

## 96541889 COLLEGE LED3700-840 L1200 E2 PC CL

LED 50W LED_3710			IP44	IK05		850°C
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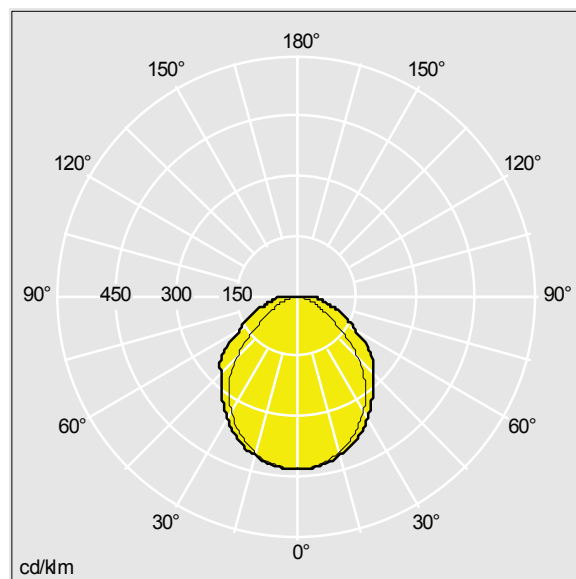
## College

A high performance, surface mounted, LED luminaire.  
Electronic, fixed output control gear with 2 hour, manual test, emergency lighting circuit. Class I electrical, IP44.  
Body: white painted steel. End caps: white polycarbonate with a curved, precision clear prismatic polycarbonate.  
Ø21.5mm cable entry hole in the centre of the back spine with optional cable entry through each end cap. Fitting supplied with sealing grommets and innovative "quick fix" horseshoe and sliding washers for direct screw fixing to surface, fixing centres 1150mm. Standard BESA fixings. Can be suspended using wire suspension accessory kit (to be ordered separately). 4 x 2 x 2.5mm<sup>2</sup> piano key terminal block. Complete with 4000K LED

Dimensions: 1220 x 217 x 90 mm  
Total power: 50 W  
Weight: 4.5 kg



TLG\_CLLG\_F\_P1.jpg



TLAU\_96540786.ltd

Lamp position: STD - standard  
Light Source: LED  
Total luminous flux\*: 3710 lm  
Luminaire efficacy\*: 75 lm/W  
Lamp efficacy: 74 lm/W

Rated median useful life\*: 50000h at 25°C  
Ballast: 1x HF\_ Tridonic LCI  
Luminaire input power\*: 50 W  
Dimming: Fixed output  
LOR: 1,01 ULOR: 0,01 DLOR: 1,00

All values marked with an \* are rated values. Thorn uses tried and tested components from leading suppliers, however there may be isolated instances of technology-related failures of individual LEDs during the rated product lifetime. International standards set the tolerance in initial flux and connected load at  $\pm 10\%$ . Colour temperature is subject to a tolerance of up to  $\pm 150$  Kelvin from the nominal value. Unless stated otherwise, the values apply to an ambient temperature of 25°C.

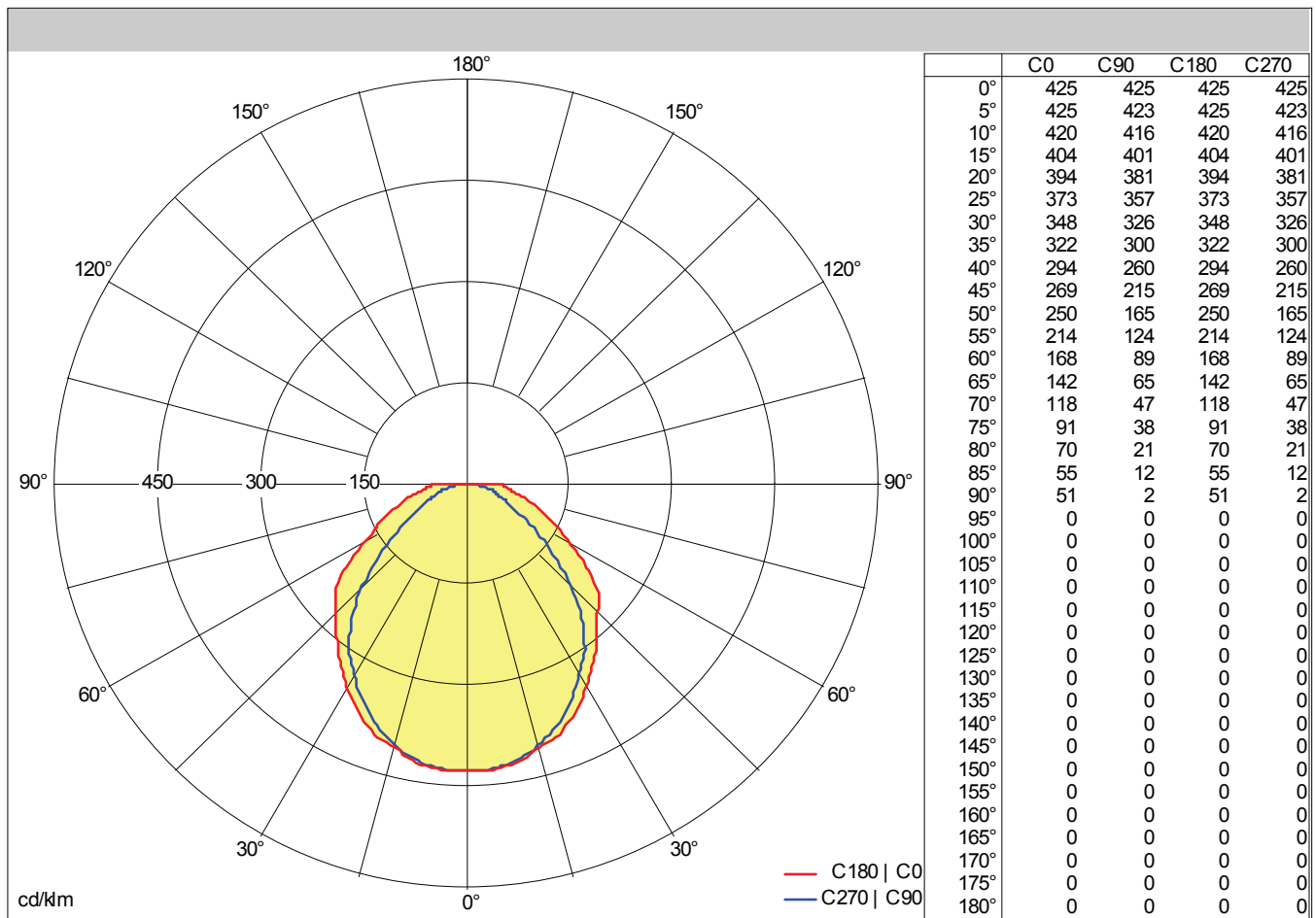
In most products the failure of one LED point causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

Thorn Lighting is constantly developing and improving its products. The right is reserved to change specifications without prior notification or public announcement.

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Light output ratio		Glare Evaluation		Classification	
LOR	101 %	X = 4 H, Y = 8 H	S = 1.00 H	LiTG	A40
ULOR	1 %	Reflection factors	70/50/20	EN	
DLOR	100 %	UGR transversal	22	BZ	BZ3/1.5/BZ4
FFR	0.01 (1:99)	UGR axial	16	UTE	1.00 D + 0.01 T
BLF	1.00	according to AS1680.1		CIE Flux Codes	53 82 94 99 101

Utilization Factors									
Room Reflectance Ceiling/Walls/Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
70 / 50 / 20	65	72	79	84	90	95	98	102	105
70 / 30 / 20	57	65	72	77	85	89	93	98	101
70 / 10 / 20	52	60	67	72	80	85	89	94	98
50 / 50 / 20	63	70	77	81	87	91	94	98	100
50 / 30 / 20	56	64	71	76	82	87	90	95	97
50 / 10 / 20	52	59	66	71	78	83	87	92	95
30 / 50 / 20	61	68	75	79	84	88	91	94	96
30 / 30 / 20	56	63	69	74	80	84	87	91	94
30 / 10 / 20	51	59	65	70	77	81	85	89	92
0 / 0 / 0	49	56	63	67	73	77	80	85	87
According to CIBSE Technical Memorandum No. 5 1980						SHR Nom =	1.50		
						SHR Max =	1.51		
						SHR Max TR =	1.74		

Photometric data file: TLAU\_96540786.lgt