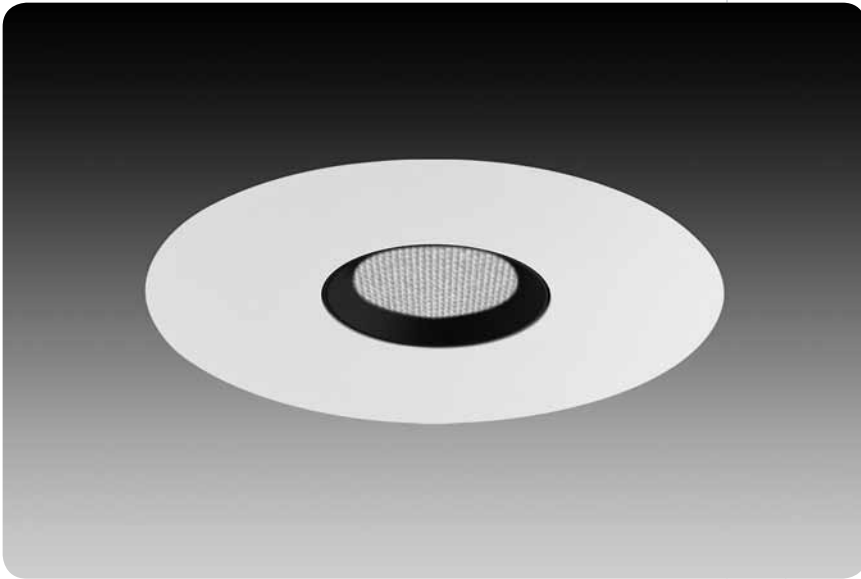


0-45° accent – pinhole with lens  
**id**<sup>®</sup>



Covered by US Patent: 7,748,868

**features**

Trims available in Overlap flange or Flush mud-in for a seamless appearance.

**Gloves Off™** hot aiming made simple with gear drive for both 45° vertical and 363° horizontal adjustment; Self locking.

**Auto Memory** remembers original lamp position after relamping. Lenses are independent of lamp, and remain undisturbed during relamping.

**Perfect Fit™** installation process provides seamless integration in plaster, drywall and acoustical tiles, while maintaining optics in any ceiling thickness.

Adjustment mechanism provides for:

- easy relamping
- locking of both vertical and horizontal aiming
- lowers for easy lamp and lens access.

**Smart Lock™** ring allows quick removal and re-assembly of trim components for field painting.

Standard white finish is field paintable.

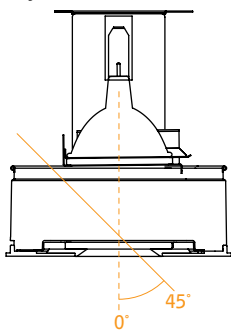
Interchangeable lamp and trim mechanisms allow for maximum flexibility, even after luminaire is installed.

**lens accessories**

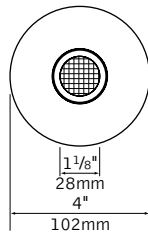


**trim assembly**

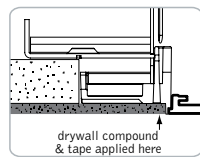
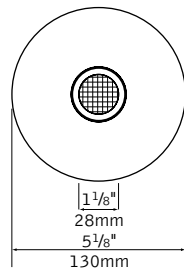
trim with adjustment mechanism



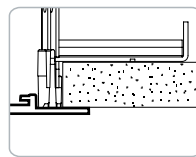
flush trim  
(drywall only)



overlap trim



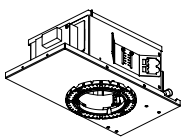
ceiling cutout dimensions:  
6 3/16"



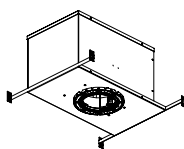
ceiling cutout dimensions:  
T & IC Housings - 4 11/16"  
RT Housing - 4 5/8"

**housing types**

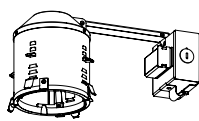
**T**  
14" x 7.625" x 5" h



**IC (air-tight)**  
16.5" x 10" x 9" h



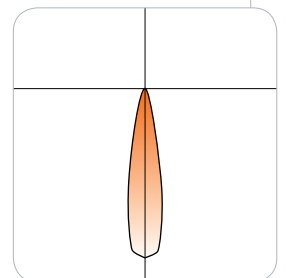
**RT**  
11.64" x 6.59" x 5.58" h



overlap faceplate only

**performance**

Accent Pinhole with Lens  
 Q71MR16/C/NSP15  
 4027 cd @ 0° (0° tilt)



Visit [focalpointlights.com](http://focalpointlights.com) for complete photometric data.

fixture:

project:

## housing specifications

### lamp

Halogen MR16 lamp provides numerous beam options from 10° to 40° (60° not recommended).

### construction

(T)Thermally protected housing for new construction applications without direct contact with insulation. Insulation to be kept 3" away from housing. Unit is enclosed in 20ga. black painted CRS housing, which eliminates stray light into the plenum, on a 20ga. CRS frame. Housing ships standard with butterfly brackets which mount to ½ emt or channel and vertically adjust 2". Bar hangers are an option and must be specified when ordering T-rated housing. Transformer is accessible from below ceiling. Unit may be relamped from above. Fixture will not exceed 7.5lbs.

(IC) Insulated ceiling housing for new construction applications with direct insulation contact. Unit is constructed of double wall 18ga. aluminum housing on a 20ga. CRS frame. Housing ships standard with locking bar hangers. Transformers and thermal protectors are accessible from below ceiling. Housing is gasketed and complies with ASTM E-283, air-tight energy codes. Fixture will not exceed 11lbs.

(RT)Remodel, thermally protected housing for remodel construction applications without direct contact with insulation. Insulation to be kept 3" away from housing. Unit is 20ga. black painted CRS with contoured top and hinging J-box arm. Housing locks into finished ceiling via 4 removable spring clips. J-box and transformers are accessible by removing housing from ceiling. Fixture will not exceed 4.5lbs.

### electrical

Porcelain bi-pin socket with #18 Teflon leads with keyed quick connection. Acoustically isolated transformer, replaceable from below, mounted outside of housing to ensure cool operation and minimize hum. Transformers available in either electronic or magnetic 120V or 277V. For residential dimming applications, toroidal magnetic transformer is available. Large junction box with pryouts. UL listed for thru branch wiring, four #12 90°C conductors for T housing and two #14 90°C conductors for RT and IC housing.

### installation

Adjustable throat allows infinite adjustment for ½" to 1½" thick ceilings. Shipped in ½" ceiling position. For thicker ceilings consult factory.

Ceiling thickness adjustment sleeve locks with supplied ⅝" hex driver.

Sleeve allows fine tuning of the housing for a perfect fit. Comes with laser/string alignment guides.

Housing ships with dust cover.

## trim specifications

### aesthetics

Diminutive black knife edge baffle minimizes brightness. Patterned glass above baffle provides smooth wash of light and does not show water spots. Glass is spring loaded for ease in releasing trim for aiming and relamping.

Matte white finish may be used as a primer coat for field painting. Smart Lock™ ring allows disassembly for custom field painting.

### adjustment mechanism

Auto Memory for relamping, lamp returns to preset aiming position.

Mechanism is matte black finish and holds lamp and lenses independently.

Hot aiming with Phillips screwdriver allows for 45° vertical tilt, and 363° rotation and locks into position. Mechanism pulls down for quick and easy relamping.

Vertical angle and horizontal rotation indicators display positioning.

Tempered soft focus lens supplied as standard.

Lens tray can hold up to three accessories, up to ⅝" thick. Lenses remain undisturbed during relamping.

### optics

50° cutoff to the lamp and lamp image.

Tempered 2" diameter Solite lens held over aperture via radial spring.

### construction

Trim stays captive to housing during relamping via torsion springs.

Torsion springs pull trim tight to the ceiling.

No visible fasteners within the trim.

Mechanical light traps eliminate light leaks.

Warp free die-cast aluminum faceplate, .040" thick flange on overlap versions.

### Labels

UL listed, Wet label standard.

No visible labels when trim is installed.

## housing ordering

housing series FD4

Halogen Housing FD4

lamp MR

MR16 Lamp MR

transformer type \_\_\_\_\_

Electronic Dimming 120V, 11.7V E1

Electronic Dimming 277V, 11.7V E2

Magnetic Dimming 120V, 11.7V M1  
(T housings only)

Magnetic Dimming 277V, 11.7V M2  
(T housings only)

Toroidal Dimming 120V M1T  
(IC & RT housings only)

faceplate type \_\_\_\_\_

Round Flush RF  
(T & IC housings only)

Round Overlap RO

housing type \_\_\_\_\_

(T Rated: 71W max.  
IC Rated & Remodel: 50W max.)

New Construction T Rated, T  
up to 1½" ceilings

New Construction T Rated, T2  
1½" to 2½" ceilings

New Construction T Rated, T3  
2½" to 3½" ceilings

New Construction IC Rated, IC  
up to 1½" ceilings

New Construction IC Rated, IC2  
1½" to 2½" ceilings

New Construction IC Rated, IC3  
2½" to 3½" ceilings

Remodel T Rated RT  
(overlap faceplate only)

factory options \_\_\_\_\_

Bar Hangers BH  
(T housings only)

Wattage Restriction Label WRXX  
(XX=wattage)

Chicago Plenum CP  
(T housings only)

## trim ordering

trim aperture D1

1½" Aperture D1

faceplate type \_\_\_\_\_

Round Flush RF  
(T & IC housing only) (drywall only)

Round Overlap RO

optic PL

Pinhole Lens with Black Bevel PL

faceplate finish \_\_\_\_\_

White WH

Black BK

Titanium Silver TS

Aluminum Raw AL

lens accessories \_\_\_\_\_

(soft focus lens supplied as standard)

Hex Louver HL

Linear Spread Lens LSL

Prismatic Spread Lens PSL

Sand Blasted Lens SBL

Clear Lens CL

UV Lens UVL

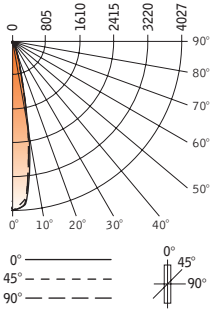
a complete unit consists of two line items, housing and trim  
example: FD4-MR-E1-RF-T / D1-RF-PL-WH

rnd accent – pinhole with lens  
id®



Luminaire: 71W MR16 lensed pinhole, narrow spot distribution with soft focus lens  
 Filename: D1RXPLHA71NS15\_0.ies  
 Catalog #: D1-RX-PL-WH  
 Efficiency: 53%  
 Photometric Report #: 13575.0

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	4027	4027	4027	4027	4027
5°	3697	3834	3838	3879	3817
15°	767	803	871	998	850
25°	74	90	132	136	107
35°	16	18	22	16	9
45°	10	12	10	8	4
55°	1	2	1	0	0
65°	0	0	0	0	0
75°	0	0	0	0	0
85°	0	0	0	0	0
90°	1	0	0	0	0

LUMEN SUMMARY

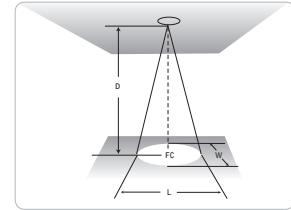
Zone	Lumens	% Lamp	% Fixt
0°-30°	588	51.5	97.9
0°-40°	595	52.2	99.1
0°-60°	600	52.6	100
0°-90°	600	52.6	100
<b>Total Luminaire</b>	<b>600</b>	<b>52.6</b>	<b>100</b>

LUMINANCE DATA (CD/M<sup>2</sup>)

Vertical Angle	0°	45°	90°
45°	4037	4037	1615
55°	498	498	0
65°	0	0	0
75°	0	0	0
85°	0	0	0

FOOTCANDLE VALUES

D	FC	L	W
6'	112	1.6'	1.6'
8'	63	2.1'	2.1'
10'	40	2.6'	2.6'
12'	48	3.2'	3.2'
14'	21	3.7'	3.7'



Footcandle results based on AGI32; off the shelf lamp in fixture, with microprismatic lens; Reflectances=0/0/0; LLF=1

Go to [www.focalpointlights.com](http://www.focalpointlights.com) for additional photometric data.