

TECHNICAL SPECIFICATION

NEPTUNE:LED 2.1

1. Luminaire

Housing material	PC
Diffusor material	PC

2. Light Source



SAMSUNG

SAMSUNG LM281B+

Parameter	Symbol	Value	Unit
Drive current	If	50/100	mA
Forward voltage drop	Vf	2,62/2,74	V
Luminous flux	Φ_v	26,3/50,9	lm
Intensity	Iv	82,6/159,9	cd
Diode efficacy	Ef	200/185,7	lm/W
Viewing angle at 50% Iv	2 \downarrow	120/120	°
Thermal resistance	Rth j-s	25/25	°C/W
Color rendering index	CRI	80/80	Ra
Laminate	FR4	1,5	mm

Available CCT options

4000K

~ Cy 0,38 x Cx 0,38

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



3. Power supply

Parameter	Symbol	Value	Unit
Input voltage	Vf	176-264/198-264	VAC
Output voltage	Vf	20-46/24-40	VDC
Output current	If	350/700	mA
Efficiency		84/88	%