

## DESCRIPTION

Specification grade 71 watt MR16 downlight pinhole fixture. The 50° cutoff to lamp and lamp image provides a glare free, smooth distribution of light. For use with all halogen MR16 lamps in either open or cover glass varieties. Units small size is ideal for tight construction areas. Insulation must be kept 3" away from sides and top of fixture. **Optical element can be changed after installation to provide a variety of distributions. e.g. into an Adjustable**

## SPECIFICATION FEATURES

## A...Finish

.040 thick aluminum spun parabolic interior reflector in Black Alzak® finish. Die-cast 1.25" occulus with knife edge produces dark aperture. Occulus with either flat black or white finish. No occulus in "LARGE version".

## B...Flange

Die-cast flange with matte white, clear coat, satin aluminum or polished aluminum finish. Die-cast flanges are easily removed for field painting. Elements are keyed for proper insertion.

## C...Lens

Soft focus lens standard in platform for smooth beam patterns. Pinhole element includes a clear lens to allow maximum output if desired. Up to two filter media can be used which are retained during relamping.

## D...Attachment

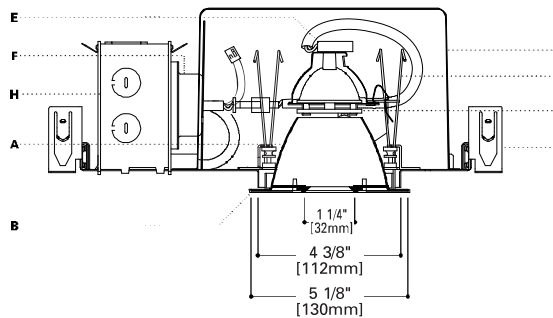
Positive torsion springs pull flange tight to ceiling. Mechanical light trap eliminates spill light at edge of flange or reflector.

## E...Socket

GX5.3 base for Bi-pin MR16 lamps. Fixed socket height ensures consistent lamp position and back light shield keeps interior of fixture dark.

## F...Transformer

Truvolt™ toroidal transformer with dual-output taps for proper 12.0V operation and quiet operation when dimmed. Dimmer tap compensates for inherent voltage loss from dimmers, resulting in 30% more lumens than traditional laminated transformers. Toroidal design, with 90% or greater efficiency, features a rolled one-piece continuous core of M3 grade grain oriented silicon steel complete with an integral thermal to protect against overheating. For dimming, use dimmers rated for electromagnetic transformers.



**Transformer is warranted for 5 years and is serviceable from below ceiling.**

Note: If a dimming system is operated for construction lighting in its "shunt" mode, i.e. bypassing the dimmer modules, for an extended period of time, fixtures with the dual-tap toroidal transformer should be operated on the "Switched Fixture" output until the dimmers are in use. Operating fixtures on the "Dimmed Fixture" output with a full 120v input for an extended period will overdrive the lamp and cause shortened lamp life.

## G...Frame/Housing

Hot dipped galvanized 20 gauge steel frame with built in 1/2 inch plaster lip. Gunsights allow for consistent alignment. Matte black housing interior.

## H...Junction Box

18 cubic inches, listed for 4#12 AWG or 6#14 AWG 90 C additional feed through conductors, has three 1/2 inch pryouts.

## I...Bar Hangers

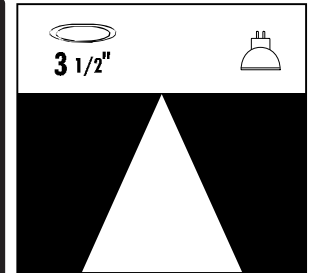
No Flex® bar hangers with positive locking, for use with wood, engineered wood and steel frame joists spaced up to 24" O.C. ship with platform. For use in T-bar ceilings order accessory MBCLP clips. Nailless barb and locator lip provide consistent installation height.

## Codes

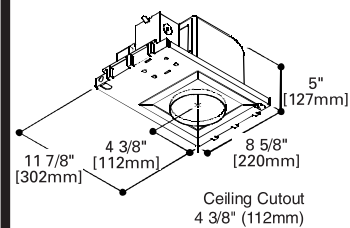
Thermally protected, IP labeled. Unit is airtight and exchanges less than 2.0 CFM with the plenum at a pressure of 75 pascals. Insulation must be kept three inches away from fixture sides and none on top as to entrap heat.

## Labels

UL and cUL listed, standard damp label, IBEW union made.

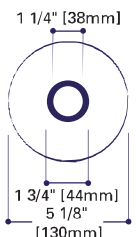
PN3MR  
E3DNPIN

## 71 W MR 16

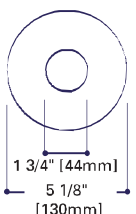
3" DOWNLIGHT  
PINHOLE

## Energy Data

120V Input		
Lamp Watts	Input Watts	Operating Current
20	23	.19
35	41	.34
37	42	.35
42	47	.39
50	57	.48
65	70	.58
71	77	.64
75	81	.68

PINHOLE ELEMENT  
VARIETIES  
(PLAN VIEW)

## E3DNPINLARGE



## ORDERING INFORMATION

Complete unit consists of a platform, and element

Platform	Optical Element	Flange	Accessories
<b>PN3MR</b>			
PN3MR=3" Airtight Non-IC Low Voltage Housing PN3MR-REMOTE=3" Airtight Non-IC Low Voltage Housing for Remote Transformer	E3DNPIN = MR16 1-1/4" Downlight Pinhole E3DNPIN-LARGE = MR16 2" Downlight Pinhole	Blank=White with Black Occulus RAW=Natural Die-cast with Black Occulus W = White with white occulus POL = Polished Aluminum with Black Occulus SAL = Satin Aluminum with Black Occulus	MBCLP = 40 Push On T Bar Clips (for 10 Units) PLE3 = Plaster Lip Extension for Max 2" Thick Ceiling FMC3 = Flush Mount Collar LSPD = Spread Lens LLNR = Linear Spread Lens LUV = UV Reduction Lens LLPINK = Light Pink Lens LLSTRAW = Light Straw Lens L27K = 2700K dichroic filter LDAY = Daylight Lens LSPINK = Surprise Pink Lens LPLAV = Pale Lavender Lens LHEX= Hex Cell Louver
		*White Occulus is not available for LARGE pinhole	For additional options please consult factory.

