



MINIMUM STARTING TEMPERATURE
-30°C -22°F
 Operates T8, T10 & T12 Lamps



IceHorse® ballasts automatically adjust in cold temperatures to provide optimal light output

- Fulham's "Smart" reactive circuitry adjusts in temperatures as low as -30°C/ -22°F (Most competitors overdrive their ballasts in cold temperatures)
- Consistent light output with line voltage variations
- Pre-heat circuit ensures lamp start in low temperature applications
- Precision control flicker-free operation
- Auto-safety latch circuit for ballast fault condition
- Deactivated lamp protection
- Low THD design for electronic compatible environments
- PCB-free, environmentally responsible design





FLUORESCENT LOW TEMPERATURE ELECTRONIC BALLASTS



120-277 50/60 Hz

FEATURES

- Universal Voltage 120V-277V
- High Power Factor
- Deactivated Lamp Protection
- Fault Condition Protection
- Programmed Pre-Heat Start
- Minimum Starting Temperature -30°C / -22°F
- No PCBs
- Low THD < 10%
- 18 Feet Remote Mountable
- Type "HL" Approved for Hazardous Locations

APPLICATIONS

- Food Refrigerator Cases
- Food Freezer Cases
- Medical Vaccine Fridges
- Vending Machines
- Coolers
- Consistently Cold Outdoor Locations



COMMON SPECIFICATIONS

Input Voltage	120V-277V
Input Voltage Range	± 10%
Power Line Frequency	50/60Hz
High Power Factor	> 0.98
ATHD	< 10%
Re-Lamping Circuit	Deactivated Lamp Protection
Surge Protection	ANSI C62.41-A7 Strikes and EN6100-4-5
Current Protection	Fuse
Lamp Operation Mode	Programmed Start
Lamp Connection	Parallel
Ignition Method	Programmed Pre-Heat Start
Lamp Current Crest Factor	< 1.7
Voltage Transients	ANSI 62.41
Circuit to Ground	< 600 VAC
UL / cULus Listed	Type 1 Outdoor
Type "CC" Rated	Anti-Arch
Thermal Protection	Class "P"
EMI/RFI Compliance	FCC Part 18 non-consumer
Sound Rating	A
Minimum Operating Temperature	-30°C (-22°F)
Maximum Case Temperature	70°C (158°F)
Ballast Case Construction	Painted Steel
Input/Output Connections	Wire Leads + Connectors
Potted	Yes
Warranty	3 years

	ICEHORSE 1	ICEHORSE 2	ICEHORSE 3
Model No.	IH1-UNV-232-T8	IH2-UNV-270-T8	IH3-UNV-272-T12H0
Max. Current	.85 AMP	1.35 AMP	1.38 AMP
Max. Power	100W	155W	150W
Case Size	H 1" x W 1.7" x L 12" H 25.4mm x W 43.18mm x L 304.80mm	H 1" x W 1.7" x L 12" H 25.4mm x W 43.18mm x L 304.80mm	H 1" x W 1.7" x L 12" H 25.4mm x W 43.18mm x L 304.80mm
Weight	1.4 lbs	1.5 lbs	1.4 lbs
Case Qty	25 pcs.	25 pcs.	25 pcs.

LAMP OPERATION

Model Number	# of Lamps	Lamp Type / Designation
IH1-UNV-232-T8	1 or 2	F25 / F32 / F40 T8
IH2-UNV-270-T8	1 or 2	F58 / F70 T8
IH3-UNV-272-T12H0	1 or 2	F48 / F60 T8H0
		F48 / F60 T10VH0
	1	F48 / F60 / F72 T12H0 F72T8H0, F72T10VH0, F96T12VH0

