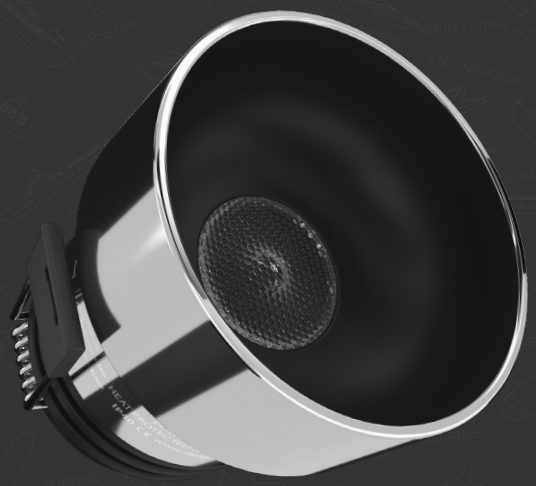
STEIN
MARINE LIVING



NELLY 40X V2-20

MARINE GRADE DOWNLIGHT

Designed for Marine Electrical Instability

IP65 Front Rated | 80V Extended Tolerance | Zero EMI | Integrated Aluminum Driver

Thermal & High Voltage Protection | Custom Sizes & Finishes Available

STEIN TECHNOLOGY

Automatic Thermal Regulation With Adaptive Power Control

F — Efficient heat dissipation design minimizes overheating and reduces fire risk.

EMI-Free Operation

TECHNICAL SPECS

ELECTRICAL DATA

System Power	4 Watt
Nominal Operating Voltage	20–30V DC
Extended Voltage Tolerance	Up to 80V DC (temporary operation)
Energy Efficiency	Up to 98%
Dimming	PWM dimmable (compatible with 1–10V and DALI systems via suitable driver)

OPTICAL PERFORMANCE

Luminous Flux	480 lm
Luminous Efficacy	120 lm/W
Color Rendering Index (CRI)	≥90
Beam Angle	45°
Rated Lifetime	L70 lifetime >100,000h
Color Consistency	3-Step MacAdam Ellipse

PROTECTION & SAFETY

Reverse Polarity Protection	Full electronic protection
Surge Immunity	IEC transient protection compliant up to 200V (short-duration spikes)
Driver Construction	Fully integrated aluminum-housed driver (no external plastic box)
Linear Constant Current Driver	No Switching Frequency
Flicker	0% Flicker (No PWM / No High Frequency Modulation)
Ingress Protection Architecture	IP65 front exposure / IP44 ceiling cavity protection

THERMAL MANAGEMENT

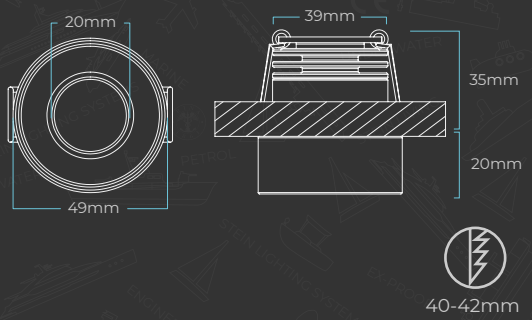
Operating Ambient Temperature	-40°C to +60°C
Max Case Temperature	70°C
Adaptive Thermal Regulation	Continuous thermal monitoring with dynamic current adjustment
Confined-Space Thermal Stability	Stable operation in low-ventilation ceiling cavities.
Adaptive Overvoltage Thermal Regulation	Automatic current derating under extended voltage conditions

LIGHT COLORS

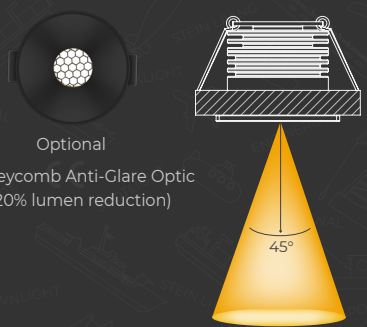
6500K 4000K 3000K RED BLUE GREEN

DIMENSIONS

These dimensions can be optionally changed



BEAM ANGLE



Optional

Honeycomb Anti-Glare Optic (~20% lumen reduction)

FINISHES

Polished Chrome | Polished Gold Plated | Black Painted | White Painted

CE IP65 F