

Voyager Solid

THORN

96629764 VOYAGER SOLID L MS E3-S WH

LED 2W VYSO_OP_L	IEC EN 60598-1 RG 1	IP65	IK07	CE	T _a 5/40	
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Voyager Solid

Surface mounted LED emergency lighting luminaire for ceiling and wall. Electronic, fixed output control gear with 3 hour, manual test, emergency lighting circuit. Body: large size, white polycarbonate. Cover: transparent polycarbonate. Class II electrical (this product is not earthed), IP65. Internal ISO legends available for 26m viewing distance (96629768, to be ordered separately).

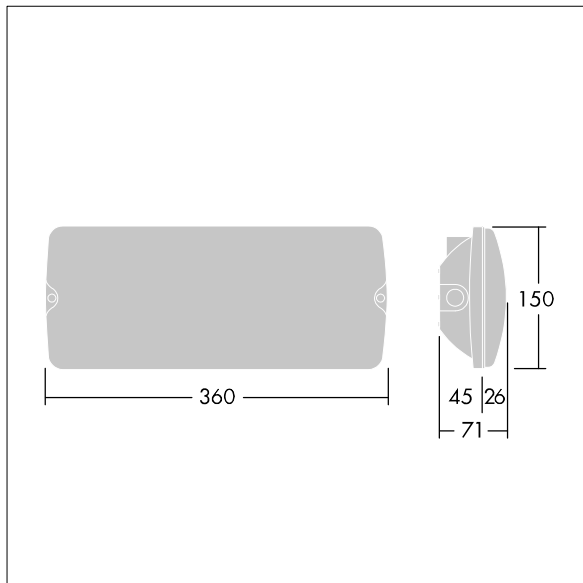
Dimensions: 360 x 150 x 71 mm

Total power: 3.3 W

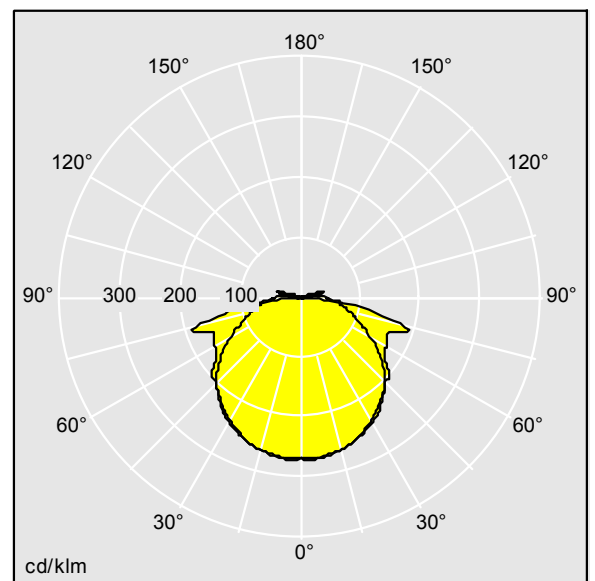
Weight: 0.9 kg



TLG_VYSO_F_OPL.jpg



TLG_VYSO_M_LDL.wmf



TLTP_VYSO_LE3OP.ltd

Lamp position: With opal insert

Light Source: LED

Luminaire luminous flux*: 79 lm

Luminaire efficacy*: 24 lm/W

Lamp efficacy: 24 lm/W

Colour Rendering Index min.: 85

LOR: 1,00 ULOR: 0,04 DLOR: 0,96

Correlated colour temperature*: 5250 Kelvin

Rated median useful life*:

50000h L90 at 25°C

Ballast: 1x EL2

Luminaire input power*: 3.3 W Power factor = 0.5

Charging power: 1.2 W

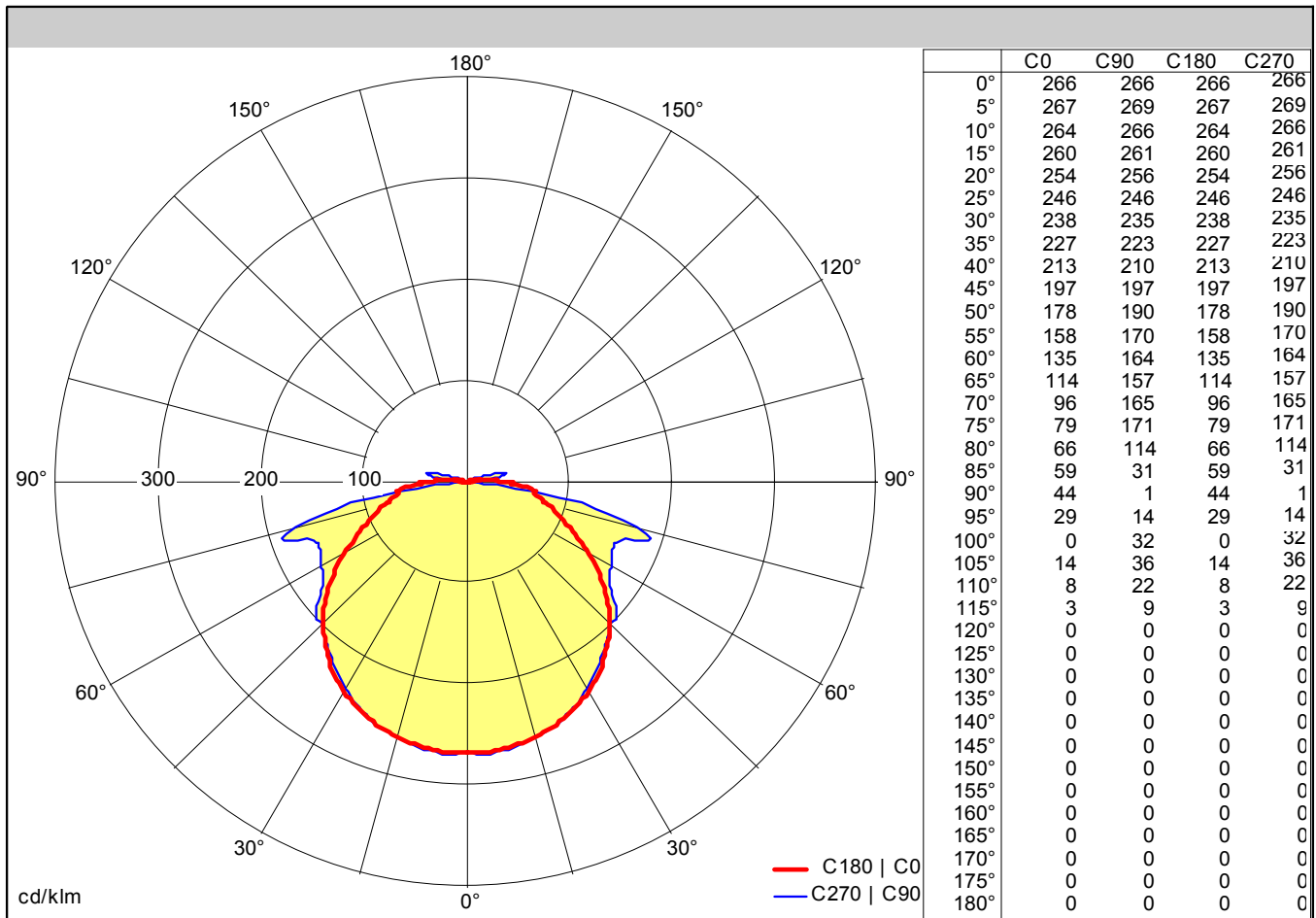
Dimming: FO

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. Unless otherwise stated all Thorn LED products are suitable for unrestricted use (rated RG0 or RG1) with regard photobiological blue light safety (IEC/EN60598-1).

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	100 %	X = 4 H, Y = 8 H	S = 1.00 H	LiTG	A31
ULOR	4 %	Reflection factors	70/50/20	EN	55° < 1000cd/m² 65° < 1000cd/m²
DLOR	96 %	UGR transversal	<16	BZ	BZ5
FFR	0.04 (4:96)	UGR axial	<19	UTE	0.96 G + 0.04 T
BLF	1.00			CIE Flux Codes	39 67 89 96 100

Utilization Factors									
Room Reflectance Ceiling/Walls/Floor	Room Index								
	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
70 / 50 / 20	53	61	68	73	81	86	90	95	98
70 / 30 / 20	45	53	60	65	74	79	84	90	94
70 / 10 / 20	39	46	54	59	68	74	79	85	90
50 / 50 / 20	51	58	65	70	77	82	85	90	93
50 / 30 / 20	44	51	58	63	71	76	80	86	90
50 / 10 / 20	38	45	53	58	66	72	76	82	86
30 / 50 / 20	49	56	62	67	73	78	81	86	89
30 / 30 / 20	43	50	56	61	68	73	77	82	86
30 / 10 / 20	38	45	51	56	64	69	74	79	83
0 / 0 / 0	35	41	48	53	60	65	69	74	77
According to CIBSE Technical Memorandum No. 5 1980						SHR Nom =	1.50		
						SHR Max =	1.68		
						SHR Max TR =	1.93		

Photometric data file: TLTP_VYSO_LE3OP.ltd