

Polar 2 LED

THORN

96542884 PO2 LED3500-840 12x3 HFIX D8

LED 32W LED_3450	AS/NZS 60598		IP20		
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Polar 2 LED

A recessed LED luminaire with 3450lm light engine. Electronic, DALI dimmable control gear. Class I electrical, IP20. Body: white painted steel. Diffuser: MicroPrismatic. Suitable for recessed mounting in most exposed tee ceilings (15 and 24mm), surface mounting with MCE kit accessory. Fitted with flex and plug. Complete with 4000K LED

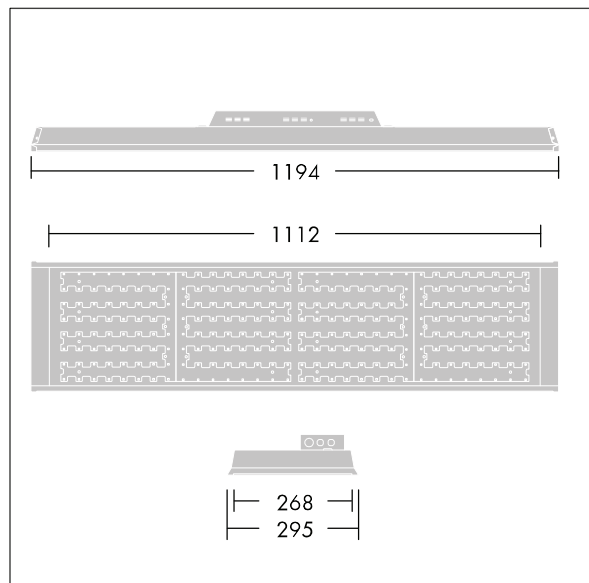
Dimensions: 1195 x 295 x 92 mm

Total power: 32 W

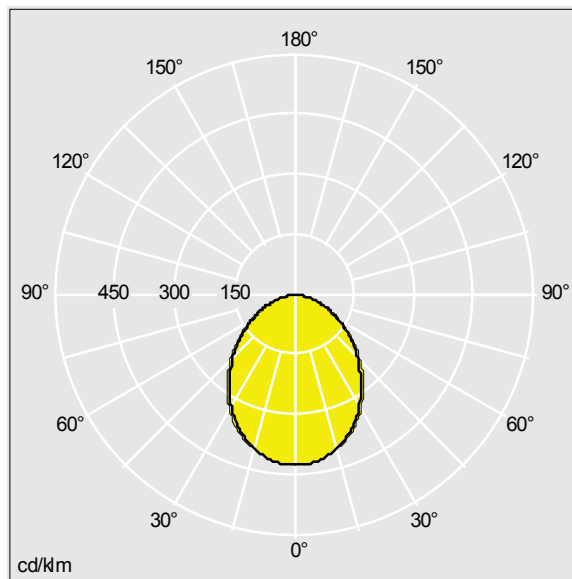
Weight: 5 kg



TLA_POL2_F_PDB.jpg



TLG_POL2_M_LD1.wmf



TLA_96542884.idt

Lamp position: STD - standard
Light Source: LED
Total luminous flux*: 3450 lm
Luminaire efficacy*: 108 lm/W
Lamp efficacy: 108 lm/W
Colour Rendering Index min.: 80
LOR: 1,00 ULOR: 0,01 DLOR: 0,99

Correlated colour temperature*: 4000 Kelvin
Rated median useful life*: 50000h L70 at 25°C
Ballast: 1x HFI* Xitanium
Luminaire input power*: 32 W
Dimming: DALI2 dimmable to 10%
Maintenance category: D - Enclosed IP2X

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 ± 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.

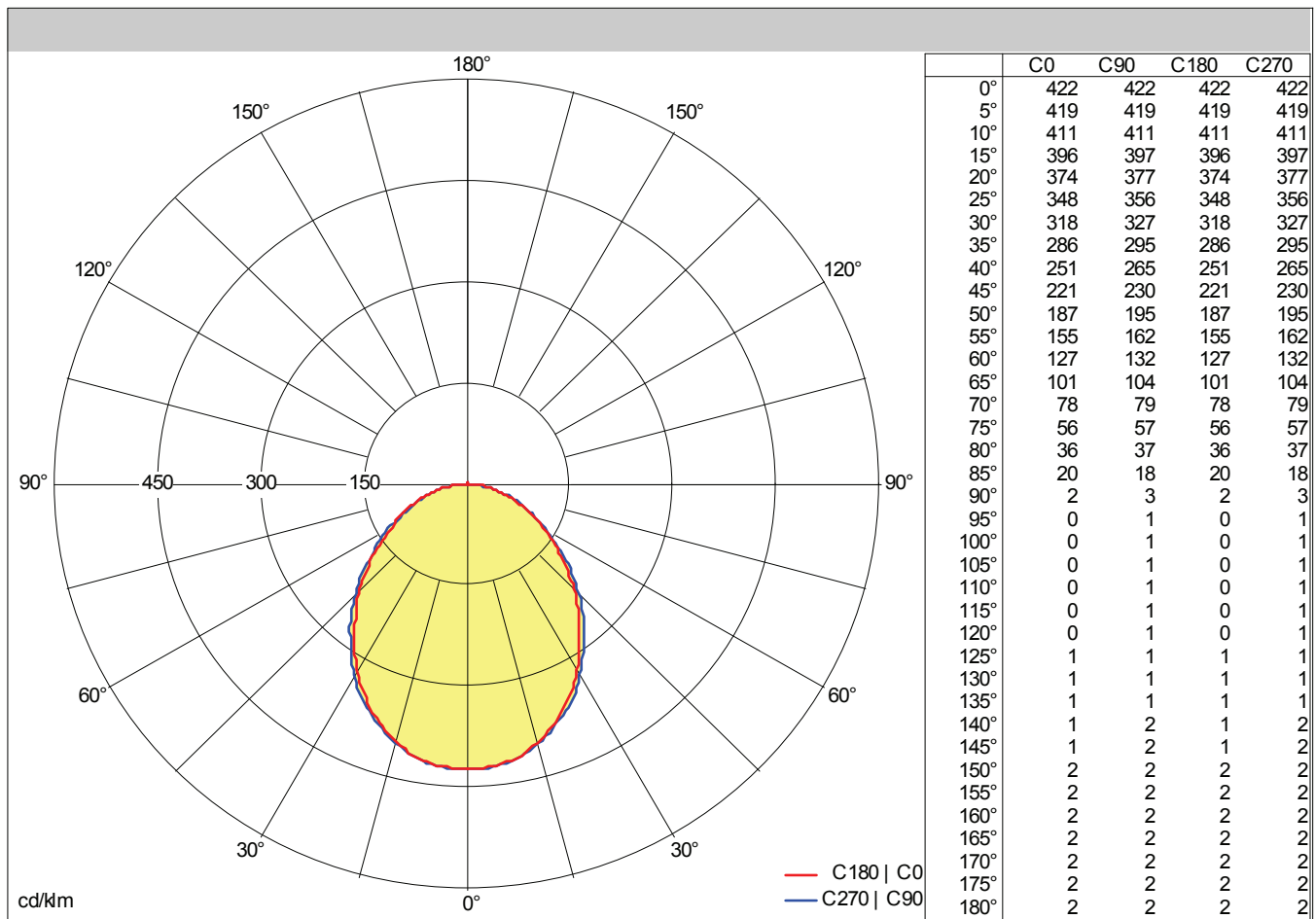
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Light output ratio		Glare Evaluation		Classification	
LOR	100 %	X = 4 H, Y = 8 H	S = 1.00 H	LiTG	A42
ULOR	1 %	Reflection factors	70/50/20	EN	65° < 3000cd/m²
DLOR	99 %	UGR transversal	19	BZ	BZ3/1.5/BZ4
FFR	0.01 (1:99)	UGR axial	19	UTE	0.99 D + 0.01 T
BLF	1.00	according to AS1680.1		CIE Flux Codes	52 81 96 99 100

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	60	70	77	82	88	93	96	101	103
70 / 30 / 20	52	62	70	75	83	88	92	97	100
70 / 10 / 20	47	57	64	70	78	83	88	93	97
50 / 50 / 20	58	68	74	79	85	90	93	97	99
50 / 30 / 20	52	61	68	73	80	85	89	93	96
50 / 10 / 20	47	56	63	69	76	81	85	91	94
30 / 50 / 20	57	66	72	76	82	86	89	93	95
30 / 30 / 20	51	60	67	72	78	83	86	90	93
30 / 10 / 20	46	56	63	68	75	79	83	88	91
0 / 0 / 0	44	53	60	64	71	76	79	83	86

According to CIBSE Technical Memorandum No. 5 1980

SHR Nom = 1.25
SHR Max = 1.43
SHR Max TR = 1.56

Photometric data file: TLA_96542884.ltd