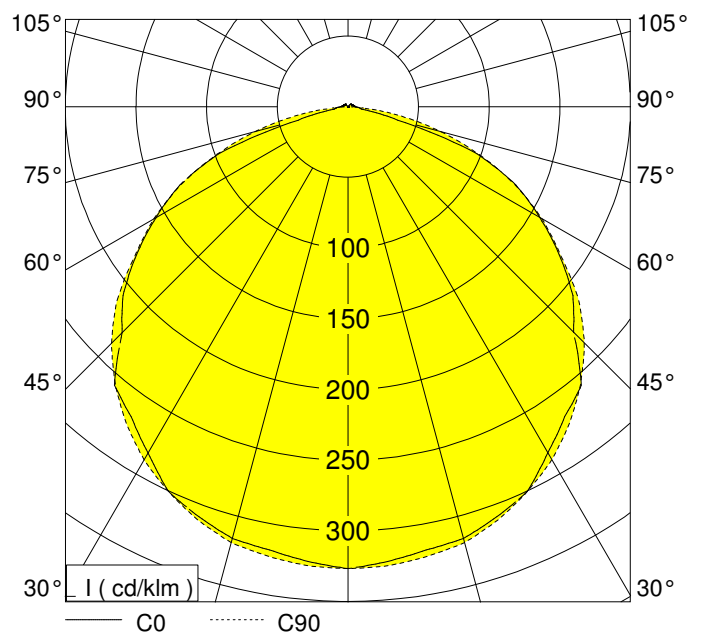
performance

light output ratio : 100.0 %
 DFF : 98.7 %
 UFF : 1.3 %

classification

LiTG / DIN : A41
 UTE : 0.99E+0.01T
 CIE : 46 79 96 99 100
 BZ : 4 5 4 4 4 4 4 4 4

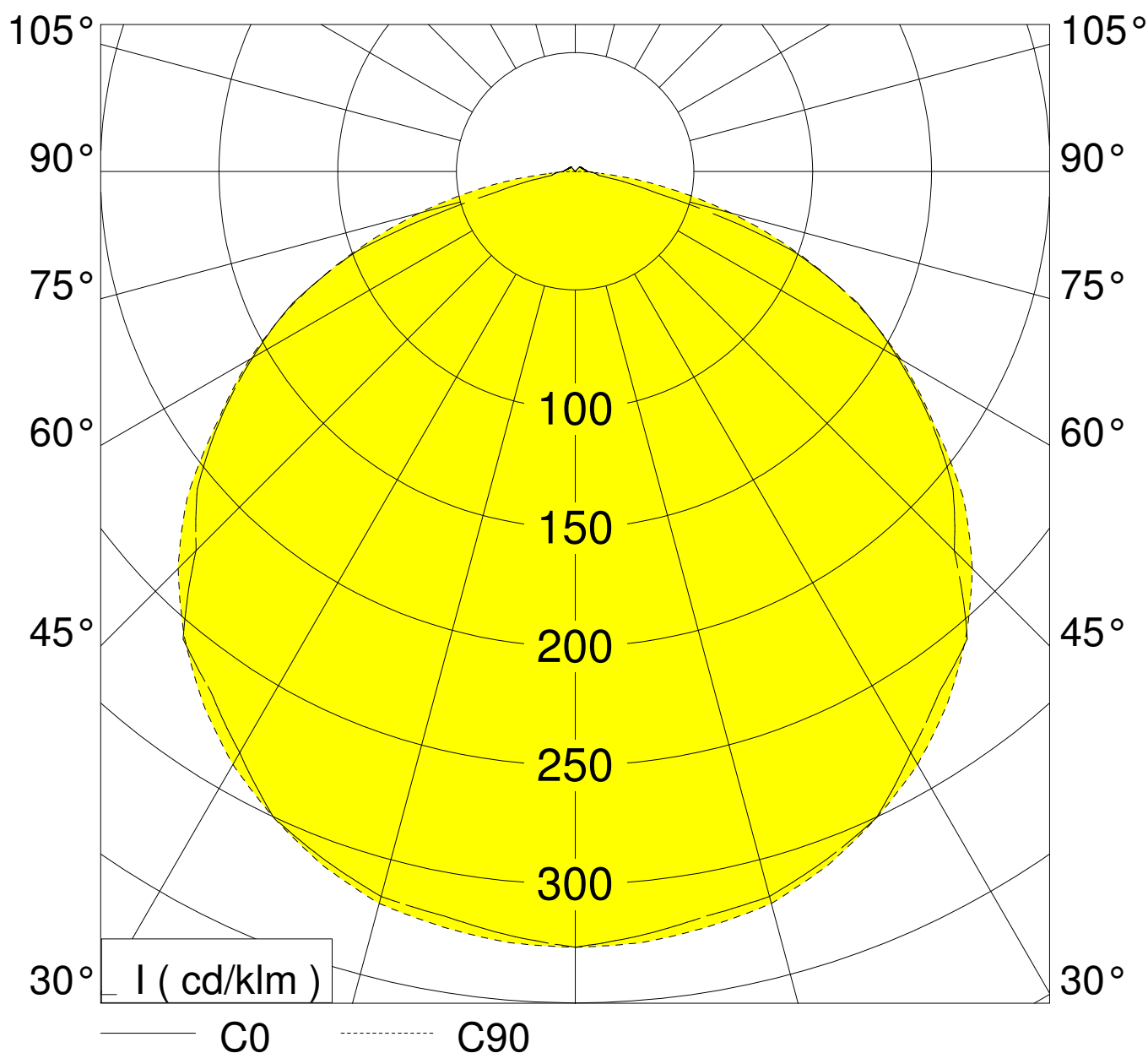
Ambient Temperature : 25 degC
 Input Voltage : 240 V
 Circuit Watts : 51.8 W
 Amps (running) : 0.223 A
 V.A. : 53.40 VA
 Power Factor : 0.97
 CCT : 4142K (measured); 4000K (declared)
 Luminaire Lumens : 6665 Lm
 Output current DC : 250 mA
 Output Voltage DC : 191.8 V
 Output Power : 47.95W
 Luminaire Lm/CircWatt : 128.67Lum Lm/circW
 Driver Efficiency : 92.6 %
 Driver Details : TRIDONIC LCI 65W 150-400mA TOPIP 28000201



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°	326.30	326.30	326.30	326.30	326.30	326.30	326.30
5.0°	322.50	323.70	324.80	325.50	326.30	325.90	325.60
10.0°	318.00	319.10	320.20	322.90	325.50	324.10	322.60
15.0°	315.70	315.70	315.70	318.70	321.80	320.30	318.80
20.0°	308.20	308.50	308.90	309.30	309.70	310.10	310.60
25.0°	300.00	299.50	298.90	300.50	302.00	301.00	300.00
30.0°	282.40	283.50	284.50	286.80	289.10	288.60	288.10
35.0°	267.20	267.90	268.50	272.00	275.50	274.30	273.10
40.0°	256.70	253.10	249.50	253.40	257.30	256.50	255.80
45.0°	225.60	231.10	236.50	238.10	239.90	238.00	236.30
50.0°	207.50	205.60	203.80	210.50	217.10	215.10	213.10
55.0°	182.50	184.10	185.60	188.10	190.50	187.20	183.80
60.0°	156.70	156.30	155.90	159.20	162.40	160.30	158.30
65.0°	131.20	128.80	126.40	132.90	139.40	134.70	130.10
70.0°	97.10	97.00	97.00	99.10	101.10	100.00	98.80
75.0°	36.30	51.90	67.40	71.50	75.50	71.80	68.10
80.0°	10.20	11.00	11.90	28.20	44.40	41.40	38.40
85.0°	8.20	8.30	8.40	13.60	18.90	15.60	12.30
90.0°	5.10	5.20	5.30	5.60	5.80	2.90	0.00
95.0°	4.50	4.50	4.60	4.50	4.40	2.20	0.00
100.0°	4.00	4.10	4.20	4.10	4.10	2.00	0.00
105.0°	3.60	3.80	3.90	3.70	3.60	1.80	0.00
110.0°	3.30	3.50	3.60	3.40	3.20	1.60	0.00
115.0°	3.20	3.30	3.30	3.10	2.80	1.40	0.00
120.0°	2.90	3.00	3.00	2.80	2.60	1.30	0.00
125.0°	2.90	2.80	2.80	2.70	2.50	1.20	0.00
130.0°	2.70	2.80	2.80	2.70	2.50	1.20	0.00
135.0°	2.70	2.80	2.80	2.70	2.50	1.20	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	19.9	21.4	20.1	21.6	21.8	21.7	23.2	22.0	23.4	23.6
	3H	20.4	21.5	20.6	21.7	21.9	22.6	23.8	22.9	24.0	24.2
	4H	20.6	21.7	20.9	21.9	22.2	23.3	24.4	23.5	24.6	24.8
	6H	20.6	21.6	20.9	21.9	22.1	23.7	24.7	24.0	25.0	25.2
	8H	20.6	21.7	20.9	21.9	22.2	23.8	24.8	24.1	25.1	25.4
	12H	20.6	21.7	21.0	21.9	22.2	23.9	24.9	24.2	25.2	25.5
4H	2H	20.0	21.1	20.3	21.4	21.6	21.5	22.6	21.8	22.8	23.0
	3H	21.4	22.4	21.7	22.7	23.0	23.3	24.3	23.6	24.6	24.9
	4H	21.8	22.8	22.1	23.1	23.4	24.1	25.1	24.5	25.4	25.7
	6H	21.6	22.4	22.0	22.8	23.1	24.4	25.2	24.8	25.5	25.9
	8H	21.6	22.4	22.0	22.8	23.1	24.6	25.4	25.0	25.7	26.1
	12H	21.8	22.5	22.2	22.9	23.4	24.8	25.6	25.3	26.0	26.4
8H	4H	21.9	22.7	22.3	23.0	23.4	24.0	24.8	24.4	25.2	25.5
	6H	22.2	22.9	22.7	23.4	23.8	24.9	25.6	25.4	26.0	26.5
	8H	22.3	23.0	22.8	23.5	24.0	25.2	25.9	25.7	26.4	26.9
	12H	22.2	22.8	22.7	23.3	23.8	25.2	25.8	25.7	26.3	26.8
12H	4H	22.1	22.8	22.5	23.2	23.7	24.2	25.0	24.6	25.4	25.8
	6H	22.4	23.1	22.9	23.5	24.0	25.0	25.7	25.5	26.2	26.7
	8H	22.3	22.8	22.8	23.3	23.9	25.1	25.7	25.6	26.2	26.7
variation of observer position											
S =	1.0H	+0.2/ -0.3				+0.1/ -0.1					
	1.5H	+0.4/ -0.7				+0.3/ -0.3					
	2.0H	+0.7/ -1.2				+0.8/ -0.9					
standard-table		BK03					BK05				
correction for luminaire		4.4					7.9				
correct glare indices for a total flux of 6665lm											

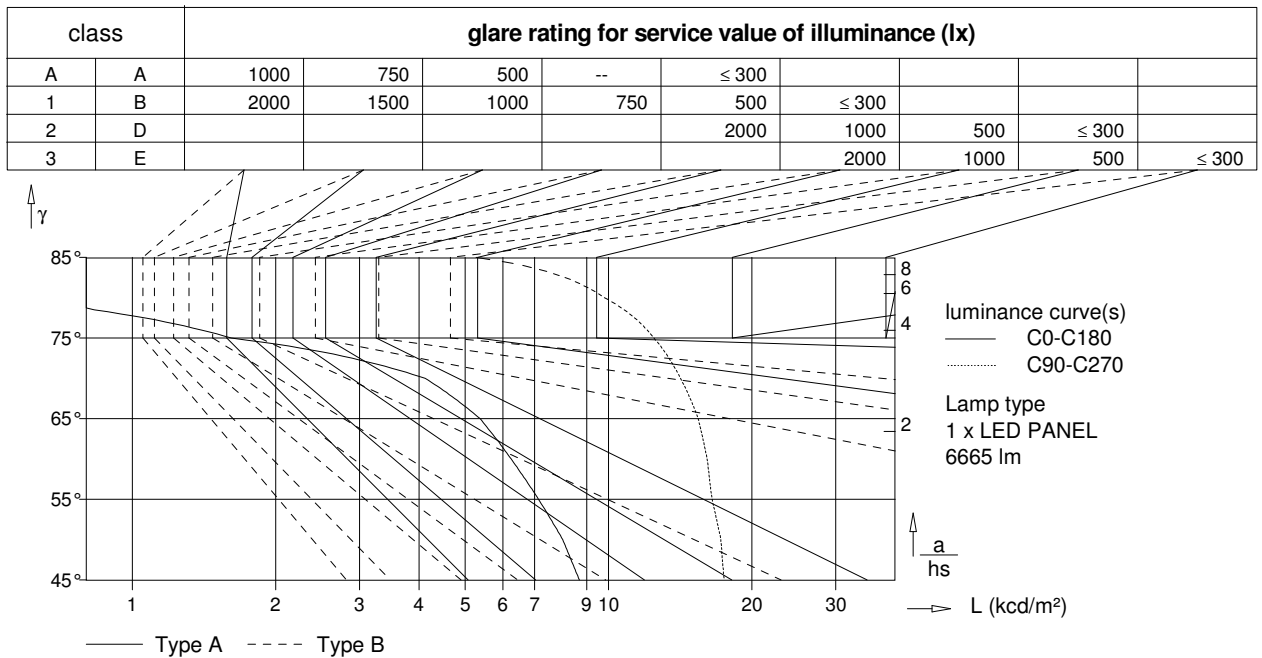


Tabelle der berechneten Leuchtdichten

gamma	C 0	C 90	C 180	C 270
45°	8679.4	17482.7	8679.4	17482.7
50°	8013.5	17216.9	8013.5	17216.9
55°	7129.5	16492.7	7129.5	16492.7
60°	6241.3	16109.5	6241.3	16109.5
65°	5371.5	15425.9	5371.5	15425.9
70°	4121.9	14160.7	4121.9	14160.7
75°	1612.6	12456.3	1612.6	12456.3
80°	479.1	9806.9	479.1	9806.9
85°	411.8	5269.3	411.8	5269.3

alle Werte 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	60	68	73	81	87	91	96	100
70	10	20	46	54	62	68	76	82	87	93	97
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	67	75	80	84	90	93
30	50	20	55	63	70	75	81	85	88	92	95
30	30	20	49	57	64	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	4	4	4	4	4	4	4
SHRnom : 1.50						SHRmax : 1.659					

