

96270791 FLEX 24L50 STR CL2 W5M D76 L730 ANT

LED 40W LED_FLEX_3500		IP66	IK09		T _a -20 +25	
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FleXity

A modern, discreet and versatile post top LED lantern with a asymmetrical distribution. Electronic, LED control gear driving 24 LEDs at 500mA. Compatible with DALI, 1-10V, RF, Power Line, Minicell, Nema, Presence Detection. Class II electrical, IP66, IK09. Canopy and base: die-cast aluminium (EN AC-46100) powder coated dark grey (close to RAL 7043). Enclosure: clear polycarbonate. Complete with 3000K LED. Post top mounting to Ø76mm column, maximum spigot length 75mm. Pre-wired with 5m cable.

Dimensions: 370 x 430 x 290 mm

Total power: 40 W

Luminaire luminous flux: 3500 lm

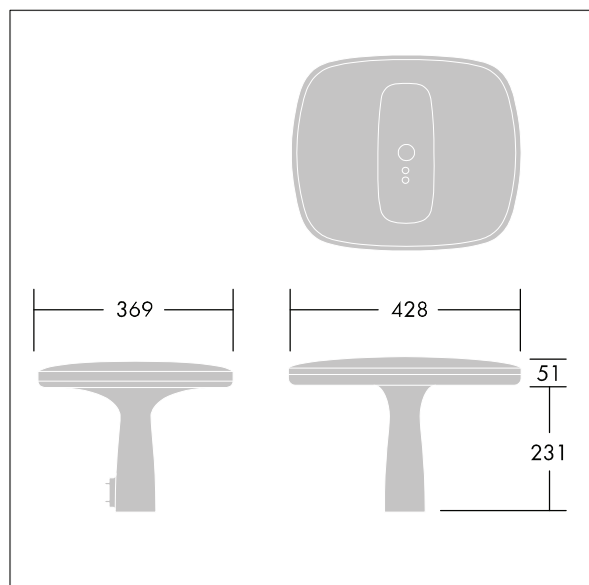
Luminaire efficacy: 88 lm/W

Weight: 4.7 kg

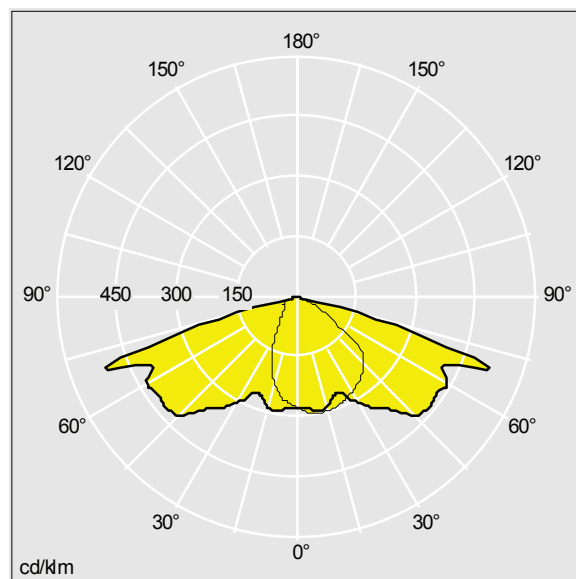
Scx: 0.038 m²



TLG_FLEX_F_D76PDB.jpg



TLG_FLEX_M_LD1.wmf



TLG_SP_0042017.ltd

Lamp position: STD - standard

Light Source: LED

Total luminous flux*: 3500 lm

Luminaire efficacy*: 88 lm/W

Lamp efficacy: 88 lm/W

Colour Rendering Index min.: 70

Correlated colour temperature*: 3000 Kelvin

Rated median useful life*: 100000h L80 at 25°C

Ballast: 1x EL2 Osram OT 3 DIM

Luminaire input power*: 40 W

Dimming: DIM_LED

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

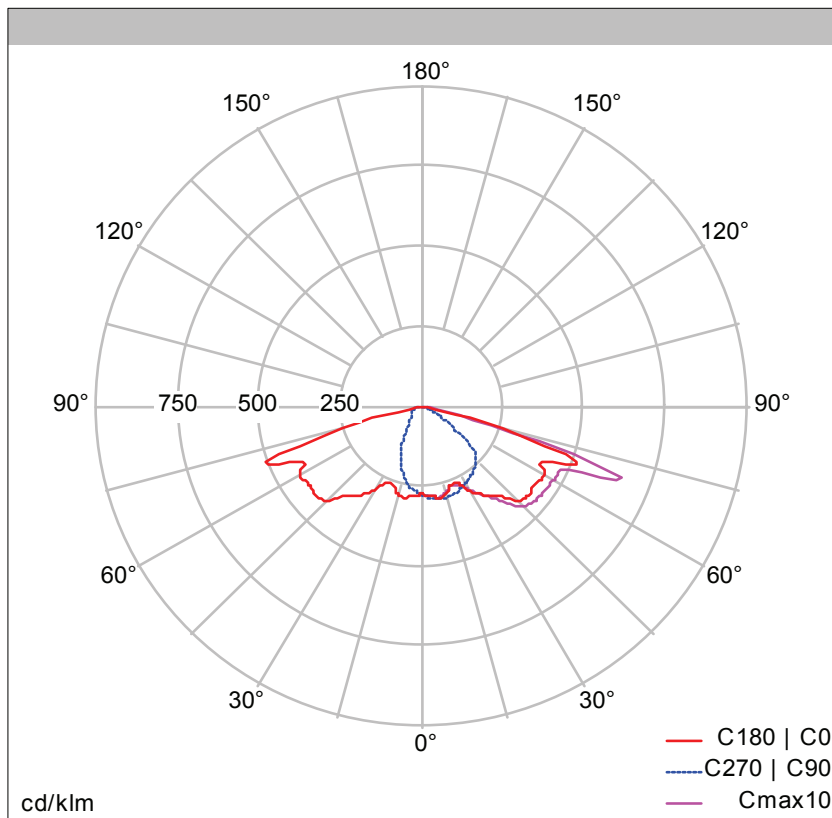
All values marked with an * are rated values. Thorn uses tried and tested components from leading suppliers, however there may be isolated instances of technology-related failures of individual LEDs during the rated product lifetime. International standards set the tolerance in initial flux and connected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

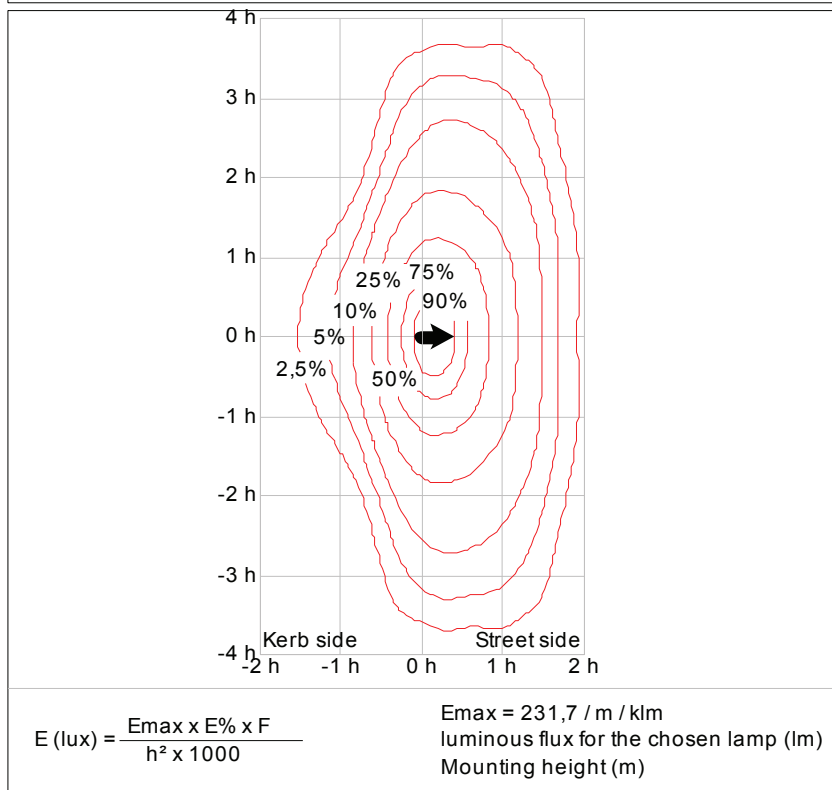
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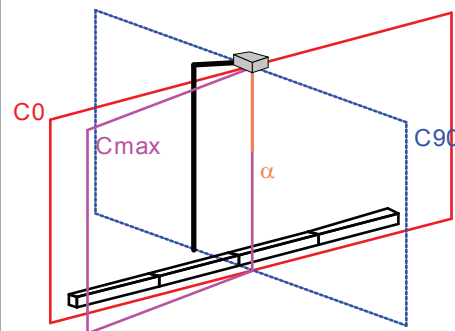
Description Flexity 24L50 STR CL2 W5M D60 L730 - 500mA
 Measurement TLG_SP_0042017
 Lamps 1 x LED Module Oscon x2 3500
 Lamp adjustment
 IP



Photometric data file: TLG_SP_0042017.lgt

Luminaire design attitude

Tilt: $\alpha = 0.0^\circ$



Maximum intensity

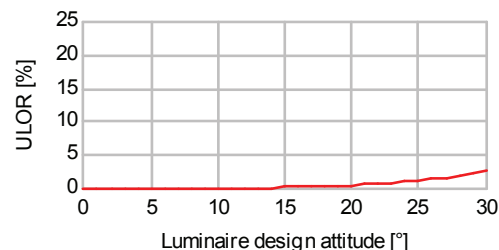
I_{max} 647 cd/klm
 C_{max} 10°
 γ_{max} 70°

Light Output Ratio

Luminaire design attitude 0.0°
 LOR 100.00
 ULOR 0.00
 DLOR 100.00

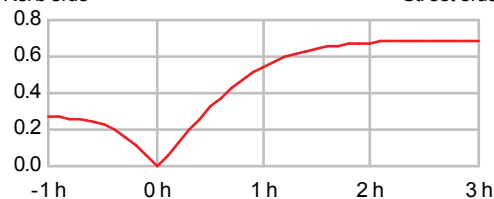
Upward light output ratio

3% for a tilt = 31° 5% for a tilt = 35°
 10% for a tilt = 41° 15% for a tilt = 45°
 20% for a tilt = 50° 25% for a tilt = 54°



Utilization Factors

0.5H = 0.32 1H = 0.55 2H = 0.68
 Kerb side Street side



Glare restriction Obtrusive light

Luminous intensity class G3

γ	Meas. Data I_{max} in cd/klm	Specified in EN 13201-2
70°	647	
80°	36	100
90°	0	20
>95°	0	