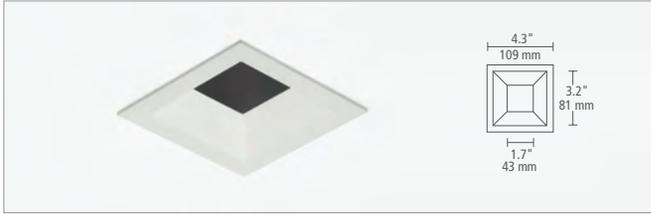
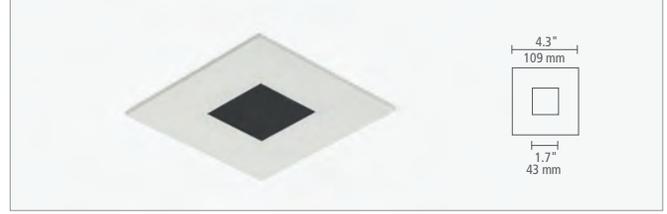




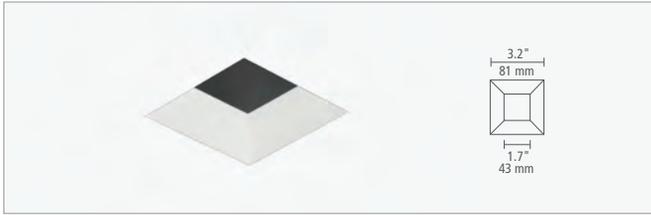
HALOGEN MR16/CMH MR16



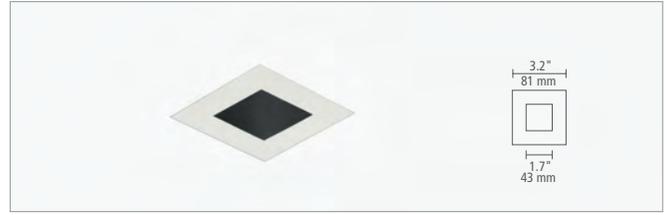
SQUARE FLANGED BEVEL



SQUARE FLANGED FLAT



SQUARE FLANGELESS BEVEL



SQUARE FLANGELESS FLAT

PRODUCT DETAILS

DESCRIPTION

Halogen or CMH MR16 downlight with architectural appearance. Available as adjustable accent light or fixed downlight. 0° - 40° hot aiming and 361° rotation for no dead spots. Unique lamp cartridge system allows up to 3 captive optical controls. Lens rotation and lens lock for use with linear spread lenses.

TRIM OPTIONS

Die cast aluminum with minimal thickness. Lensed or open aperture. Lensed and shower aperture include Solite™ soft focus lens at aperture; secured with spring. Back of all trims painted matte black. Available in antique bronze, black, satin nickel, white. White can be field painted to match adjacent finishes. Accommodates up to 2.5" ceiling thickness depending on trim.

OPTICAL CONTROLS

Hot aiming allows 0° - 40° center beam tilt and 361° rotation (adjustable version only). Up to three accessory lenses are held captive inside the lamp cartridge which includes integral glare reducing snoot. Lamp cartridge can be easily rotated 180° by rotating the snoot and locked into place using a screwdriver. Lamp cartridge is keyed to maintain precise focus during relamping. Optical controls ordered separately, see page 38.

HOUSING

3.5" ceiling opening. Constructed of heavy gauge cold rolled steel and die cast plaster plate (flangeless only) with durable matte black powder coat finish to maintain dark aperture. Airtight and available in IC, non-IC, or Chicago Plenum. Includes integral junction box approved for branch circuit through wiring. ETL listed. Damp listed. Shower version wet listed.

LAMP

Low-voltage Halogen MR16 (75W max in non-IC, 50W max in IC housing) or CMH MR16 (20W or 39W). To include wattage restriction label, specify -WR at the end of the housing item number and specify wattage (Example: -WR37). Lamps ordered separately, see pages 147-148. For bare lamp photometry, see pages 141-145. For fixture photometry, see www.element-lighting.com.

TRANSFORMER

Halogen ships with 75 Watt 120 Volt electronic or magnetic transformer per specification. Can be accessed through the aperture. Remote transformer option available, remote transformers ordered separately on page 39. CMH ships with electronic CMH ballast. Also accessible through the aperture. To specify 277 Volt, add -277 to end of the housing item number (Example: E3SFB-HANM-277).

INSTALLATION

Includes butterfly brackets that attach to the side of the housing and are vertically adjustable with a wing nut. Also includes steel nailer bars. Integral gunsights for positioning with laser levels or string ensure consistent alignment during installation. Flangeless trim units include die cast plaster plate with no-fill collar that installs after the ceiling to prevent cracking by unifying the plate, ceiling, and housing. Plaster plate is to be mudded over directly up to the aperture for seamless appearance.

ORDERING GRID - TRIM

	CEILING APPEARANCE	TRIM STYLE	APERTURE	FINISH	
E3S	F	FLANGED up to 1" ceiling thickness	B BEVEL	-O NO LENS	Z ANTIQUE BRONZE
	F15	FLANGED 1.1"-1.5" ceiling thickness	F FLAT	-H SHOWER	B BLACK
	F20	FLANGED 1.6"-2.0" ceiling thickness		-L LENSED	S SATIN NICKEL
	F25	FLANGED 2.1"-2.5" ceiling thickness			W WHITE
	L	FLANGELESS up to 1" ceiling thickness			

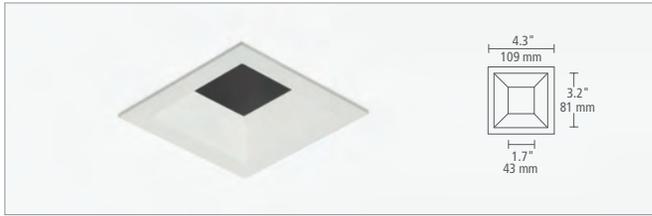
Ceiling Thickness	Recommended Maximum Tilt
1" Standard	40°
1.1" - 1.5"	30°
1.6" - 2.0"	20°
2.1" - 2.5"	10°

ELEMENT

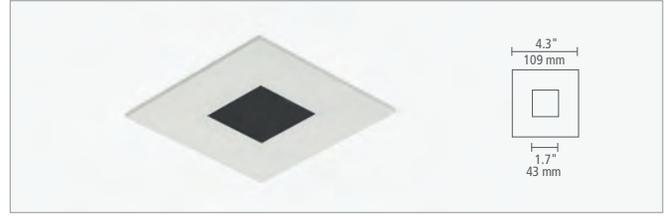
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Skokie, Illinois 60077 F 847.410.4500



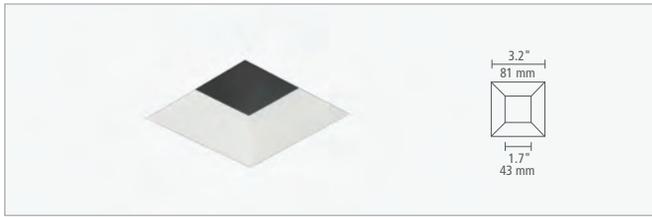
LED



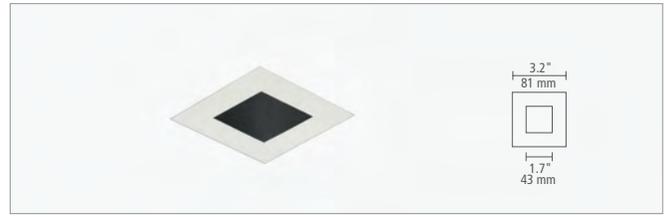
SQUARE FLANGED BEVEL



SQUARE FLANGED FLAT



SQUARE FLANGELESS BEVEL



SQUARE FLANGELESS FLAT

PRODUCT DETAILS

SPECIFICATIONS

- Output: 856 net lumens (Net of LED optic and non-lensed trim)
- Power Consumption: 18 watts
- Efficacy: 48 net lumens/watt
- Color Temperature: 2700K, 3000K or 4000K
- CRI: 86
- Center Beam Candle Power:
 - 15°: 5352 CBCP
 - 25°: 3147 CBCP
 - 40°: 1481 CBCP
- Life: 50,000 hours to 70%
- No UV rays
- Dimmable to 10% with most standard incandescent dimmers
- Minimum Waste: heat sink stays with fixture at end of LED module life
- No mercury and ROHS compliant
- 5-year Warranty

DESCRIPTION

18 watt small aperture LED downlight with architectural appearance. LED module and optics are modular for ease of replacement.

TRIM OPTIONS

Die cast aluminum with minimal thickness. Lensed or open aperture. Lensed and shower aperture include Solite™ soft focus lens at aperture; secured with spring. Back of all trims painted matte black. Available in antique bronze, black, satin nickel, white. White can be field painted to match adjacent finishes. Accommodates up to 2.5" ceiling thickness, depending on trim.

HOUSING

3.5" ceiling opening. Constructed of heavy gauge cold rolled steel and die cast plaster plate (flangeless only) with durable matte black powder coat finish to maintain dark aperture. Airtight and available in IC, non-IC, or Chicago Plenum. Includes integral junction box approved for branch circuit through wiring. ETL listed. Damp listed. Shower version wet listed.

LAMP

Field-replaceable proprietary 18 watt LED module. Three interchangeable optics: 15°, 25° and 40°.

POWER SUPPLY

18 watt isolated; Dimmable digital logic controller operated in constant current mode. Dimmable with most standard incandescent dimmers. 120 volt input.

INSTALLATION

Includes butterfly brackets that attach to the side of the housing and are vertically adjustable with a wing nut. Also includes steel nailer bars. Integral gunsights for positioning with laser levels or string ensure consistent alignment during installation. Flangeless trim units include die cast plaster plate with no-fill collar that installs after the ceiling to prevent cracking by unifying the plate, ceiling, and housing. Plaster plate is to be mudded over directly up to the aperture for seamless appearance.

ORDERING GRID - TRIM

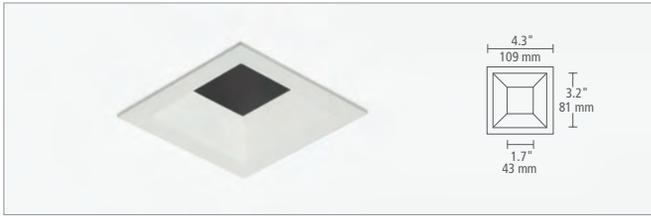
CEILING APPEARANCE	TRIM STYLE	APERTURE	FINISH
E35 F FLANGED up to 1" ceiling thickness	B BEVEL	-O NO LENS	Z ANTIQUE BRONZE
F15 FLANGED 1.1"-1.5" ceiling thickness	F FLAT	-H SHOWER	B BLACK
F20 FLANGED 1.6"-2.0" ceiling thickness		-L LENSED	S SATIN NICKEL
F25 FLANGED 2.1"-2.5" ceiling thickness			W WHITE
L FLANGELESS up to 1" ceiling thickness			



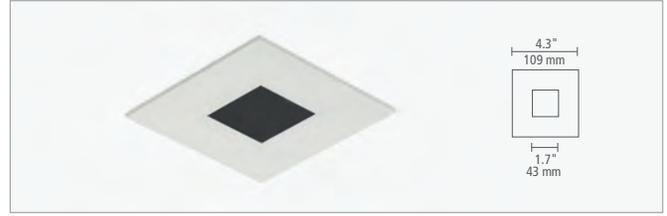
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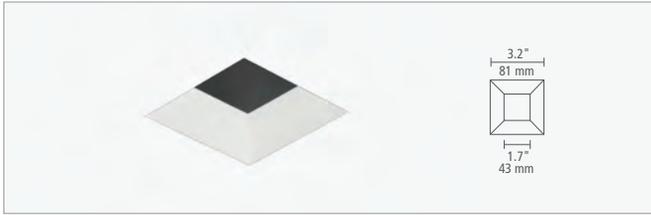
LED



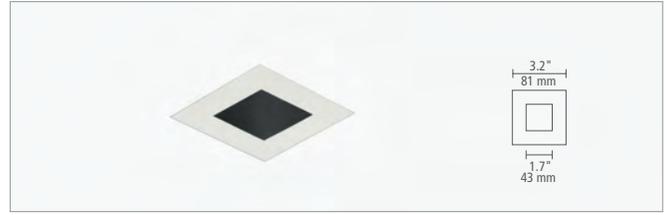
SQUARE FLANGED BEVEL



SQUARE FLANGED FLAT



SQUARE FLANGELESS BEVEL



SQUARE FLANGELESS FLAT

PRODUCT DETAILS

SPECIFICATIONS

- Output: 856 net lumens (Net of LED optic and non-lensed trim)
- Power Consumption: 18 watts
- Efficacy: 48 net lumens/watt
- Color Temperature: 2700K, 3000K or 4000K
- CRI: 86
- Life: 50,000 hours to 70%
- Dimmable to 10% with most standard incandescent dimmers
- 5-year Warranty

DESCRIPTION

Innovative adjustable LED downlight. Features unique **high-low** adjustable LED source to maximize light output or reduce ceiling flash. Adjustability allows hot-aiming with 0° - 40° tilt and 361° rotation.

TRIM OPTIONS

Die cast aluminum with minimal thickness. Lensed or open aperture. Lensed and shower aperture include Solite™ soft focus lens at aperture; secured with spring. Back of all trims painted matte black. Available in Antique Bronze, Black, Satin Nickel, White. White can be field painted to match adjacent finishes. Available in round and square; flanged and flangeless; flat and bevel.

LAMPS

Field-replaceable proprietary 18 watt LED module. Offered in 2700°K, 3000°K and 4000°K. Three interchangeable optics: 15°, 25° and 40°. Accepts two optical controls with included Lens Holder in addition to one trim mounted lens.

HOUSING

3.5" ceiling opening. Accommodates up to 2.5" ceiling thickness, depending on trim. Constructed of heavy gauge cold rolled steel with durable matte black powder coat finish to maintain dark aperture. Airtight and available in IC or non-IC. Includes integral junction box approved for branch circuit through wiring. ETL listed. Damp listed. Shower version wet listed.

POWER SUPPLY

18 watt isolated; Dimmable digital logic controller operated in constant current mode. Dimmable with most standard incandescent dimmers. 120 volt input.

INSTALLATION

Includes butterfly brackets that attach to the side of the housing and are vertically adjustable with a wing nut. Also includes steel nailer bars. Integral gunsights for positioning with laser levels or string ensure consistent alignment during installation. Flangeless trim units include die cast plaster plate with no-fill collar that installs after the ceiling to prevent cracking by unifying the plate, ceiling, and housing. Plaster plate is to be mudded over directly up to the aperture for seamless appearance.

ORDERING GRID - TRIM

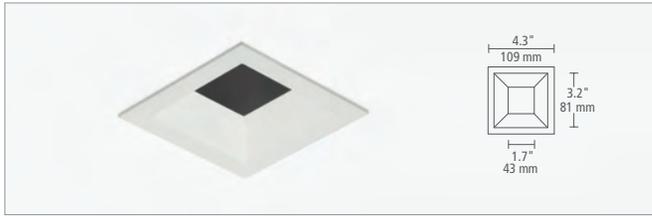
CEILING APPEARANCE	TRIM STYLE	APERTURE	FINISH
E35 F FLANGED up to 1" ceiling thickness	B BEVEL	-O NO LENS	Z ANTIQUE BRONZE
F15 FLANGED 1.1"-1.5" ceiling thickness	F FLAT	-H SHOWER	B BLACK
F20 FLANGED 1.6"-2.0" ceiling thickness		-L LENSED	S SATIN NICKEL
F25 FLANGED 2.1"-2.5" ceiling thickness			W WHITE
L FLANGELESS up to 1" ceiling thickness			



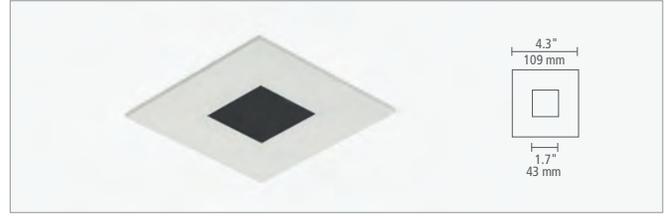
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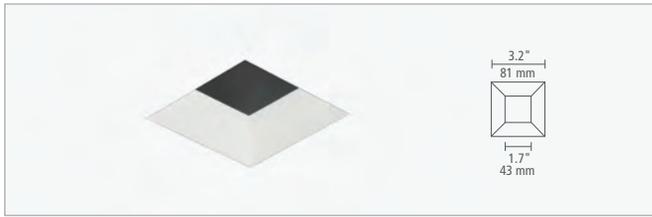
LED



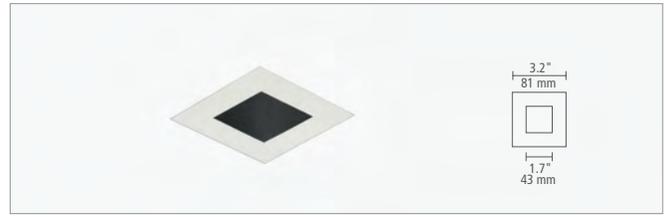
SQUARE FLANGED BEVEL



SQUARE FLANGED FLAT



SQUARE FLANGELESS BEVEL



SQUARE FLANGELESS FLAT

PRODUCT DETAILS

SPECIFICATIONS

- Output: 856 net lumens (Net of LED optic and non-lensed trim)
- Power Consumption: 18 watts
- Efficacy: 48 net lumens/watt
 - Color Temperature: 2700K, 3000K or 4000K
 - CRI: 86
 - Center Beam Candle Power:
 - 15°: 5352 CBCP
 - 25°: 3147 CBCP
 - 40°: 1481 CBCP
- Life: 50,000 hours to 70%
- No UV rays
- Dimmable to 10% with most standard incandescent dimmers
- Minimum Waste: heat sink stays with fixture at end of LED module life
- No mercury and ROHS compliant
- 5-year Warranty

TRIM OPTIONS

Die cast aluminum with minimal thickness. Lensed or open aperture. Lensed and shower aperture include Solite™ soft focus lens at aperture; secured with spring. Back of all trims painted matte black. Available in antique bronze, black, satin nickel, white. White can be field painted to match adjacent finishes. Accommodates up to 2.5" ceiling thickness, depending on trim.

LAMPS

Field-replaceable proprietary 18 watt LED module. Three interchangeable optics: 15°, 25° and 40°. Accepts two optical controls with included Lens Holder in addition to one trim mounted lens.

HOUSING

3.5" ceiling opening. Constructed of heavy gauge cold rolled steel and die cast plaster plate (flangeless only) with durable matte black powder coat finish to maintain dark aperture. Non-IC airtight includes integral junction box approved for branch circuit through wiring. ETL listed. Damp listed. Shower version wet listed. 3.5" depth, designed for shallow ceiling/plenum installations.

POWER SUPPLY

18 watt isolated; Dimmable digital logic controller operated in constant current mode. Dimmable with most standard incandescent dimmers. 120 volt input.

INSTALLATION

Includes butterfly brackets that attach to the side of the housing and are vertically adjustable with a wing nut. Also includes steel nailer bars. Integral gunsights for positioning with laser levels or string ensure consistent alignment during installation. Flangeless trim units include die cast plaster plate with no-fill collar that installs after the ceiling to prevent cracking by unifying the plate, ceiling, and housing. Plaster plate is to be mudded over directly up to the aperture for seamless appearance.

ORDERING GRID - TRIM

	CEILING APPEARANCE	TRIM STYLE	APERTURE	FINISH
E35	F FLANGED up to 1" ceiling thickness	B BEVEL	-O NO LENS	Z ANTIQUE BRONZE
	F15 FLANGED 1.1"-1.5" ceiling thickness	F FLAT	-H SHOWER	B BLACK
	F20 FLANGED 1.6"-2.0" ceiling thickness		-L LENSED	S SATIN NICKEL
	F25 FLANGED 2.1"-2.5" ceiling thickness			W WHITE
	L FLANGELESS up to 1" ceiling thickness			

ELEMENT

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