



GE
Lighting

78517 - GEM70TRILC3-5

GE HID Distributor Replacement Kit Magnetic Core & Coil Ballast

- Magnetic ballast construction ideal for a wide variety of lighting applications.
- Precision-wound coils, ensuring even heat dissipation and the highest electrical integrity.
- Distributor replacement kit contains the appropriate core & coil with color coded leads, a properly rated capacitor and ignitor (if required) and all other components required for ballast replacement
- Tri-Tap ballast (120, 277, 347)

GENERAL CHARACTERISTICS

Application	1- 70w MH M 98 or M143 Tri Tap (120/277/347V)
Category	High Intensity Discharge
Ballast Type	Magnetic - Core & Coil
Type	Replacement kit
Starting Method	Pulse start
Line Voltage Regulation (+/-) (NOM)	5.0 %
Ambient Temperature (MIN)	-40.0 °C
Ambient Temperature (MAX)	55.0 °C (13 °C)
Case Temperature (MAX)	105.0 °C
Ballast Factor	Normal
Circuit Type	HX-HPF
Insulation Class	200C
Enclosure Type	Metal Can
Type of Capacitor	Oil filled
Capacitance (NOM)	8.0 µF
Capacitor Temperature Rating (NOM)	105.0 °C
Distance to Lamp (MAX)	5.0 ft
Additional Info	Cold Temperature / High output / No PCBs
Primary Application	Post Light

PRODUCT INFORMATION

Product Code	78517
Description	GEM70TRILC3-5
Standard Package	Master
Standard Package GTIN	10043168785171
Standard Package Quantity	6
Sales Unit	Distributor Kit
No Of Items Per Sales Unit	1
No Of Items Per Standard Package	6
UPC	043168785174

DIMENSIONS

Case dimensions			
Length (L)	NaN	in(NaN	mm)
Width (W)	NaN	in(NaN	mm)
Height (H)	NaN	in(NaN	mm)
Mounting dimensions			
Bracket Length (BL)	NaN	in(NaN	mm)
Mount Length (M)	NaN	in(NaN	mm)
Mount Width (X or F)	NaN	in(NaN	mm)
Mount Slots (MS)	NaN	in(NaN	mm)
Weight (NOM)	5.0	lb	
Exit Type	Side		
Remote Mounting Distance (NOM)	5.0	ft	
Remote Mounting Wire Gauge (NOM)	18.0	AWG	
Diameter (NOM)	1.75	in	
Nominal Length (NOM)	2.7	in	
Frame size (H x L)	3.0 x 4.0	in	
Lead lengths	Qty	Exit	Length (± 1 in.)
Blue	1	Left	12 (305 mm)
Red	1	Left	12 (305 mm)
Brown	1	Left	12 (305 mm)
Black/White	1	Left	12 (305 mm)
Black/Yellow	1	Left	12 (305 mm)
Black	1	Left	12 (305 mm)
White	2	Left	12 (305 mm)

ELECTRICAL CHARACTERISTICS

Supply Current Frequency (MIN)	60.0 Hz
Supply Current Frequency (NOM)	60.0 Hz
Voltage (MIN)	300.0

SAFETY & PERFORMANCE

- cUL Listed
- UL Listed

SPECIFICATIONS BY LAMP & LINE VOLTAGE

For additional information, visit www.gelighting.com

Lamp	# of Lamps by Line	Specifications Voltage	System Wattage	Nominal Current	Ballast Factor	Ballast Efficiency	Max.Input Current	Starting Current	Open Circuit Voltage	Drop Out Voltage	Power factor	Min.starting temperature	Fuse rating	UL bench top rise
M98	1	120	91.0	0.9 A A	1.0	0.769	NaN A	NaN A	NaN V	NaN V	90.0	-40.0 °F °F	3.0	A
M98	1	277	91.0	0.39 A A	1.0	0.769	NaN A	NaN A	NaN V	NaN V	90.0	-40.0 °F °F	1.0	A
M98	1	347	91.0	0.31 A A	1.0	0.769	NaN A	NaN A	NaN V	NaN V	90.0	-40.0 °F °F	1.0	A
M143	1	120	91.0	0.9 A A	1.0	0.769	NaN A	NaN A	NaN V	NaN V	0.9	-40.0 °F °F	3.0	A
M143	1	277	91.0	0.39 A A	1.0	0.769	NaN A	NaN A	NaN V	NaN V	0.9	-40.0 °F °F	1.0	A
M143	1	347	91.0	0.31 A A	1.0	0.769	NaN A	NaN A	NaN V	NaN V	0.9	-40.0 °F °F	1.0	A

CAUTIONS & WARNINGS

Warning

- Risk of Electric Shock
 - Properly ground ballast and fixture.
 - Turn power off before servicing--see instructions.

ACCESSORIES

Dry Film Capacitor

Product Code	75426
Description	GECAP-8/280V-D

Ignitors

Product Code	75440
Description	MH350-1A

NOTES

- Kit contains the appropriate core & coil with color coded leads, a properly rated capacitor and ignitor (if required) and all other components required for ballast replacement

WARRANTY INFORMATION

GE Lighting warrants to the purchaser that each ballast will be free from defects in material or workmanship for period as defined in the attached documents from the date of manufacture when properly installed and under normal conditions of use.