

TECHNICAL SPECIFICATION

BRILLO:LED

1. Luminaire

Housing material	Aluminum
Lenses material	PMMA/PC

2. Light Source



SAMSUNG

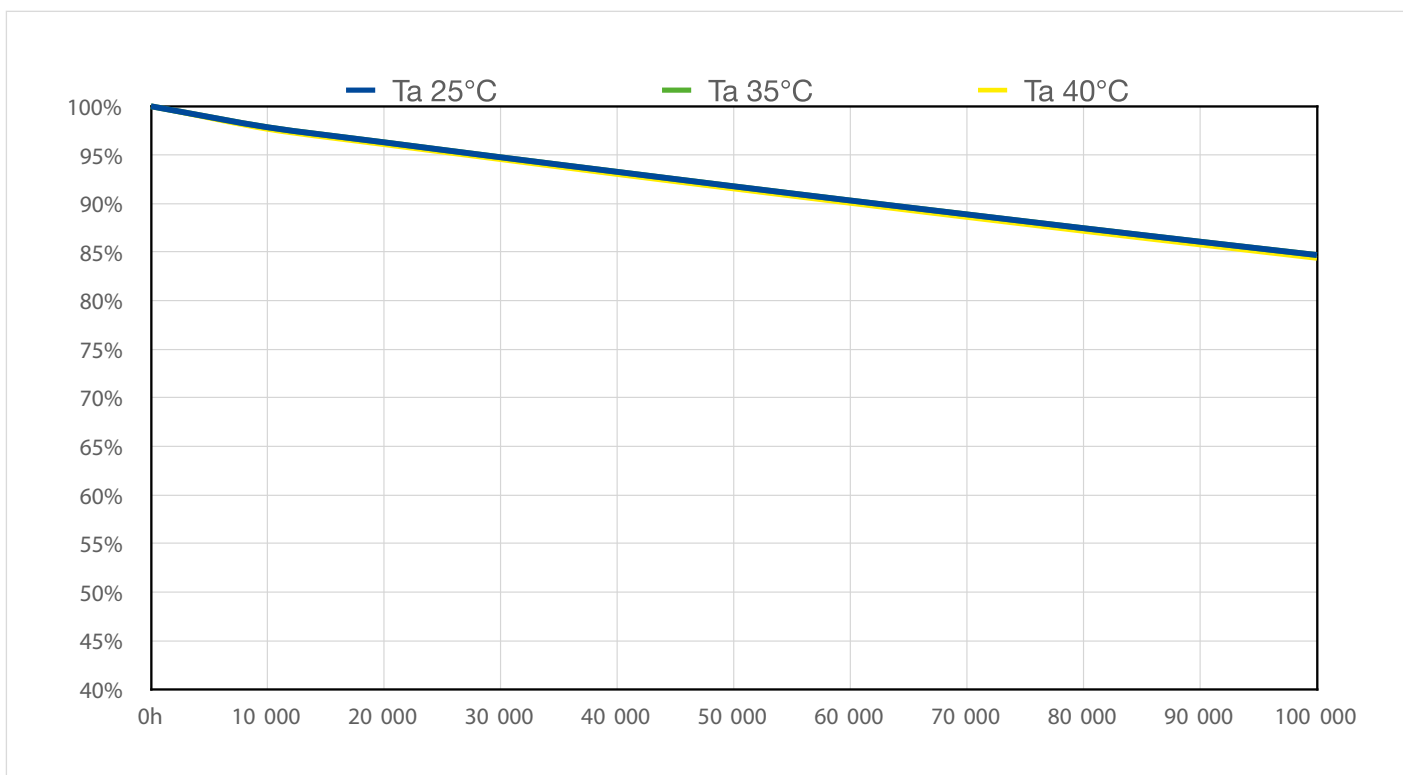
SAMSUNG LM301B

Parameter	Symbol	Value	Unit
Drive current	If	50 / 69 / 88	mA
Forward voltage drop	Vf	2,69 / 2,72 / 2,78	V
Luminous flux	Φ_v	30,2 / 41,3 / 52,2	lm
Intensity	Iv	9,6 / 13,1 / 16,6	cd
Diode efficacy	Ef	230,6 / 225,4 / 220,8	lm/W
Viewing angle at 50% Iv	2 \downarrow	120	°
Thermal resistance	Rth j-s	7.5	°C/W
Color rendering index	CRI	80	Ra
Laminate	CEM-3	1.5	mm

Available CCT options

3000K	$\sim C_y 0.392 \times C_x 0.434$
4000K	$\sim C_y 0.369 \times C_x 0.383$
5000K	$\sim C_y 0.345 \times C_x 0.367$

Luminous flux degradation according to IESNA LM-80B10 (hours)



3. Power supply

Parameter	Symbol	Value	Unit
Input voltage	Vf	220-240	VAC
Output voltage	Vf	20-51	VDC
Output current	If	400 / 550 / 700	mA
Efficiency		89 / 87 / 86	%