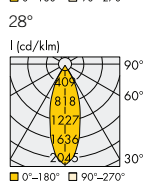
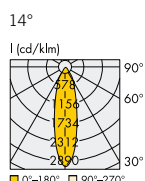
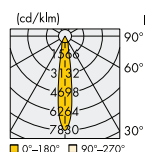


# Technical Sheet

**MACROLUX**

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**Produc code 11.111.3000.--**



## LED LENS 111

**Built-in LEDSpot equipped with interchangeable optics, heat sink and leads**

### Technical notes

Optics: Ø 111 mm, PC, interchangeable

Heat sink material: aluminium

Lumen maintenance: L90/B10; 50,000 hrs.

85 °C at  $t_p$  point

Max. operating temperature at  $t_p$  point:

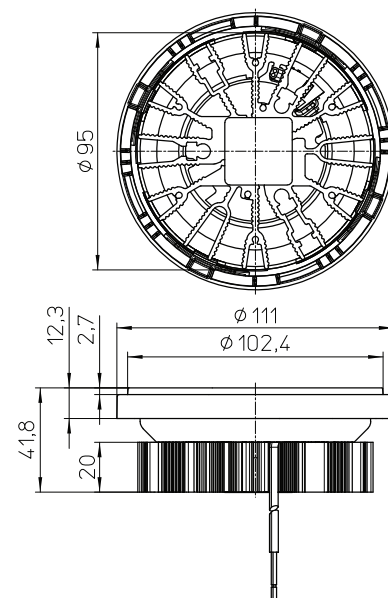
120 °C at 500 mA

Colour accuracy initially: 2 SDCM

Use of external LED constant-current drivers

The ceramic PCB ensures optimum thermal management

Leads: Cutinned, stranded conductors AWG22,



### Electrical Characteristics

Type	Ref. No.		Colour	Correlated colour temperature	Typ. luminous flux and typical voltage ( $U_{typ}$ ) and power consumption ( $P_{el}$ )*				Light intensity at max. current	Beam angle	CRI	Energy efficiency at max. current
	for black LEDSpots	white LEDSpots		K	350 mA lm	lm/W	500 mA lm	lm/W	Candela	°	$R_a$	
					$P_{el} = 11.8 \text{ W}$ $V_f = 33.6 \text{ V}$		$P_{el} = 17.3 \text{ W}$ $V_f = 34.6 \text{ V}$					
11.111.3000.14.	22	42	warm white	3000	1530	129	2120	121	16600	14°	95	A++
11.111.4000.14	22	42	neutral white	4000	1580	133	2190	125	17200	14°	95	A++
11.111.3000.28.	22	42	warm white	3000	1550	130	2145	123	6200	28°	95	A++
11.111.4000.28.	22	42	neutral white	4000	1600	134	2215	127	6400	28°	95	A++
11.111.3000.35.	22	42	warm white	3000	1590	134	2200	126	4500	35°	95	A++
11.111.4000.35.	22	42	neutral white	4000	1640	138	2270	130	4650	35°	95	A++

\* Production tolerance of luminous flux, voltage and power consumption:  $\pm 10\%$