



ELEMENT  | T~TRAK





ELEMENT | T~TRAK

We are pleased to present you with our latest product catalog, devoted specifically to our architectural lighting systems. In this catalog you will now have the ability to view both ELEMENT and T~TRAK lighting products. By selecting either lighting product you are choosing a brand known for blending quality components, precision engineering and a clean aesthetic style.

In addition to combining both the ELEMENT and T~TRAK catalogs into one complete architectural lighting guide, we have included complete technical information for your system of choice and illumination data for the performance you can expect from our architectural offering.

For More Information

Our Full Line Catalog is extensive, however, more information is available. For detailed specification sheets, product instructions, photometric information, bill of material reference guides and much more, visit www.element-lighting.com or www.ttraklighting.com.

How to buy ELEMENT and T~TRAK Lighting Professional?

ELEMENT and T~TRAK lighting products can be purchased through a network of helpful and knowledgeable sales representatives located throughout North America. To contact the representative nearest you, visit www.element-lighting.com or www.ttraklighting.com, or call us at 847.410.4400.

Consumer?

ELEMENT and T~TRAK products are available in select lighting showrooms throughout North America. To find the showroom nearest you, visit www.element-lighting.com or www.ttraklighting.com.



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Our in-house custom design process adapts to meet the diverse needs of our customers. We can make minor modifications to existing products or create completely unique products specific to your design criteria. By working collaboratively across many in-house disciplines and keeping you informed every step of the way, we deliver the best product possible on time and on budget.

Throughout this catalog you will find thousands of distinctive light fixtures that are in-house and ready to ship right now. But this catalog can also serve as a springboard for your creativity. Every day we talk to some of the country's leading designers who are looking for something special — something truly unique. Each customer has their own set of requirements. Could be aesthetics. Could be performance. Could be price. Whatever your needs, we can deliver a solution. Because our design and engineering takes place in our facility, there is no waiting for overseas responses. We will provide timely and accurate information regarding progression and product lead-times.

STEP 1: IDENTIFY PROJECT SCOPE

Perhaps you just need help laying out a system utilizing standard product. We have CAD modeling software and extensive experience to help you layout a room. Or, perhaps you are looking for something a little different than our cataloged products. We have done it all. From cutting-edge design to value engineering. From simple design tweaks to ground up development. Small runs. Large runs. We will ask a series of questions to understand the scope of your project and then deliver a customized proposal to suit your needs.

STEP 2: CONCEPT DEVELOPMENT

Our design team will create a series of design concepts and realistic computer renderings for your review. With your input, we will further refine the concepts. Our rapid-prototype printer makes it very easy for us to show you a scaled plastic 3D model.

STEP 3: PRODUCT DEVELOPMENT / DELIVERY

Once you have approved the concept, our design team will handoff to engineering. From there, we will create 3D computer models and drawings for our vendors. We source from the best vendors in the U.S. and around the globe. Often, they can create a rapid-sample for your review. With your approval we will proceed to tooling. Once tooling is complete, your final product is brought to life. After approving off-tool samples, we will test for quality and safety and apply for all necessary certifications. Finally, we will inspect the production run and deliver product on time based on a pre-determined fixture schedule.

Contact our Quotations Department at 847.410.4400 for assistance with any custom requests.

railtones

railtones™. Where light and sound combine seamlessly onto a single system for a richer, fuller experience.

railtones is our patent pending wireless speaker system that is mounted to and powered by our low-voltage FreeJack or MonoRail system. The speakers can also be mounted to our line-voltage T~TRAK system, most popular track lighting systems, and even most 6 inch recessed downlights using our adapters.

Set-up is a cinch and the sound quality is superb. Simply connect the speakers as you would any track head, connect the transmitter to almost any audio device, and you instantly have audio without any additional installation.



AUDIO: Uncompressed DVD-quality audio (16-bit, 48kHz sampling).

POWER CONSUMPTION: Maximum 15 watts per speaker.

SYSTEM COMPATIBILITY:

- Speakers operate on our 12 volt or 24 volt low-voltage systems including MonoRail, Two-Circuit MonoRail, and FreeJack (Monopoint).
- Using our FreeJack T~TRAK Adapter: operates on our 120V Single-Circuit and Two-Circuit T~TRAK systems.
- Using our 120V Track Adapter: operates on most popular track lighting systems.
- Using our Recessed Can Adapter: works with any recessed can that is 6 ¼" to 6 ½" in diameter and has "C" shaped hooks on the inside of the can.

MAXIMUM RANGE: Somewhat dependant on the number and thickness of walls in the space, but we do not recommend going beyond 100 feet.

DIMMING: The speakers are fully operable even when the MonoRail system is dimmed to less than 5%.

WIRELESS TRANSMITTER: The transmitter plugs into almost any audio device (with included or optional accessories).

- USB: connects to a computer's USB port.
- 3.5mm Earphone jack: connects to nearly any portable audio system like iPod/iPhone or other MP3 players.
- RCA jack: connects to receiver, stereo, or television (cords may not be included).
- Includes plug-in power supply when using on any device other than a computer which delivers power through the USB connection.

FREQUENCY: The transmitter operates at 2.4 GHz allowing it to transmit further distances when compared to 5.4 GHz. While numerous devices run on this frequency, we have tested the speakers with most common devices without any interference issues. While we don't anticipate any interference issues, it is theoretically possible that in areas of extreme congestion, some interference could occur.

MAXIMUM NUMBER OF SPEAKERS: No limit.

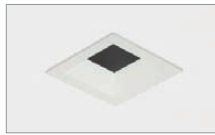
SPEAKER CHANNELS: Includes easy switch on the back of the speaker to select either left, right or mono (left + right).

THREE ZONE CAPABILITY: If using multiple sets of speakers in different locations, this allows them to be controlled individually. The zone can be adjusted on the transmitter and the speakers.

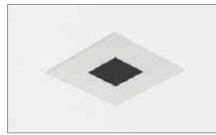
INFRARED REMOTE CONTROL: Includes power and volume control and four pre-set equalizer options; the user can control the speakers individually (e.g. they don't all have to be at the same volume level). The remote can transmit approximately 30 feet.

SUB-WOOFER: Can be purchased to provide additional bass support. Includes 4" driver (sold separately).

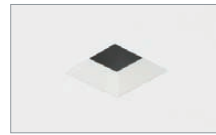
3" SERIES - LED DOWNLIGHT 



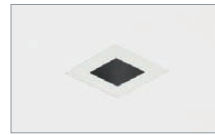
Square Flanged Bevel
p. 18



Square Flanged Flat
p. 18



Square Flangeless Bevel
p. 18



Square Flangeless Flat
p. 18



Round Flanged Bevel
p. 20



Round Flanged Flat
p. 20

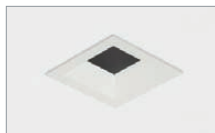


Round Flangeless Bevel
p. 20

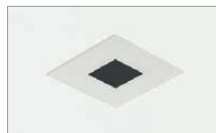


Round Flangeless Flat
p. 20

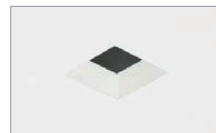
3" SERIES - HALOGEN AND CMH MR16 ADJUSTABLE AND DOWNLIGHT  



Square Flanged Bevel
p. 24



Square Flanged Flat
p. 24



Square Flangeless Bevel
p. 24



Square Flangeless Flat
p. 24



Round Flanged Bevel
p. 26



Round Flanged Flat
p. 26



Round Flangeless Bevel
p. 26



Round Flangeless Flat
p. 26

3" SERIES - HALOGEN AND CMH MR16 WALL WASH  



Square Flanged Wall Wash
p. 28



Square Flangeless Wall Wash
p. 28

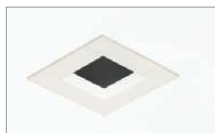


Round Flanged Wall Wash
p. 30

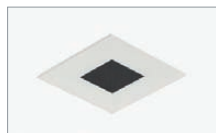


Round Flangeless Wall Wash
p. 30

3" SERIES - HALOGEN AND CMH MR16 REMODEL ADJUSTABLE  



Square Bevel
p. 34



Square Flat
p. 34



Round Bevel
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Round Flat
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6" SERIES - INCANDESCENT, COMPACT FLUORESCENT AND CMH DOWNLIGHT



Square Flanged Regressed
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Square Flangeless Regressed
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Round Flanged Regressed
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Round Flangeless Regressed
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Square Flanged Open
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Square Flangeless Open
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Round Flanged Open
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Round Flangeless Open
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FLUSH MOUNTS



Boxie
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Chambers
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Mulberry
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Pendenza Round
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Pendenza Square
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Polly
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Telesto
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 Indicates which fixtures are available in LED.



PAR16

Aero*
Incandescent PAR
p. 92



CMH PAR30 LONG

Breeze
CMH PAR
p. 85



T4.5

Breeze
CMH T4
p. 86



PAR30 SHORT
PAR30 LONG

Breeze
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LED

Envision
LED
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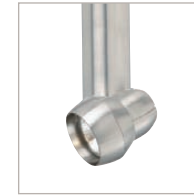
T4.5

Gamma
CMH T4
p. 78



T3

Gamma
Double End Halogen
p. 76



CMH MR16

Om
CMH MR16 w/ Integral Ballast
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CMH MR16
CMH PAR20
CMH PAR30 LONG

Om
CMH MR16/PAR
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T4.5

Om
CMH T4
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PAR16
PAR20
PAR30 LONG
PAR30 SHORT

Om
Incandescent PAR
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MR16

Om
Low-Voltage MR16
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PAR16

Pod
Incandescent PAR
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CMH MR16
CMH PAR20
CMH PAR30 LONG

Sportster
CMH MR16/PAR
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PAR16
PAR20
PAR30
PAR38

Sportster
Incandescent PAR
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CMH PAR20

Spot
CMH PAR
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PAR20
PAR30 SHORT

Spot
Incandescent PAR
p. 72



CMH MR16
CMH PAR20
CMH PAR30 LONG


Tweak
CMH MR16/PAR
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PAR16
PAR20
PAR30
PAR38

Tweak
Incandescent PAR
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* Shown accessorized.
Accessories sold separately.

 Indicates which fixtures are also available in Compact Fluorescent.



Cabo Grande
p. 104 



Delancey
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Dillon
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Echo
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Fino Large
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Trimble Grande
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We are constantly looking to improve our LED performance. Therefore, be sure to visit www.techlighting.com and www.ttraklighting.com for the most updated LED product information.

LOW-VOLTAGE LED PENDANT ASSEMBLY*

Power Consumption:	6 watts
Color Temperature:	3000K
Lumens:	275 net lumens
Lumens/Watt:	46 lms/watt
Color Rendering Index:	85 CRI
Rated Average Life:	>30,000 hours to 70%
Center Beam Candle Power:	500



LOW-VOLTAGE LED HELIOS HEAD*

Power Consumption:	6 watts
Color Temperature:	3000K
Lumens:	275 net lumens
Lumens/Watt:	46 lms/watt
Color Rendering Index:	85 CRI
Rated Average Life:	>30,000 hours to 70%
Center Beam Candle Power:	25° - 1200; 40° - 500



* patent pending

T~TRAK LOW-VOLTAGE FREEJACK CONNECTOR

Use to adapt any low-voltage FreeJack head or pendant to T~TRAK system. Order one T~TRAK FreeJack Connector for each FreeJack head and pendant. Specify Single-Circuit T~TRAK or Two-Circuit T~TRAK.

Includes transformer. 75 watt version dimmable with a standard incandescent dimmer. 60 watt LED version dimmable with low-voltage electronic dimmer.



SYSTEM	FINISH	TYPE
700 TT SINGLE-CIRCUIT T~TRAK	CHEDFJ S SATIN NICKEL	12V 75W ELECTRONIC TRANSFORMER
TT2 TWO-CIRCUIT T~TRAK	W WHITE	-LED 12V 60W ELECTRONIC TRANSFORMER

All of the FreeJack heads and pendants shown on these pages can be used on T~TRAK. Order a T~TRAK FreeJack Connector (sold separately, above) for each FreeJack head or pendant. Refer to www.techlighting.com or Tech Lighting Catalog for color options, specifications, and ordering codes.



Indicates which fixtures are available in LED.



Autumn Wind



Biz



Boreal



Brulée



Cabo



Camille



Cheers



Cone



Coronado



Cube



Cue



Diz



Egypt



Essex



Fab



Fire



Firebird



Firefrit



Firefrost



Hanging Wok



Inner Fire



Kiev



Melrose



Melt





Meteor



Meteor Frit



Mini Echo



Mini Edge



Mini Hudson



Mini Larkspur



Mini Melrose



Mini Mulberry



Mini Ovation



Mini Starry Night



Mini Taza



Monet



Moon



Nebbia



Niko



Oak Park



Pelé



Peyton



Pinnacle



Piper



Playa



Pleat



Prism



Pyramid



Raindrop



River Rock Oblong Oval



River Rock Soft Round



River Rock Wedge



Sahara



Savoy



Scavo



Silva



Silver Glaze



Sky



Small Nest



Soleil



Solitude



Sophia



Sugar



Summit



Sydney



Tetra



Torpedo*



Trimble



Veil



Vino



Waffle



LOW-VOLTAGE HEADS



Aero*



Cam



Curly Moon



Curly Raindrop



Curly Torpedo*



Elton



Envision



Helios*



John



Mini Om*



Pod



Scania



Sportster



Spot



Sprocket*



Swivel*



T156



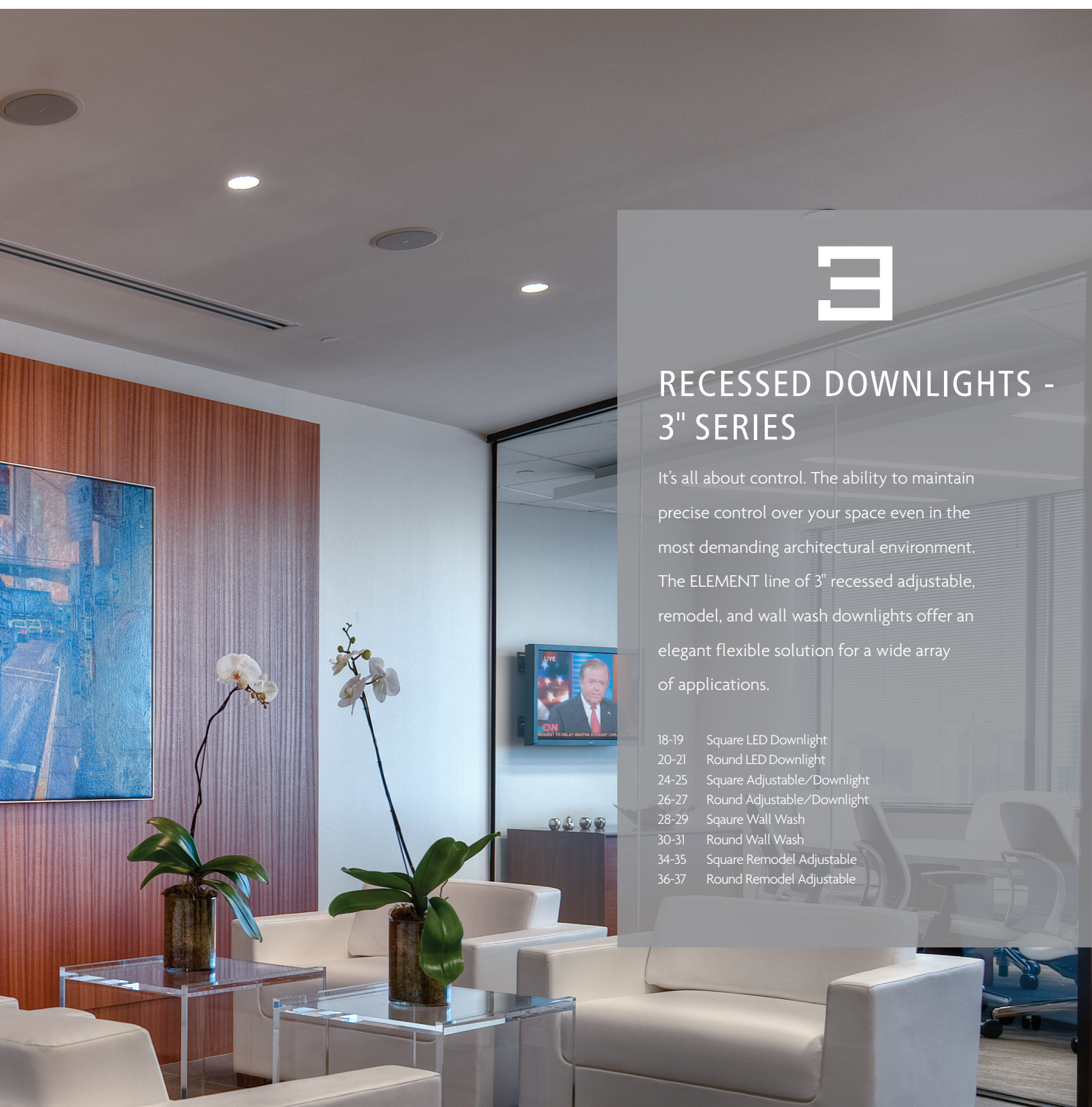
Tele*



Tilt*

*Shown accessorized.





RECESSED DOWNLIGHTS - 3" SERIES

It's all about control. The ability to maintain precise control over your space even in the most demanding architectural environment. The ELEMENT line of 3" recessed adjustable, remodel, and wall wash downlights offer an elegant flexible solution for a wide array of applications.

- 18-19 Square LED Downlight
- 20-21 Round LED Downlight
- 24-25 Square Adjustable/Downlight
- 26-27 Round Adjustable/Downlight
- 28-29 Square Wall Wash
- 30-31 Round Wall Wash
- 34-35 Square Remodel Adjustable
- 36-37 Round Remodel Adjustable

3" Round Series Flangeless Flat / CMH MR16 Lamps

Installing ELEMENT™ is easy. Product includes butterfly brackets and adjustable steel hanger bars. Flanged trims have minimal thickness. Flangeless trims include a crack-resistant plaster plate with no-fill collar that installs after the ceiling to prevent plaster cracking by unifying the plate, ceiling and housing. Integral gunsights for positioning with laser levels ensure consistent alignment during installation.



Install housing to the ceiling joists with the adjustable steel hanger bars (shown above).



Mount gypsum board to ceiling and walls.

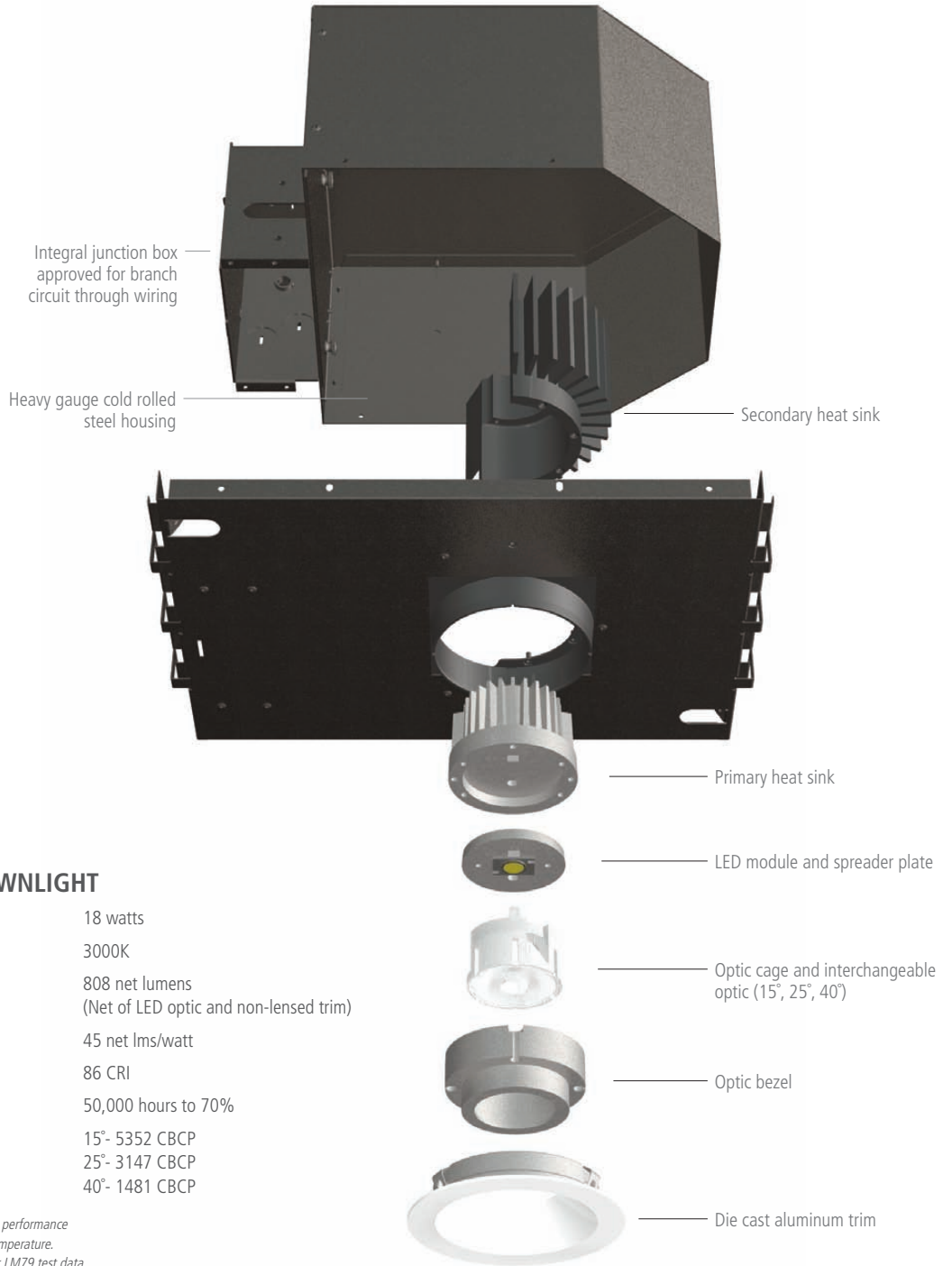


Place plaster plate into the aperture. Screw in with supplied hardware. Easily attaches to housing with provided screws.



Skim coat around the plaster plate and up to the aperture for a seamless appearance.

Design and performance meet in our 18 watt, 120V LED recessed downlight. Three interchangeable optics. Components are modular for ease of service. Trims are die cast aluminum for minimal thickness. Available in bronze, black, satin nickel and field-paintable white; round and square; flanged and flangeless; flat or bevel. Housing is constructed of heavy gauge cold rolled steel with durable matte black powder coat finish to maintain dark aperture. Airtight. IC, non-IC, or Chicago Plenum. For additional features and technical specifications visit www.element-lighting.com.



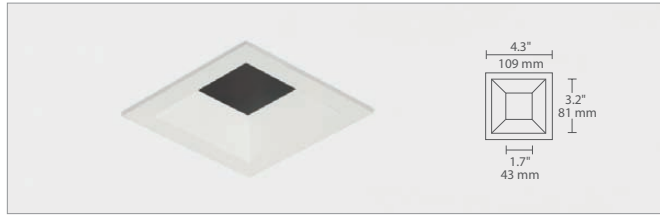
ELEMENT 3" LED DOWNLIGHT

Power Consumption:	18 watts
Color Temperature:	3000K
Lumens:	808 net lumens (Net of LED optic and non-lensed trim)
Lumens/Watt:	45 net lms/watt
Color Rendering Index:	86 CRI
Rated Average Life:	50,000 hours to 70%
Center Beam Candle Power:	15°- 5352 CBCP 25°- 3147 CBCP 40°- 1481 CBCP

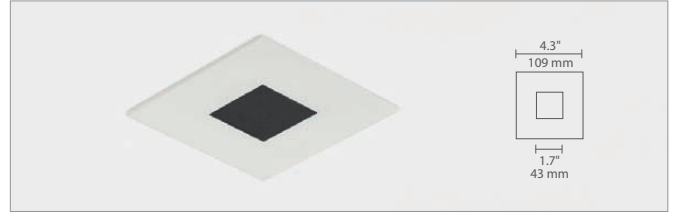
Note: All specifications involving life and performance are based upon a 25°C ambient temperature. See www.element-lighting.com for LM79 test data.



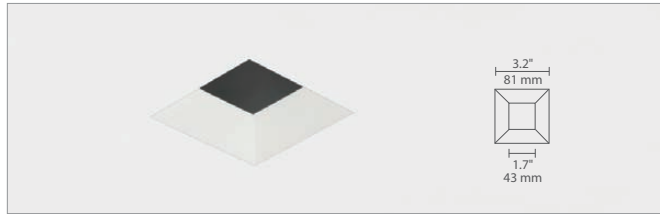
LED



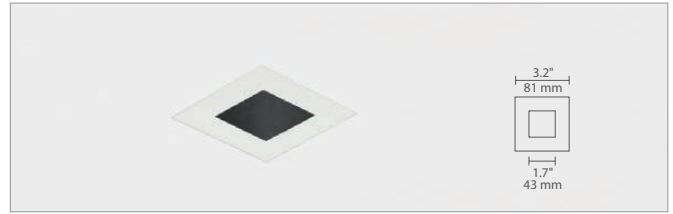
SQUARE FLANGED BEVEL



SQUARE FLANGED FLAT



SQUARE FLANGELESS BEVEL



SQUARE FLANGELESS FLAT

PRODUCT DETAILS

DESCRIPTION

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

SPECIFICATIONS

- Output: 808 net lumens (Net of LED optic and non-lensed trim)
- Power Consumption: 18 watts
- Efficacy: 46 net lumens/watt
- Color Temperature: 3000K
- 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%
- Minimum Waste: heat sink stays with fixture at end of LED module life
- No mercury and ROHS compliant
- 3-year Warranty

Note: All specifications involving life and performance are based upon a 25°C ambient temperature. See www.element-lighting.com for LM79 test data.

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.

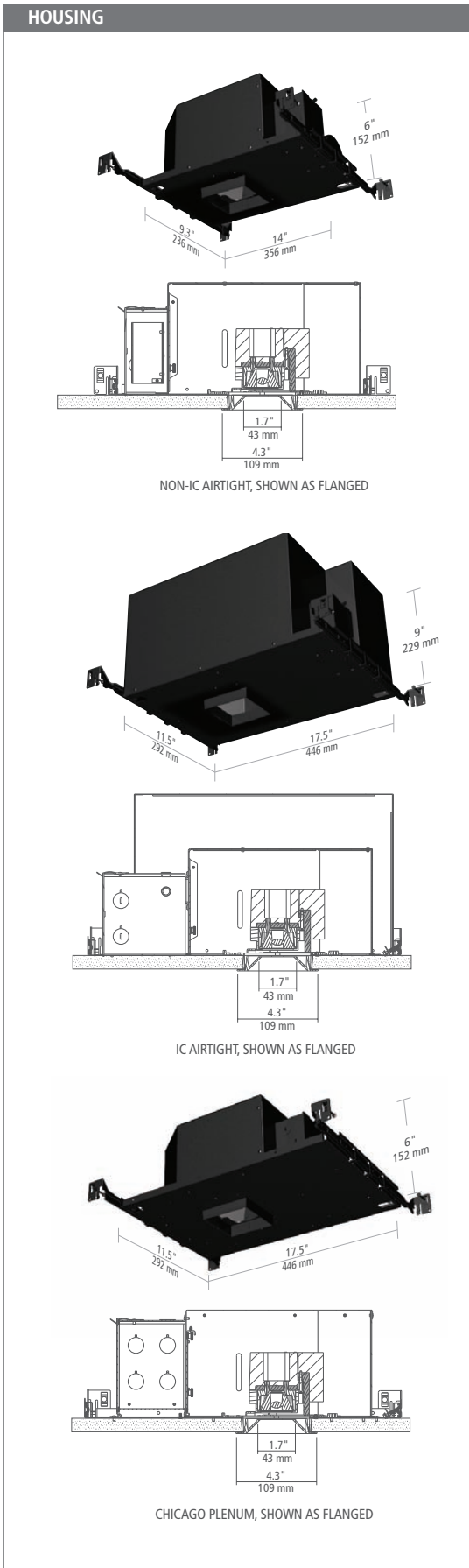
ORDERING GRID - HOUSING

	CEILING APPEARANCE	TRIM STYLE	LAMP	FUNCTION	HOUSING RATING
E35	F FLANGED	B BEVEL	-L31 LED 15°	D DOWN	I IC AIRTIGHT
	L FLANGELESS	F FLAT	-L32 LED 25°		N NON-IC AIRTIGHT
			-L34 LED 40°		C CHICAGO PLENUM

Trim and housing ship separately. Fill out the first and second order grid options: E35FF-L32DN and E35FF-OS

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			





LED



ROUND FLANGED BEVEL



ROUND FLANGED FLAT



ROUND FLANGELESS BEVEL



ROUND FLANGELESS FLAT

PRODUCT DETAILS

DESCRIPTION

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

SPECIFICATIONS

- Output: 808 net lumens (Net of LED optic and non-lensed trim)
- Power Consumption: 18 watts
- Efficacy: 46 net lumens/watt
- Color Temperature: 3000K
- 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%
- Minimum Waste: heat sink stays with fixture at end of LED module life
- No mercury and ROHS compliant
- 3-year Warranty

Note: All specifications involving life and performance are based upon a 25°C ambient temperature. See www.element-lighting.com for LM79 test data.

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.

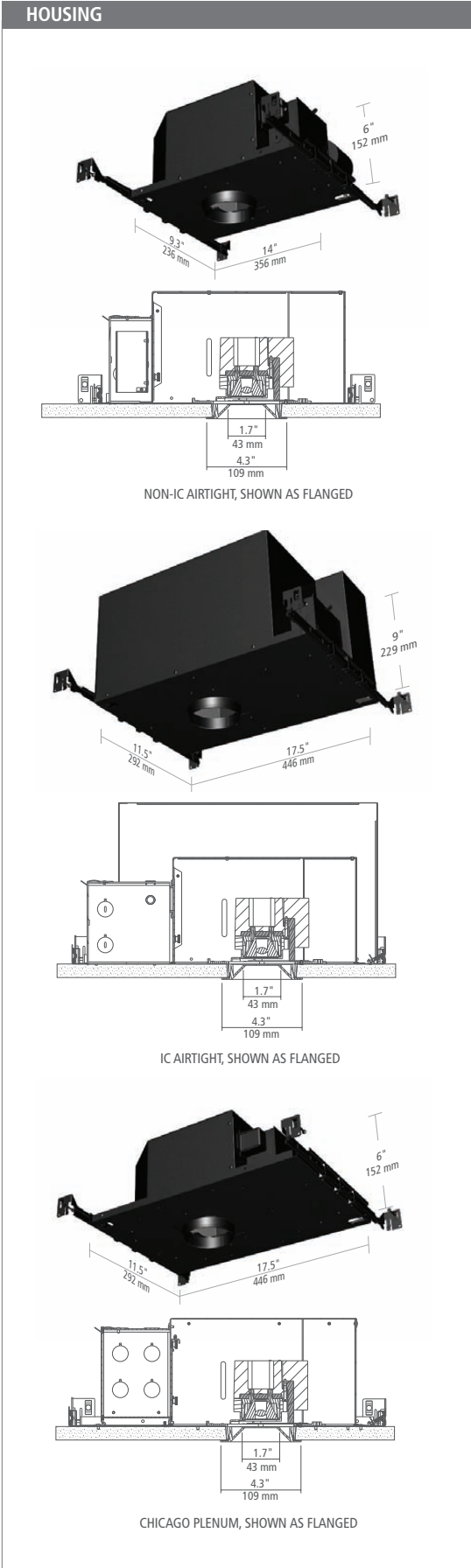
ORDERING GRID - HOUSING

	CEILING APPEARANCE	TRIM STYLE	LAMP	FUNCTION	HOUSING RATING
E3R	F FLANGED	B BEVEL	-L31 LED 15°	D DOWN	I IC AIRTIGHT
	L FLANGELESS	F FLAT	-L32 LED 25°		N NON-IC AIRTIGHT
			-L34 LED 40°		C CHICAGO PLENUM

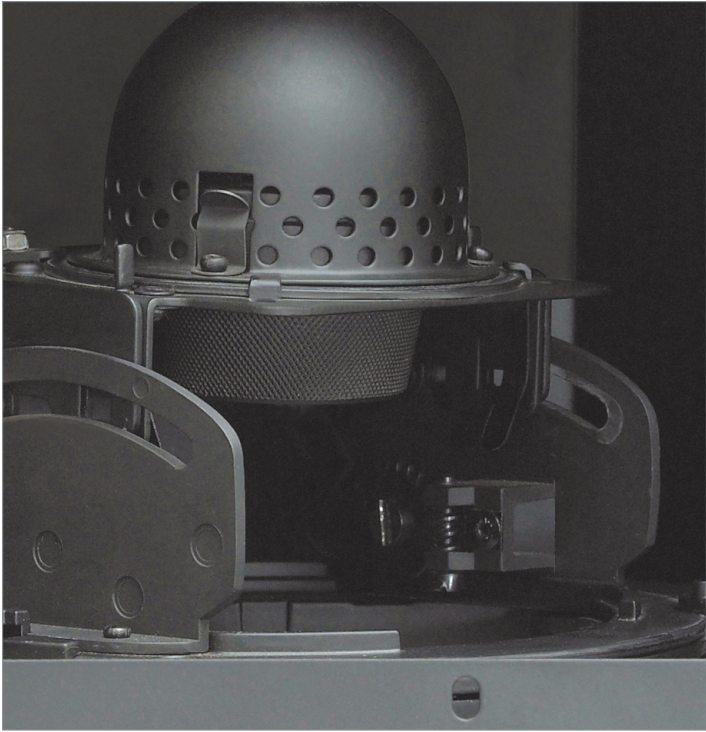
Trim and housing ship separately. Fill out the first and second order grid options: E3RFF-L32DN and E3RFisF-OS

ORDERING GRID - TRIM

	CEILING APPEARANCE	TRIM STYLE	APERTURE	FINISH
E3R	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	S 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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0° - 40° TILT ADJUSTMENT

- Center beam maintained through 0° - 40° Tilt with hot aiming
- Gear-driven, self-locking Tilt maintains aim during re-lamping
- Maintains maximum light output through aperture from 0° - 40°
- Lamp position ensures minimal glare from below the ceiling



TOOL-LESS LOCKING 361° PAN ROTATION

- Easy to use cam lever for rotation lock (shown in locked position)
- Moving rotation stop allows for up to 361° rotation without any dead spots



LENS LOCK & RE-LAMPING

Once position of lamp and lens orientation are set by rotating snoot (180° rotation), lamp and optical controls can be locked in place by tightening lens lock screw to ensure focus and aim remain constant.



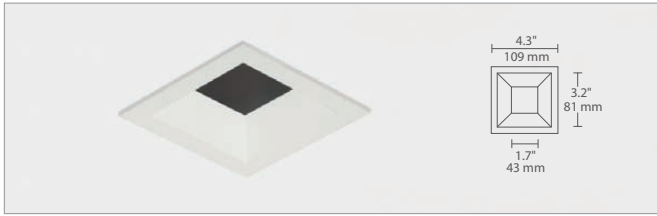
CAPTIVE THREE LENS SYSTEM

- Up to 3 optical controls lock in place to ensure constant aiming with asymmetric lenses
- Glare-reducing snoot

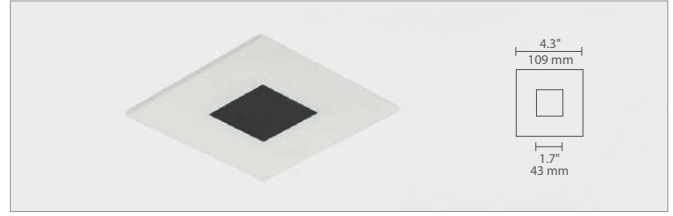




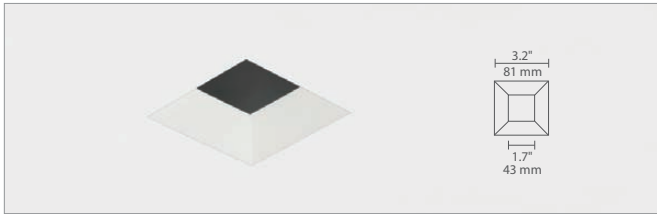
HALOGEN MR16/CMH MR16



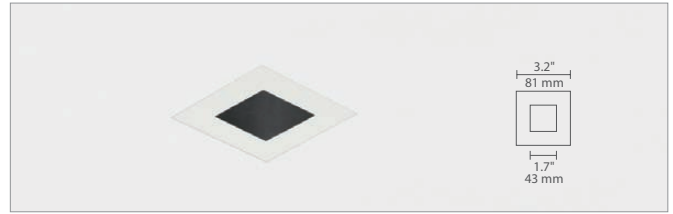
SQUARE FLANGED BEVEL



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 - HOUSING

CEILING APPEARANCE	TRIM STYLE	LAMP	FUNCTION	HOUSING RATING	TRANSFORMER	WATTAGE RESTRICTION*	VOLTAGE**	
E3S	F FLANGED	B BEVEL	-H HALOGEN MR16	A ADJUSTABLE	I IC AIRTIGHT	M MAGNETIC	NONE	120 VOLT
	L FLANGELESS	F FLAT	-C20 20 WATT CMH MR16	D DOWN	N NON-IC AIRTIGHT	E ELECTRONIC	-WR* WATTAGE RESTRICTION	-277 277 VOLT
			-C39 39 WATT CMH MR16		C CHICAGO PLENUM	R REMOTE		
				<i>IC not available in CMH or Halogen with Electronic Transformer</i>		<i>Leave blank for CMH; CMH includes Electronic CMH Ballast</i>		

Trim and housing ship separately. Fill out the first and second order grid options: E3SFB-HANM and E3SFB-LW.

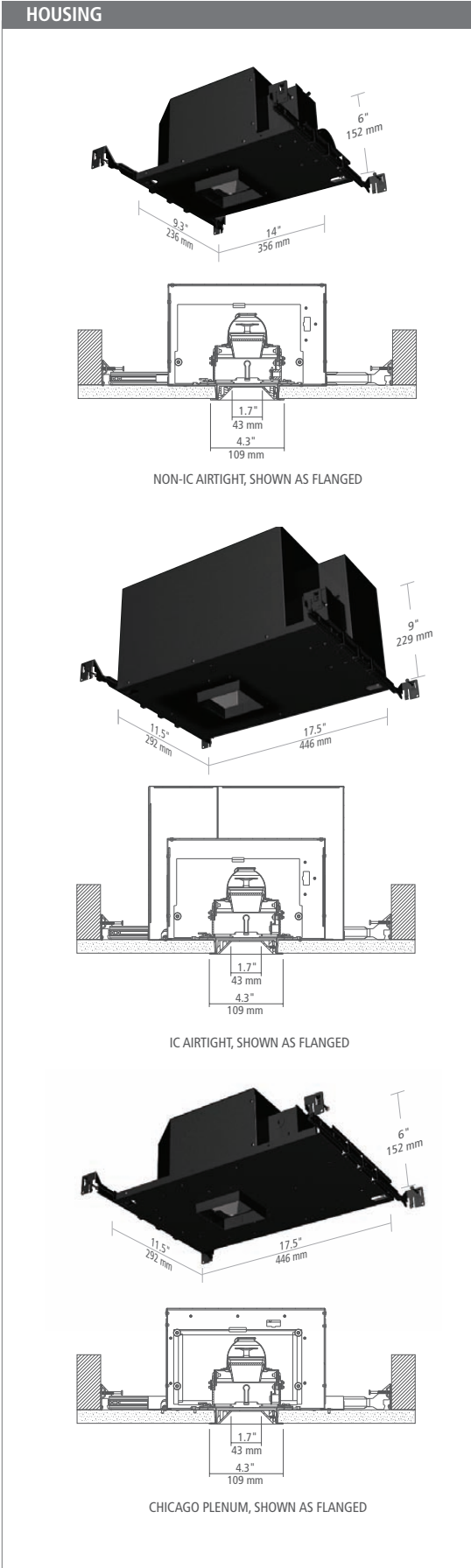
* To include wattage restriction label, specify -WR at the end of the housing item number and specify wattage (Example: -WR37)

** To specify 277 Volt, add -277 to end of the housing item number (Example: E3SFB-HANM-277).

ORDERING GRID - TRIM

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

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





HALOGEN MR16/CMH MR16



ROUND FLANGED BEVEL



ROUND FLANGED FLAT



ROUND FLANGELESS BEVEL



ROUND FLANGELESS FLAT

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 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 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: E3RFB-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 - HOUSING

CEILING APPEARANCE	TRIM STYLE	LAMP	FUNCTION	HOUSING RATING	TRANSFORMER	WATTAGE RESTRICTION*	VOLTAGE**
E3R	F FLANGED	B BEVEL	A ADJUSTABLE	I IC AIRTIGHT	M MAGNETIC	NONE	120 VOLT
	L FLANGELESS	F FLAT	D DOWN	N NON-IC AIRTIGHT	E ELECTRONIC	-WR* WATTAGE RESTRICTION	-277 277 VOLT
				C CHICAGO PLENUM	R REMOTE		
				<i>IC not available in CMH or Halogen with Electronic Transformer</i>		<i>Leave blank for CMH; CMH includes Electronic CMH Ballast</i>	

Trim and housing ship separately. Fill out the first and second order grid options: E3RFF-HANM and E3RFF-LW.

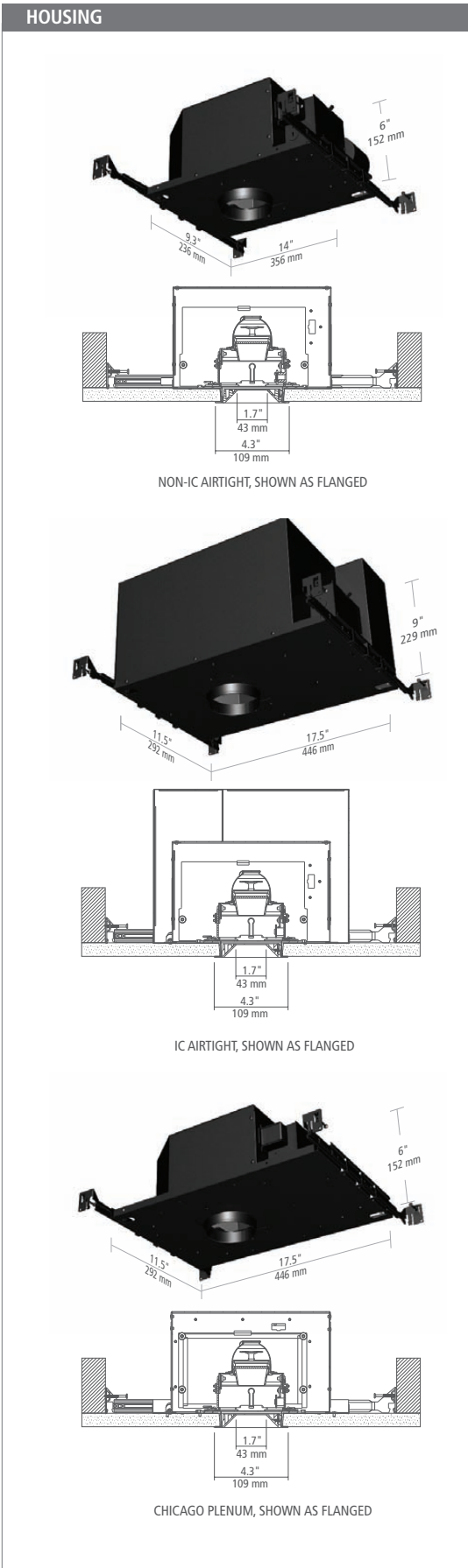
* To include wattage restriction label, specify -WR at the end of the housing item number and specify wattage (Example: -WR37)

** To specify 277 Volt, add -277 to end of the housing item number (Example: E3RFF-HANM-277).

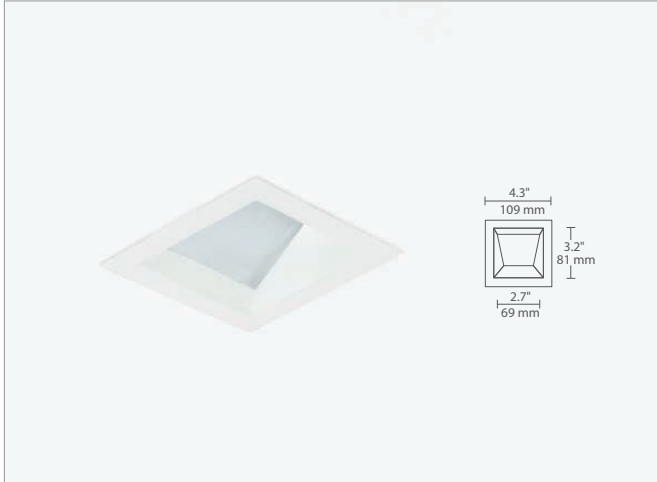
ORDERING GRID - TRIM

CEILING APPEARANCE	TRIM STYLE	APERTURE	FINISH
E3R	F FLANGED up to 1" ceiling thickness	B BEVEL	-O NO LENS
	F15 FLANGED 1.1"-1.5" ceiling thickness	F FLAT	-H SHOWER
	F20 FLANGED 1.6"-2.0" ceiling thickness		-L LENSED
	F25 FLANGED 2.1"-2.5" ceiling thickness		
	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°



HALOGEN MR16/CMH MR16



SQUARE FLANGED WALL WASH



SQUARE FLANGELESS WALL WASH

PRODUCT DETAILS

DESCRIPTION

Halogen or CMH MR16 wall wash with architectural appearance. Dedicated wall wash with fixed lamp position. Trim equipped with internal reflector and angled, frosted linear spread lens which creates consistent and even horizontal and vertical illumination. Will not accept additional optical controls.

TRIM OPTIONS

Die cast aluminum with minimal thickness. Includes internal reflector and angled, frosted linear spread lens at aperture. Available in antique bronze, black, satin nickel, white. White can be field painted to match adjacent finishes.

HOUSING

3.5" ceiling opening. Accommodates up to 1" ceiling thickness. Pan rotation adjusts 361° to accommodate all housing installations. 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.

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: E3SFW-HNM-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 - HOUSING

	CEILING APPEARANCE	FUNCTION	LAMP	HOUSING RATING	TRANSFORMER	WATTAGE RESTRICTION*	VOLTAGE**
E3S	F FLANGED	W WALL WASH	-H HALOGEN MR16	I IC AIRTIGHT	M MAGNETIC	NONE	120 VOLT
			-C20 20 WATT CMH MR16	N NON-IC AIRTIGHT	E ELECTRONIC	-WR* WATTAGE RESTRICTION	-277 277 VOLT
	L FLANGELESS	W WALL WASH	-C39 39 WATT CMH MR16	C CHICAGO PLENUM	R REMOTE		
				<i>IC not available in CMH or Halogen with Electronic Transformer</i>	<i>Leave blank for CMH; CMH includes Electronic CMH Ballast</i>		

Trim and housing ship separately. Fill out the first and second order grid options: E3SFW-HNM and E3SFW-H/S.

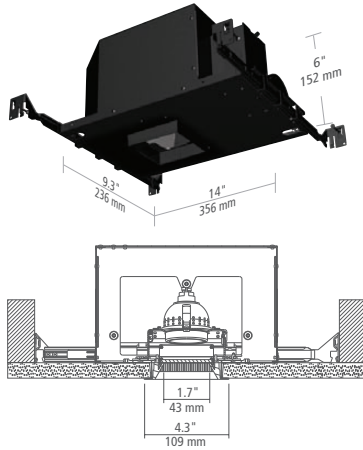
* To include wattage restriction label, specify -WR at the end of the housing item number and specify wattage (Example: -WR37)

** To specify 277 Volt, add -277 to end of the housing item number (Example: E3SFW-HNM-277).

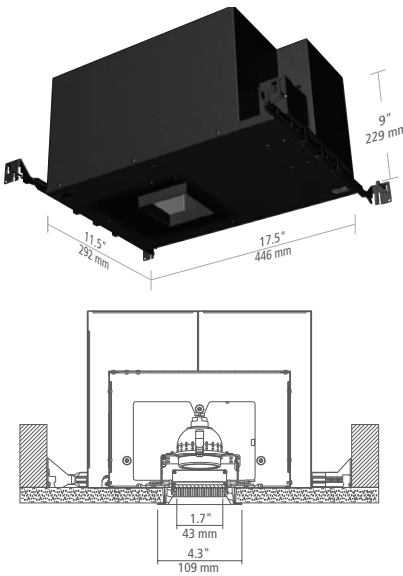
ORDERING GRID - TRIM

	CEILING APPEARANCE	FUNCTION	APERTURE	FINISH
E3S	F FLANGED	W WALL WASH	-O NO LENS	Z ANTIQUE BRONZE
			-H SHOWER	B BLACK
	L FLANGELESS	W WALL WASH	-L LENSED	S SATIN NICKEL
				W WHITE

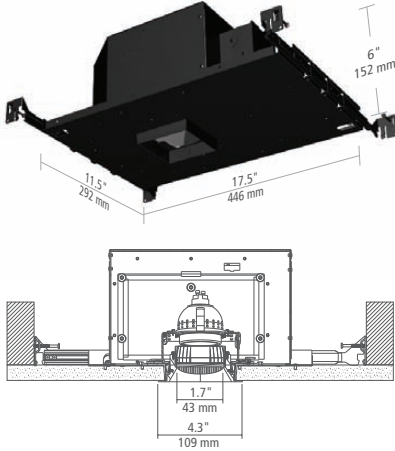
HOUSING



NON-IC AIRTIGHT, SHOWN AS FLANGED



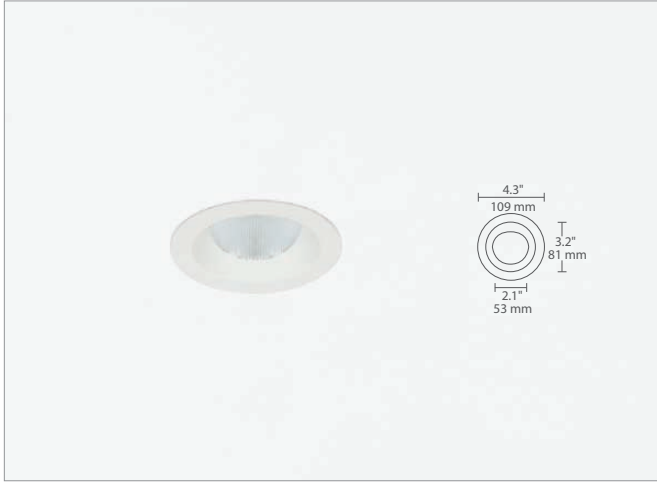
IC AIRTIGHT, SHOWN AS FLANGED



CHICAGO PLENUM, SHOWN AS FLANGED



HALOGEN MR16/CMH MR16



ROUND FLANGED WALL WASH



ROUND FLANGELESS WALL WASH

PRODUCT DETAILS

DESCRIPTION

Halogen or CMH MR16 wall wash with architectural appearance. Dedicated wall wash with fixed lamp position. Trim equipped with internal reflector and angled, frosted linear spread lens which creates consistent and even horizontal and vertical illumination. Will not accept additional optical controls.

TRIM OPTIONS

Die cast aluminum with minimal thickness. Includes internal reflector and angled, frosted linear spread lens at aperture. Available in antique bronze, black, satin nickel, white. White can be field painted to match adjacent finishes.

HOUSING

3.5" ceiling opening. Accommodates up to 1" ceiling thickness. Pan rotation adjusts 361° to accommodate all housing installations. 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.

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: E3RFW-HNM-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 - HOUSING

CEILING APPEARANCE	FUNCTION	LAMP	HOUSING RATING	TRANSFORMER	WATTAGE RESTRICTION*	VOLTAGE**	
E3R	F FLANGED L FLANGELESS	W WALL WASH	-H HALOGEN MR16	I IC AIRTIGHT	M MAGNETIC	NONE	120 VOLT
			-C20 20 WATT CMH MR16	N NON-IC AIRTIGHT	E ELECTRONIC	-WR* WATTAGE RESTRICTION	-277 277 VOLT
			-C39 39 WATT CMH MR16	P CHICAGO PLENUM	R REMOTE		
				<i>IC not available in CMH or Halogen with Electronic Transformer</i>	<i>Leave blank for CMH; CMH includes Electronic CMH Ballast</i>		

Trim and housing ship separately. Fill out the first and second order grid options: E3RFW-C20NM and E3RFW-LS.

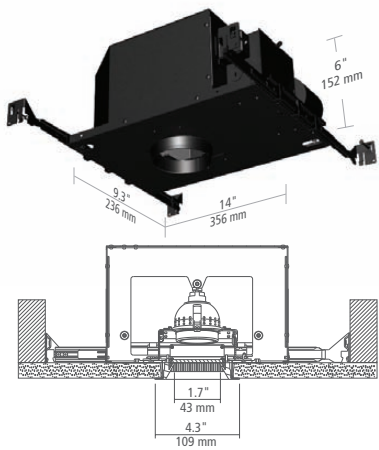
* To include wattage restriction label, specify -WR at the end of the housing item number and specify wattage (Example: -WR37)

** To specify 277 Volt, add -277 to end of the housing item number (Example: E3RFW-HNM-277).

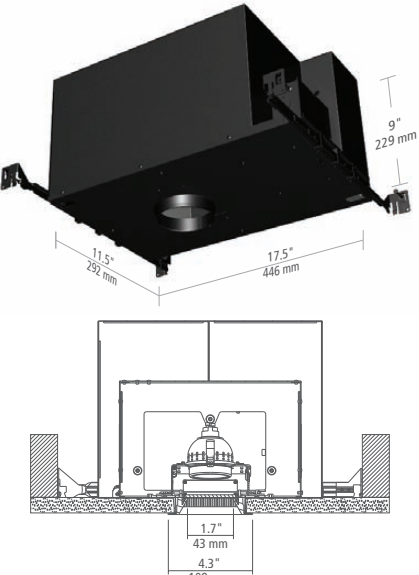
ORDERING GRID - TRIM

CEILING APPEARANCE	FUNCTION	APERTURE	FINISH	
E3R	F FLANGED L FLANGELESS	W WALL WASH	-O NO LENS	Z ANTIQUE BRONZE
			-H SHOWER	B BLACK
			-L LENSED	S SATIN NICKEL
				W WHITE

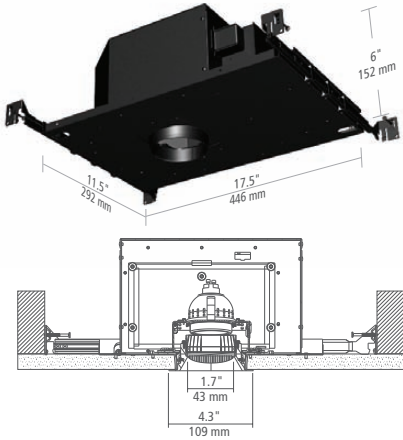
HOUSING



NON-IC AIRTIGHT, SHOWN AS FLANGED



IC AIRTIGHT, SHOWN AS FLANGED



CHICAGO PLENUM, SHOWN AS FLANGED





0° - 35° TILT ADJUSTMENT

- Center beam maintained through 0° - 35° Tilt with hot aiming
- Tilt maintains aim during re-lamping
- Maintains maximum light output through aperture from 0° - 35°
- Lamp position ensures minimal glare from below the ceiling



0° TILT



35° TILT



LOCKING 353° IN-HOUSE PAN ROTATION

- Screw for locking rotation
- Moving rotation stop allows for up to 353° rotation
- Housing can be rotated for no dead spots



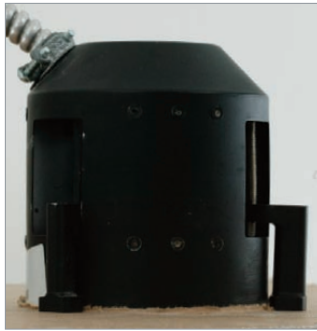
0° ROTATION



90° ROTATION

LOW-PROFILE HOUSING

- Fits easily within 4.25" ceiling opening
- Accommodates .5" up to 2" ceiling thickness
- Brackets are driven by screw for maximum clamping force to provide robust mounting to ceiling



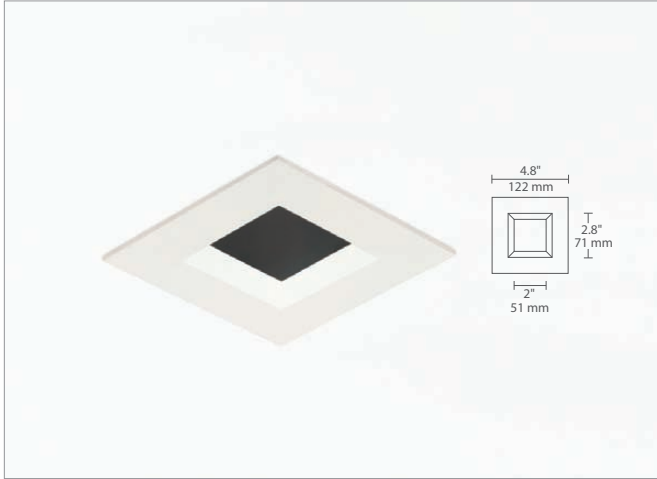
CAPTIVE TWO LENS SYSTEM

- Up to 2 lenses lock in place to ensure constant aiming with linear spread lenses
- Glare-reducing snoot

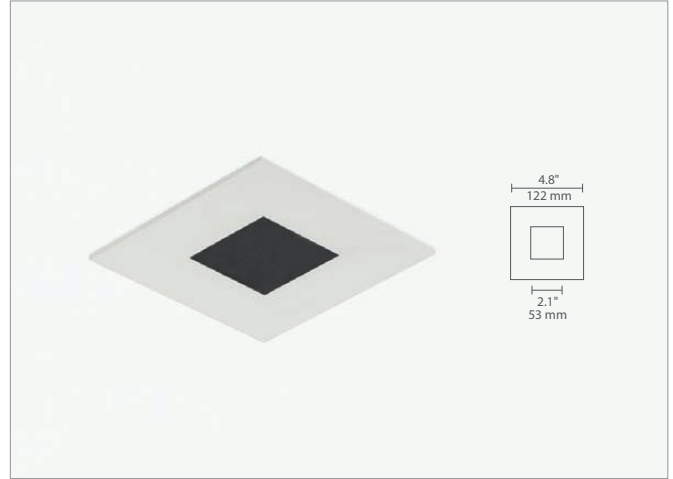




HALOGEN MR16/CMH MR16



SQUARE BEVEL



SQUARE FLAT

PRODUCT DETAILS

DESCRIPTION

Halogen or CMH MR16 remodel downlight with architectural appearance. 0-35° tilt and 353° in-house rotation, includes hot aiming and locking. Unique lamp mounting system allows up to 2 optical controls. Lens Olock for use with linear spread lenses.

TRIM OPTIONS

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

OPTICAL CONTROLS

Hot aiming allows 0-35° center beam tilt and 353° rotation. Up to 2 optical controls are captive inside lamp mounting system which includes integral glare reducing snoot. Lamp mounting is keyed to maintain precise focus during relamping. Optical controls ordered separately, see page 38.

LAMP

Low-voltage Halogen MR16 (50W max) or CMH MR16 (20W or 39W). To include wattage restriction label, specify -WR at the end of the 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 120 Volt electronic or magnetic transformer per specification. CMH ships with electronic CMH ballast. To specify 277 Volt, add -277 to end of housing item number (Example E3SRB-HANM-277).

INSTALLATION

Use standard 4 1/4" hole saw. After inserting the housing, brackets are driven by screw for maximum clamping force to provide robust mounting to ceiling. Integral gunsights for positioning with laser levels or string ensure consistent alignment during installation.

ORDERING GRID - HOUSING								
CONSTRUCTION	TRIM STRLE	LAMP	FUNCTION	HOUSING RATING	TRANSFORMER	WATTAGE RESTRICTION*	VOLTAGE**	
E35	R REMODEL	B BEVEL	-H HALOGEN MR16 -C20 20 WATT CMH MR16 -C39 39 WATT CMH MR16	A ADJUSTABLE	N NON-IC, NON AIRTIGHT	M MAGNETIC	NONE	120 VOLT
		F FLAT				E ELECTRONIC	-WR* WATTAGE RESTRICTION	-277 277 VOLT
		<small>Leave blank for CMH: CMH includes Electronic CMH Ballast</small>						

Trim and housing ship separately. Fill out the first and second order grid options: *E3SRB-HANM* and *E3SRB-OS*

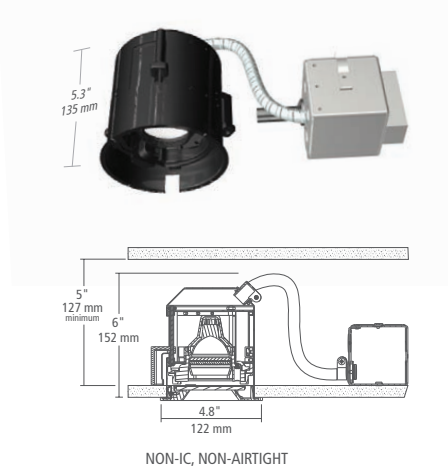
* To include wattage restriction label, specify -WR at the end of the housing item number and specify wattage (Example: -WR37)

** To specify 277 Volt, add -277 to end of the housing item number (Example: E3SRB-HANM-277).

ORDERING GRID - TRIM				
CONSTRUCTION	TRIM STRLE	APERTURE	FINISH	
E35	R REMODEL	B BEVEL	-O NO LENS	Z ANTIQUE BRONZE
		F FLAT	-H SHOWER	B BLACK
		-L LENSED	S SATIN NICKEL	
			W WHITE	

HOUSING

Designed to fit easily within a 4 1/4" ceiling opening. Accommodates 1/2" up to 2" ceiling thickness. Constructed of heavy gauge cold rolled steel with durable matte black powder coat finish to maintain dark aperture. Junction box connected via 3' long flexible armored cabling to allow for ease of installation. Approved for branch circuit through wiring. ETL listed. Damp listed. Shower version wet listed.

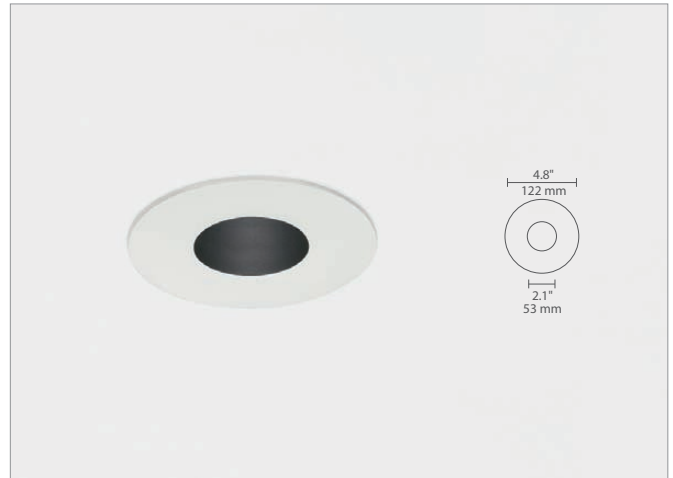




HALOGEN MR16/CMH MR16



ROUND BEVEL



ROUND FLAT

PRODUCT DETAILS

DESCRIPTION

Halogen or CMH MR16 remodel downlight with architectural appearance. 0-35° tilt and 353° in-house rotation, includes hot aiming and locking. Unique lamp mounting system allows up to 2 optical controls. Lens lock for use with asymmetric lenses.

TRIM OPTIONS

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

OPTICAL CONTROLS

Hot aiming allows 0-35° center beam tilt and 353° rotation. Up to 2 optical controls are captive inside lamp mounting system which includes integral glare reducing snoot. Lamp mounting is keyed to maintain precise focus during relamping. Optical controls ordered separately, see page 38.

LAMP

Low-voltage Halogen MR16 (50W max) or CMH MR16 (20W or 39W). To include wattage restriction label, specify -WR at the end of the 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 120 Volt electronic or magnetic transformer per specification. CMH ships with electronic CMH ballast. To specify 277 Volt, add -277 to end of housing item number (Example E3RRB-HANM-277).

INSTALLATION

Use standard 4 1/4" hole saw. After inserting the housing, brackets are driven by screw for maximum clamping force to provide robust mounting to ceiling. Integral gunsights for positioning with laser levels or string ensure consistent alignment during installation.

ORDERING GRID - HOUSING

CONSTRUCTION	TRIM STRLE	LAMP	FUNCTION	HOUSING RATING	TRANSFORMER	WATTAGE RESTRICTION*	VOLTAGE**	
E3R	R REMODEL	B BEVEL	-H HALOGEN MR16 -C20 20 WATT CMH MR16 -C39 39 WATT CMH MR16	A ADJUSTABLE	N NON-IC, NON AIRTIGHT	M MAGNETIC	NONE	120 VOLT
		F FLAT				E ELECTRONIC	-WR* WATTAGE RESTRICTION	-277 277 VOLT
		<small>Leave blank for CMH; CMH includes Electronic CMH Ballast</small>						

Trim and housing ship separately. Fill out the first and second order grid options: E3RKB-HANM and E3RKB-OS.

* To include wattage restriction label, specify -WR at the end of the housing item number and specify wattage (Example: -WR37)

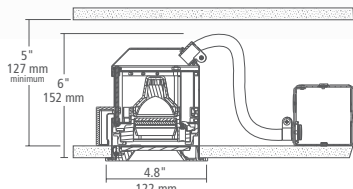
** To specify 277 Volt, add -277 to end of the housing item number (Example: E3RRB-HANM-277).

ORDERING GRID - TRIM

CONSTRUCTION	TRIM STRLE	APERTURE	FINISH
E3R	R REMODEL	B BEVEL	-O NO LENS
		F FLAT	-H SHOWER
		-L LENSED	
		Z ANTIQUE BRONZE	B BLACK
		S SATIN NICKEL	W WHITE

HOUSING

Designed to fit easily within a 4 1/4" ceiling opening. Accommodates 1/2" up to 2" ceiling thickness. Constructed of heavy gauge cold rolled steel with durable matte black powder coat finish to maintain dark aperture. Junction box connected via 3' long flexible armored cabling to allow for ease of installation. Approved for branch circuit through wiring. ETL listed. Damp listed. Shower version wet listed.



NON-IC, NON-AIRTIGHT



OPTICAL CONTROLS

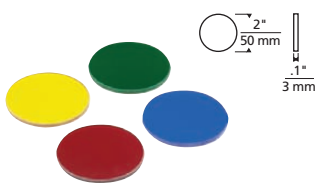
ELEMENT offers a selection of compatible lenses and optical controls designed to help you control your light. To maintain and adjust focus of linear spread and other lenses, lamp cartridge is keyed and rotation-lockable. Round optical controls fit in trim aperture and lamp cartridge. Square optical controls fit in aperture only.



Lenses lock in place to ensure constant aiming

COLORED LENSES

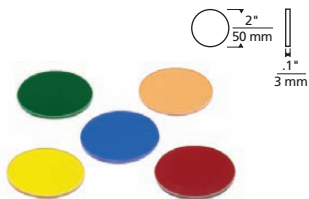
Colored lenses wash the light with color.



TYPE	COLOR
EL2R FIL COLORED LENS	BLU BLUE GRN GREEN RED RED YEL YELLOW

DICHROIC LENSES

Dichroic lenses filter light for a pure effect.



TYPE	COLOR
EL2R DIC COLORED LENS	BLU BLUE GRN GREEN PCH COSMETIC PEACH RED RED YEL YELLOW

CLEAR LENS

Transmits light without altering color or beam spread.



EL2RGL

ADDITIONAL PARTS

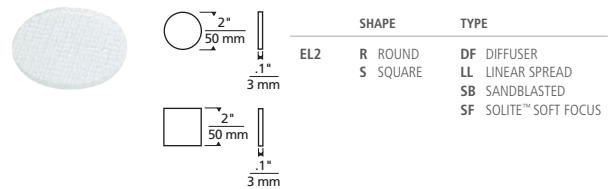
LENS CLIPS

Can be used to convert 3" non-lensed version into lensed (not for wet location).

Adjustable / Downlight and LED	Remodel
Square Flat: 240E3SQLSP	Square Flat: 240E3RSQLSP
Square Bevel: 240E3SBLSP	Square Bevel: 240E3RSBLSP
Round Flat: 240E3RDLSLSP	Round Flat: 240E3RRDLSP
Round Bevel: 240E3RBLSP	Round Bevel: 240E3RRBLSP

DIFFUSER, SPREAD, SANDBLASTED, & SOFT FOCUS LENSES

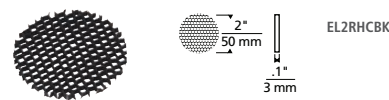
Diffuser lenses change the beam pattern; linear spread lenses elongate it; sandblasted and soft focus lenses soften and diffuse the beam taking away distinct pattern, edges and stray images from lamps.



SHAPE	TYPE
EL2 R ROUND	DF DIFFUSER
S SQUARE	LL LINEAR SPREAD
	SB SANDBLASTED
	SF SOLITE™ SOFT FOCUS

EGGCRATE LOUVER

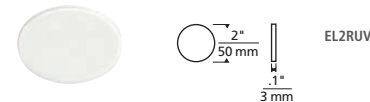
Eggcrate louver cuts glare from lamp.



EL2RHCBK

UV FILTER (OPTIVEX™)

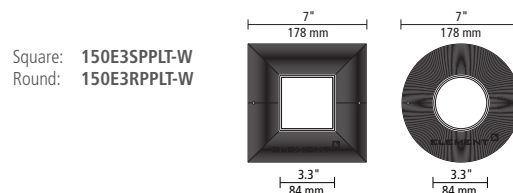
UV filter blocks UV radiation while transmitting high quality visible light.



EL2RUV

PLASTER PLATES

Can be used to convert 3" unit into flangeless. Not compatible with 3" Remodel series. Compatible with flangeless trim options only. Sold separately.



Square: **150E3SPPLT-W**
Round: **150E3RPPLT-W**

REMOTE TRANSFORMER FOR HALOGEN MR16

Remote transformers install in an accessible location behind the ceiling or wall. For technical information on remote transformers, see below.



INPUT VOLTAGE OUTPUT VOLTAGE WATTAGE TYPE	ITEM NUMBER	COMPATIBLE DIMMER TYPE	COMPATIBLE DIMMING COIL	277 VOLT INPUT OPTION
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SINGLE-FEED OPTIONS

	1 x 120v 12v 1 x 150 watts Magnetic	700AT150T	low-voltage magnetic 600 watts	700DIM150 (below)	700AT150T277
	1 x 120v 12v 1 x 300 watts Magnetic	700AT300T	low-voltage magnetic 600 watts	700DIM300 (below)	700AT300T277
	1 x 120v 12v 1 x 300 watts Electronic	700AT300EL	low-voltage electronic 600 watts	—	—

DUAL-FEED OPTIONS

	1 x 120v 12v 2 x 300 watts Magnetic	700AT600T	low-voltage magnetic 1000 watts	700DIM600 (below)	700AT600T277
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SELECTING A TRANSFORMER

The transformer is the key to a low-voltage system. The total output wattage of the transformers determines the total wattage of the ELEMENT fixtures that can be powered. For example, a 300 watt transformer can power up to six 50 watt lamps (6 x 50 = 300).

There are several transformer options from which to choose. Knowing the advantages of each will help you to select the best transformer for your application.

MAGNETIC



Magnetic transformers have historically been the choice of lighting professionals due to their reliability. We offer a wide range of output wattages for magnetic transformers. When dimming a magnetic transformer, it is important to use a low-voltage magnetic dimmer.

VS.



ELECTRONIC

Electronic transformers are much smaller and lighter than their magnetic counterparts and have the advantage of being resettable at the wall switch in the event of a system short circuit. We offer 12 volt electronic remote transformers with 300 watt outputs. When dimming an electronic transformer, it is important to use a low-voltage electronic dimmer.

DIMMING

All Tech Lighting transformers may be dimmed with the appropriate dimmer: a low-voltage magnetic dimmer for a magnetic transformer; a low-voltage electronic dimmer for an electronic transformer, or a standard incandescent dimmer where indicated. The dimmer is placed on the line-voltage side of the input line. Consult the transformer chart above for the compatible dimmer type. **It is very important to use the compatible dimmer type: failure to do so can create undesirable noise and shorten the useful life of the transformer.**

Remote transformers are generally placed outside the room, so any buzzing that may be caused by dimming is not noticeable. If using a remote magnetic transformer and a buzzing noise is apparent, a debuzzing dimming coil may be wired in series on one of the 120 volt input lines. Select the correct dimming coil (see below) based on the wattage of your transformer.



DEBUZZING DIMMING COIL ALONE

	DIAMETER	DEPTH
700DIM150	1.75"	.75"
700DIM300	2.25"	1.00"
700DIM600	4.75"	1.00"





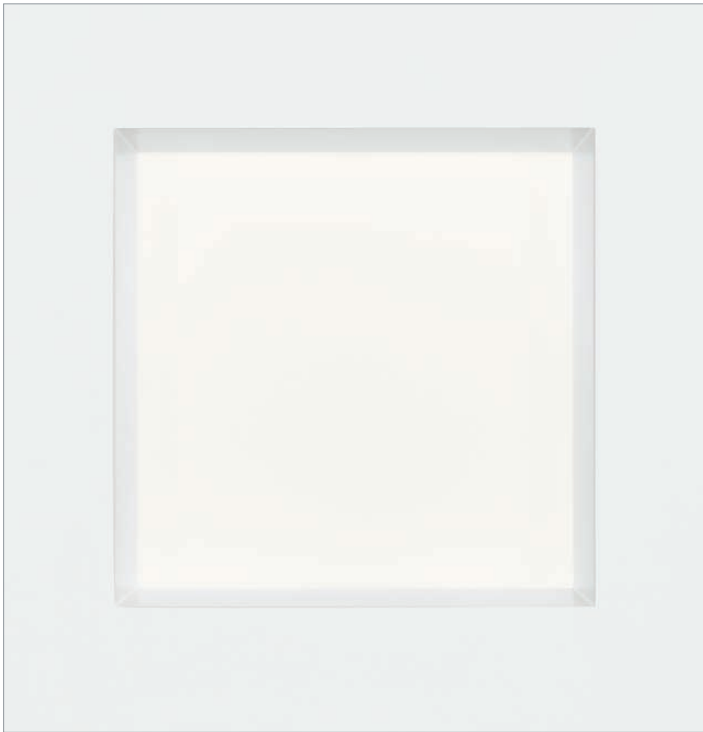
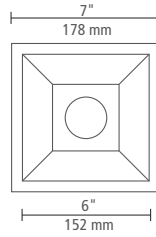
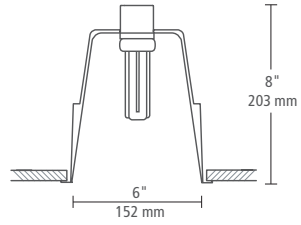
RECESSED DOWNLIGHTS - 6" SERIES

Offered as open or regressed lens with myriad incandescent, CMH and CFL lamping options. All trims are constructed of die cast aluminum making them extremely robust and completely seamless. The flangeless version is truly flangeless, without a visible lip of any kind from below the ceiling. Pure geometry and seamless corners make the 6" offering an exceptionally clean design.

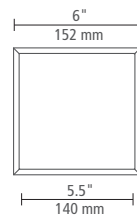
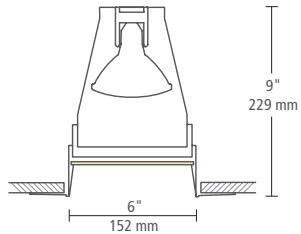
- 44-45 Square Regressed
- 46-47 Round Regressed
- 48-49 Square Open
- 50-51 Round Open



6" SQUARE OPEN
- Shown in Flanged trim



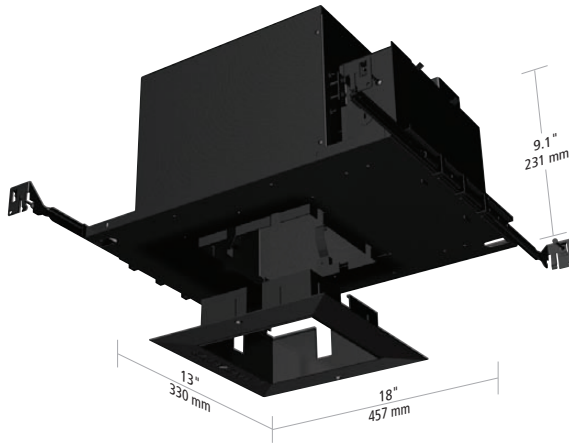
6" SQUARE REGRESSED
- Shown in Flangeless trim



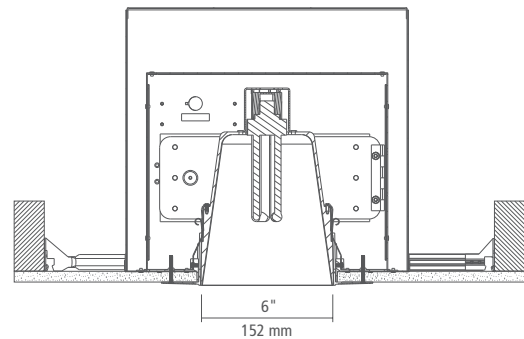
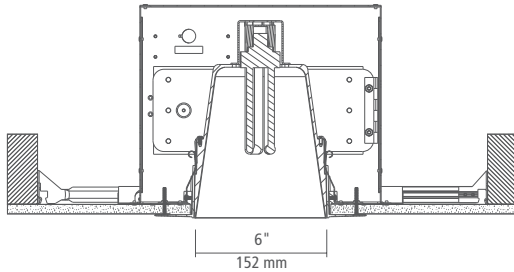
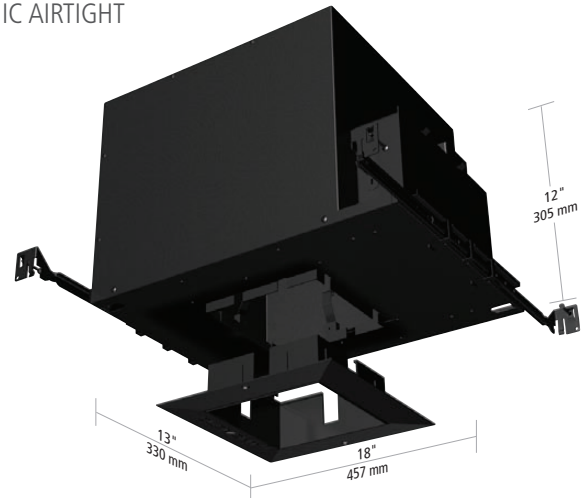
HOUSING CONSTRUCTION

Housing constructed of heavy gauge cold rolled steel with durable matte black powder coat finish. Accommodates up to 1.5" ceiling thickness. Includes integral junction box and is available in IC or Non-IC Airtight. CFL includes dual voltage (120/277 Volt) non-dimmable, dimmable or emergency battery back-up electronic ballast and GX24Q-3 socket that accepts either a 26 or 32 Watt triple tube lamp. CMH 20 and 39 Watt version includes dual voltage (120/277 Volt) electronic ballast; CMH 70 Watt version includes 120 or 277 Volt electronic ballast. CMH and Incandescent versions include Medium Base sockets. In Open versions, socket ships with trims. ETL listed. Damp listed. For installation see page 16.

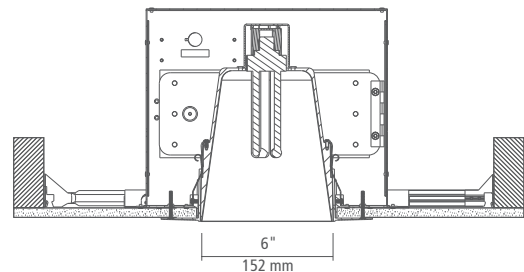
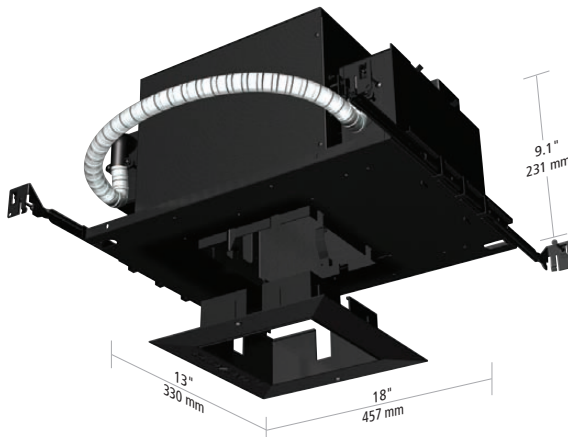
NON-IC AIRTIGHT



IC AIRTIGHT

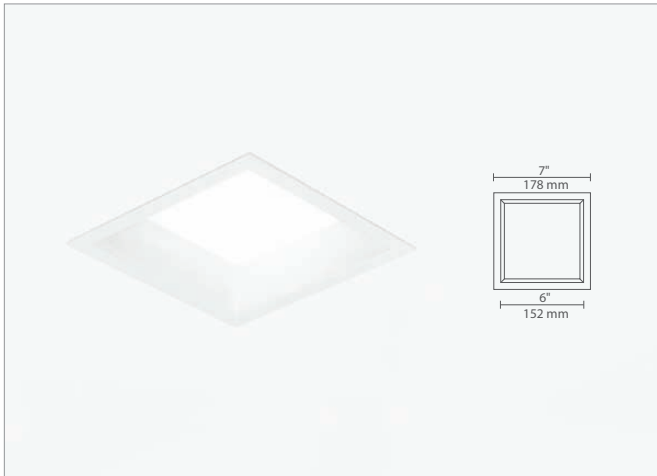


NON-IC AIRTIGHT EMERGENCY

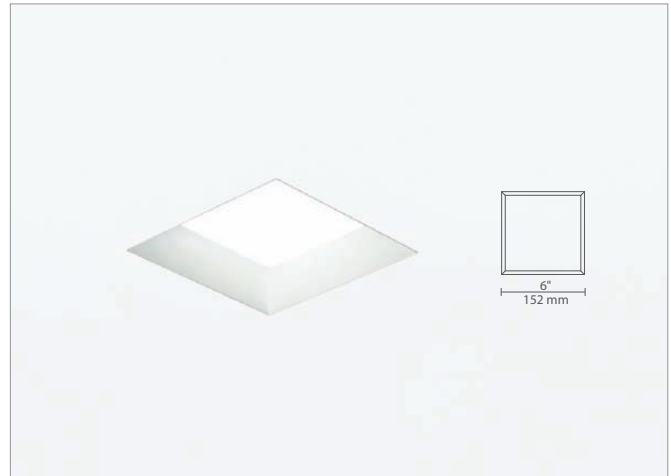




INCANDESCENT / CMH / CFL



SQUARE FLANGED REGRESSED



SQUARE FLANGELESS REGRESSED

PRODUCT DETAILS

DESCRIPTION

Modern interpretation of specification grade conventional downlighting based on the principles of the ELEMENT line – integrating recessed lighting with architectural design. Pure geometry and seamless corners make the regressed option an exceptionally clean design element.

TRIM OPTIONS

Constructed of die cast aluminum making them extremely robust and completely seamless. The flangeless version is truly flangeless, without a visible lip of any kind from below the ceiling. Available in white. Offered with either frost or opal white lens.

HOUSING

6" ceiling opening. Accommodates up to 1.5" ceiling thickness. Constructed of heavy gauge cold rolled steel with durable matte black powder coat finish. Airtight and available in IC or non-IC. Includes integral junction box approved for branch circuit through wiring. ETL listed. Wet listed.

LAMP

Medium base incandescent (150W max in Non-IC, 90W max in IC). Medium base CMH (20W, 39W or 70W). GX24Q-3 triple tube CFL (universal 26W or 32W socket and ballast). To include wattage restriction label, specify -WR at the end of the housing item number and specify wattage (Example: -WR26). Lamps ordered separately, see pages 147-148. For bare lamp photometry, see pages 141-145. For fixture photometry, see www.element-lighting.com.

BALLAST

CMH 20W, 39W and CFL options include dual voltage (120/277V) electronic ballasts. 70W CMH option includes 120 or 277V electronic ballast. CFL offered with dimmable, non-dimmable or emergency battery back-up. CFL dimmable version dimmable with class 1 or class 2 low-voltage 0-10VDC dimmer. Pre-assembled, nylon sleeved wire bundles and an all-in-one quick disconnect reduces wire clutter in the housing and junction box, creates simple disconnects for socket and ballast wires, and provides mistake-free wire connections. A hinged door allows for toolless entry to the junction box from below the ceiling. Ballast is mounted to the door and swings out over the aperture for easy access. Stacked door assembly insulates ballast from heat in/on housing.

INSTALLATION

An oversized junction box provides ample room for field wiring and through branch circuits. 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 - HOUSING						
CEILING APPEARANCE	TRIM STYLE	LAMP	HOUSING RATING	WATTAGE RESTRICTION*	VOLTAGE**	
E6S	F FLANGED	R REGRESSED	-I INCANDESCENT	I IC AIRTIGHT	NONE	-120 120 VOLT
	L FLANGELESS		-C20 CMH 20 WATT	N NON-IC AIRTIGHT	-WR* WATTAGE RESTRICTION	-277 277 VOLT
			-C39 CMH 39 WATT	<i>IC not available in CMH or CFL with Emergency Ballast</i>		
			-C70 CMH 70 WATT			
			-F32 CFL 32 WATT			
			-F32EM CFL 32 WATT EMERGENCY BALLAST			
			-F32D CFL 32 WATT DIMMABLE			

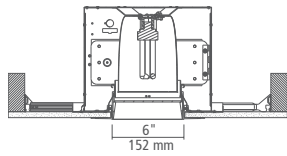
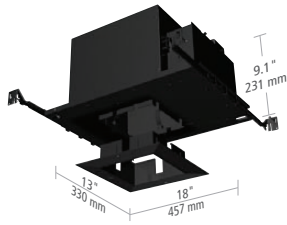
Trim and housing ship separately. Fill out the first and second order grid options: E6SFR-II and E6SFR-FW.

* To include wattage restriction label, specify -WR at the end of the housing item number and specify wattage (Example: -WR26)

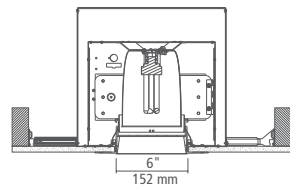
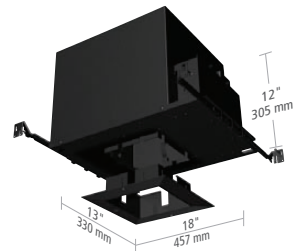
** Must specify input voltage for CMH 70 Watt housings only. All other CMH and CFL housings are universal. (Example: E6SFR-C70N-120 or E6SFR-C70N-277).

ORDERING GRID - TRIM				
CEILING APPEARANCE	TRIM STYLE	LENS	FINISH	
E6S	F FLANGED	R REGRESSED	-F FROSTED LENS	W WHITE
	L FLANGELESS		-O OPAL WHITE LENS	

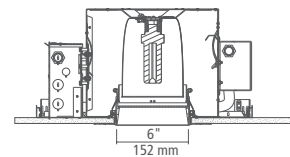
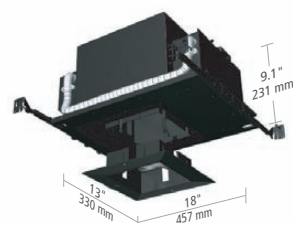
HOUSING



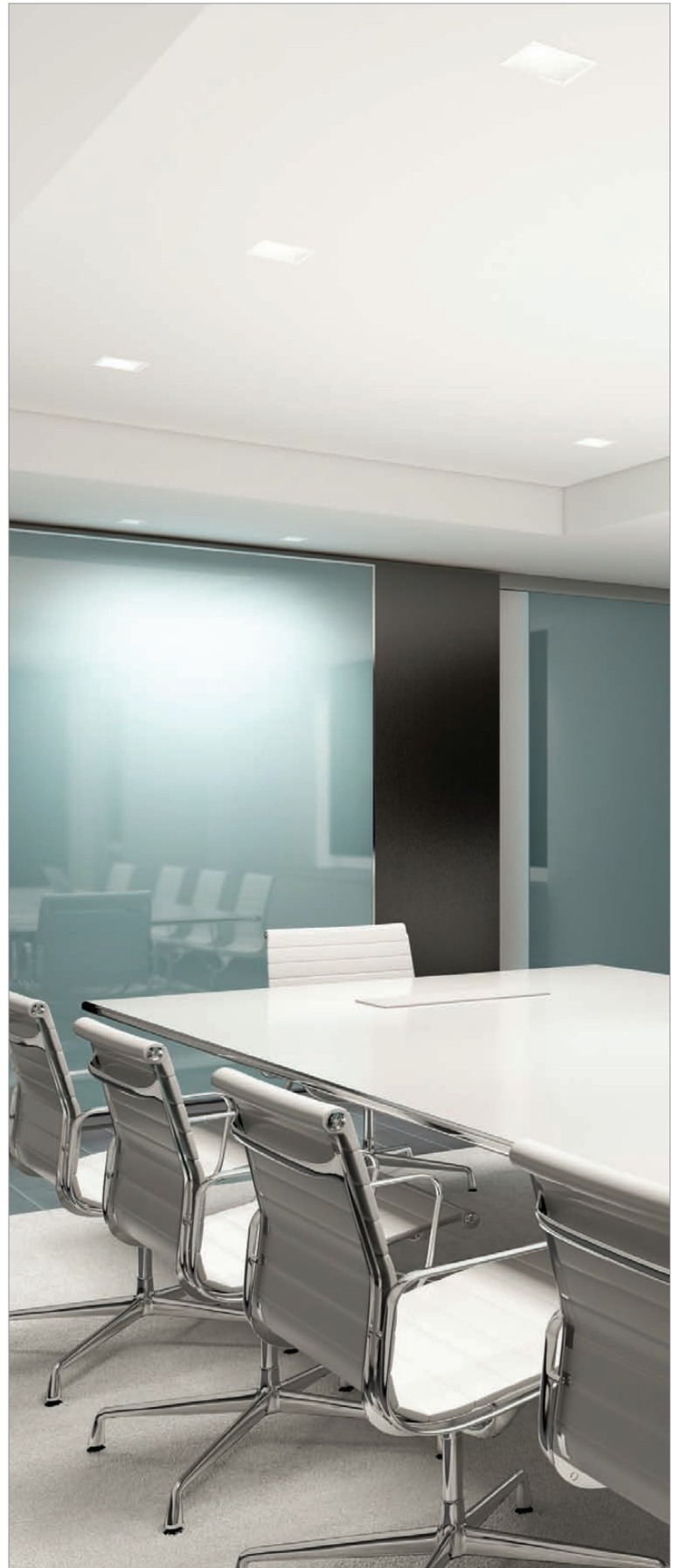
NON-IC AIRTIGHT, SHOWN AS FLANGELESS



IC AIRTIGHT, SHOWN AS FLANGELESS

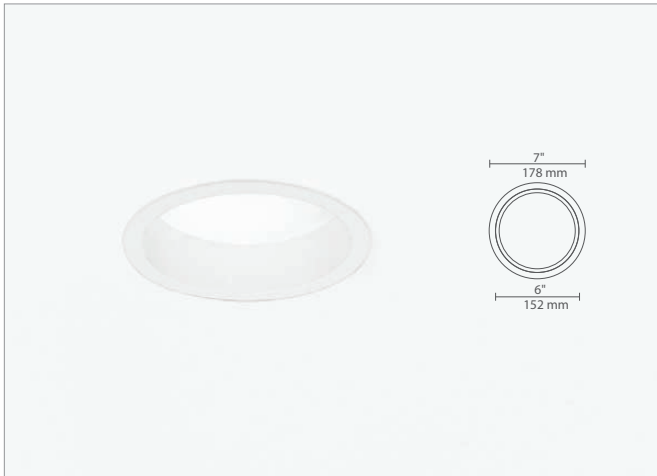


NON-IC AIRTIGHT EMERGENCY, SHOWN AS FLANGELESS





INCANDESCENT / CMH / CFL



ROUND FLANGED REGRESSED



ROUND FLANGELESS REGRESSED

PRODUCT DETAILS

DESCRIPTION

Modern interpretation of specification grade conventional downlighting based on the principles of the ELEMENT line – integrating recessed lighting with architectural design. Pure geometry and seamless corners make the regressed option an exceptionally clean design element.

TRIM OPTIONS

Constructed of die cast aluminum making them extremely robust and completely seamless. The flangeless version is truly flangeless, without a visible lip of any kind from below the ceiling. Available in white. Offered with either frost or opal white lens.

HOUSING

6" ceiling opening. Accommodates up to 1.5" ceiling thickness. Constructed of heavy gauge cold rolled steel with durable matte black powder coat finish. Airtight and available in IC or non-IC. Includes integral junction box approved for branch circuit through wiring. ETL listed. Wet listed.

LAMP

Medium base incandescent (150W max in Non-IC, 90W max in IC). Medium base CMH (20W, 39W or 70W). GX24Q-3 triple tube CFL (universal 26W or 32W socket and ballast). To include wattage restriction label, specify -WR at the end of the housing item number and specify wattage (Example: -WR26). Lamps ordered separately, see pages 147-148. For bare lamp photometry, see pages 141-145. For fixture photometry, see www.element-lighting.com.

BALLAST

CMH 20W, 39W and CFL options include dual voltage (120/277V) electronic ballasts. 70W CMH option includes 120 or 277V electronic ballast. CFL offered with dimmable, non-dimmable or emergency battery back-up. CFL dimmable version dimmable with class 1 or class 2 low-voltage 0-10VDC dimmer. Pre-assembled, nylon sleeved wire bundles and an all-in-one quick disconnect reduces wire clutter in the housing and junction box, creates simple disconnects for socket and ballast wires, and provides mistake-free wire connections. A hinged door allows for toolless entry to the junction box from below the ceiling. Ballast is mounted to the door and swings out over the aperture for easy access. Stacked door assembly insulates ballast from heat in/on housing.

INSTALLATION

An oversized junction box provides ample room for field wiring and through branch circuits. 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 - HOUSING

CEILING APPEARANCE	TRIM STYLE	LAMP	HOUSING RATING	WATTAGE RESTRICTION*	VOLTAGE**	
EGR	F FLANGED L FLANGELESS	R REGRESSED	-I INCANDESCENT	I IC AIRTIGHT	NONE	-120 120 VOLT
		-C20 CMH 20 WATT	N NON-IC AIRTIGHT	-WR* WATTAGE RESTRICTION	-277 277 VOLT	
		-C39 CMH 39 WATT	<i>IC not available in CMH or CFL with Emergency Ballast</i>			
		-C70 CMH 70 WATT				
		-F32 CFL 32 WATT				
		-F32EM CFL 32 WATT EMERGENCY BALLAST				
		-F32D CFL 32 WATT DIMMABLE				

Trim and housing ship separately. Fill out the first and second order grid options: *E6RFR-C20N* and *E6RFR-FW*.

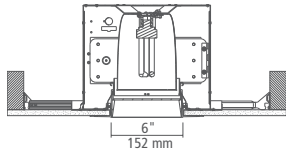
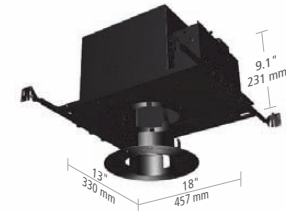
* To include wattage restriction label, specify -WR at the end of the housing item number and specify wattage (Example: -WR26)

** Must specify input voltage for CMH 70 Watt housings only. All other CMH and CFL housings are universal. (Example: E6RFR-C70N-120 or E6RFR-C70N-277).

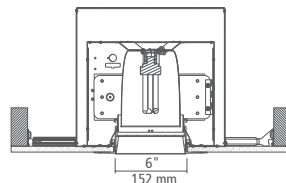
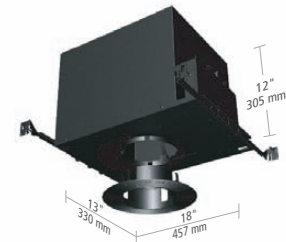
ORDERING GRID - TRIM

CEILING APPEARANCE	TRIM STYLE	LENS	FINISH
EGR	F FLANGED L FLANGELESS	R REGRESSED	-F FROSTED LENS
			-O OPAL WHITE LENS
			W WHITE

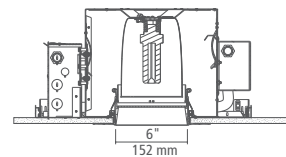
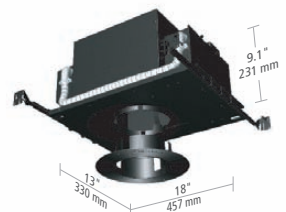
HOUSING



NON-IC AIRTIGHT, SHOWN AS FLANGELESS



IC AIRTIGHT, SHOWN AS FLANGELESS

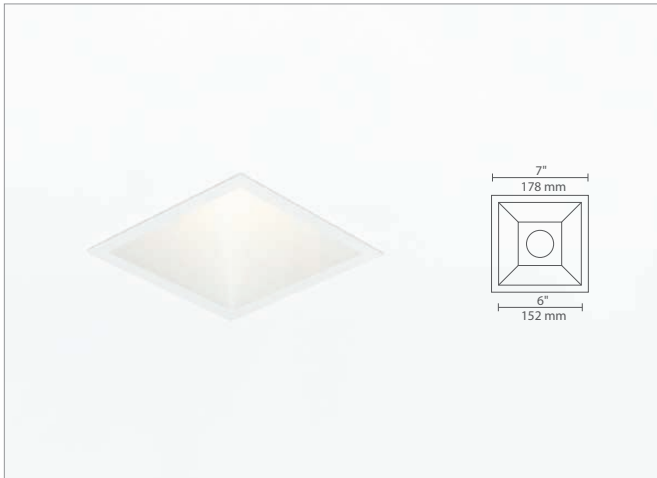


NON-IC AIRTIGHT EMERGENCY, SHOWN AS FLANGELESS

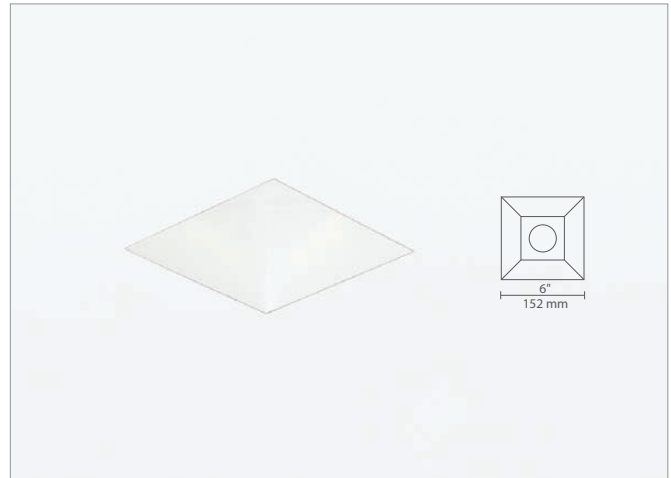




INCANDESCENT / CMH / CFL



SQUARE FLANGED OPEN



SQUARE FLANGELESS OPEN

PRODUCT DETAILS

DESCRIPTION

Modern interpretation of specification grade conventional downlighting based on the principles of the ELEMENT line – integrating recessed lighting with architectural design. Pure geometry and seamless corners make the open option an exceptionally clean design element.

TRIM OPTIONS

Constructed of die cast aluminum making them extremely robust and completely seamless. The flangeless version is truly flangeless, without a visible lip of any kind from below the ceiling. Available in white.

HOUSING

6" ceiling opening. Accommodates up to 1.5" ceiling thickness. Constructed of heavy gauge cold rolled steel with durable matte black powder coat finish. Airtight and available in IC or non-IC. Includes integral junction box approved for branch circuit through wiring. ETL listed. Damp listed.

LAMP

Medium base incandescent (150W max in Non-IC, 90W max in IC). Medium base CMH (20W, 39W or 70W). GX24Q-3 triple tube CFL (universal 26W or 32W socket and ballast). To include wattage restriction label, specify -WR at the end of the trim item number and specify wattage (Example: -WR26). Lamps ordered separately, see pages 147-148. For bare lamp photometry, see pages 141-145. For fixture photometry, see www.element-lighting.com.

BALLAST

CMH 20W, 39W and CFL options include dual voltage (120/277V) electronic ballasts. 70W CMH option includes 120 or 277V electronic ballast. CFL offered with dimmable, non-dimmable or emergency battery back-up. CFL dimmable version dimmable with class 1 or class 2 low-voltage 0-10VDC dimmer. Pre-assembled, nylon sleeved wire bundles and an all-in-one quick disconnect reduces wire clutter in the housing and junction box, creates simple disconnects for socket and ballast wires, and provides mistake-free wire connections. A hinged door allows for toolless entry to the junction box from below the ceiling. Ballast is mounted to the door and swings out over the aperture for easy access. Stacked door assembly insulates ballast from heat in/on housing.

INSTALLATION

An oversized junction box provides ample room for field wiring and through branch circuits. 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 - HOUSING

CEILING APPEARANCE	TRIM STYLE	LAMP	HOUSING RATING	COMPONENT	WATTAGE RESTRICTION*	VOLTAGE**	
E6S	F FLANGED	O OPEN	-I INCANDESCENT	I IC AIRTIGHT	-H HOUSING	NONE -WR* WATTAGE RESTRICTION	-120 120 VOLT -277 277 VOLT
	L FLANGELESS		-C20 CMH 20 WATT -C39 CMH 39 WATT -C70 CMH 70 WATT -F32 CFL 32 WATT -F32EM CFL 32 WATT EMERGENCY BALLAST -F32D CFL 32 WATT DIMMABLE	N NON-IC AIRTIGHT <i>IC not available in CMH or CFL with Emergency Ballast</i>			

Trim and housing ship separately. Fill out the first and second order grid options: E6SFO-C39N-H and E6SFO-C39N-T.

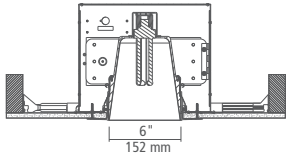
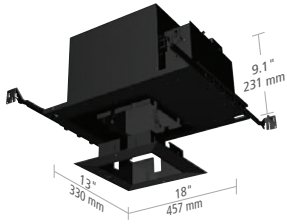
* To include wattage restriction label, specify -WR at the end of the trim item number and specify wattage (Example: -WR26)

** Must specify input voltage for CMH 70 Watt housings only. All other CMH and CFL housings are universal. (Example: E6SFO-C70N-H-120 or E6SFO-C70N-H-277).

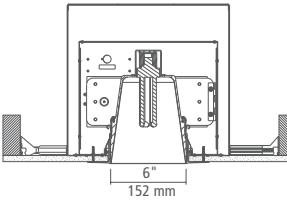
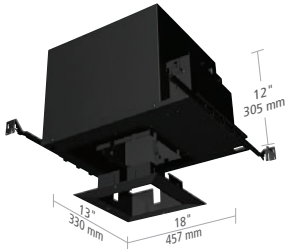
ORDERING GRID - TRIM

CEILING APPEARANCE	TRIM STYLE	LAMP	HOUSING RATING	COMPONENT	WATTAGE RESTRICTION*	VOLTAGE**	
E6S	F FLANGED	O OPEN	-I INCANDESCENT	I IC AIRTIGHT	-T TRIM (WHITE)	NONE -WR* WATTAGE RESTRICTION	-120 120 VOLT -277 277 VOLT
	L FLANGELESS		-C20 CMH 20 WATT -C39 CMH 39 WATT -C70 CMH 70 WATT -F32 CFL 32 WATT -F32EM CFL 32 WATT EMERGENCY BALLAST -F32D CFL 32 WATT DIMMABLE	N NON-IC AIRTIGHT <i>IC not available in CMH or CFL with Emergency Ballast</i>			

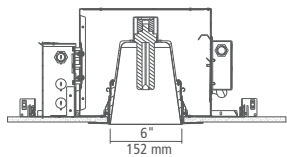
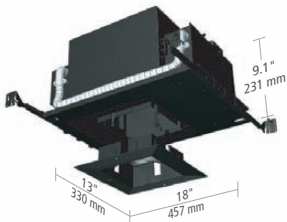
HOUSING



NON-IC AIRTIGHT, SHOWN AS FLANGED



IC AIRTIGHT, SHOWN AS FLANGED

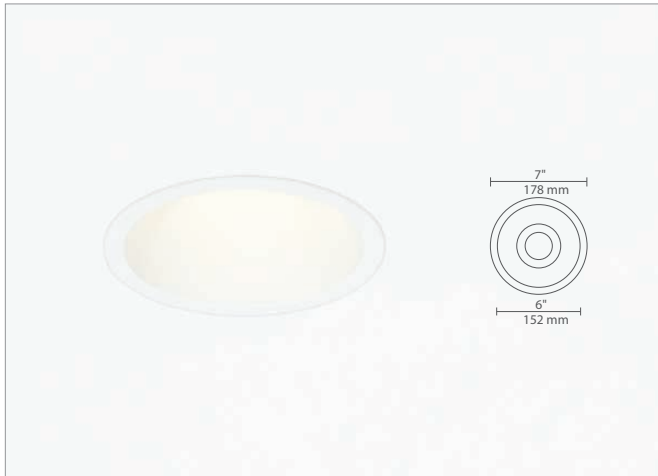


NON-IC AIRTIGHT EMERGENCY, SHOWN AS FLANGED





INCANDESCENT / CMH / CFL



ROUND FLANGED OPEN



ROUND FLANGELESS OPEN

PRODUCT DETAILS

DESCRIPTION

Modern interpretation of specification grade conventional downlighting based on the principles of the ELEMENT line – integrating recessed lighting with architectural design. Pure geometry and seamless corners make the open option an exceptionally clean design element.

TRIM OPTIONS

Constructed of die cast aluminum making them extremely robust and completely seamless. The flangeless version is truly flangeless, without a visible lip of any kind from below the ceiling. Available in white.

HOUSING

6" ceiling opening. Accommodates up to 1.5" ceiling thickness. Constructed of heavy gauge cold rolled steel with durable matte black powder coat finish. Airtight and available in IC or non-IC. Includes integral junction box approved for branch circuit through wiring. ETL listed. Damp listed.

LAMP

Medium base incandescent (150W max in Non-IC, 90W max in IC). Medium base CMH (20W, 39W or 70W). GX24Q-3 triple tube CFL (universal 26W or 32W socket and ballast). To include wattage restriction label, specify -WR at the end of the trim item number and specify wattage (Example: -WR26). Lamps ordered separately, see pages 147-148. For bare lamp photometry, see pages 141-145. For fixture photometry, see www.element-lighting.com.

BALLAST

CMH and CFL options include dual voltage (120/277V) electronic ballasts. CFL offered with dimmable, non-dimmable or emergency battery back-up. CFL dimmable version dimmable with class 1 or class 2 low voltage 0-10VDC dimmer. Pre-assembled, nylon sleeved wire bundles and an all-in-one quick disconnect reduces wire clutter in the housing and junction box, creates simple disconnects for socket and ballast wires, and provides mistake-free wire connections. A hinged door allows for toolless entry to the junction box from below the ceiling. Ballast is mounted to the door and swings out over the aperture for easy access. Stacked door assembly insulates ballast from heat in/on housing.

INSTALLATION

An oversized junction box provides ample room for field wiring and through branch circuits. 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 - HOUSING						
CEILING APPEARANCE	TRIM STYLE	LAMP	HOUSING RATING	COMPONENT	WATTAGE RESTRICTION*	VOLTAGE**
E6R	F FLANGED	-I INCANDESCENT	I IC AIRTIGHT	-H HOUSING	NONE	-120 120 VOLT
	L FLANGELESS	-C20 CMH 20 WATT	N NON-IC AIRTIGHT			
		-C39 CMH 39 WATT	<i>IC not available in CMH or CFL with Emergency Ballast</i>			
		-C70 CMH 70 WATT				
		-F32 CFL 32 WATT				
		-F32EM CFL 32 WATT				
		-F32D CFL 32 WATT DIMMABLE				

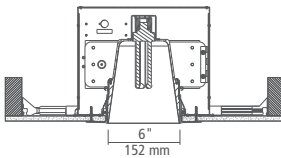
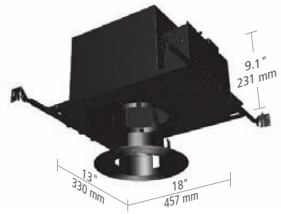
Trim and housing ship separately. Fill out the first and second order grid options: *E6RFO-C20N-H* and *E6RFO-C20N-T*.

* To include wattage restriction label, specify -WR at the end of the trim item number and specify wattage (Example: -WR26)

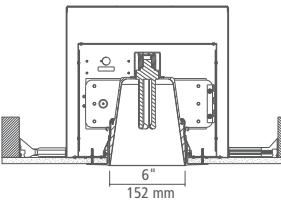
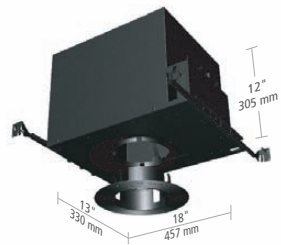
** Must specify input voltage for CMH 70 Watt housings only. All other CMH and CFL housings are universal. (Example: E6RFO-C70N-H-120 or E6RFO-C70N-H-277).

ORDERING GRID - TRIM						
CEILING APPEARANCE	TRIM STYLE	LAMP	HOUSING RATING	COMPONENT	WATTAGE RESTRICTION*	VOLTAGE**
E6R	F FLANGED	-I INCANDESCENT	I IC AIRTIGHT	-T TRIM (WHITE)	NONE	-120 120 VOLT
	L FLANGELESS	-C20 CMH 20 WATT	N NON-IC AIRTIGHT			
		-C39 CMH 39 WATT	<i>IC not available in CMH or CFL with Emergency Ballast</i>			
		-C70 CMH 70 WATT				
		-F32 CFL 32 WATT				
		-F32EM CFL 32 WATT				
		-F32D CFL 32 WATT DIMMABLE				

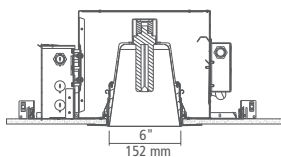
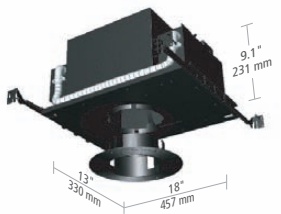
HOUSING



NON-IC AIRTIGHT, SHOWN AS FLANGED



IC AIRTIGHT, SHOWN AS FLANGED



NON-IC AIRTIGHT EMERGENCY, SHOWN AS FLANGED







FLUSH MOUNTS

Create bold, unique expressions overhead with Tech Lighting's ceiling collection.



Indicates which fixtures are **ADA Compliant**



Indicates which fixtures are available in **Compact Fluorescent**



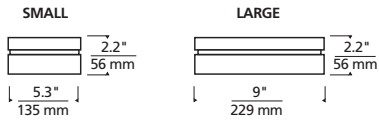
Indicates which fixtures are available in **LED**



Indicates which fixtures are suitable for **Wet Locations**

Boxie / Cosmo Wall (Tech Lighting) / G9 Base Lamps / Mini-Candelabra Base Lamps

BOXIE

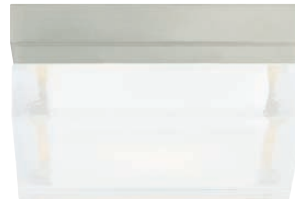


Clean square pressed glass shade with polished surface suspended from a die cast base. Available in two lamp configurations incandescent and fluorescent. Large incandescent includes two 120 volt, 40 watt G9 base halogen lamps; small incandescent includes one 120 volt 40 watt G9 base halogen lamp; large fluorescent includes two 13 watt 2GX7 base twin tube lamps and electronic ballast. Incandescent version dimmable with a standard incandescent dimmer. Ceiling mount suitable for wet locations. Large fluorescent may be wall mounted and is ADA compliant.

	SIZE	FINISH	LAMP
700BX	S SMALL	C CHROME	INCANDESCENT 120V
	L LARGE	S SATIN NICKEL	-CF COMPACT FLUORESCENT (LARGE ONLY)

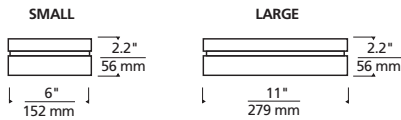


LARGE



SMALL

CIRQUE



Beautiful round pressed glass shade with polished surface suspended from a die cast base. Available in two lamp configurations incandescent and fluorescent. Large incandescent includes two 120 volt, 40 watt G9 base halogen lamps; small incandescent includes one 120 volt 40 watt G9 base halogen lamp; large fluorescent includes two 13 watt 2GX7 base twin tube lamps and electronic ballast. Incandescent version dimmable with a standard incandescent dimmer. Ceiling mount suitable for wet locations. Large fluorescent may be wall mounted and is ADA compliant.

	SIZE	FINISH	LAMP
700CQ	S SMALL	C CHROME	INCANDESCENT 120V
	L LARGE	S SATIN NICKEL	-CF COMPACT FLUORESCENT (LARGE ONLY)



LARGE

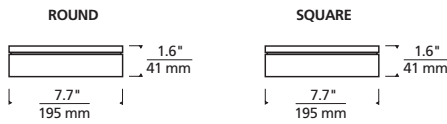


SMALL



Cirque Large Satin Nickel / G9 Base Lamps

PENDENZA



ROUND



SQUARE



PENDENZA CEILING RECESSED CAN RETROFIT KIT

Adapts the Pendenza Ceiling to most 5" or 6" 120 volt incandescent recessed downlights.

700PENRCAD



Brilliant energy saving 15 watt 3000K LED light finished with a soft glass disc and crisp metal base. Ceiling mount only. Dimmable with 300 watt low-voltage electronic dimmer.

	SHAPE	FINISH	LAMP
700PENFM	R ROUND S SQUARE	S SATIN NICKEL	-LED LED 3000K

FEATURES AND BENEFITS

Energy Savings: Consumes 15 watts; up to 85% less than incandescent and 40% less than equivalent 26 watt compact fluorescent recessed downlight.

Usable Light: Delivers over 600 lumens and greater footcandles at 8' than most 26 watt CFL recessed housings.

Long Life: Designed to last 35,000 hours, or approximately 20 years under normal use of 4-5 hours per day.

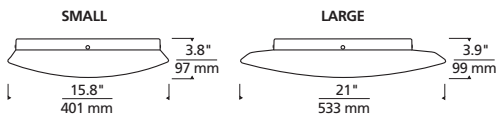
Dimmable: Dimmable down to 10% using a low-voltage electronic dimmer.

Easy Installation: Easily installed on a standard junction box. Trim quickly snaps on to unit.

Environmental Benefits: LED's energy savings and long life helps protect the environment by using less energy and keeping numerous other types of lamps, with shorter life, out of landfills.

3000K and 82 CRI: Warm color temperature. Excellent for residential or commercial applications.

TELESTO



This low-profile flush mount features a hand-blown case white glass shade and suits a wide variety of décor and applications. Ceiling mount only. Large includes one 55 watt 2GX13 base T5 high output circline fluorescent lamp. The small version includes one 40 watt 2GX13 base T5 circline fluorescent lamp. Both versions include an electronic ballast. Not dimmable.

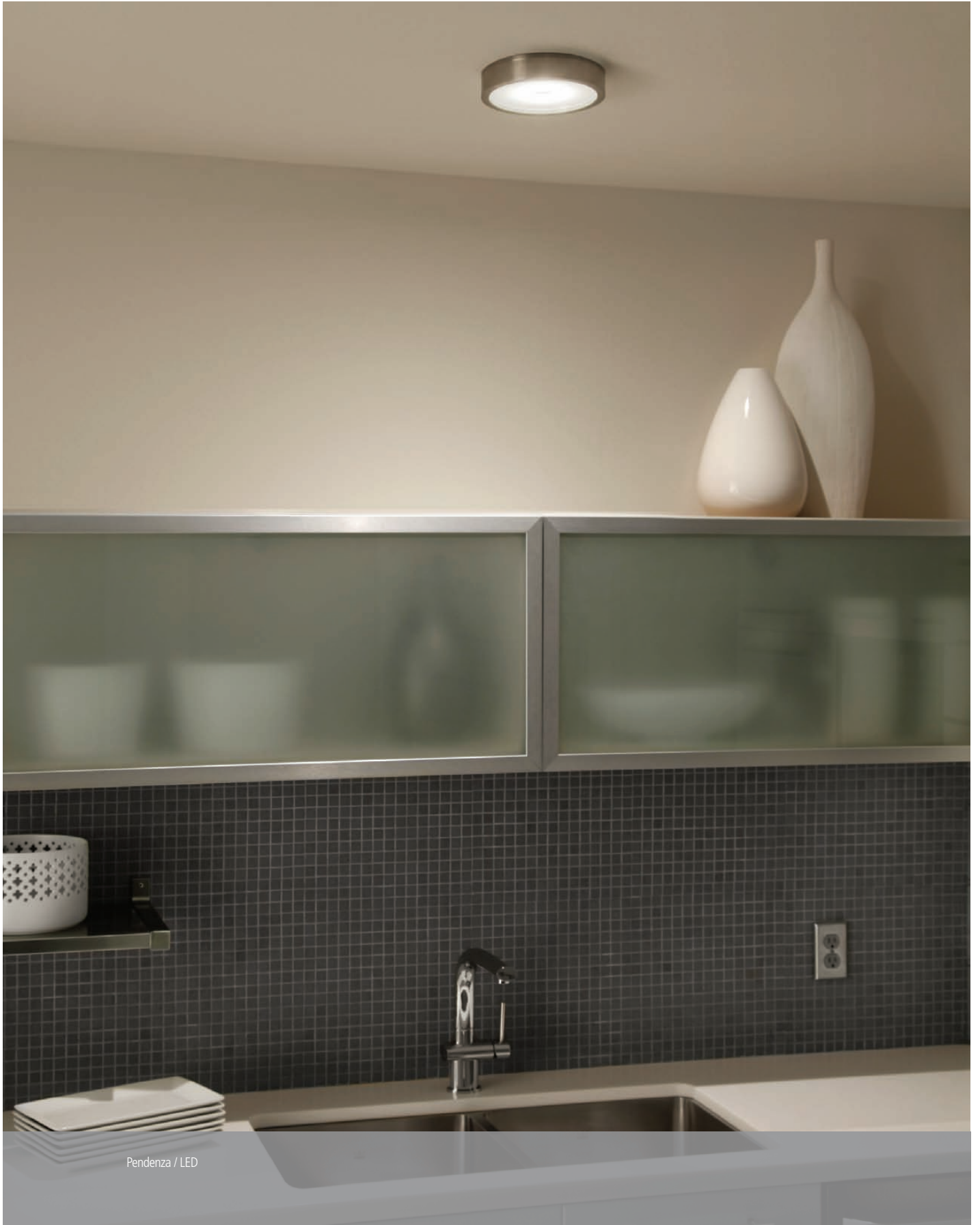
	SIZE	FINISH	LAMP
700TLSFM	S SMALL L LARGE	S SATIN NICKEL	-CF FLUORESCENT 120V -CF277 FLUORESCENT 277V



LARGE

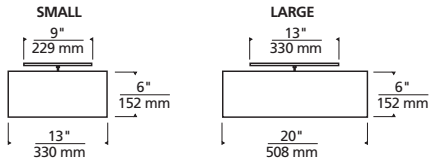


SMALL



Pendenza / LED

MULBERRY



Round fabric flush mount. Glass diffuser provides a glare free wash of light highlighted with satin nickel detail. Available in two sizes and two lamp configurations. Small version includes two 75 watt A19 medium base lamps or two 18 watt GU24 base self-ballasted compact fluorescent lamps. Large version includes four 75 watt A19 medium base lamps or four 18 watt GU24 base self-ballasted compact fluorescent lamps. Incandescent version dimmable with a standard incandescent dimmer.

	SIZE	COLOR	FINISH	LAMP
700TDMULFM	S SMALL	C DESERT CLAY	S SATIN NICKEL	INCANDESCENT
	L LARGE	W WHITE		-CF COMPACT FLUORESCENT

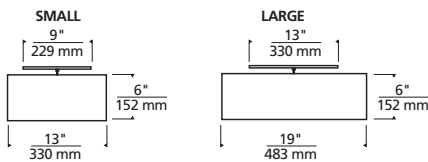


WHITE, LARGE



DESERT CLAY, SMALL

CHAMBERS



Square fabric flush mount. Glass diffuser provides a glare free wash of light highlighted with satin nickel detail. Available in two sizes and two lamp configurations. Small version includes two 75 watt A19 medium base lamps or two 18 watt GU24 base self-ballasted compact fluorescent lamps. Large version includes four 75 watt A19 medium base lamps or four 18 watt GU24 base self-ballasted compact fluorescent lamps. Incandescent version dimmable with a standard incandescent dimmer.

	SIZE	COLOR	FINISH	LAMP
700TDCHAFM	S SMALL	C DESERT CLAY	S SATIN NICKEL	INCANDESCENT
	L LARGE	W WHITE		-CF COMPACT FLUORESCENT



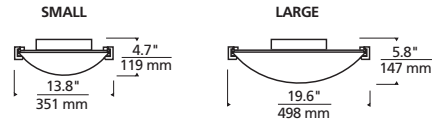
DESERT CLAY, LARGE



WHITE, SMALL



This simple and elegant flush mount ceiling light features a frosted white glass shade supported by nickel plated clips. Available in two lamp configurations; incandescent and fluorescent. Large incandescent includes three 120 volt 40 watt G9 base halogen lamps; small incandescent includes two 120 volt 40 watt halogen lamps; large fluorescent includes three 13 watt 2GX7 base twin tube lamps and electronic ballast; small fluorescent includes two 13 watt 2GX7 base twin tube lamps and electronic ballast. Incandescent version dimmable with a standard incandescent dimmer.



	SIZE	FINISH	LAMP
700PY	12 (SMALL)	C CHROME	INCANDESCENT
	18 (LARGE)	S SATIN NICKEL	-CF COMPACT FLUORESCENT



SMALL



LARGE



Mulberry Ceiling Large White Satin Nickel / A19 Lamps



LINE-VOLTAGE HEADS

T-TRAK line-voltage lighting system delivers a premium aesthetic combined with a multitude of lamping options. A great lighting choice for larger, more demanding environments. This is where form truly meets function.



Indicates which fixtures are available in **LED**

Single-Circuit T~TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector / 2" Rigid Standoffs with Connector / 2" Rigid Standoffs with Connector / Sportster with Incandescent PAR Heads / PAR30 Lamps

LOCATION: COURTYARD FAIRFAX FAIR OAKS - FAIRFAX, VA
PHOTOGRAPHER: BURNETT STUDIOS - JIM BURNETT JR.



Single-Circuit T~TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector / 12" Rigid Standoffs with Connector / 12" Rigid Standoffs without Connector / Sportster with Incandescent PAR Heads / T~TRAK Freelack Connectors / Low-voltage Savoy Pendants Red / PAR20 Lamps / Bi-pin Lamps

LOCATION: COURTYARD FAIRFAX FAIR OAKS - FAIRFAX, VA
PHOTOGRAPHER: BURNETT STUDIOS - JIM BURNETT JR.



Single-Circuit T-TRAK Satin Nickel / Flexible Power Feed with Round Canopy Center Feed / Adjustable Standoffs with Connector / Adjustable Standoffs without Connector / Om with CMH PAR Heads / CMH PAR20 Lamps

LOCATION: TUSTIN LIBRARY - TUSTIN, CA
PHOTOGRAPHER: DAVID WAKELY

LED

SPECIFICATIONS

- Output: 850 net lumens
- Power Consumption: 18 watts
- Efficacy: 47 net lumens/watt
- Color Temperature: 3000K
- 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%
- Minimum Waste: heat sink stays with fixture at end of LED module life
- No mercury and ROHS compliant
- 3-year Warranty

See www.ttraklighting.com for LM79 test data.

PRODUCT DETAILS

DESCRIPTION
Die cast aluminum LED head, pivots vertically 90°, rotates horizontally 360°. Features horizontal locking mechanism. LED module and optics are modular for ease of replacement. Power Supply and heat sink fins sit within the head resulting in a clean, thoughtful and seamless design.

SYSTEM
Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 138).

FINISH
Satin nickel and white.

POWER SUPPLY
18 watt isolated; Dimmable digital logic controller operated in constant current mode. Dimmable with most standard incandescent dimmers.

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

OPTICAL CONTROLS
Holds up to two MR16/PAR16 optical controls, sold separately: Eggcrate Louver, Glass Lens, UV Filter. See p. 95 for complete listing.

OPTICAL CONTROL OPTIONS

COLORED & DICHROIC LENSES **EGGCRATE LOUVER** **UV FILTERS** **DIFFUSER, SPREAD & SOFT FOCUS LENSES**

See page 95 for details

EXPLODED VIEW

Aluminum body for thermal management
Optic cage and interchangeable optic (15°, 25°, 40°)
Primary heat sink
LED module and spreader plate


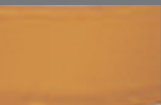
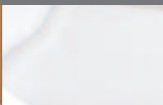
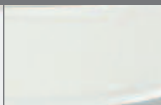

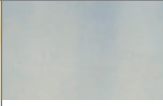

ORDERING GRID





SYSTEM	TYPE	BEAM SPREAD	LENGTH	FINISH
700 PJ	POWERJACK ENVL L3 LED 3000K	1 15°	06 6"	S SATIN NICKEL
TT	SINGLE-CIRCUIT T~TRAK	2 25°	12 12"	W WHITE
TT2	TWO-CIRCUIT T~TRAK	4 40°	18 18"	

Ordering grid example: 700TTENVLL3206S



SHOWN: MR16 with Solid Lens Ring and MR16 with Frost Lens Ring

LENS RING OPTIONS			
 AMBER LENS RING			
	AMBER LENS RING	CLEAR LENS RING	FROST LENS RING
			
	ONYX LENS RING	SOLID METAL LENS RING	TRANSLUCENT AMBER LENS RING

OPTICAL CONTROL OPTIONS			
			
COLORED & DICHOIC LENSES	EGGCRATE LOUVER	UV FILTERS	DIFFUSER, SPREAD & SOFT FOCUS LENSES

See page 95 for details

ORDERING GRID						
SYSTEM		TYPE	LENS RING		FINISH	
700	TT	SINGLE-CIRCUIT T-TRAK	OM	N16 MR16	A AMBER CC CLEAR F FROST O ONYX S SOLID METAL AC TRANSLUCENT AMBER	S SATIN NICKEL W WHITE

Ordering grid example: 700TTOMN16ACW

PRODUCT DETAILS
<p>DESCRIPTION Versatile die cast aluminum head with integrated 12 volt transformer, pivots vertically 260°, rotates horizontally 360°. Features decorative lens ring. Dimmable with standard incandescent dimmer.</p>
<p>SYSTEM Available for Single-Circuit T~TRAK.</p>
<p>FINISH Satin nickel and white.</p>
<p>TRANSFORMER Includes integrated 12 volt 75 watt electronic transformer in slim aluminum die cast housing.</p>
<p>LAMP Low-voltage, MR16 lamp, up to 50 watts (lamp not included). See pp. 141-148 for photometrics and lamp information.</p>
<p>LENS RING Satin nickel or white body with amber, clear, frost, onyx, solid (to match finish selection) or translucent amber lens ring.</p>
<p>OPTICAL CONTROLS Holds one, sold separately: Eggcrate Louver, Glass Lens, UV Filter. See p. 95 for complete listing.</p>



SHOWN: PAR20 with Solid Lens Ring and PAR30 Short with Frost Lens Ring

PRODUCT DETAILS

DESCRIPTION

Versatile die cast aluminum head, pivots vertically 180°, rotates horizontally 350°. Features vertical and horizontal locking mechanisms and decorative lens ring. Dimmable with standard incandescent dimmer.

SYSTEM

Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 138).

FINISH

Satin nickel and white.

LAMP

120 volt incandescent PAR16 lamp with GU10 base, up to 50 watts; 120 volt incandescent PAR20 lamp with E26 medium base, up to 50 watts; PAR30 Long or PAR30 Short lamp with E26 medium base, up to 75 watts (lamp not included). See pp. 141-148 for photometrics and lamp information.

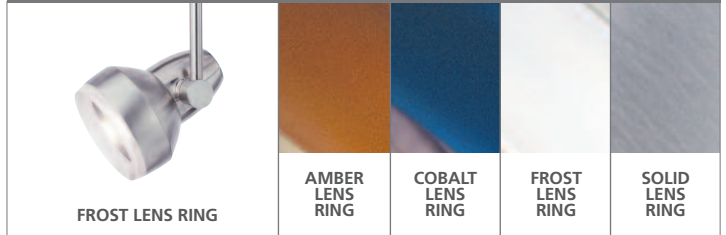
LENS RING

Satin nickel or white body with amber, cobalt, frost or solid (to match finish selection) lens ring.

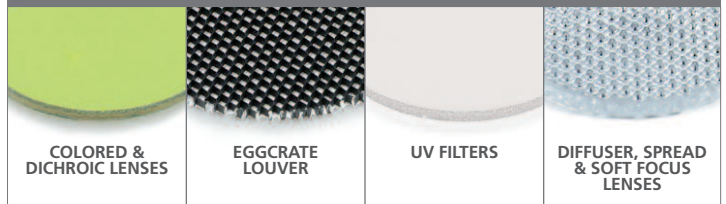
OPTICAL CONTROLS

Holds up to two, sold separately: Eggcrate Louver, Glass Lens, UV Filter. See p. 95 for complete listing.

LENS RING OPTIONS



OPTICAL CONTROL OPTIONS



See page 95 for details

ORDERING GRID

	SYSTEM		TYPE	LENGTH (A)	LENS RING	FINISH
700	PJ	POWERJACK	OM 16	PAR16 03 3"	A	AMBER S SATIN NICKEL
	TT	SINGLE-CIRCUIT	20	PAR20 06 6"	B	COBALT W WHITE
		T~TRAK	30L	PAR30 LONG 12 12"	F	FROST
	TT2	TWO-CIRCUIT	30S	PAR30 SHORT 18 18"	S	SOLID
		T~TRAK				

Ordering grid example: 700TTOM1606BS



Single-Circuit T~TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector / 6" Rigid Standoffs without Connector / Om with Incandescent PAR Heads with Frost Lens Ring / PAR20 Lamps

CERAMIC METAL HALIDE MR16 WITH INTEGRAL BALLAST



SHOWN: CMH MR16 with Solid Lens Ring and CMH MR16 with Frost Lens Ring

PRODUCT DETAILS

DESCRIPTION

Versatile die cast aluminum head with integrated ballast, pivots vertically 180°, rotates horizontally 350°. Features decorative lens ring.

SYSTEM

Available for Single-Circuit T~TRAK.

FINISH

Satin nickel and white.

BALLAST

Includes integrated energy-saving electronic ballast, slim aluminum die cast housing. Input voltage 120v 50/60 hertz, THD <10%.

LAMP

Ceramic metal halide MR16 lamp with GX10 base, 20 watts (lamp not included). See pp. 141-148 for photometrics and lamp information.

LENS RING

Satin nickel or white body with amber, cobalt, frost or solid (to match finish selection) lens ring.

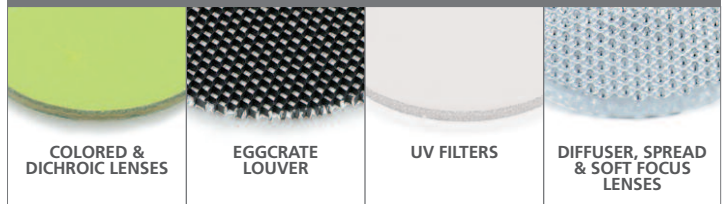
OPTICAL CONTROLS

Holds up to two, sold separately: Eggcrate Louver, Glass Lens, UV Filter. See p. 95 for complete listing.

LENS RING OPTIONS



OPTICAL CONTROL OPTIONS



See page 95 for details

ORDERING GRID

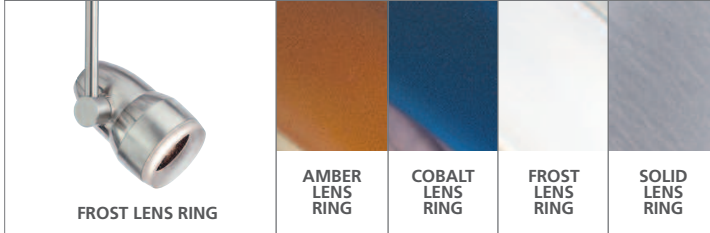
SYSTEM	TYPE	LENS RING	FINISH
700 TT SINGLE-CIRCUIT	OMC N162 CMH MR16	A AMBER B COBALT F FROST S SOLID	S SATIN NICKEL W WHITE

Ordering grid example: 700TTOMCN162AS

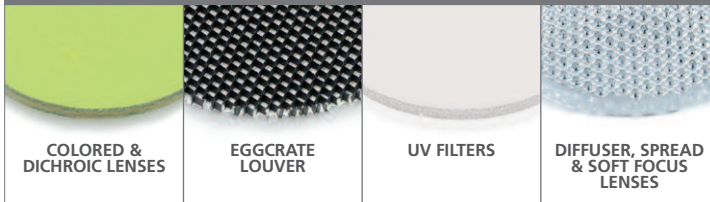


SHOWN: PAR30 Long with Solid Lens Ring

LENS RING OPTIONS



OPTICAL CONTROL OPTIONS



See page 95 for details

ORDERING GRID

SYSTEM	TYPE	WATTAGE	LENGTH (A)	LENS RING	FINISH
700 PJ POWERJACK	OMC 16	CMH 2 20 WATT	06 5.1"	A AMBER	S SATIN
TT SINGLE-CIRCUIT T-TRAK	MR16 20	3 39 WATT	12 11.1"	B COBALT	NICKEL
TT2 TWO-CIRCUIT T-TRAK	PAR20 30L	7 70 WATT (PAR30 ONLY)	18 17.1**	F FROST S SOLID	W WHITE
	PAR30 LONG				

* CMH MR16 not available in 17.1" length

Ordering grid example: 700TTOMC16306SS

PRODUCT DETAILS

DESCRIPTION

Versatile die cast aluminum head, pivots vertically 180°, rotates horizontally 350°. Features vertical and horizontal locking mechanisms and decorative lens ring.

SYSTEM

Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 139).

FINISH

Satin nickel and white.

BALLAST

Includes energy-saving electronic ballast in slim aluminum die cast housing. Input voltage 120v 50/60 hertz, THD <10%. Power Jack version is compatible with Power Jack Canopy with CMH Ballast (sold separately).

LAMP

Ceramic metal halide MR16 with GX10 base, up to 39 watts; ceramic metal halide PAR20 lamp with E26 medium base, up to 39 watts; PAR30 long lamp up to 70 watts (lamp not included). See pp. 141-148 for photometrics and lamp information.

LENS RING

Satin nickel or white body with amber, cobalt, frost or solid (to match finish selection) lens ring.

OPTICAL CONTROLS

Holds up to two, sold separately: Eggcrate Louver, Glass Lens, UV Filter. See p. 95 for complete listing.



SHOWN: T4.5 with Solid Lens Ring

PRODUCT DETAILS

DESCRIPTION

Versatile die cast aluminum head, pivots vertically 180°, rotates horizontally 350°. Features vertical and horizontal locking mechanisms and decorative lens ring. Four beam spread options with specular reflector.

SYSTEM

Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 139).

FINISH

Satin nickel and white.

BALLAST

Includes energy-saving electronic ballast in slim aluminum die cast housing. Input voltage 120v 50/60 hertz, THD <10%. Power Jack version is compatible with Power Jack Canopy with CMH Ballast (sold separately).

LAMP

Ceramic metal halide T4.5 lamp with G8.5 base, up to 70 watts (lamp not included). See pp. 141-148 for additional photometrics and lamp information.

LENS RING

Satin nickel or white body with amber, cobalt, frost or solid (to match finish selection) lens ring.

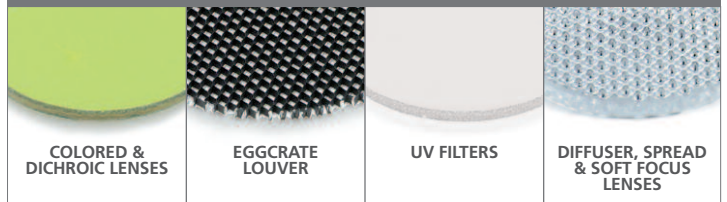
OPTICAL CONTROLS

Holds up to two (PAR30 size), sold separately: Eggcrate Louver, Glass Lens, UV Filter. See p. 95 for complete listing.

LENS RING OPTIONS



OPTICAL CONTROL OPTIONS



See page 95 for details

ORDERING GRID

	SYSTEM	REFLECTOR	WATTAGE	LENGTH (A)	LENS RING	FINISH
700	PJ POWERJACK	OMT4	1 15 DEGREE	2 20 WATT	06 5.1"	A AMBER S SATIN
	TT SINGLE-CIRCUIT T~TRAK	3 30 DEGREE	3 39 WATT	12 11.1"	B COBALT	NICKEL
		4 45 DEGREE	7 70 WATT	18 17.1"	F FROST	W WHITE
		6 60 DEGREE			S SOLID	
TT2 TWO-CIRCUIT T~TRAK						

Ordering grid example: 700TTOMT4430655

PHOTOMETRIC REPORT

Luminaire:

Fabricated metal housing, formed multi-faceted metal reflector with premium specular finish, clear flat glass lens in semi-specular metal trim ring.

Lamp:

One 39 watt clear T-4.5 ceramic metal halide.

Ballast:

120 volt 50/60 hertz, THD < 10%

Initial Lumens:

3,400

Color Temperature:

3000K

Color Rendering Index:

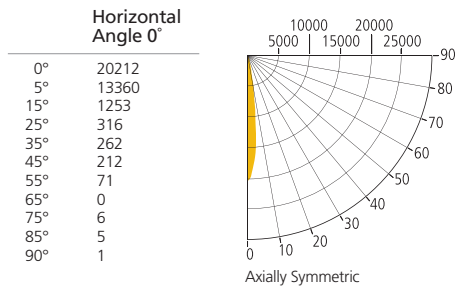
>80

Rated Average Life:

9,000 hours

15° REFLECTOR, 39 WATT LAMP

File name: lv_hds_breeze_CMH_T4_15.ies

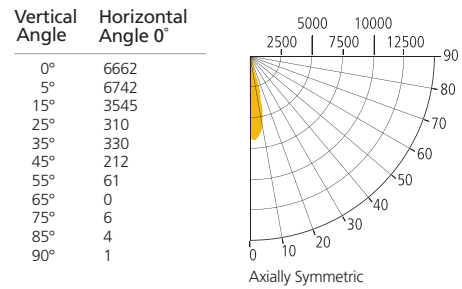


Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0°-30°	1529.3	46.3	79.3
0°-40°	1693.0	51.3	87.8
0°-60°	1917.2	58.1	99.4
60°-90°	11.2	0.3	0.6
0°-90°	1928.4	58.4	100.0
90°-180°	0.0	0.0	0.0
0°-180°	1928.4	58.4	100.0

30° REFLECTOR, 39 WATT LAMP

File name: lv_hds_breeze_CMH_T4_30.ies

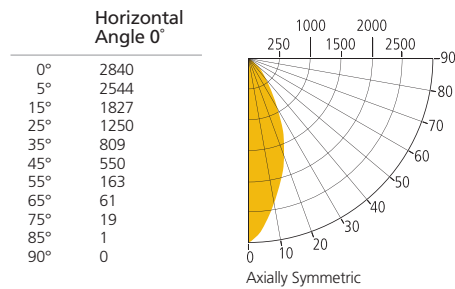


Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0°-30°	1748.8	53.0	80.2
0°-40°	1948.2	59.0	89.4
0°-60°	2167.9	65.7	99.5
60°-90°	11.9	0.4	0.5
0°-90°	2179.8	66.1	100.0
90°-180°	0.0	0.0	0.0
0°-180°	2179.8	66.1	100.0

45° REFLECTOR, 39 WATT LAMP

File name: lv_hds_breeze_CMH_T4_45.ies

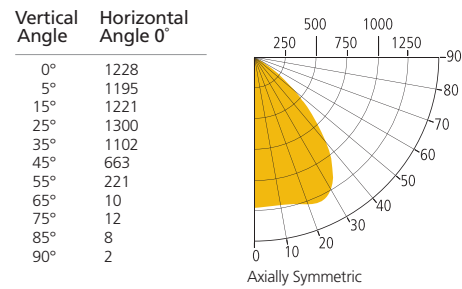


Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0°-30°	1312.3	39.2	53.0
0°-40°	1824.0	54.5	73.6
0°-60°	2390.3	71.4	96.4
60°-90°	88.0	2.6	3.6
0°-90°	2478.3	74.1	100.0
90°-180°	0.0	0.0	0.0
0°-180°	2478.3	74.1	100.0

60° REFLECTOR, 39 WATT LAMP

File name: lv_hds_breeze_CMH_T4_60.ies



Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0°-30°	1057.3	32.0	42.5
0°-40°	1738.3	52.7	69.9
0°-60°	2450.5	74.3	98.5
60°-90°	38.1	1.2	1.5
0°-90°	2488.7	75.4	100.0
90°-180°	0.0	0.0	0.0
0°-180°	2488.7	75.4	100.0



SHOWN: PAR20 and PAR30 Short

PRODUCT DETAILS

DESCRIPTION

Classic die cast aluminum head, pivots vertically 180°, rotates horizontally 350°. Features vertical and horizontal locking mechanisms. Dimmable with standard incandescent dimmer.

SYSTEM

Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 138).

FINISH

Satin nickel and white.

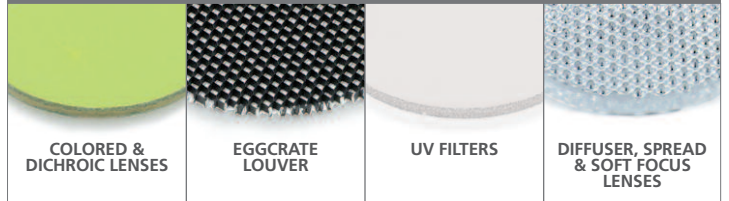
LAMP

120 volt incandescent PAR20 lamp with E26 medium base up to 50 watts; PAR30 Short lamp with E26 medium base up to 75 watts (lamp not included). See pp. 141-148 for photometrics and lamp information.

OPTICAL CONTROLS

Holds up to two, sold separately: Eggcrate Louver, Glass Lens, UV Filter. See p. 95 for complete listing.

OPTICAL CONTROL OPTIONS



See page 95 for details

ORDERING GRID

	SYSTEM		TYPE	LENGTH (A)	FINISH	
700	PJ	POWERJACK	SPT	20 PAR20	08 SEE ABOVE	S SATIN NICKEL
	TT	SINGLE-CIRCUIT	30S	PAR30	12 11.1"	W WHITE
		T~TRAK		SHORT	18 11.1"	
	TT2	TWO-CIRCUIT				
		T~TRAK				

Ordering grid example: 700TT2SPT2008S



Single-Circuit T-TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector / Rigid Standoffs without Connector / Spot with Incandescent PAR Heads / PAR30 Lamps

LOCATION: PALM STORE, NEW YORK CITY
PHOTOGRAPHER: © PAUL RIVERA - ARCH PHOTO, INC



PRODUCT DETAILS

DESCRIPTION
 Classic die cast aluminum head, pivots vertically 180°, rotates horizontally 350°. Features vertical and horizontal locking mechanisms.

SYSTEM
 Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 139).


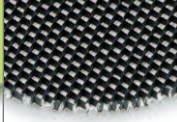


FINISH
 Satin nickel and white.

BALLAST
 Includes energy-saving electronic ballast in slim aluminum die cast housing. Input voltage 120v 50/60 hertz, THD <10%. Power Jack version is compatible with Power Jack Canopy with CMH Ballast (sold separately).

LAMP
 Ceramic metal halide PAR20 lamp with E26 medium base up to 39 watts (lamp not included). See pp. 141-148 for photometrics and lamp information.

OPTICAL CONTROLS
 Holds up to two, sold separately: Eggcrate Louver, Glass Lens, UV Filter. See p. 95 for complete listing.

OPTICAL CONTROL OPTIONS

			
COLORED & DICHROIC LENSES	EGGCRATE LOUVER	UV FILTERS	DIFFUSER, SPREAD & SOFT FOCUS LENSES

See page 95 for details

ORDERING GRID

	SYSTEM		TYPE	WATTAGE	LENGTH (A)	FINISH
700	PJ	POWERJACK	SPTC 20	2 20 WATT	08 5.6"	S SATIN NICKEL
	TT	SINGLE-CIRCUIT		3 39 WATT	12 11.1"	W WHITE
	TT2	TWO-CIRCUIT			18 17.1"	
		T~TRAK				
		T~TRAK				

Ordering grid example: 700TTSPCT208S



Single-Circuit T~TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector / Rigid Standoffs with Connector / Rigid Standoffs without Connector / T~TRAK Low-voltage FreeJack Connectors / Low-voltage Spot Heads / MR16 Lamps

LOCATION: TRACEY REESE



PRODUCT DETAILS

DESCRIPTION

Compact extruded aluminum wall wash, pivots vertically 180°, rotates horizontally 350°. Features vertical and horizontal locking mechanisms. 6" in width. Specular asymmetric wall wash reflector optimized for uniform light distribution. Dimmable with a standard incandescent dimmer.

SYSTEM

Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 138).

FINISH

Satin nickel and white.

LAMP

120 volt double ended halogen lamp with RS7 base 78mm length up to 100 watts (lamp not included). See pp. 141-148 for additional photometrics and lamp information.

OPTICAL CONTROLS

Includes clear glass lens.

ORDERING GRID

	SYSTEM		LENGTH (A)	FINISH
700	PJ	POWERJACK	GMDB 03 2.6"	S SATIN NICKEL
	TT	SINGLE-CIRCUIT	06 5.1"	W WHITE
		T~TRAK	12 11.1"	
	TT2	TWO-CIRCUIT	18 17.1"	
		T~TRAK		

Ordering grid example: 700TTGMD803S

PHOTOMETRIC REPORT

Luminaire:

Extruded metal housing with cast metal end plates, fabricated specular textured metal reflector, cast diffuse metal socket stems, clear flat glass in extruded metal door frame.

Ballast:

120 volt 50/60 hertz, PF > .90

Color Rendering Index:

100

Initial Lumens:

1,650

Rated Average Life:

2,000 hours

Lamp:

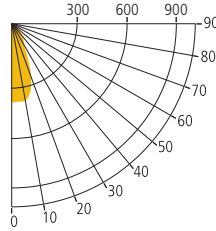
One 100 watt clear T-3 double ended halogen.

Color Temperature:

2950K

File name: lv_hds_gamma_hal.ies

Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	45°	90°	135°	180°	
0°	352	352	352	352	352	36
5°	499	452	354	272	251	128
15°	867	818	348	169	141	205
25°	818	888	275	113	104	219
35°	685	746	152	77	78	187
45°	486	506	97	50	57	149
55°	315	339	73	34	39	98
65°	190	210	41	19	23	26
75°	25	26	13	6	8	2
85°	1	2	3	1	1	
90°	0	0	0	0	0	



Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0°-30°	369.0	22.4	35.2
0°-40°	588.0	35.6	56.0
0°-60°	923.0	56.0	88.0
0°-90°	1049.0	63.6	100.0
90°-180°	0.0	0.0	0.0
0°-180°	1049.0	63.6	100.0



PRODUCT DETAILS

DESCRIPTION

Compact extruded aluminum wall wash, pivots vertically 180°, rotates horizontally 350°. Features vertical and horizontal locking mechanisms. 6" in width. Includes specular asymmetric wall wash reflector optimized for uniform light distribution.

SYSTEM

Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 139).

FINISH

Satin nickel and white.

BALLAST

Includes energy-saving electronic ballast in slim aluminum die cast housing. Input voltage 120v 50/60 hertz, THD <10%. Power Jack version is compatible with Power Jack Canopy with CMH Ballast (sold separately).

LAMP

Ceramic metal halide T4.5 lamp with G8.5 base, up to 70 watts (lamp not included). See pp. 141-148 for additional photometrics and lamp information.

OPTICAL CONTROLS

Includes clear glass lens.

ORDERING GRID

	SYSTEM		WATTAGE	LENGTH (A)	FINISH	
700	PJ	POWERJACK	GMT4	2 20 WATT	06 5.1"	S SATIN NICKEL
	TT	SINGLE-CIRCUIT	T~TRAK	3 39 WATT	12 11.1"	W WHITE
			T~TRAK	7 70 WATT	18 17.1"	
	TT2	TWO-CIRCUIT	T~TRAK			

Ordering grid example: 700TTGMT4306S

PHOTOMETRIC REPORT

Luminaire:

Extruded metal housing with cast metal end plates, fabricated specular textured metal reflector, molded black plastic socket, clear flat glass in extruded metal door frame.

Ballast:

120 volt 50/60 hertz, PF > .90

Color Rendering Index:

>80

Initial Lumens:

3,400

Rated Average Life:

9,000 hours

Lamp:

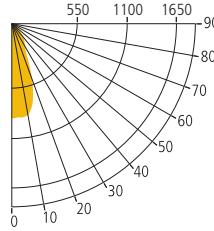
One 39 watt clear T-4.5 Ceramic Metal Halide.

Color Temperature:

3000K

File name: lv_hds_gamma_cmht4.ies

Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	45°	90°	135°	180°	
0°	757	757	757	757	757	78
5°	1197	1032	753	562	522	78
15°	1636	1573	759	341	2XX	257
25°	1518	1685	642	219	192	400
35°	1226	1433	385	153	146	426
45°	903	997	239	98	102	369
55°	642	651	181	65	69	307
65°	406	459	97	37	46	205
75°	60	61	29	17	25	52
85°	3	6	6	4	8	6
90°	0	0	0	0	0	0



Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0°-30°	736.0	21.6	35.0
0°-40°	1161.0	34.2	55.3
0°-60°	1837.0	54.0	87.5
0°-90°	2100.0	61.8	100.0
90°-180°	0.0	0.0	0.0
0°-180°	2100.0	61.8	100.0



SHOWN: PAR20 and PAR16 with Sportster Louver Lens Holder

PRODUCT DETAILS

DESCRIPTION

Minimal, stylish head, pivots vertically 180°, rotates horizontally 350°. Features vertical and horizontal locking mechanisms. Dimmable with standard incandescent dimmer.

SYSTEM

Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 138).

FINISH

Satin nickel and white.

LAMP

120 volt incandescent PAR16 lamp with GU10 base up to 50 watts; PAR20 lamp with E26 medium base up to 50 watts; PAR30 lamp with E26 medium base up to 75 watts; PAR38 lamp with E26 medium base up to 120 watts (lamp not included). See pp. 141-148 for photometrics and lamp information.

OPTICAL CONTROLS

May be accessorized with Sportster Louver Lens Holder (sold separately).

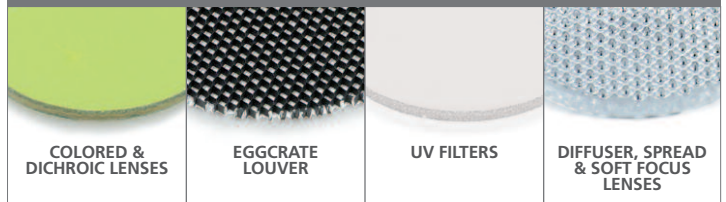
SPORTSTER LOUVER LENS HOLDER



Secures to front of Sportster head and holds up to two lenses or louvers (p. 95). Order separately.

	TYPE	FINISH
700SSLLH	16 PAR16	S SATIN NICKEL
	20 PAR20	W WHITE
	30 PAR30	
	38 PAR38	

OPTICAL CONTROL OPTIONS



COLORED & DICHOIC LENSES

EGGCRATE LOUVER

UV FILTERS

DIFFUSER, SPREAD & SOFT FOCUS LENSES

See page 95 for details

ORDERING GRID

	SYSTEM		TYPE	LENGTH (A)	FINISH
700	PJ	POWERJACK	SS 16	PAR16 08	SEE ABOVE S SATIN NICKEL
	TT	SINGLE-CIRCUIT	20	PAR20 12	11.1" W WHITE
		T~TRAK	30	PAR30 18	17.1"
	TT2	TWO-CIRCUIT	38	PAR38	
		T~TRAK			

Ordering grid example: 700TT2SS1612S



Single-Circuit T~TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector / Adjustable Standoffs without Connector / Flexible Connector / Sportster with Incandescent PAR Heads / PAR16 GU10 Lamps

LOCATION: SLANTED DOOR - SAN FRANCISCO, CA
DESIGNER: LUNDBERG DESIGN
PHOTOGRAPHER: DOUG SANDBERG



SHOWN: PAR30 Long with Lower Lens Holder and Eggcrate Louver

PRODUCT DETAILS

DESCRIPTION

Minimal, stylish head, pivots vertically 180°, rotates horizontally 350°. Features vertical and horizontal locking mechanisms.

SYSTEM

Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 139).

FINISH

Satin nickel and white.

BALLAST

Includes energy-saving electronic ballast in slim aluminum die-cast housing. Input voltage 120v 50/60 hertz, THD <10%. Power Jack version is compatible with Power Jack Canopy with CMH Ballast (sold separately).

LAMP

Ceramic metal halide MR16 lamp with GX10 base up to 39 watts; ceramic metal halide lamp with PAR20 E26 medium base up to 39 watts; PAR30 Long lamp with E26 medium base up to 70 watts (lamp not included). See pp. 141-148 for photometrics and lamp information.

OPTICAL CONTROLS

May be accessorized with Sportster Louver Lens Holder (sold separately).

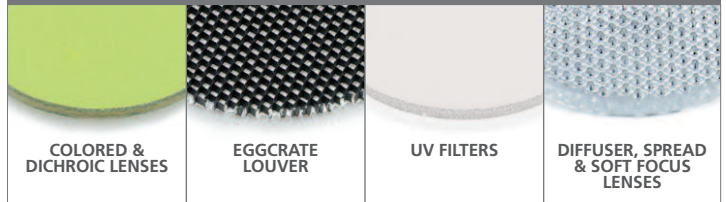
SPORTSTER LOUVER LENS HOLDER



Secures to front of Sportster head and holds up to two lenses or louvers (p. 95). Order separately.

	TYPE	FINISH
700SSLLH	16 MR16	S SATIN NICKEL
	20 PAR20	W WHITE
	30 PAR30 LONG	

OPTICAL CONTROL OPTIONS



See page 95 for details

ORDERING GRID

	SYSTEM		TYPE	WATTAGE	LENGTH (A)	FINISH
700	PJ	POWERJACK	SSC 16 CMH MR16	2 20 WATT	08 SEE ABOVE	S SATIN NICKEL
	TT	SINGLE-CIRCUIT	20 PAR20	3 39 WATT	12 11.1"	W WHITE
		T~TRAK	30L PAR30	7 70 WATT	18 17.1"*	
	TT2	TWO-CIRCUIT	LONG	(PAR30 ONLY)		
		T~TRAK				

* CMH MR16 not available in 17.1" length

Ordering grid example: 700TTSSC16312S



Single-Circuit T-TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector / 2" Rigid Standoffs without Connector / Sportster with Ceramic Metal Halide PAR Heads / PAR30 Long Lamps

LOCATION: SENTRY TOSA GROCERY STORE - MILWAUKEE, WI
PHOTOGRAPHER: LASZLO REGOS



SHOWN: PAR30 Long with Solid Lens Ring and PAR30 Short with Frost Lens Ring

PRODUCT DETAILS

DESCRIPTION

Organic shaped die cast aluminum head, pivots vertically 180°, rotates horizontally 350°. Features vertical and horizontal locking mechanisms and decorative lens ring.

SYSTEM

Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 138).

FINISH

Satin nickel and white.

LAMP

120 volt incandescent PAR30 Short or PAR30 Long lamp with E26 medium base up to 75 watts (not included). See pp. 141-148 for photometrics and lamp information.

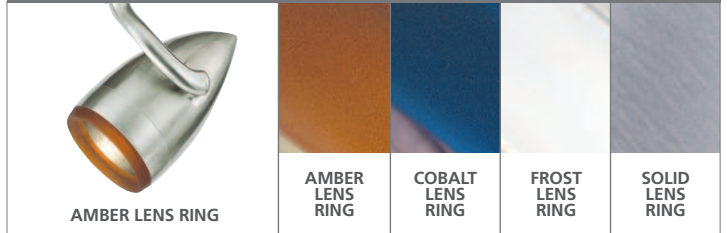
LENS RING

Satin nickel or white body with amber, cobalt, frost or solid (to match finish selection) lens ring.

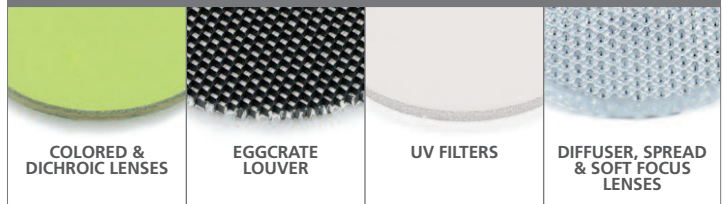
OPTICAL CONTROLS

Holds up to two, sold separately: Eggcrate Louver, Glass Lens, UV Filter. See p. 95 for complete listing.

LENS RING OPTIONS



OPTICAL CONTROL OPTIONS



See page 95 for details

ORDERING GRID

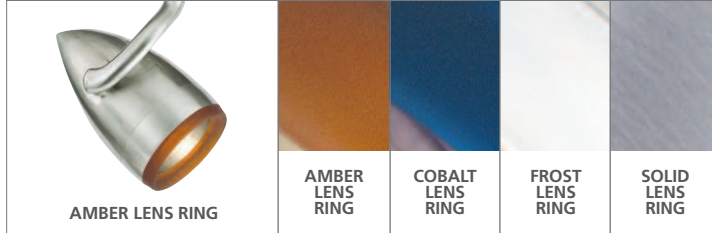
	SYSTEM		TYPE	LENS RING	FINISH
700	PJ	POWERJACK	BZ 30L PAR30 LONG	A AMBER	S SATIN NICKEL
	TT	SINGLE-CIRCUIT T~TRAK	30S PAR30 SHORT	B COBALT F FROST S SOLID	W WHITE
	TT2	TWO-CIRCUIT T~TRAK			

Ordering grid example: 700TT2BZ30LSS



SHOWN: PAR30 Long with Solid Lens Ring

LENS RING OPTIONS



AMBER LENS RING

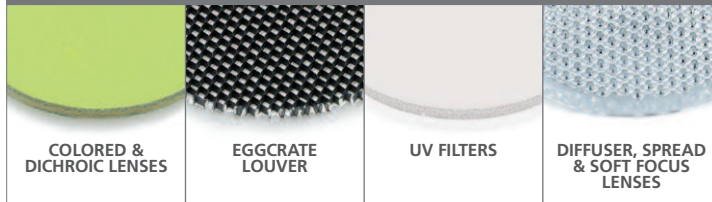
AMBER LENS RING

COBALT LENS RING

FROST LENS RING

SOLID LENS RING

OPTICAL CONTROL OPTIONS



COLORED & DICHOIC LENSES

EGGCRA TE LOUVER

UV FILTERS

DIFFUSER, SPREAD & SOFT FOCUS LENSES

See page 95 for details

ORDERING GRID

SYSTEM		TYPE	WATTAGE	LENS RING	FINISH
700	PJ POWERJACK	BZC 30L PAR30	2 20 WATTS	A AMBER	S SATIN NICKEL
	TT SINGLE-CIRCUIT T-TRAK	LONG	3 39 WATTS	B COBALT	W WHITE
	TT2 TWO-CIRCUIT T-TRAK		7 70 WATTS	F FROST	S SOLID

Ordering grid example: 700TTBZC30L3AS

PRODUCT DETAILS

DESCRIPTION

Organic shaped die cast aluminum head, pivots vertically 180°, rotates horizontally 350°. Features vertical and horizontal locking mechanisms and decorative lens ring.

SYSTEM

Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 139).

FINISH

Satin nickel and white.

BALLAST

Includes energy-saving electronic ballast in slim aluminum die cast housing. Input voltage 120v 50/60 hertz, THD <10%. Power Jack version is compatible with Power Jack Canopy with CMH Ballast (sold separately).

LAMP

Ceramic metal halide PAR30 Long lamp with E26 medium base up to 70 watts (lamp not included). See pp. 141-148 for photometrics and lamp information.

LENS RING

Satin nickel or white body with amber, cobalt, frost or solid (to match finish selection) lens ring.

OPTICAL CONTROLS

Holds up to two, sold separately: Eggcrate Louver, Glass Lens, UV Filter. See p. 95 for complete listing.



SHOWN: T4.5 with Solid Lens Ring

PRODUCT DETAILS

DESCRIPTION

Organic shaped die cast aluminum head, pivots vertically 180°, rotates horizontally 350°. Features vertical and horizontal locking mechanisms and decorative lens ring. Four beam spread options with specular reflector and UV filtering glass lens.

SYSTEM

Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 139).

FINISH

Satin nickel and white.

BALLAST

Includes energy-saving electronic ballast in slim aluminum die cast housing. Input voltage 120v 50/60 hertz, THD <10%. Power Jack version is compatible with Power Jack Canopy with CMH ballast (sold separately).

LAMP

Ceramic metal halide T4.5 lamp with G8.5 base up to 70 watts (lamp not included). See pp. 141-148 for additional photometrics and lamp information.

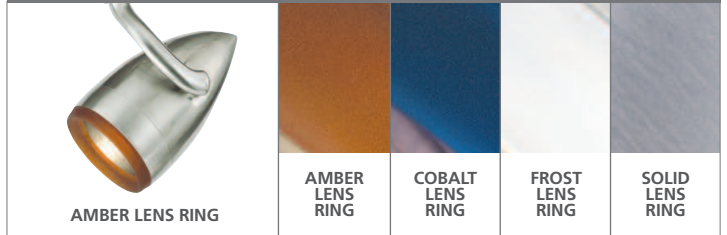
LENS RING

Satin nickel or white body with amber, cobalt, frost or solid (to match finish selection) lens ring.

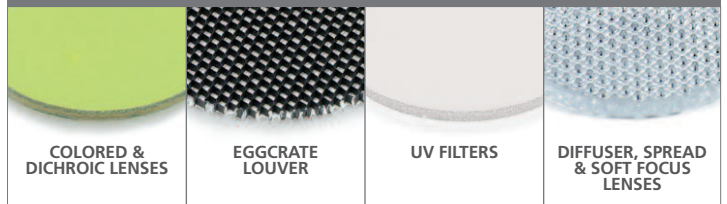
OPTICAL CONTROLS

Holds up to two (PAR30 size), sold separately: Eggcrate Louver, Glass Lens, UV Filter. See p. 95 for complete listing.

LENS RING OPTIONS



OPTICAL CONTROL OPTIONS



See page 95 for details

ORDERING GRID

SYSTEM		REFLECTOR	WATTAGE	LENS RING	FINISH	
700	PJ POWERJACK	BZT4	1 15 DEGREE	2 20 WATTS	A AMBER	S SATIN NICKEL
	TT SINGLE-CIRCUIT T~TRAK		3 30 DEGREE	3 39 WATTS	B COBALT	W WHITE
TT2	TWO-CIRCUIT T~TRAK	4 45 DEGREE	7 70 WATTS	F FROST		
		6 60 DEGREE		S SOLID		

Ordering grid example: 700TTBZT412AS

PHOTOMETRIC REPORT

Luminaire:

Fabricated metal housing, formed multi-faceted metal reflector with premium specular finish, clear flat glass lens in semi-specular metal trim ring.

Lamp:

One 39 watt clear T4.5 ceramic metal halide.

Ballast:

120 volt 50/60 hertz, THD < 10%

Initial Lumens:

3,400

Color Temperature:

3000K

Color Rendering Index:

>80

Rated Average Life:

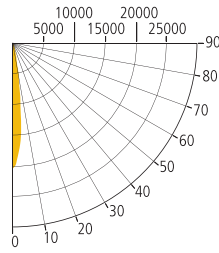
9,000 hours

15° REFLECTOR, 39 WATT LAMP

File name: lv_hds_breeze_CMH_T4_15.ies

Vertical Angle Horizontal Angle 0°

0°	20212
5°	13360
15°	1253
25°	316
35°	262
45°	212
55°	71
65°	0
75°	6
85°	5
90°	1



Axially Symmetric

Zonal Lumen Summary

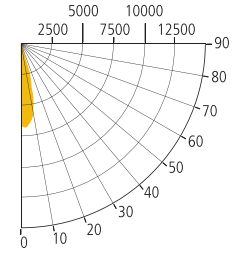
Zone	Lumens	%Lamp	%Fixt
0°-30°	1529.3	46.3	79.3
0°-40°	1693.0	51.3	87.8
0°-60°	1917.2	58.1	99.4
60°-90°	11.2	0.3	0.6
0°-90°	1928.4	58.4	100.0
90°-180°	0.0	0.0	0.0
0°-180°	1928.4	58.4	100.0

30° REFLECTOR, 39 WATT LAMP

File name: lv_hds_breeze_CMH_T4_30.ies

Vertical Angle Horizontal Angle 0°

0°	6662
5°	6742
15°	3545
25°	310
35°	330
45°	212
55°	61
65°	0
75°	6
85°	4
90°	1



Axially Symmetric

Zonal Lumen Summary

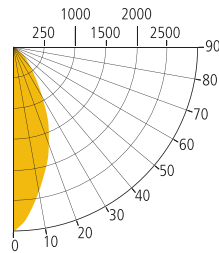
Zone	Lumens	%Lamp	%Fixt
0°-30°	1748.8	53.0	80.2
0°-40°	1948.2	59.0	89.4
0°-60°	2167.9	65.7	99.5
60°-90°	11.9	0.4	0.5
0°-90°	2179.8	66.1	100.0
90°-180°	0.0	0.0	0.0
0°-180°	2179.8	66.1	100.0

45° REFLECTOR, 39 WATT LAMP

File name: lv_hds_breeze_CMH_T4_45.ies

Vertical Angle Horizontal Angle 0°

0°	2840
5°	2544
15°	1827
25°	1250
35°	809
45°	550
55°	163
65°	61
75°	19
85°	1
90°	0



Axially Symmetric

Zonal Lumen Summary

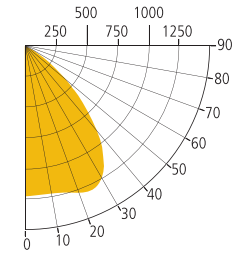
Zone	Lumens	%Lamp	%Fixt
0°-30°	1312.3	39.2	53.0
0°-40°	1824.0	54.5	73.6
0°-60°	2390.3	71.4	96.4
60°-90°	88.0	2.6	3.6
0°-90°	2478.3	74.1	100.0
90°-180°	0.0	0.0	0.0
0°-180°	2478.3	74.1	100.0

60° REFLECTOR, 39 WATT LAMP

File name: lv_hds_breeze_CMH_T4_60.ies

Vertical Angle Horizontal Angle 0°

0°	1228
5°	1195
15°	1221
25°	1300
35°	1102
45°	663
55°	221
65°	10
75°	12
85°	8
90°	2



Axially Symmetric

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0°-30°	1057.3	32.0	42.5
0°-40°	1738.3	52.7	69.9
0°-60°	2450.5	74.3	98.5
60°-90°	38.1	1.2	1.5
0°-90°	2488.7	75.4	100.0
90°-180°	0.0	0.0	0.0
0°-180°	2488.7	75.4	100.0



SHOWN: PAR30 with PAR Louver Lens Holder and PAR38 bare

PRODUCT DETAILS

DESCRIPTION

Minimal head pivots vertically 180°, rotates horizontally 350°. Features horizontal locking mechanism. Dimmable with a standard incandescent dimmer.

SYSTEM

Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 138).

FINISH

Satin nickel and white.

LAMP

120 volt incandescent PAR16 lamp with GU10 base up to 50 watts; PAR20 lamp with E26 medium base up to 50 watts; PAR30 lamp with E26 medium base up to 75 watts; PAR38 lamp with E26 medium base up to 120 watts (lamp not included). See pp. 141-148 for photometrics and lamp information.

OPTICAL CONTROLS

May be accessorized with PAR Louver Lens Holder (sold separately).

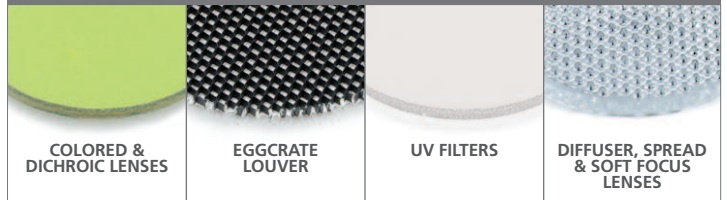
PAR LOUVER LENS HOLDER



PAR16 size hold one lens or louver; PAR20, PAR30, PAR38 sizes hold up to two lenses or louvers.(p. 95). Order separately.

	TYPE	FINISH
700PARLL	16 PAR16	S SATIN NICKEL
	20 PAR20	W WHITE
	30 PAR30	
	38 PAR38	

OPTICAL CONTROL OPTIONS

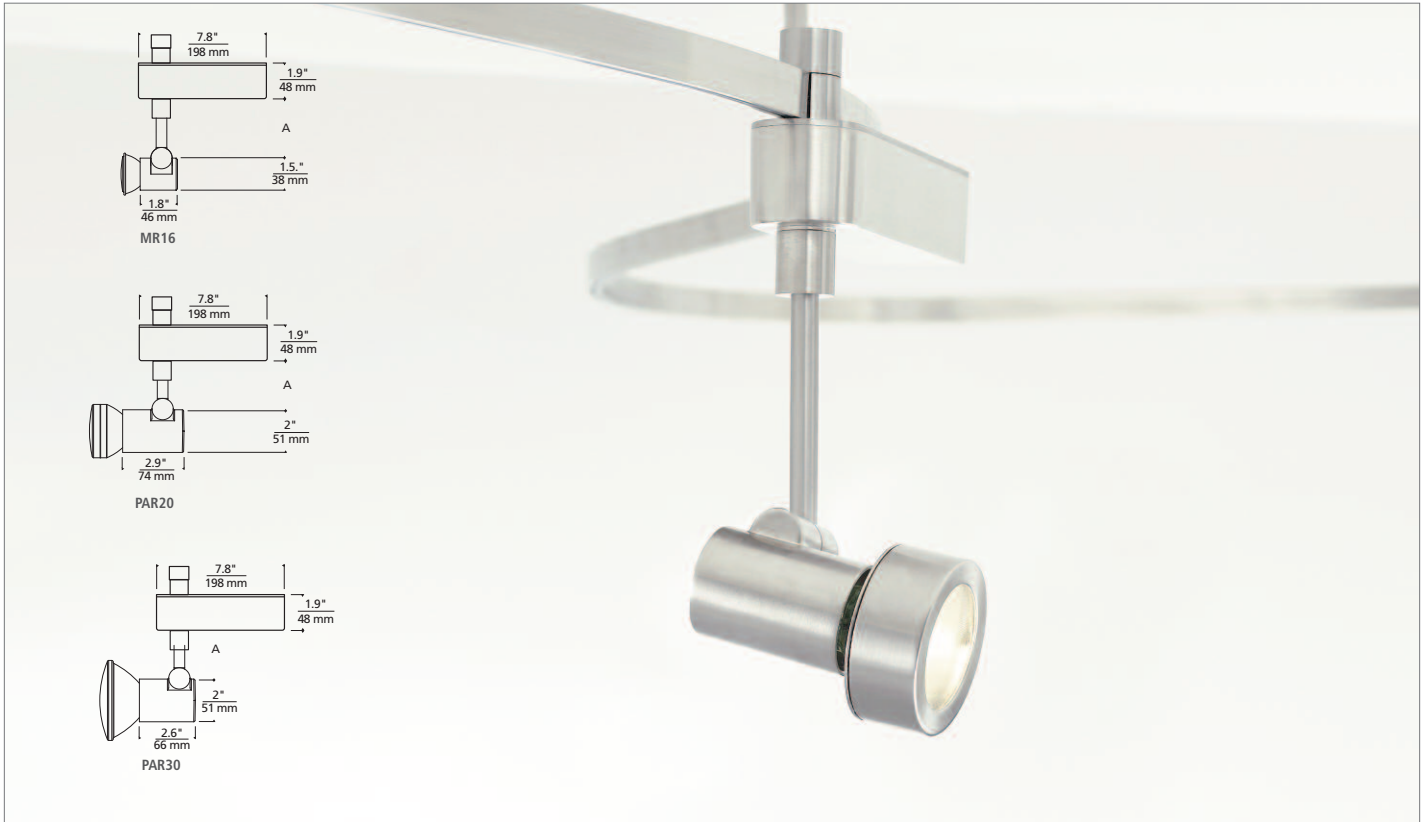


See page 95 for details

ORDERING GRID

	SYSTEM		TYPE	LENGTH (A)	FINISH
700	PJ	POWERJACK	TWS 16 PAR16	03 2.5"	S SATIN NICKEL
	TT	SINGLE-CIRCUIT	20 PAR20	06 6"	W WHITE
		T~TRAK	30 PAR30	12 12"	
		TWO-CIRCUIT	38 PAR38	18 18"	
		T~TRAK			

Ordering grid example: 700TTTWS3006S



SHOWN: PAR20 with PAR Louver Lens Holder

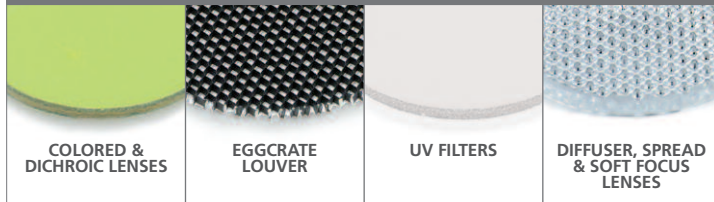
PAR LOUVER LENS HOLDER



PAR16 size hold one lens or louver; PAR20 and PAR30 Long sizes hold up to two lenses or louvers.(p. 95). Order separately.

	TYPE	FINISH
700PARLL	16 CMH MR16	S SATIN NICKEL
	20 PAR20	W WHITE
	30 PAR30 LONG	

OPTICAL CONTROL OPTIONS



See page 95 for details

ORDERING GRID

SYSTEM	TYPE	WATTAGE	LENGTH (A)	FINISH
700 PJ POWERJACK	TWSC 16 CMH MR16	2 20 WATT	06 6"	S SATIN NICKEL
TT SINGLE-CIRCUIT	20 PAR20	3 39 WATT	12 12"	W WHITE
T-TRAK	30L PAR30	7 70 WATT	18 18**	
TT2 TWO-CIRCUIT	LONG	(PAR30 ONLY)		
T-TRAK				

* CMH MR16 not available in 18" length

Ordering grid example: 700TTTWSCL6306S

PRODUCT DETAILS

DESCRIPTION

Minimal head pivots vertically 180°, rotates horizontally 350°. Features horizontal locking mechanisms.

SYSTEM

Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 139).

FINISH

Satin nickel and white.

BALLAST

Includes energy-saving electronic ballast in slim aluminum die cast housing. Input voltage 120v 50/60 hertz; THD<10%. Power Jack version is compatible with Power Jack Canopy with CMH Ballast (sold separately).

LAMP

Ceramic metal halide MR16 lamp with GX10 base up to 39 watts; ceramic metal halide PAR20 lamp with E26 medium base up to 39 watts; PAR30 long lamp with E26 medium base up to 70 watts (lamp not included). See pp. 141-148 for photometrics and lamp information.

OPTICAL CONTROLS

May be accessorized with PAR Louver Lens Holder (sold separately).



Custom Single-Circuit T-TRAK Satin Nickel Chandelier / Breeze with Incandescent PAR Heads /
Tweak with Incandescent PAR Heads / PAR30 Short Lamps / PAR30 Long Lamps

LOCATION: ST. MARIA GORETTI CATHOLIC CHURCH - MADISON, WI
LIGHTING DESIGNER: CLD-E
PHOTOGRAPHER: MARTIN PECK AND TERESA HAAS (CLD-E)



Two-Circuit T~TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector / 6" Rigid Standoffs with Connector / 6" Rigid Standoffs without Connector / Tweak with Incandescent PAR Heads / PAR20 Lamps



SHOWN: Aero with Tinkerbell Satin Nickel, Cone Glass Amber and Round Glass Frost

PRODUCT DETAILS

DESCRIPTION

Elegant, clean head rotates 350°, lamp pivots 180° to direct the beam. Accessory required; sold separately. Removable glass handle. Dimmable with standard incandescent dimmer.

SYSTEM

Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 138).

FINISH

Satin nickel and white.

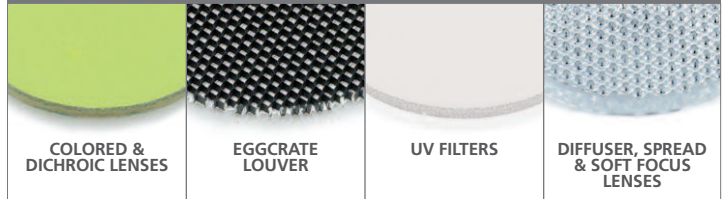
LAMP

120 volt incandescent PAR16 lamp with GU10 base, up to 50 watts (lamp not included). See pp. 141-148 for photometrics and lamp information.

ACCESSORIES

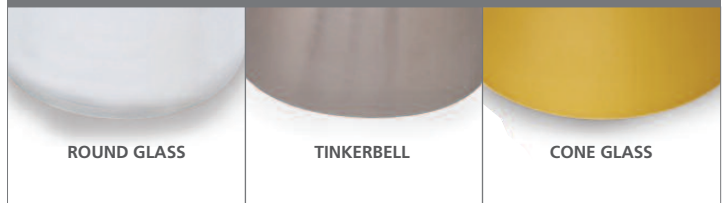
Aero Accessory required (sold separately, p. 95): Round Glass Shield, Tinkerbell or Cone Glass Shield. Holds up to two optical controls, sold separately: Eggcrate Louver, Glass Lens, UV Filter. See p. 95 for complete listing.

OPTICAL CONTROL OPTIONS



See page 95 for details

ACCESSORY OPTIONS



See page 95 for details

ORDERING GRID

	SYSTEM		TYPE	LENGTH (A)	FINISH
700	PJ	POWERJACK	AE 16 PAR16	03 3"	S SATIN NICKEL
	TT	SINGLE-CIRCUIT T~TRAK		06 6"	W WHITE
				12 12"	
TT2	TWO-CIRCUIT T~TRAK		18 18"		

Ordering grid example: 700TTAE1606S

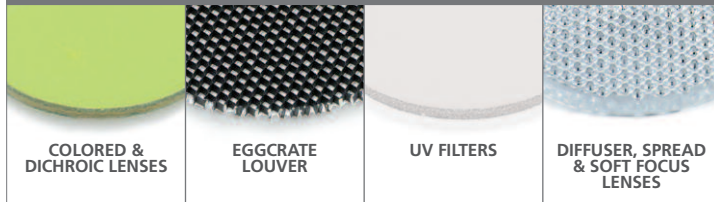


SHOWN: Pod in Amber, Clear and Amethyst

COLOR OPTIONS



OPTICAL CONTROL OPTIONS



See page 95 for details

ORDERING GRID

SYSTEM	TYPE	LENGTH (A)	COLOR	FINISH
700 PJ POWERJACK	POD 16 PAR16	03 4.2"	A AMBER	S SATIN NICKEL
TT SINGLE-CIRCUIT T-TRAK		06 6"	M AMETHYST	W WHITE
TT2 TWO-CIRCUIT T-TRAK		12 12"	C CLEAR	
		18 18"		

PRODUCT DETAILS

DESCRIPTION

Glass orb rotates 360°, lamp pivots 260° to direct the beam. Can hold up to two lenses or louvers. Dimmable with standard incandescent dimmer.

SYSTEM

Available for Power Jack, Single-Circuit T~TRAK, Two-Circuit T~TRAK. Power Jack canopies sold separately (p. 138).

FINISH

Satin nickel and white.

LAMP

120 volt incandescent PAR16 lamp with GU10 base up to 50 watts (lamp not included). See pp. 141-148 for photometrics and lamp information.



Single-Circuit T-TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector / Adjustable Standoffs with Connector / Flexible Connector / Breeze with Incandescent PAR Heads / PAR30 Lamps

LOCATION: ST. GATEWAY AUTO MUSEUM - GATEWAY, CO
 DESIGNER: JACK ROUSE ASSOCIATES
 LIGHTING DESIGNER: ABERNATHY LIGHTING DESIGN
 PHOTOGRAPHER: MATT LAUSE

COLORED & DICHOIC LENSES

Colored lenses wash the light with color; dichroic lenses filter for a pure effect.

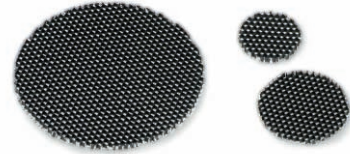


TYPE	SIZE	COLOR
140 FIL COLORED LENS	MR16/PAR16 20 PAR20	BLU BLUE GRN GREEN
DIC DICHOIC LENS	30 PAR30 38 PAR38	RED RED YEL YELLOW



EGGCRATE LOUVER

Honeycomb louver cuts glare from lamp.

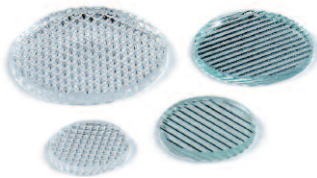


TYPE	SIZE
700 A02-BK	MR16/PAR16
A03-20	PAR20
A03-30	PAR30
A03-38	PAR38



DIFFUSER, SPREAD & SOFT FOCUS LENSES

Diffuser lenses diffuse the beam; linear spread lenses elongate it; soft focus lenses reduce lamp glare.



SIZE	TYPE
140 MR16	MR16/PAR16 DF DIFFUSER
P20	PAR20 LL LINEAR SPREAD
P30	PAR30 SF SOFT FOCUS
P38	PAR38



UV FILTERS

UV filter efficiently blocks UV radiation while transmitting high quality visible light.



SIZE	TYPE
140UV MR16	MR16/PAR16
P20	PAR20
P30	PAR30
P36	PAR36
P38	PAR38



Dimensions for Lenses, Louvers and Filters

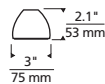
	A	B
PAR16	2.0" (50 mm)	.1" (3 mm)
PAR20	2.5" (64 mm)	.1" (3 mm)
PAR30	3.8" (97 mm)	.1" (3 mm)
PAR36	4.0" (100 mm)	.1" (3 mm)
PAR38	4.8" (122 mm)	.1" (3 mm)

AERO ACCESSORIES



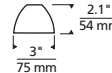
ROUND GLASS

COLOR
700RGL A AMBER
B COBALT
F FROST



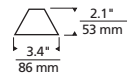
TINKERBELL

FINISH
700TBL S SATIN NICKEL
W WHITE



CONE GLASS

COLOR
700CGL A AMBER
B COBALT
F FROST







LINE-VOLTAGE PENDANTS

It is all about color, texture, vision and bringing a sense of the truly artistic to light. Shape, proportion and innovative materials create intriguing, unique fixtures.

The line-voltage pendants in this collection are larger in size to add drama and define the style of your environment. Nearly every pendant is also offered with a compact fluorescent option.

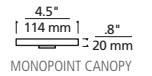
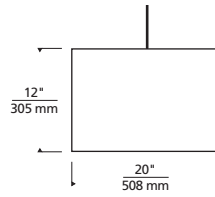
Powell Street Pendants Satin Nickel/Sunrise Orange / G40 Globe Lamps

PHOTOGRAPHER: ERIC ROTH

LEXINGTON



Large drum shaped fabric shade. Glass diffuser provides a glare free wash of light. Incandescent version Includes four 100 watt A19 medium base lamps; fluorescent version includes electronic ballasts hidden inside the shade and can be lamped with either four 26 watt or 32 watt GX24Q-3 base triple tube lamps (sold separately). Fluorescent version is available only as a monopoint. Fixture is provided with six feet of field-cutttable clear cable. Incandescent version dimmable with standard incandescent dimmer.



SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	LEXP B BLACK	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	N CHOCOLATE BROWN	W WHITE	-CF COMPACT FLUORESCENT 120V**
TT2 TWO-CIRCUIT T-TRAK	C DESERT CLAY		-CF277 COMPACT FLUORESCENT 277V**
	V OLIVE GREEN		
	R RED		
	W WHITE		

* Includes 4.5" round canopy

** TD only



BLACK



CHOCOLATE BROWN



DESERT CLAY



RED



WHITE

OLIVE GREEN



Lexington Pendants Black / A19 Lamps

LOCATION: MOJO'S ON 86TH, JOHNSTON, IA
 DESIGNER: REBECCA CARTWRIGHT
 PHOTOGRAPHER: TERRY WIECKERT

DELANCEY

4.5"
114 mm | .8"
20 mm
MONOPOINT CANOPY

CF

Large cylindrical shaped fabric shade. Glass diffuser provides a glare free wash of light. Incandescent version Includes four 100 watt A19 medium base lamps; fluorescent version includes electronic ballasts hidden inside the shade and can be lamped with either four 26 watt or 32 watt GX24Q-3 base triple tube lamps (sold separately). Fluorescent version is available only as a monopoint. Fixture is provided with six feet of field-cutable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	DELP N CHOCOLATE	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	BROWN	W WHITE	-CF COMPACT FLUORESCENT 120V**
TT2 TWO-CIRCUIT T-TRAK	C DESERT CLAY R RED W WHITE		-CF277 COMPACT FLUORESCENT 277V**

** Includes 4.5" round canopy* *** TD only*

DESERT CLAY

CHOCOLATE BROWN

RED

WHITE

MADISON

4.5"
114 mm | .8"
20 mm
MONOPOINT CANOPY

CF

Large square tapered fabric shade. Glass diffuser provides a glare free wash of light. Incandescent version Includes four 100 watt A19 medium base lamps; fluorescent version includes electronic ballasts hidden inside the shade and can be lamped with either four 26 watt or 32 watt GX24Q-3 base triple tube lamps (sold separately). Fluorescent version is available only as a monopoint. Fixture is provided with six feet of field-cutable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	MADP B BLACK	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	N CHOCOLATE BROWN	W WHITE	-CF COMPACT FLUORESCENT 120V**
TT2 TWO-CIRCUIT T-TRAK	C DESERT CLAY R RED W WHITE		-CF277 COMPACT FLUORESCENT 277V**

** Includes 4.5" round canopy* *** TD only*

CHOCOLATE BROWN

BLACK

DESERT CLAY

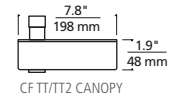
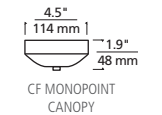
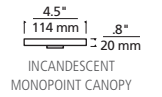
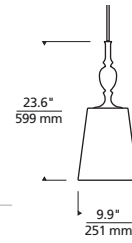
RED

WHITE

KIEV LARGE



Antique meets modern with a turned ornate glass fount and simple tapered fabric shade with rolled edges highlighted with a satin nickel detail. Includes 120 volt, 75 watt A19 medium base lamp or GX24Q-3 base 32 watt triple tube compact fluorescent lamp (electronic ballast included). Fixture provided with six feet of field-cutable clear cable. Incandescent version dimmable with standard incandescent dimmer.



SYSTEM	SHADE COLOR	FOUNT COLOR	FINISH	LAMP
700 TD MONOPOINT*	KIELP	B BLACK	C CLEAR	S SATIN NICKEL
TT SINGLE-CIRCUIT	W WHITE	F FROST	W WHITE	-CF
TT2 TWO-CIRCUIT		K SMOKE		-CF277
T-TRAK				INCANDESCENT 120V
T-TRAK				COMPACT FLUORESCENT 120V
T-TRAK				COMPACT FLUORESCENT 277V**

* Includes 4.5" round canopy

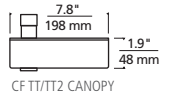
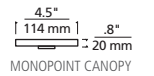
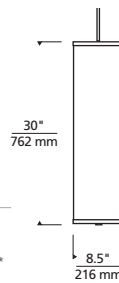
** TD only



TRIMBLE GRANDE



Grand modern fabric cylinder. Glass diffuser provides a glare free wash of light. Includes four 120 volt, 75 watt medium base A19 lamps or three 24 watt T5 high output linear fluorescent lamps (electronic ballast included). Fixture provided with six feet of field-cutable clear cable. Incandescent version dimmable with standard incandescent dimmer.



SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	TRMGP	C DESERT CLAY	S SATIN NICKEL
TT SINGLE-CIRCUIT	W WHITE	W WHITE	W WHITE
TT2 TWO-CIRCUIT			
T-TRAK			
T-TRAK			
T-TRAK			

* Includes 4.5" round canopy

** TD only



ECHO

4.5" | 114 mm | .8" | 20 mm
INCANDESCENT MONOPOINT CANOPY

4.5" | 114 mm | 1.9" | 48 mm
CF MONOPOINT CANOPY

7.8" | 198 mm | 1.9" | 48 mm
CF TT/TT2 CANOPY

CF Transparent cylinder shade over a white case glass cylinder highlighted with three satin nickel cylinder details. Available in two sizes: large and small. Large includes 120 volt, 75 watt A19 medium base lamp or 18 watt GX24Q-2 base triple tube compact fluorescent lamp (electronic ballast included). Small includes 120 volt, 60 watt mini-candelabra base lamp. Fixture is provided with six feet of field-cutable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	SIZE	COLOR	FINISH	LAMP
700 TD MONOPOINT*	ECP LARGE	A AMBER	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	S SMALL	Q AQUAMARINE	W WHITE	-CF COMPACT FLUORESCENT 120V
TT2 TWO-CIRCUIT T-TRAK		C CLEAR		-CF277 COMPACT FLUORESCENT 277V**
		N HAVANA BROWN		
		V OLIVE GREEN		
		K SMOKE		
		U STEEL BLUE		

** Includes 4.5" round canopy* *** TD only*

STEEL BLUE
AMBER
AQUAMARINE
CLEAR
HAVANA BROWN
OLIVE GREEN
SMOKE

FIRE GRANDE

4.5" | 114 mm | .8" | 20 mm
MONOPOINT CANOPY

CF Rich translucent glass surrounds a frost glass diffuser highlighted with a satin nickel detail. Includes 120 volt, 60 watt G9 base halogen lamp or 120 volt GU24 base 27 watt self-ballasted compact fluorescent lamp. Fixture provided with six feet of field-cutable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	FIRGP A AMBER	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	C CLEAR	W WHITE	-CF COMPACT FLUORESCENT 120V
TT2 TWO-CIRCUIT T-TRAK	N HAVANA BROWN		
	K SMOKE		
	U STEEL BLUE		

** Includes 4.5" round canopy*

HAVANA BROWN
AMBER
CLEAR
SMOKE
STEEL BLUE

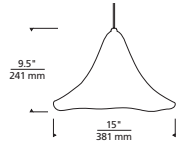
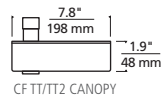
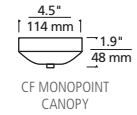
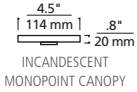


Single-Circuit T~TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector /
6" Rigid Standoffs with Connector / 6" Rigid Standoffs without Connector / Echo Pendants Amber /
Medium Base Lamps / Sportster Heads / A19 Lamps / PAR20 Lamps



Fire Onyx Pendants Satin Nickel / Medium Base Lamps

MONARCH



Hand-blown glass with a rich field of color and a brilliant clear or colored lip highlighted with a satin nickel detail. Includes 120 volt, 75 medium base A19 lamp or GX24Q-3 base 32 watt triple tube compact fluorescent lamp (electronic ballast included). Fixture provided with six feet of field-cutable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT* TT SINGLE-CIRCUIT T-TRAK	MNAP GN GOLD/HAVANA BROWN IN IVORY/HAVANA BROWN WC WHITE/CLEAR	S SATIN NICKEL W WHITE	INCANDESCENT 120V -CF COMPACT FLUORESCENT 120V -CF277 COMPACT FLUORESCENT 277V**

* Includes 4.5" round canopy

** TD only



IVORY/HAVANA BROWN

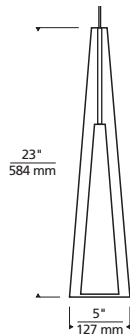
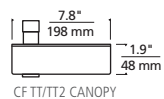
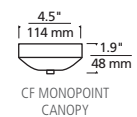
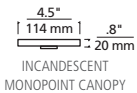


GOLD/HAVANA BROWN



WHITE/CLEAR

ROHE



Patterned transparent glass pyramid with a metal black frame highlighted with a white or colored inner case glass pyramid. Includes 120 volt, 75 watt A19 medium base lamp or GX24Q-3 base 32 watt triple tube compact fluorescent lamp (electronic ballast included). Fixture provided with six feet of field-cutable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	INNER/OUTER COLOR	FINISH	LAMP
700 TD MONOPOINT* TT SINGLE-CIRCUIT T-TRAK	ROHP RC DEEP RED/CLEAR BC HAVANA BROWN/CLEAR WC WHITE/CLEAR	S SATIN NICKEL W WHITE	INCANDESCENT 120V -CF COMPACT FLUORESCENT 120V -CF277 COMPACT FLUORESCENT 277V**
TT2 TWO-CIRCUIT T-TRAK			

* Includes 4.5" round canopy

** TD only



HAVANA BROWN/CLEAR



DEEP RED/CLEAR

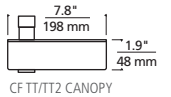
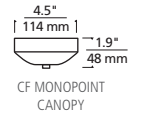
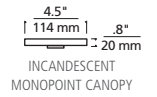
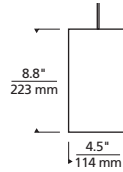


WHITE/CLEAR

PLAYA



Elegant multi-toned shade comprised of natural shell panels. The shells are burnished to remove rough edges, meticulously polished, cut to size, and carefully adhered by hand to an inner glass cylinder. Includes 120 volt 60 watt A19 medium base lamp or GX24Q-3 base 26 watt triple tube compact fluorescent lamp (electronic ballast included). Fixture is provided with six feet of field-cutttable clear cable. Incandescent version dimmable with standard incandescent dimmer.



SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	PLAP B BROWN	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	N NATURAL	W WHITE	-CF COMPACT FLUORESCENT 120V
TT2 TWO-CIRCUIT T-TRAK	W WHITE		-CF277 COMPACT FLUORESCENT 277V**

* Includes 4.5" round canopy

** TD only



BROWN



WHITE

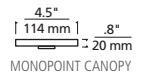
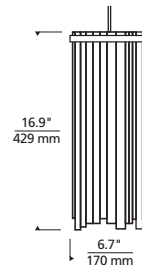


NATURAL

KAMI



Plate glass is cut into individual panels to create a beautiful, multi-faceted shade and inner glass diffuser highlighted with a satin nickel detail. Includes 120 volt, 100 watt medium base A19 lamp or 120 volt GU24 base 27 watt self-ballasted compact fluorescent lamp. Fixture provided with six feet of field-cutttable clear cable. Incandescent version dimmable with standard incandescent dimmer.



SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	KAMP B BROWN	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	S SAND	W WHITE	-CF COMPACT FLUORESCENT 120V
TT2 TWO-CIRCUIT T-TRAK	W WHITE		

* Includes 4.5" round canopy



SAND



WHITE



BROWN

FINO LARGE

CF MONOPOINT CANOPY

CF TT/TT2 CANOPY

CF Slender case glass shade topped with satin nickel metal detail. Includes 2G11 base 36 watt twin tube compact fluorescent lamp (electronic ballast included). Fixture provided with six feet of field-cutable clear cable. Not dimmable.

SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	FINPL A AMBER	S SATIN NICKEL	-CF COMPACT FLUORESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	B BROWN	W WHITE	-CF277 COMPACT FLUORESCENT 277V**
TT2 TWO-CIRCUIT T-TRAK	L LATTE	W WHITE	

* Includes 4.5" round canopy ** TD only

LATTE

AMBER

BROWN

WHITE

FINO SMALL

INCANDESCENT MONOPOINT CANOPY

CF MONOPOINT CANOPY

CF TT/TT2 CANOPY

CF Slender case glass shade topped with satin nickel detail. Includes 120 volt, 75 watt medium base A19 lamp or G24Q-3 base 26 watt quad tube compact fluorescent lamp (electronic ballast included). Fixture provided with six feet of field-cutable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	FINPS A AMBER	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	B BROWN	W WHITE	-CF COMPACT FLUORESCENT 120V
TT2 TWO-CIRCUIT T-TRAK	L LATTE	W WHITE	-CF277 COMPACT FLUORESCENT 277V**

* Includes 4.5" round canopy ** TD only

BROWN

AMBER

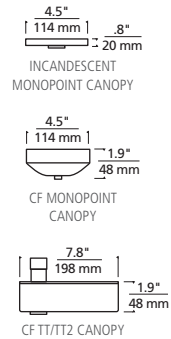
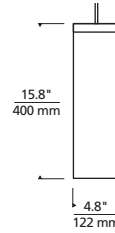
LATTE

WHITE

HUDSON



Clean pure style with presence. A long cylindrical glass shade topped with a simple satin nickel metal cap detail. Choose from a selection of rich glass colors with a gloss finish. Includes 120 volt, 75 watt A19 medium base lamp or 32 watt GX24Q-3 base triple tube compact fluorescent lamp (electronic ballast included). Fixture is provided with six feet of field-cutttable clear cable. Incandescent version dimmable with standard incandescent dimmer



SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	HUDP N BROWN	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT	L LATTE	W WHITE	-CF COMPACT FLUORESCENT 120V
T-TRAK	R RED		-CF277 COMPACT FLUORESCENT 277V**
TT2 TWO-CIRCUIT	W WHITE		
T-TRAK			

* Includes 4.5" round canopy

** TD only

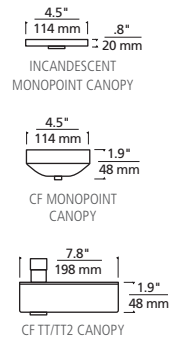
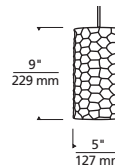


BROWN LATTE WHITE RED

EDGE



Hand etched glass shade provides a rich textured look. Includes 120 volt, 75 watt A19 medium base lamp or 32 watt GX24Q-3 base triple tube compact fluorescent lamp (electronic ballast included). Fixture is provided with six feet of field-cutttable clear cable. Incandescent version dimmable with standard incandescent dimmer.



SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	EDGP A AMBER	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT	B BROWN	W WHITE	-CF COMPACT FLUORESCENT 120V
T-TRAK	C CRYSTAL		-CF277 COMPACT FLUORESCENT 277V**
TT2 TWO-CIRCUIT	G GRAY		
T-TRAK			

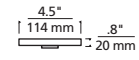
* Includes 4.5" round canopy

** TD only

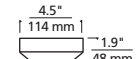


AMBER BROWN CRYSTAL GRAY

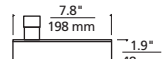
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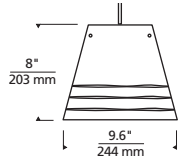
INCANDESCENT MONOPOINT CANOPY



CF MONOPOINT CANOPY



CF TT/TT2 CANOPY



Classically shaped glass shade with unique hand-carving highlighted with satin nickel detail. Includes 120 volt, 100 watt A19 medium base lamp or 18 watt GX24Q-2 base triple tube compact fluorescent lamp (electronic ballast included). Fixture is provided with six feet of field-cutttable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	SRNP A LATTE/WHITE	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	B BLACK/WHITE	W WHITE	-CF COMPACT FLUORESCENT 120V
TT2 TWO-CIRCUIT T-TRAK	N BROWN/WHITE		-CF277 COMPACT FLUORESCENT 277V**
	R RED/WHITE		
	W WHITE/CLEAR		

* Includes 4.5" round canopy

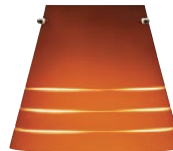
** TD only



LATTE/WHITE



BLACK/WHITE



BROWN/WHITE

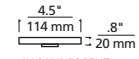


RED/WHITE

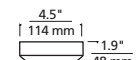


WHITE/CLEAR

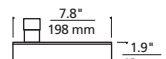
PALMA



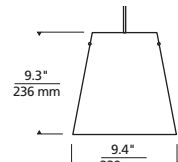
INCANDESCENT MONOPOINT CANOPY



CF MONOPOINT CANOPY



CF TT/TT2 CANOPY



Classically shaped glass shade highlighted with satin nickel detail. Includes 120 volt, 150 watt A21 medium base lamp or 32 watt GX24Q-3 base triple tube compact fluorescent lamp (electronic ballast included). Fixture is provided with six feet of field-cutttable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	PLP F FROST WHITE	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	A TAHOE PINE AMBER	W WHITE	-CF COMPACT FLUORESCENT 120V
TT2 TWO-CIRCUIT T-TRAK	W WHITE FRIT		-CF277 COMPACT FLUORESCENT 277V**

* Includes 4.5" round canopy

** TD only



WHITE FRIT



TAHOE PINE AMBER



FROST WHITE



Palma Pendants White Frit / Medium Base Lamps

SODA

4.5"
| 114 mm | **.8"**
| 20 mm |

INCANDESCENT
MONOPOINT
CANOPY

4.5"
| 114 mm | **1.9"**
| 48 mm |

CF MONOPOINT
CANOPY

7.8"
| 198 mm | **1.9"**
| 48 mm |

CF TT/TT2 CANOPY

CF

Sleek glass shade infused with bubbles. Includes 120 volt, 75 watt A19 medium base lamp or 32 watt GX24Q-3 base triple tube compact fluorescent lamp (electronic ballast included). Fixture is provided with six feet of field-cutable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	SDALP A AMBER	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	B BLUE	W WHITE	-CF COMPACT FLUORESCENT 120V
TT2 TWO-CIRCUIT T-TRAK	F FROST		-CF277 COMPACT FLUORESCENT 277V**

** Includes 4.5" round canopy* *** TD only*

AMBER

BLUE

FROST

MONTANA

4.5"
| 114 mm | **.8"**
| 20 mm |

INCANDESCENT
MONOPOINT
CANOPY

4.5"
| 114 mm | **1.9"**
| 48 mm |

CF MONOPOINT
CANOPY

7.8"
| 198 mm | **1.9"**
| 48 mm |

CF TT/TT2 CANOPY

CF

Well rounded and full in form glass shade, richly layered in brilliant colored frit highlighted with satin nickel top detail. Includes 120 volt, 75 watt A19 medium base lamp or 32 watt GX24Q-2 base triple tube compact fluorescent lamp (electronic ballast included). Fixture is provided with six feet of field-cutable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	MNTP B BLUE-VIOLET	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	R FERRARI RED	W WHITE	-CF COMPACT FLUORESCENT 120V
TT2 TWO-CIRCUIT T-TRAK	M MULTICOLOR		-CF277 COMPACT FLUORESCENT 277V**
	A TAHOE PINE AMBER		
	W WHITE FRIT		

** Includes 4.5" round canopy* *** TD only*

TAHOE PINE AMBER

BLUE-VIOLET

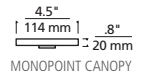
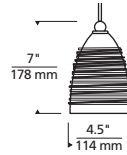
FERRARI RED

MULTICOLOR

WHITE FRIT

SMALL NEST

Glass shade with clear glass wrap and satin nickel ball detail. Includes 120 volt 60 watt mini-candelabra base lamp. Fixture is provided with six feet of field-cutttable clear cable. Dimmable with standard incandescent dimmer.



SYSTEM	COLOR	FINISH
700 TD MONOPOINT*	NSP A AMBER	S SATIN NICKEL
TT SINGLE-CIRCUIT T-TRAK	B COBALT BLUE	W WHITE
TT2 TWO-CIRCUIT T-TRAK	W FROST WHITE	
	R RED	

* Includes 4.5" round canopy



AMBER

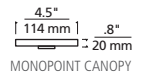
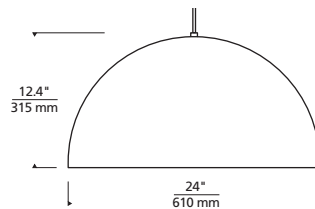
FROST WHITE

RED

COBALT BLUE

POWELL STREET

Spun metal shade, coated to provide a wash of white or tinted light. Includes 120 volt, 150 watt medium base G40 globe lamp. Fixture is provided with six feet of field-cutttable clear cable. Dimmable with standard incandescent dimmer.



SYSTEM	OUTER/INNER COLOR	FINISH
700 TD MONOPOINT*	PSP24 SO SATIN NICKEL/SUNRISE ORANGE	S SATIN NICKEL
TT SINGLE-CIRCUIT T-TRAK	SW SATIN NICKEL/WHITE	W WHITE
TT2 TWO-CIRCUIT T-TRAK		

* Includes 4.5" round canopy



SATIN NICKEL/WHITE



SATIN NICKEL/SUNRISE ORANGE

TAZA

4.5" | 114 mm | .8" | 20 mm
INCANDESCENT MONOPOINT CANOPY

4.5" | 114 mm | 1.9" | 48 mm
CF MONOPOINT CANOPY

7.8" | 198 mm | 1.9" | 48 mm
CF TT/TT2 CANOPY

CF

Blown glass shade with intense color twists. Includes 120 volt, 75 watt A19 medium base lamp or 18 watt GX24Q-2 base triple tube compact fluorescent lamp (electronic ballast included). Fixture is provided with six feet of field-cutable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	TAZP A AMBER	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	B BLUE/GREEN	W WHITE	-CF COMPACT FLUORESCENT 120V
TT2 TWO-CIRCUIT T-TRAK	N BROWN		-CF277 COMPACT FLUORESCENT 277V**
	C CREAM		
	R RED		

* Includes 4.5" round canopy ** TD only

AMBER
BLUE/GREEN
BROWN
CREAM
RED

STARRY NIGHT

4.5" | 114 mm | .8" | 20 mm
INCANDESCENT MONOPOINT CANOPY

4.5" | 114 mm | 1.9" | 48 mm
CF MONOPOINT CANOPY

7.8" | 198 mm | 1.9" | 48 mm
CF TT/TT2 CANOPY

CF

Blown glass shade of richly layered color where selected areas are hand twisted. Includes 120 volt, 75 watt A19 medium base lamp or 18 watt GX24Q-2 base triple tube compact fluorescent lamp (electronic ballast included). Fixture is provided with six feet of field-cutable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	STRLP C CARAMEL	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	A DARK AMBER	W WHITE	-CF COMPACT FLUORESCENT 120V
TT2 TWO-CIRCUIT T-TRAK	W WHITE		-CF277 COMPACT FLUORESCENT 277V**

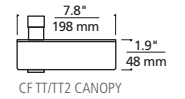
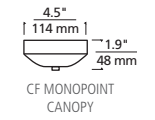
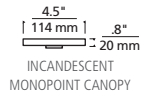
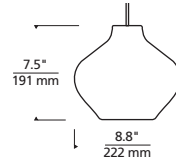
* Includes 4.5" round canopy ** TD only

DARK AMBER
CARAMEL
WHITE

SCAVO LARGE



Curve shaped glass with a frosted old world charm. Includes 120 volt, 60 watt mini-candelabra base lamp or 18 watt GX24Q-2 base triple tube compact fluorescent lamp (electronic ballast included). Fixture is provided with six feet of field-cutttable clear cable. Incandescent version dimmable with standard incandescent dimmer.



SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	SCALP A AMBER	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT	M AMETHYST	W WHITE	-CF COMPACT FLUORESCENT 120V
T-TRAK	F FROST		-CF277 COMPACT FLUORESCENT 277V**
TT2 TWO-CIRCUIT	G GREEN		
T-TRAK			

* Includes 4.5" round canopy

** TD only



AMETHYST



FROST



GREEN



AMBER



Taza Pendants Satin Nickel / Medium Base Lamps

MELROSE

4.5" | 114 mm | .8" | 20 mm
INCANDESCENT MONOPOINT CANOPY

4.5" | 114 mm | 1.9" | 48 mm
CF MONOPOINT CANOPY

7.8" | 198 mm | 1.9" | 48 mm
CF TT/TT2 CANOPY

CF

Gracefully shaped glass shade, richly layered in brilliant color, with satin nickel machined top detail. Includes 120 volt, 60 watt mini-candelabra base lamp or 18 watt GX24Q-2 base triple tube compact fluorescent lamp (electronic ballast included). Fixture is provided with six feet of field-cutable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	MLP B BLUE-VIOLET	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	R FERRARI RED	W WHITE	-CF COMPACT FLUORESCENT 120V
TT2 TWO-CIRCUIT T-TRAK	M MULTICOLOR A TAHOE PINE AMBER W WHITE FRIT		-CF277 COMPACT FLUORESCENT 277V**

* Includes 4.5" round canopy ** TD only

TAHOE PINE AMBER

BLUE-VIOLET

FERRARI RED

MULTICOLOR

WHITE

OVATION

4.5" | 114 mm | .8" | 20 mm
INCANDESCENT MONOPOINT CANOPY

4.5" | 114 mm | 1.9" | 48 mm
CF MONOPOINT CANOPY

7.8" | 198 mm | 1.9" | 48 mm
CF TT/TT2 CANOPY

CF

Hand pulled glass shade, richly layered in brilliant color, with machined top or glass ball detail. Handmade wrought iron wrap accessory sold separately below. Includes 120 volt, 75 watt A19 medium base lamp or 18 watt GX24Q-2 base triple tube compact fluorescent lamp (electronic ballast included). Fixture is provided with six feet of field-cutable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	COLOR	GLASS BALL	FINISH	LAMP
700 TD MONOPOINT*	OVP R FERRARI RED	NN NO BALL	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	A TAHOE PINE AMBER	AN AMBER CN CLEAR	W WHITE	-CF COMPACT FLUORESCENT 120V
TT2 TWO-CIRCUIT T-TRAK	T TORTOISE SHELL W WHITE FRIT	RN RED		-CF277 COMPACT FLUORESCENT 277V**

* Includes 4.5" round canopy ** TD only

TORTOISE SHELL W/ AMBER GLASS BALL AND BLACK IRON WRAP ACCESSORY

FERRARI RED

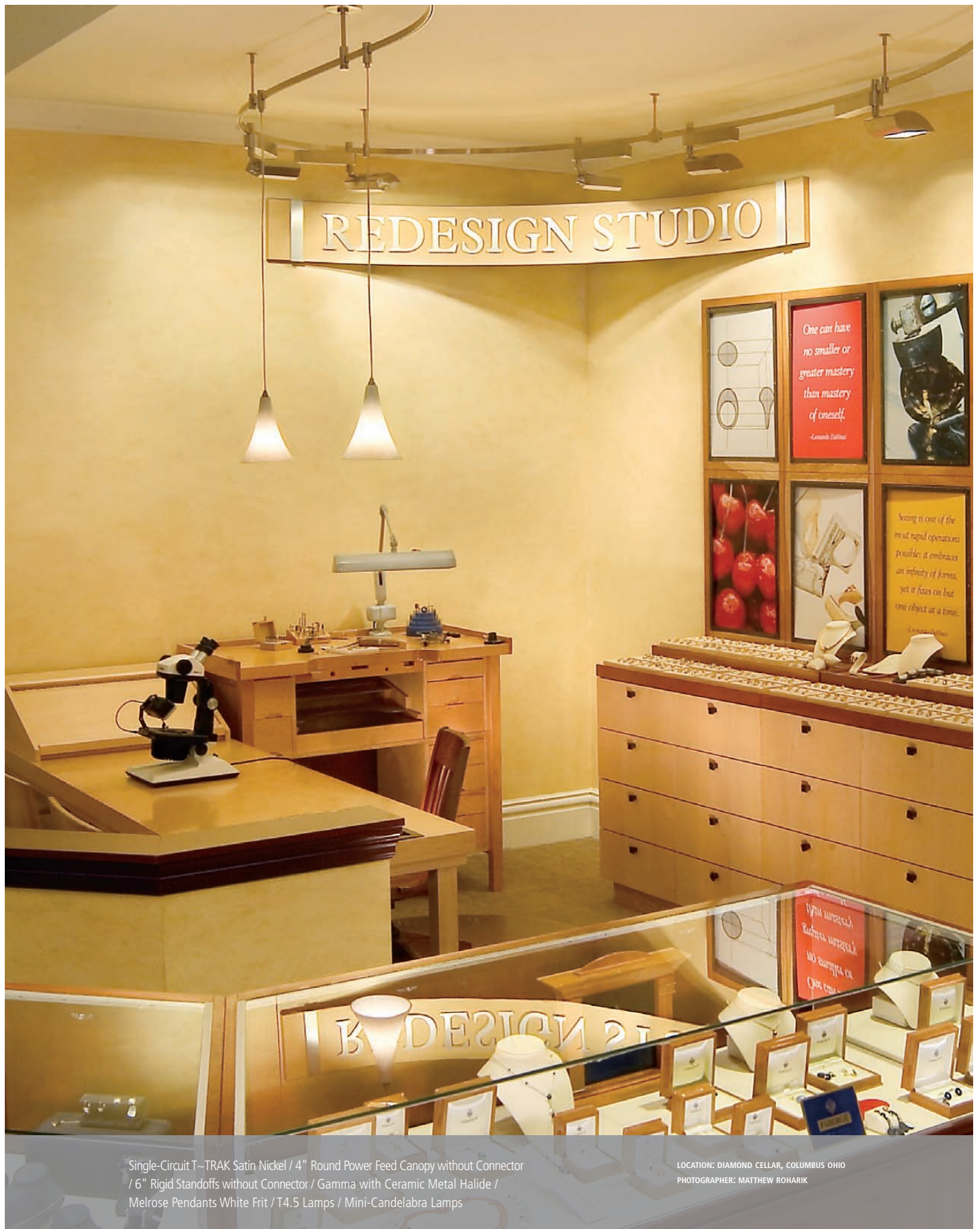
TAHOE PINE AMBER W/ CLEAR GLASS BALL AND SATIN NICKEL IRON WRAP ACCESSORY

WHITE FRIT

IRON WRAP ACCESSORY

FINISH

700FJMOVLR I BLACK IRON
S SATIN NICKEL



Single-Circuit T~TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector
/ 6" Rigid Standoffs without Connector / Gamma with Ceramic Metal Halide /
Melrose Pendants White Frit / T4.5 Lamps / Mini-Candelabra Lamps

LOCATION: DIAMOND CELLAR, COLUMBUS OHIO
PHOTOGRAPHER: MATTHEW ROHARIK

EMERGE

4.5" | 114 mm | .8" | 20 mm
INCANDESCENT MONOPOINT CANOPY

4.5" | 114 mm | 1.9" | 48 mm
CF MONOPOINT CANOPY

7.8" | 198 mm | 1.9" | 48 mm
CF TT/TT2 CANOPY

CF

Conical shaped glass shade, richly layered in brilliant color highlighted with satin nickel detail. Includes 120 volt, 75 watt A19 medium base lamp or 18 watt GX24Q-2 base triple tube compact fluorescent lamp (electronic ballast included). Fixture is provided with six feet of field-cutttable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	COLOR	FINISH	LAMP
700 TD MONOPOINT*	EMP B BLUE-VIOLET	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	R FERRARI RED	W WHITE	-CF COMPACT FLUORESCENT 120V
TT2 TWO-CIRCUIT T-TRAK	F FROST WHITE		-CF277 COMPACT FLUORESCENT 277V**
	G LIME GREEN		
	M MULTICOLOR		
	A TAHOE PINE AMBER		
	W WHITE FRIT		

** Includes 4.5" round canopy* *** TD only*

TAHOE PINE AMBER

BLUE-VIOLET

FERRARI RED

FROST WHITE

LIME GREEN

MULTICOLOR

WHITE FRIT

SPIRIT

4.5" | 114 mm | .8" | 20 mm
INCANDESCENT MONOPOINT CANOPY

4.5" | 114 mm | 1.9" | 48 mm
CF MONOPOINT CANOPY

7.8" | 198 mm | 1.9" | 48 mm
CF TT/TT2 CANOPY

CF

Conical shaped glass shade, richly layered in brilliant color, with glass ball detail highlighted with satin nickel detail. Includes 120 volt, 75 watt A19 medium base lamp or 18 watt GX24Q-2 base triple tube compact fluorescent lamp (electronic ballast included). Fixture is provided with six feet of field-cutttable clear cable. Incandescent version dimmable with standard incandescent dimmer.

SYSTEM	COLOR	GLASS BALL	FINISH	LAMP
700 TD MONOPOINT*	SSP B BLUE-VIOLET	A AMBER	S SATIN NICKEL	INCANDESCENT 120V
TT SINGLE-CIRCUIT T-TRAK	R FERRARI RED	C CLEAR	W WHITE	-CF COMPACT FLUORESCENT 120V
TT2 TWO-CIRCUIT T-TRAK	F FROST WHITE	B COBALT BLUE		-CF277 COMPACT FLUORESCENT 277V**
	G LIME GREEN	R RED		
	M MULTICOLOR			
	A TAHOE PINE AMBER			
	W WHITE FRIT			

** Includes 4.5" round canopy* *** TD only*

FERRARI RED WITH RED GLASS BALL

BLUE-VIOLET WITH COBALT BLUE GLASS BALL

WHITE FRIT WITH CLEAR GLASS BALL

LIME GREEN WITH CLEAR GLASS BALL

MULTICOLOR WITH COBALT BLUE GLASS BALL

TAHOE PINE AMBER WITH AMBER GLASS BALL

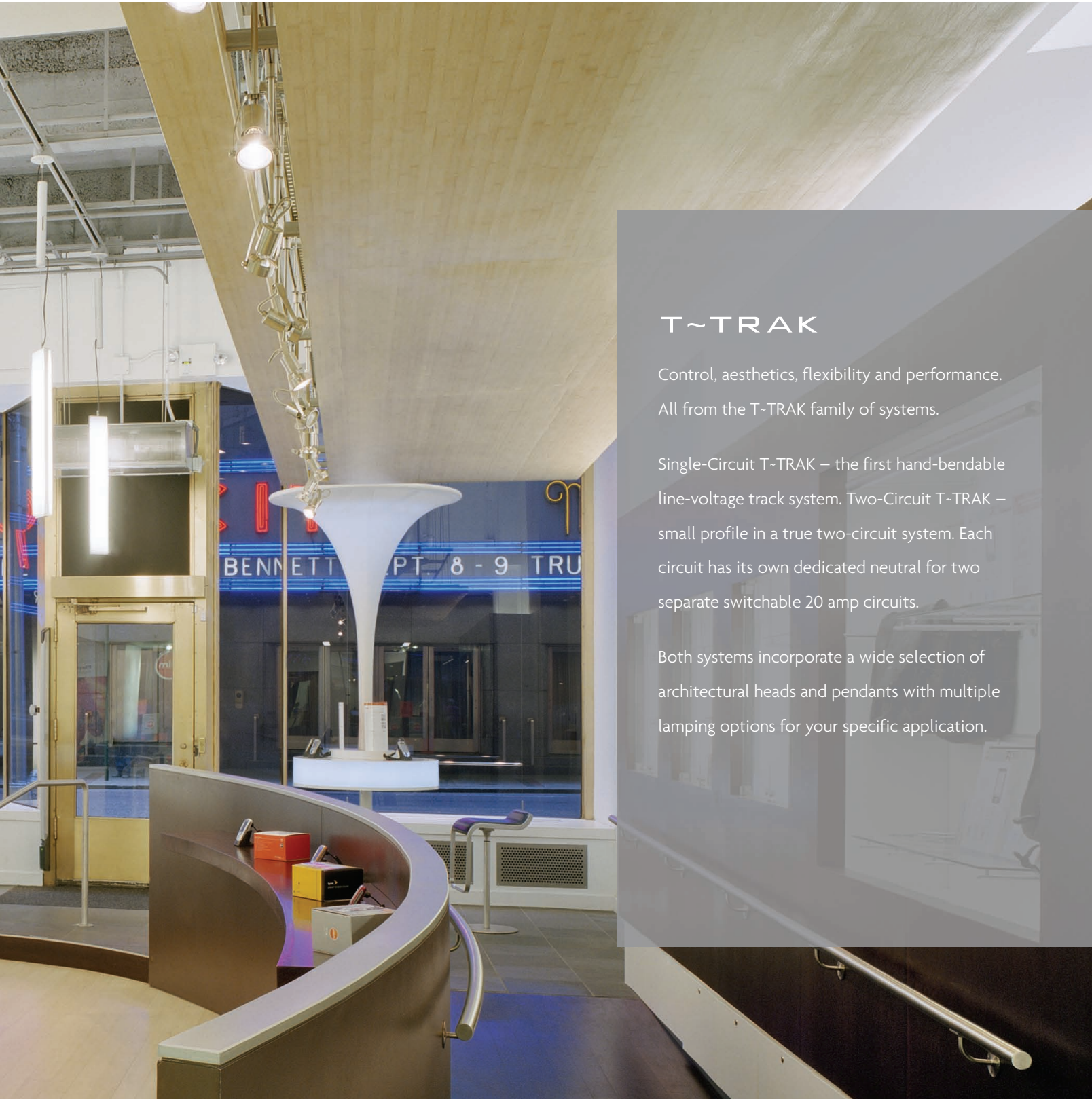
FROST WHITE WITH BLUE GLASS BALL



Single-Circuit T~TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector / 2" Rigid Standoffs without Connector / Emerge Pendants Tahoe Pine Amber / Medium Base Lamps

LOCATION: FLANNER'S HOME ENTERTAINMENT - BROOKFIELD, WI
LIGHTING DESIGN: MARTY PECK, CREATIVE LIGHTING DESIGN & ENGINEERING
PHOTOGRAPHER: JON P. JANZEN





T~TRAK

Control, aesthetics, flexibility and performance. All from the T-TRAK family of systems.

Single-Circuit T-TRAK – the first hand-bendable line-voltage track system. Two-Circuit T-TRAK – small profile in a true two-circuit system. Each circuit has its own dedicated neutral for two separate switchable 20 amp circuits.

Both systems incorporate a wide selection of architectural heads and pendants with multiple lamping options for your specific application.

Single-Circuit T~TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector / 12" Rigid Standoffs with Connector / 12" Rigid Standoffs without Connector / Sportster with Incandescent PAR Heads / PAR20 Lamps

LOCATION: PALM - NEW YORK, NY
PHOTOGRAPHER: © PAUL RIVERA - ARCH PHOTO, INC



Single-Circuit T~TRAK White / 4" Round Power Feed Canopy without Connector / 36" Rigid Standoffs with Connector / 36" Rigid Standoffs without Connector / Spot with Incandescent PAR Heads / PAR20 Lamps

PHOTOGRAPHER: SCOTT SLARSKY



Single-Circuit T-TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector / Adjustable Standoffs with Connector / Adjustable Standoffs without Connector / Flexible Connectors / Om with Ceramic Metal Halide PAR Heads / PAR20 Lamps

LOCATION: TUSTIN LIBRARY - TUSTIN, CA
PHOTOGRAPHER: DAVID WAKELY



Single-Circuit T~TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector / 2" Rigid Standoffs with Connector / 2" Rigid Standoffs without Connector / Flexible Connectors / Sportster with Incandescent PAR Heads / PAR16 Lamps

LOCATION: COURTYARD FAIRFAX FAIR OAKS - FAIRFAX, VA
PHOTOGRAPHER: BURNETT STUDIOS - JIM BURNETT JR.



Single-Circuit T~TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector / 24" Rigid Standoffs with Connector / Spot with Incandescent PAR Heads / PAR30 Lamps

LOCATION: VESTA HOME - WASHINGTON, DC
PHOTOGRAPHER: COURTESY VESTA HOME

STEP ONE: DESIGN YOUR SINGLE OR TWO-CIRCUIT T~TRAK SYSTEM



The first step in designing your T~TRAK system is to determine what it is you are trying to light. You'll need to decide where the heads or pendants should be installed to put light where you want it. See Compatible Heads and Pendants on pp. 16-19 for thumbnails of all available fixtures with lamp type and maximum wattage. Refer to the indicated pages for detailed specifications. Choose your heads and pendants then add accessories and optical controls, if desired. When ordering low-voltage FreeJack fixtures for a T~TRAK system, order a T~TRAK FreeJack Connector (sold separately, p. 11) for each FreeJack fixture.



Draw in your T~TRAK run. Remember, T~TRAK can be shaped by hand to follow architectural details or to create an organic shape. Factory pre-bent shapes are also offered in several configurations. Your T~TRAK run should be placed so it intersects the locations of all the heads and pendants and runs directly beneath the ceiling junction box that will be used to power the system (see pp. 130-131). Determine if you will be using Single-Circuit T~TRAK or Two-Circuit T~TRAK then specify how many sections of track you'll need (p. 128).

STEP TWO: ADD HARDWARE TO COMPLETE THE SYSTEM



Determine how far from the ceiling you want the system to drop. Choose a power feed canopy (pp. 130-131) of the appropriate length and style. The maximum standard drop for T~TRAK is eight feet.



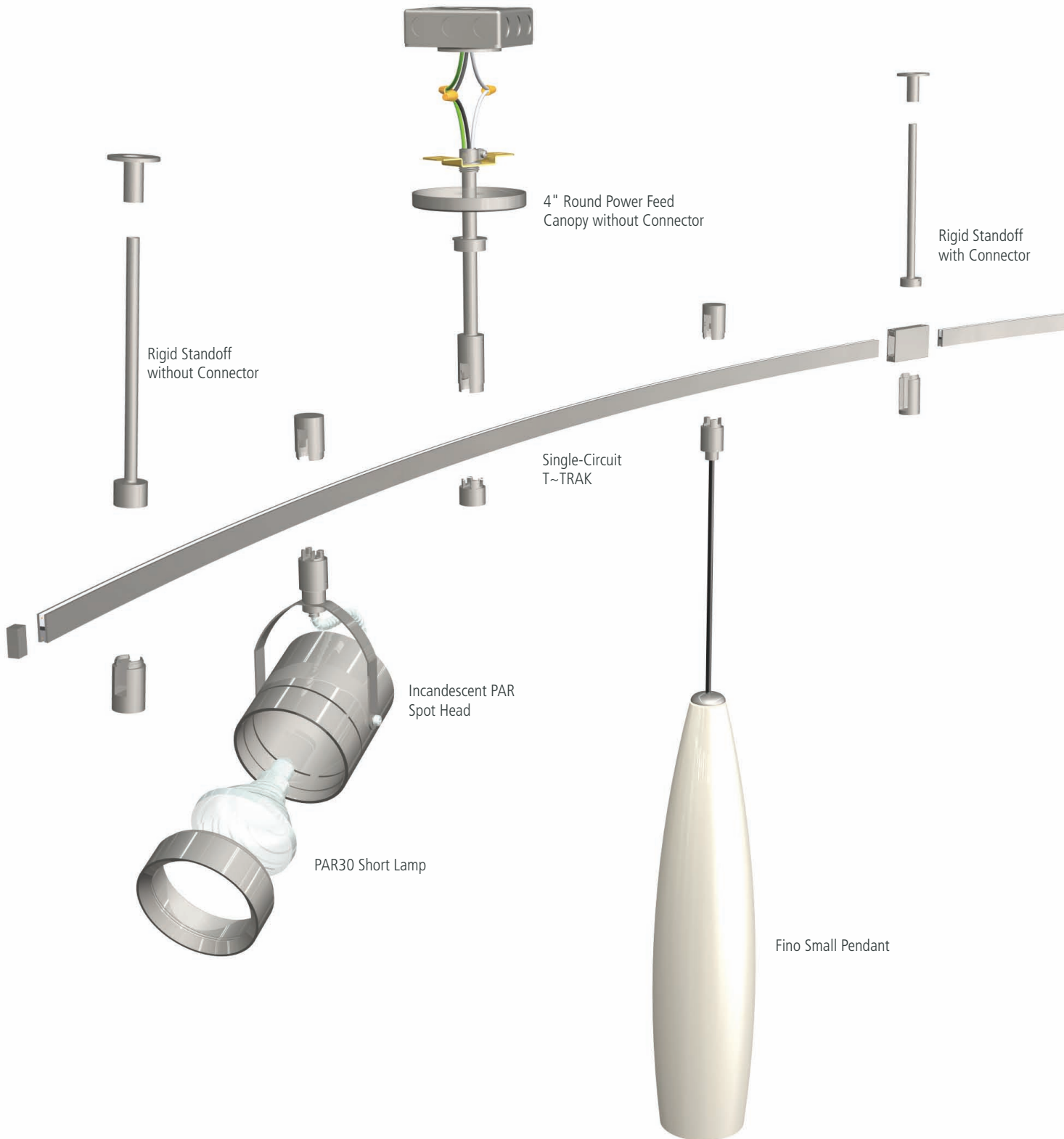
Add rigid standoffs with connector to join sections of T~TRAK end to end while supporting the system (p. 129). Order one for each connection point between track sections. Select the appropriate length to match the specified drop for the system.



Add rigid standoffs without connector to support the system (p. 129). Order one for the center of each 8' track section plus two for the ends of the run. This ensures support for T~TRAK every four feet. For especially curvy runs, order additional standoffs without connector to support peaks of curves and heavy heads and pendants, as required. Select the appropriate length to match the specified drop for the system.

Note: Standoffs and power feed canopies are field-cuttable, so it's easy to achieve a custom drop length.

For additional T~TRAK system options, such as using adjustable standoffs or mounting to a vaulted ceiling, see Special Installations on pp. 132-133.





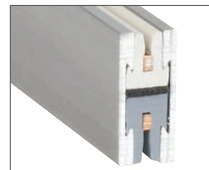
SATIN NICKEL



WHITE

T~TRAK™

A hand-bendable, field-cutttable line-voltage track system. Single-Circuit T~TRAK is a track system rated for 20 amps and bends horizontally to a radius as small as 36". Two-Circuit T~TRAK is a two-circuit track system with each circuit having its own dedicated neutral for two separately switchable 20 amp circuits and bends horizontally to a radius as small as 60". Each section of track is shipped with two end caps to cover the open ends of the track. Order additional end caps (p. 129) if cutting and separating track sections.



SINGLE-CIRCUIT
7/8" HEIGHT X 3/8" WIDTH



TWO-CIRCUIT
7/8" HEIGHT X 1/2" WIDTH

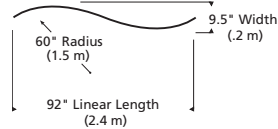
	SYSTEM	LENGTH	FINISH
700	TTA SINGLE-CIRCUIT T~TRAK	48 48"	S SATIN NICKEL
	TT2A TWO-CIRCUIT T~TRAK	96 96"	W WHITE

PRE-BENT T~TRAK

T~TRAK bends very easily by hand to almost any imaginable shape, but we also offer the following pre-bent track options to make the most common bends perfectly shaped and even easier to install. For a factory bend not shown below, please call for a custom quotation.

PRE-BENT S-CURVE T~TRAK

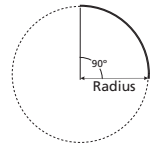
T~TRAK pre-bent into a horizontal S curve. Consult the drawing for approximate dimensions.



	SYSTEM	FINISH
700	TT SINGLE-CIRCUIT T~TRAK	BHSC60 S SATIN NICKEL
	TT2 TWO-CIRCUIT T~TRAK	W WHITE

PRE-BENT 90° CURVE T~TRAK

Horizontal 90° curves are sold by radius, or the distance from the center of a circle to the outside edge. Join four 90° curves to create a circle with a diameter (overall width) equal to twice the specified radius.



	SYSTEM	RADIUS	FINISH
700	TT SINGLE-CIRCUIT T~TRAK	BH90 36 36" RADIUS*	S SATIN NICKEL
	TT2 TWO-CIRCUIT T~TRAK	48 48" RADIUS*	W WHITE

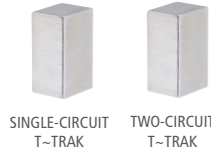
* Single-circuit T~TRAK only

CONNECTORS

END CAP

All sections of track are shipped with the required end cap on each end of the track. Order separately for each open end of the track if cutting and separating track sections.

SYSTEM	FINISH	
700 TT SINGLE-CIRCUIT T-TRAK	CCAP	S SATIN NICKEL W WHITE
TT2 TWO-CIRCUIT T-TRAK		



FLEXIBLE CONNECTOR

This connector joins sections of track together end to end at desired sharp horizontal angle (90° to 270°). Order two additional rigid standoffs without connector (below) to support track near corner.

SYSTEM	TYPE	FINISH
700 TT SINGLE-CIRCUIT T-TRAK	CFXH	CONDUCTIVE S SATIN NICKEL I ISOLATING W WHITE
TT2 TWO-CIRCUIT T-TRAK		



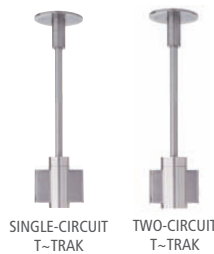
STANDOFFS

TIP: Use standoff supports every four feet of a T-TRAK™ run. For best appearance, place the last standoff 4-6" from the end of the run, and place standoffs symmetrically, alternating between standoffs with connector where track sections join together and standoffs without connector in the center of each 8' track section.

RIGID STANDOFF WITH CONNECTOR

The field-cuttable rigid standoff with connector is used to join sections of track together end to end while supporting the system. Order one for each connection point between track sections. Use conductive type to continue power through connection. Use isolating type to isolate multiple circuits on one continuous run. Select the appropriate length to match the specified drop for the system.

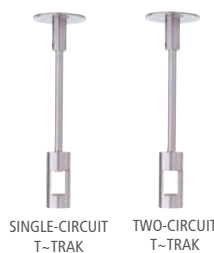
SYSTEM	TYPE	LENGTH	FINISH
700 TT SINGLE-CIRCUIT T-TRAK	S CC CONDUCTIVE	02 2"	S SATIN NICKEL
	IC ISOLATING	06 6"	W WHITE
TT2 TWO-CIRCUIT T-TRAK		12 12"	
		24 24"	
		36 36"	
		48 48"	
		96 96"	



RIGID STANDOFF WITHOUT CONNECTOR

The field-cuttable rigid standoff without connector is used in the center of each 8' track section and at each end of the run. For especially curvy runs, order additional standoffs without connector to support peaks of curves and heavy elements, as required. Select the appropriate length to match the specified drop for the system.

SYSTEM	LENGTH	FINISH
700 TT SINGLE-CIRCUIT T-TRAK	S 02 2"	S SATIN NICKEL
	W 06 6"	W WHITE
TT2 TWO-CIRCUIT T-TRAK	12 12"	
	24 24"	
	36 36"	
	48 48"	
	96 96"	



USING A POWER FEED CANOPY

Standard power feed canopies mount to a ceiling junction box with round plaster ring located directly above the track. Select the appropriate length to match the specified drop for the system. Lengths longer than 2" are field-cuttable.

For projects designed to meet energy efficiency standards determine the maximum amperage required on the circuit and specify the correct current limiter.

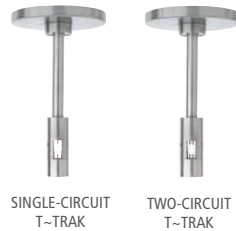


CURRENT LIMITER

4" ROUND POWER FEED CANOPY WITHOUT CONNECTOR

Mounts to a standard 4" ceiling junction box with round plaster ring (provided by electrician). Use to power system from any point along track section.

SYSTEM	LENGTH	FINISH	CURRENT LIMITER
700 TT SINGLE-CIRCUIT T~TRAK	P4C 02 2"	S SATIN NICKEL	WITHOUT
	06 6"	W WHITE	-2 2.5 AMP
TT2 TWO-CIRCUIT T~TRAK	12 12"		-4 4 AMP
	24 24"		-6 6 AMP
	36 36"		-8 8 AMP
	48 48"		-10 10 AMP
	96 96"		-12 12 AMP
			-14 14 AMP
			-16 16 AMP
		-18 18 AMP	



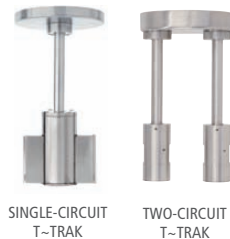
SINGLE-CIRCUIT T~TRAK TWO-CIRCUIT T~TRAK



4" ROUND POWER FEED CANOPY WITH CONNECTOR

Mounts to a standard 4" ceiling junction box with round plaster ring (provided by electrician). Use to power system while joining sections of track together end to end.

SYSTEM	LENGTH	FINISH	CURRENT LIMITER
700 TT SINGLE-CIRCUIT T~TRAK	P4CCC 02 2"	S SATIN NICKEL	WITHOUT
	06 6"	W WHITE	-2 2.5 AMP
TT2 TWO-CIRCUIT T~TRAK	12 12"		-4 4 AMP
	24 24"		-6 6 AMP
	36 36"		-8 8 AMP
	48 48"		-10 10 AMP
	96 96"		-12 12 AMP
			-14 14 AMP
			-16 16 AMP
		-18 18 AMP	



SINGLE-CIRCUIT T~TRAK TWO-CIRCUIT T~TRAK



USING A X/T/L POWER FEED CANOPY

"X", "T", and "L" power feed canopies mount to a ceiling junction box located directly above the Single-Circuit T~TRAK run and join sections of track together into an "X", "T", or "L" configuration. Select the appropriate length to match the specified drop for the system. Lengths longer than 2" are field-cuttable.

For projects designed to meet energy efficiency standards determine the maximum amperage required on the circuit and specify the correct current limiter.



CURRENT LIMITER

4" ROUND POWER FEED CANOPY WITH X/T/L CONNECTOR

Mounts to a standard 4" ceiling junction box with round plaster ring (provided by electrician).

SYSTEM	TYPE	LENGTH	FINISH	CURRENT LIMITER	
700 TT SINGLE-CIRCUIT T~TRAK (ONLY)	P4C	X X CONNECTOR	02 2"	S SATIN NICKEL	WITHOUT
		T T CONNECTOR	06 6"	W WHITE	-2 2.5 AMP
		L L CONNECTOR	12 12"		-4 4 AMP
			24 24"		-6 6 AMP
			36 36"		-8 8 AMP
			48 48"		-10 10 AMP
			96 96"		-12 12 AMP
			-14 14 AMP		
			-16 16 AMP		
			-18 18 AMP		



USING A FLEXIBLE POWER FEED WITH CANOPY

Flexible power feeds with canopy bring power from a ceiling or wall mounted junction box to the track when the junction box is not located directly above or at the end of the track. Each includes 12' of field-cutttable flexible conduit. Available in two styles: center feed can be used to power the track anywhere within the run; end feed powers the track from the end of the run.

For projects designed to meet energy efficiency standards determine the maximum amperage required on the circuit and specify the correct current limiter.



CURRENT LIMITER

FLEXIBLE POWER FEED WITH 4" ROUND CANOPY

Mounts to a standard 4" junction box with round plaster ring (provided by electrician).

SYSTEM	TYPE	LENGTH	FINISH	CURRENT LIMITER
700 TT SINGLE-CIRCUIT T-TRAK	CEN CENTER FEED	02 2"	S SATIN NICKEL	WITHOUT
	END END FEED	06 6"	W WHITE	-2 2.5 AMP
TT2 TWO-CIRCUIT T-TRAK		12 12"		-4 4 AMP
		24 24"		-6 6 AMP
		36 36"		-8 8 AMP
		48 48"		-10 10 AMP
		96 96"		-12 12 AMP
				-14 14 AMP
			-16 16 AMP	
			-18 18 AMP	



CENTER FEED



END FEED



USING A DIRECT-END POWER FEED WITH CANOPY

Direct-end power feed canopies mount to a wall junction box perpendicular to the end of the run.

4" ROUND DIRECT-END POWER FEED CANOPY

Mounts to a standard 4" wall junction box with round plaster ring (provided by electrician).

SYSTEM	FINISH
700 TT SINGLE-CIRCUIT T-TRAK	P4CD S SATIN NICKEL
TT2 TWO-CIRCUIT T-TRAK	W WHITE



SINGLE-CIRCUIT T-TRAK



TWO-CIRCUIT T-TRAK



INSTALLING T~TRAK TO A VAULTED CEILING

To install a T~TRAK system to a vaulted ceiling, add a power vault adapter to each power feed canopy, and add a standoff vault adapter to each standoff (with and without connector).

POWER VAULT ADAPTER

Installs to any standard power feed canopy or Single-Circuit T~TRAK X/T/L power feed canopy (sold separately) and adjusts to any angle to position track parallel to the floor.



SINGLE-CIRCUIT T~TRAK TWO-CIRCUIT T~TRAK



SYSTEM		FINISH	
700	TT SINGLE-CIRCUIT T~TRAK	PVLT	S SATIN NICKEL W WHITE
	TT2 TWO-CIRCUIT T~TRAK		

STANDOFF VAULT ADAPTER

Installs between the rigid or adjustable standoff (with and without connector) (sold separately) and the ceiling to position track parallel to the floor.



SINGLE-CIRCUIT T~TRAK TWO-CIRCUIT T~TRAK



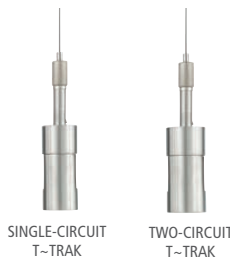
SYSTEM		FINISH	
700	TT SINGLE-CIRCUIT T~TRAK	SVLT	S SATIN NICKEL W WHITE
	TT2 TWO-CIRCUIT T~TRAK		

USING ADJUSTABLE STANDOFFS

To ease T~TRAK installation in spaces with high and/or uneven ceiling surfaces, use adjustable standoffs to easily adjust height and level of the system. Adjustable standoffs are not recommended on curvy runs or on runs with heavy heads, such as die cast ceramic metal halide heads.

ADJUSTABLE STANDOFF WITHOUT CONNECTOR

The adjustable standoff without connector is used in the center of a track section or at the end of a run. A wire grip allows you to easily shorten or lengthen the cable to size it for use.



SINGLE-CIRCUIT T~TRAK TWO-CIRCUIT T~TRAK



SYSTEM		LENGTH		FINISH	
700	TT SINGLE-CIRCUIT T~TRAK	SADJ	12' OF CABLE	S	SATIN NICKEL
	TT2 TWO-CIRCUIT T~TRAK		3 30' OF CABLE	W	WHITE

ADJUSTABLE STANDOFF WITH CONNECTOR

The adjustable standoff with connector is used to join sections of track together end to end while supporting the system. A wire grip allows you to easily shorten or lengthen the cable to size it for use. Use conductive type to continue power through connection. Use isolating type to isolate multiple circuits on one continuous run.



SINGLE-CIRCUIT T~TRAK TWO-CIRCUIT T~TRAK



SYSTEM		LENGTH		FINISH			
700	TT SINGLE-CIRCUIT T~TRAK	S	CC CONDUCTIVE	ADJ	12' OF CABLE	S	SATIN NICKEL
	TT2 TWO-CIRCUIT T~TRAK		IC ISOLATING		3 30' OF CABLE	W	WHITE

USING X/T/L STANDOFFS

To join sections of Single-Circuit T~TRAK together into an "X", "T", or "L" configuration, use the field-cuttable rigid standoff with conductive "X", "T", or "L" connector.

RIGID STANDOFF WITH X/T/L CONNECTOR

Select the appropriate length to match the specified drop for the system. Conductive only.

SYSTEM	TYPE	LENGTH	FINISH
700 TT SINGLE-CIRCUIT T-TRAK (ONLY)	X X CONNECTOR	02 2"	S SATIN NICKEL
	T T CONNECTOR	06 6"	W WHITE
	L L CONNECTOR	12 12"	
		24 24"	
		36 36"	
		48 48"	
		96 96"	



INSTALLING T~TRAK TO A T-BAR DROP CEILING

To install a T~TRAK system to a T-bar drop ceiling, add a T-bar connector to every standoff (with and without connector, sold separately). The T-bar clip twists into the slat. (Use only if local electrical codes allow).

T-BAR CONNECTOR

Specify 15/16" or 9/16" slat.

SYSTEM	SLAT	FINISH
700 TT SINGLE-CIRCUIT T-TRAK	C 15/16"	S SATIN NICKEL
	9C 9/16"	W WHITE
TT2 TWO-CIRCUIT T-TRAK		



INSTALLING T~TRAK™ TO CANTILEVER FROM A WALL

Use support outside rigger to support a T~TRAK system 36" off of wall. Field-cuttable.

SUPPORT OUTSIDE RIGGER WITHOUT CONNECTOR

Extends from the wall to support track. Use every four feet of run to support system in the center of a track or at the end of a run.

	SYSTEM		FINISH
700	TT SINGLE-CIRCUIT T~TRAK	SORG	S SATIN NICKEL W WHITE
	TT2 TWO-CIRCUIT T~TRAK		



SUPPORT OUTSIDE RIGGER WITH CONNECTOR

Extends from the wall to support track. Use every four feet of run to support system while joining sections of track together end to end.

	SYSTEM		LENGTH	FINISH
700	TT SINGLE-CIRCUIT T~TRAK	SORG	CC CONDUCTIVE IC ISOLATING	S SATIN NICKEL W WHITE
	TT2 TWO-CIRCUIT T~TRAK			



INSTALLING T~TRAK™ TO CANTILEVER FROM A WALL

Use power outside rigger to support and power a T~TRAK system 36" off of wall. Field-cuttable. For use on Single-Circuit T~TRAK system only. To power a cantilevered Two-Circuit T~TRAK run see power feed options (pp. 130-131).

POWER OUTSIDE RIGGER WITH CONNECTOR

Extends from the wall to support and power feed track. Includes 4" round canopy. Use to power system while joining sections of track together end to end.

	SYSTEM		FINISH
700	TT SINGLE-CIRCUIT T~TRAK (ONLY)	PORGCC	S SATIN NICKEL W WHITE





Two-Circuit T-TRAK Satin Nickel / Flexible Power Feed with 4" Round Canopy / Support Outside Riggers with Connector / Om with CMH PAR Heads / PAR30 Lamps

LOCATION: LAWRENCE UNIVERSITY, APPLETON WISCONSIN
LIGHTING DESIGNER: CLD-E
PHOTOGRAPHER: GARRETT MAAS (CLD-E)



Power Jack Canopy Satin Nickel / Sportster with Incandescent PAR Head / PAR16 GU10 Lamp

LOCATION: FUSE RESTAURANT - CHICAGO, IL
DESIGNER: WARREN ARCHITECTS, LTD
PHOTOGRAPHER: © MARK BALLOGG - CHICAGO, IL



POWER JACK

Power Jack is an easy-to-use line-voltage monopoint system, available in satin nickel and white finishes. Simply choose your Power Jack canopy and mount it to a junction box. Then choose a compatible architectural head.

Our line-voltage heads offer a broad selection of lamp options to suit a full range of applications.

POWER JACK CANOPY

Mounts to a standard 4" junction box with round plaster ring (provided by electrician). One Power Jack port; for ceiling mount only. For use with Power Jack heads below (sold separately).

FINISH

- 700PJCINC B** BLACK
- S** SATIN NICKEL
- W** WHITE



POWER JACK CANOPY SHOWN WITH SPORTSTER HEAD

COMPATIBLE INCANDESCENT HEADS (CANOPY SOLD SEPARATELY, ABOVE)

All of the line-voltage heads shown on these pages are available for Power Jack. Refer to the indicated pages for specifications and ordering codes.



PAR16

Aero*
Incandescent PAR
p. 92



PAR30 SHORT
PAR30 LONG

Breeze
Incandescent PAR
p. 84



LED

Envision
LED
p. 64



T3

Gamma
Double End Halogen
p. 76



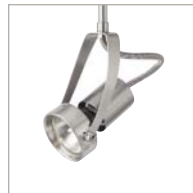
PAR16
PAR20
PAR30 LONG
PAR30 SHORT

Om
Incandescent PAR
p. 66



PAR16

Pod
Incandescent PAR
p. 93



PAR16
PAR20
PAR30
PAR38

Sportster
Incandescent PAR
p. 80



PAR20
PAR30 SHORT

Spot
Incandescent PAR
p. 72



PAR16
PAR20
PAR30
PAR38

Tweak
Incandescent PAR
p. 88

* Shown accessorized.
Accessories sold separately.

POWER JACK CANOPY WITH CMH BALLAST

Mounts to a standard 4" junction box with round plaster ring (provided by electrician). One Power Jack port; for ceiling mount only. For use with Power Jack heads below (sold separately). Specify canopy wattage to match head wattage; 20, 39 or 70.

	WATTAGE	FINISH
700PJCCMH	20 20 WATTS	B BLACK
	39 39 WATTS	S SATIN NICKEL
	70 70 WATTS	W WHITE



POWER JACK CANOPY WITH CERAMIC METAL HALIDE BALLAST SHOWN WITH TWEAK HEAD

COMPATIBLE CMH HEADS (CANOPY SOLD SEPARATELY, ABOVE)

All of the line-voltage heads shown on these pages are available for Power Jack. Refer to the indicated pages for specifications and ordering codes.



Breeze
CMH PAR
p. 85



Breeze
CMH T4
p. 86



Gamma
CMH T4
p. 78



Om
CMH MR16/PAR
p. 69



Om
CMH T4
p. 70



Sportster
CMH MR16/PAR
p. 82



Spot
CMH PAR
p. 74



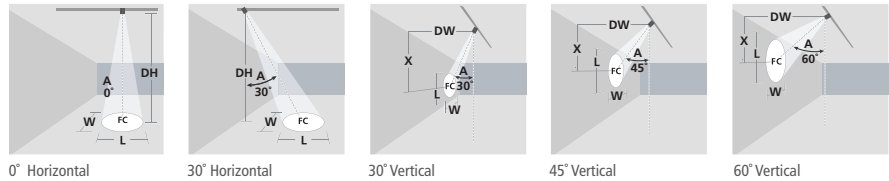
Tweak
CMH MR16/PAR
p. 89



Single-Circuit T--TRAK Satin Nickel / 4" Round Power Feed Canopy without Connector / 2" Rigid Standoffs with Connector / 2" Rigid Standoffs without Connector / Flexible Connectors / Sportster with Incandescent PAR Heads / PAR16 Lamps

LOCATION: COURTYARD FAIRFAX FAIR OAKS - FAIRFAX, VA
PHOTOGRAPHER: BURNETT STUDIOS - JIM BURNETT JR.

- A** Aiming angle of fixture, measured from 0°
- DH** Vertical distance from fixture to horizontal surface
- DW** Distance from fixture to wall
- FC** Footcandles at beam center
- X** Vertical distance from beam center to ceiling
- L** Length of beam
- W** Width of beam
- CBCP** Centerbeam Candlepower



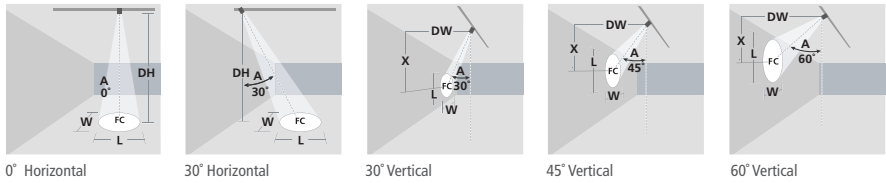
Fixture Usage	Lamp Type/ Part Number	Beam Spread	CBCP	Horizontal Surfaces						Vertical Surfaces													
				0°		30°			30°			45°				60°							
				DH	FC	L	W	FC	L	W	DW	FC	X	L	W	FC	X	L	W	FC	X	L	W

CMH T4.5 Lamps

Breeze Om 	CMH T4.5 20w 300BHV401		10106	10	101	2.6	2.6	66	3.5	3.0	4	79	6.9	4.4	2.1	223	4.0	2.1	1.5	410	2.3	1.4	1.2
				12	70	3.2	3.2	46	4.2	3.7	6	35	10.4	6.7	3.2	99	6.0	3.2	2.2	182	3.5	2.1	1.8
				14	52	3.7	3.7	33	4.9	4.3	8	20	13.9	8.9	4.2	56	8.0	4.3	3.0	103	4.6	2.8	2.4
				16	39	4.2	4.2	26	5.6	4.8	10	13	17.3	11.1	5.3	36	10.0	5.4	3.7	66	5.8	3.5	3.0
				18	31	4.7	4.7	20	6.4	5.4	12	9	20.8	13.3	6.3	25	12.0	6.4	4.5	46	6.9	4.2	3.6
			3331	10	33	5.4	5.4	22	7.3	6.2	4	26	6.9	10.9	4.3	74	4.0	4.6	3.0	135	2.3	2.9	2.5
				12	23	6.4	6.4	15	8.8	7.4	6	12	10.4	16.4	6.4	33	6.0	6.9	4.5	60	3.5	4.4	3.7
				14	17	7.5	7.5	11	10.2	8.7	8	7	13.9	21.9	8.6	18	8.0	9.2	6.1	34	4.6	5.9	5.0
				16	13	8.6	8.6	8	11.7	9.9	10	4	17.3	27.3	10.7	12	10.0	11.5	7.6	22	5.8	7.3	6.2
				18	10	9.6	9.6	7	13.2	11.1	12	3	20.8	32.8	12.9	8	12.0	13.9	9.1	15	6.9	8.8	7.4
			1420	10	14	8.3	8.3	18	11.7	9.6	4	11	6.9	27.3	6.6	31	4.0	8.0	4.7	58	2.3	4.7	3.8
				12	10	9.9	9.9	13	14.1	11.5	6	5	10.4	41.0	9.9	14	6.0	12.0	7.0	26	3.5	7.0	5.7
				14	7	11.6	11.6	9	16.4	13.4	8	3	13.9	54.6	13.3	8	8.0	16.0	9.4	14	4.6	9.4	7.7
				16	6	13.3	13.3	7	18.7	15.3	10	2	17.3	68.3	16.6	5	10.0	20.0	11.7	9	5.8	11.7	9.6
				18	4	14.9	14.9	6	21.1	17.2	12	1	20.8	81.9	19.9	3	12.0	24.0	14.1	6	6.9	14.1	11.5
			614	10	6	11.5	11.5	4	17.3	13.3	4	5	6.9	*	9.2	14	4.0	13.9	6.5	25	2.3	6.9	5.3
				12	4	13.9	13.9	3	20.8	16.1	6	2	10.4	*	13.9	6	6.0	20.8	9.8	11	3.5	10.4	8.0
				14	3	16.2	16.2	2	24.2	18.7	8	1	13.9	*	18.5	3	8.0	27.7	13.1	6	4.6	13.9	10.7
				16	2	18.5	18.5	2	27.7	21.4	10	1	17.3	*	23.1	2	10.0	34.6	16.3	4	5.8	17.3	13.3
				18	2	20.8	20.8	1	31.2	24.0	12	1	20.8	*	27.7	2	12.0	41.6	19.6	3	6.9	20.8	16.0
Breeze Om 	CMH T4.5 39w 300BHV402		20212	10	202	2.6	2.6	131	3.5	3.0	4	158	6.9	4.4	2.1	447	4.0	2.1	1.5	821	2.3	1.4	1.2
				12	140	3.2	3.2	91	4.2	3.7	6	70	10.4	6.7	3.2	199	6.0	3.2	2.2	365	3.5	2.1	1.8
				14	103	3.7	3.7	67	4.9	4.3	8	39	13.9	8.9	4.2	112	8.0	4.3	3.0	205	4.6	2.8	2.4
				16	79	4.2	4.2	51	5.6	4.8	10	25	17.3	11.1	5.3	71	10.0	5.4	3.7	131	5.8	3.5	3.0
				18	62	4.7	4.7	41	6.4	5.4	12	18	20.8	13.3	6.3	50	12.0	6.4	4.5	91	6.9	4.2	3.6
			6662	10	67	5.4	5.4	43	7.3	6.2	4	52	6.9	10.9	4.3	147	4.0	4.6	3.0	270	2.3	2.9	2.5
				12	46	6.4	6.4	30	8.8	7.4	6	23	10.4	16.4	6.4	65	6.0	6.9	4.5	120	3.5	4.4	3.7
				14	34	7.5	7.5	22	10.2	8.7	8	13	13.9	21.9	8.6	37	8.0	9.2	6.1	68	4.6	5.9	5.0
				16	26	8.6	8.6	17	11.7	9.9	10	8	17.3	27.3	10.7	24	10.0	11.5	7.6	43	5.8	7.3	6.2
				18	21	9.6	9.6	13	13.2	11.1	12	6	20.8	32.8	12.9	16	12.0	13.9	9.1	30	6.9	8.8	7.4
			2840	10	28	8.3	8.3	18	11.7	9.6	4	22	6.9	27.3	6.6	63	4.0	8.0	4.7	115	2.3	4.7	3.8
				12	20	9.9	9.9	13	14.1	11.5	6	10	10.4	41.0	9.9	28	6.0	12.0	7.0	51	3.5	7.0	5.7
				14	14	11.6	11.6	9	16.4	13.4	8	6	13.9	54.6	13.3	16	8.0	16.0	9.4	29	4.6	9.4	7.7
				16	11	13.3	13.3	7	18.7	15.3	10	4	17.3	68.3	16.6	10	10.0	20.0	11.7	18	5.8	11.7	9.6
				18	9	14.9	14.9	6	21.1	17.2	12	2	20.8	81.9	19.9	7	12.0	24.0	14.1	13	6.9	14.1	11.5
			1228	10	12	11.5	11.5	8	17.3	13.3	4	10	6.9	*	9.2	27	4.0	13.9	6.5	50	2.3	6.9	5.3
				12	9	13.9	13.9	6	20.8	16.1	6	4	10.4	*	13.9	12	6.0	20.8	9.8	22	3.5	10.4	8.0
				14	6	16.2	16.2	4	24.2	18.7	8	2	13.9	*	18.5	7	8.0	27.7	13.1	12	4.6	13.9	10.7
				16	5	18.5	18.5	3	27.7	21.4	10	2	17.3	*	23.1	4	10.0	34.6	16.3	8	5.8	17.3	13.3
				18	4	20.8	20.8	2	31.2	24.0	12	1	20.8	*	27.7	3	12.0	41.6	19.6	6	6.9	20.8	16.0


*Steep aiming angle, length of beam extends beyond 25'

- A** Aiming angle of fixture, measured from 0°
- DH** Vertical distance from fixture to horizontal surface
- DW** Distance from fixture to wall
- FC** Footcandles at beam center
- X** Vertical distance from beam center to ceiling
- L** Length of beam
- W** Width of beam
- CBCP** Centerbeam Candlepower






Fixture Usage	Lamp Type/ Part Number	Beam Spread	CBCP	Horizontal Surfaces									Vertical Surfaces											
				0°			30°			30°			45°				60°							
				DH	FC	L	W	FC	L	W	DW	FC	X	L	W	FC	X	L	W	FC	X	L	W	

CMH T4.5 Lamps *continued*

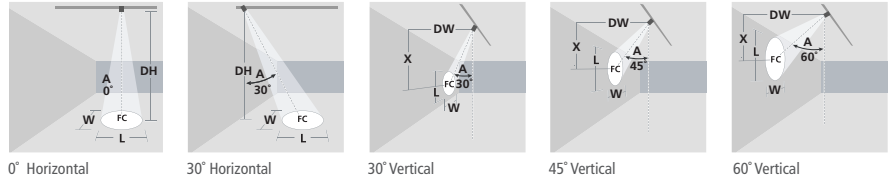
Breeze Om 	15°	36866	10	369	2.6	2.6	239	3.5	3.0	4	288	6.9	4.4	2.1	815	4.0	2.1	1.5	1497	2.3	1.4	1.2
			12	256	3.2	3.2	166	4.2	3.7	6	128	10.4	6.7	3.2	362	6.0	3.2	2.2	665	3.5	2.1	1.8
			14	188	3.7	3.7	122	4.9	4.3	8	72	13.9	8.9	4.2	204	8.0	4.3	3.0	374	4.6	2.8	2.4
			16	144	4.2	4.2	94	5.6	4.8	10	46	17.3	11.1	5.3	130	10.0	5.4	3.7	239	5.8	3.5	3.0
			18	114	4.7	4.7	74	6.4	5.4	12	32	20.8	13.3	6.3	91	12.0	6.4	4.5	166	6.9	4.2	3.6
	30°	12151	10	122	5.4	5.4	79	7.3	6.2	4	95	6.9	10.9	4.3	269	4.0	4.6	3.0	493	2.3	2.9	2.5
			12	84	6.4	6.4	55	8.8	7.4	6	42	10.4	16.4	6.4	119	6.0	6.9	4.5	219	3.5	4.4	3.7
			14	62	7.5	7.5	40	10.2	8.7	8	24	13.9	21.9	8.6	67	8.0	9.2	6.1	123	4.6	5.9	5.0
			16	47	8.6	8.6	31	11.7	9.9	10	15	17.3	27.3	10.7	43	10.0	11.5	7.6	79	5.8	7.3	6.2
			18	38	9.6	9.6	24	13.2	11.1	12	11	20.8	32.8	12.9	30	12.0	13.9	9.1	55	6.9	8.8	7.4
	45°	5179	10	14	8.3	8.3	9	11.7	9.6	4	40	6.9	27.3	6.6	114	4.0	8.0	4.7	210	2.3	4.7	3.8
			12	10	9.9	9.9	6	14.1	11.5	6	18	10.4	41.0	9.9	51	6.0	12.0	7.0	93	3.5	7.0	5.7
			14	7	11.6	11.6	5	16.4	13.4	8	10	13.9	54.6	13.3	29	8.0	16.0	9.4	53	4.6	9.4	7.7
			16	6	13.3	13.3	4	18.7	15.3	10	6	17.3	68.3	16.6	18	10.0	20.0	11.7	34	5.8	11.7	9.6
			18	4	14.9	14.9	3	21.1	17.2	12	4	20.8	81.9	19.9	13	12.0	24.0	14.1	23	6.9	14.1	11.5
	60°	2240	10	22	11.5	11.5	15	17.3	13.3	4	18	6.9	*	9.2	49	4.0	13.9	6.5	91	2.3	6.9	5.3
			12	16	13.9	13.9	10	20.8	16.1	6	8	10.4	*	13.9	22	6.0	20.8	9.8	40	3.5	10.4	8.0
			14	11	16.2	16.2	7	24.2	18.7	8	4	13.9	*	18.5	12	8.0	27.7	13.1	23	4.6	13.9	10.7
			16	9	18.5	18.5	6	27.7	21.4	10	3	17.3	*	23.1	8	10.0	34.6	16.3	15	5.8	17.3	13.3
			18	7	20.8	20.8	4	31.2	24.0	12	2	20.8	*	27.7	5	12.0	41.6	19.6	10	6.9	20.8	16.0

CMH PAR Lamps

Om 	12°	9000	8	140.6	1.7	1.7	91.3	2.3	1.9	4	70.3	6.9	3.5	1.7	196.9	4.0	1.7	1.2	365.4	2.3	1.1	1.0	
			10	90.0	2.1	2.1	58.5	2.8	2.4	6	31.3	10.4	5.2	2.5	88.4	6.0	2.6	1.8	162.4	3.5	1.7	1.5	
			12	62.5	2.5	2.5	40.6	3.4	2.9	8	17.6	13.9	7.0	3.4	49.7	8.0	3.4	2.4	91.3	4.6	2.3	1.9	
			14	45.9	2.9	2.9	29.8	3.9	3.4	10	11.3	17.3	8.7	4.2	31.8	10.0	4.3	3.0	58.5	5.8	2.8	2.4	
			16	35.2	3.4	3.4	22.8	4.5	3.9	12	7.8	20.8	10.4	5.0	22.1	12.0	5.1	3.6	40.6	6.9	3.4	2.9	
	25°	2900	8	45.3	3.5	3.5	29.4	4.8	4.1	4	22.7	6.9	8.3	3.5	64.1	4.0	3.7	2.5	117.7	2.3	2.4	2.0	
			10	29.0	4.4	4.4	18.8	6.0	5.1	6	10.1	10.4	12.5	5.3	28.5	6.0	5.6	3.8	52.3	3.5	3.6	3.1	
			12	20.1	5.3	5.3	13.1	7.2	6.1	8	5.7	13.9	16.6	7.1	16.0	8.0	7.5	5.0	29.4	4.6	4.8	4.1	
			14	14.8	6.2	6.2	9.6	8.4	7.2	10	3.6	17.3	20.8	8.9	10.3	10.0	9.3	6.3	18.8	5.8	6.0	5.1	
			16	11.3	7.1	7.1	7.4	9.6	8.2	12	2.5	20.8	25.0	10.6	7.1	12.0	11.2	7.5	13.1	6.9	7.2	6.1	
	40°	1500	8	23.4	5.8	5.8	15.2	8.1	6.7	4	11.7	6.9	19.3	5.8	33.1	4.0	6.7	4.1	60.9	2.3	4.1	3.4	
			10	15.0	7.3	7.3	9.7	10.2	8.4	6	5.2	10.4	29.0	8.7	14.7	6.0	10.1	6.2	27.1	3.5	6.1	5.0	
			12	10.4	8.7	8.7	6.8	12.2	10.1	8	2.9	13.9	38.7	11.6	8.3	8.0	13.4	8.2	15.2	4.6	8.1	6.7	
			14	7.7	10.2	10.2	5.0	14.2	11.8	10	1.9	17.3	48.3	14.6	5.3	10.0	16.8	10.3	9.7	5.8	10.2	8.4	
			16	5.9	11.6	11.6	3.8	16.2	13.4	12	1.3	20.8	58.0	17.5	3.7	12.0	20.1	12.4	6.8	6.9	12.2	10.1	
	Om Sportster Spot 	10°	22000	10	220	1.7	1.7	143	2.3	2.0	4	172	6.9	2.9	1.4	486	4.0	1.4	1.0	893	2.3	0.9	0.8
				12	153	2.1	2.1	99	2.8	2.4	6	76	10.4	4.3	2.1	216	6.0	2.1	1.5	397	3.5	1.4	1.2
				14	112	2.4	2.4	73	3.3	2.8	8	43	13.9	5.7	2.8	122	8.0	2.8	2.0	223	4.6	1.9	1.6
				16	86	2.8	2.8	56	3.7	3.2	10	28	17.3	7.2	3.5	78	10.0	3.5	2.5	143	5.8	2.3	2.0
				18	68	3.1	3.1	44	4.2	3.6	12	19	20.8	8.6	4.2	54	12.0	4.2	3.0	99	6.9	2.8	2.4
25°		7500	10	75	4.4	4.4	49	6.0	5.1	4	59	6.9	8.3	3.5	166	4.0	3.7	2.5	304	2.3	2.4	2.0	
			12	52	5.3	5.3	34	7.2	6.1	6	26	10.4	12.5	5.3	74	6.0	5.6	3.8	135	3.5	3.6	3.1	
			14	38	6.2	6.2	25	8.4	7.2	8	15	13.9	16.6	7.1	41	8.0	7.5	5.0	76	4.6	4.8	4.1	
			16	29	7.1	7.1	19	9.6	8.2	10	9	17.3	20.8	8.9	27	10.0	9.3	6.3	49	5.8	6.0	5.1	
			18	23	8.0	8.0	15	10.8	9.2	12	7	20.8	25.0	10.6	18	12.0	11.2	7.5	34	6.9	7.2	6.1	
Breeze Om Soma Sportster Tweak 	10°	39600	10	396	1.7	1.7	257	2.3	2.0	4	309	6.9	2.9	1.4	875	4.0	1.4	1.0	1608	2.3	0.9	0.8	
			12	275	2.1	2.1	179	2.8	2.4	6	138	10.4	4.3	2.1	389	6.0	2.1	1.5	714	3.5	1.4	1.2	
			14	202	2.4	2.4	131	3.3	2.8	8	77	13.9	5.7	2.8	219	8.0	2.8	2.0	402	4.6	1.9	1.6	
			16	155	2.8	2.8	100	3.7	3.2	10	50	17.3	7.2	3.5	140	10.0	3.5	2.5	257	5.8	2.3	2.0	
			18	122	3.1	3.1	79	4.2	3.6	12	34	20.8	8.6	4.2	97	12.0	4.2	3.0	179	6.9	2.8	2.4	

*Steep aiming angle, length of beam extends beyond 25'

- A** Aiming angle of fixture, measured from 0°
- DH** Vertical distance from fixture to horizontal surface
- DW** Distance from fixture to wall
- FC** Footcandles at beam center
- X** Vertical distance from beam center to ceiling
- L** Length of beam
- W** Width of beam
- CBCP** Centerbeam Candlepower



Fixture Usage	Lamp Type/ Part Number	Beam Spread	CBCP	Horizontal Surfaces									Vertical Surfaces											
				0°			30°			30°			45°			60°								
				DH	FC	L W	FC	L W	DW	FC	X L W	FC	X L W	FC	X L W									

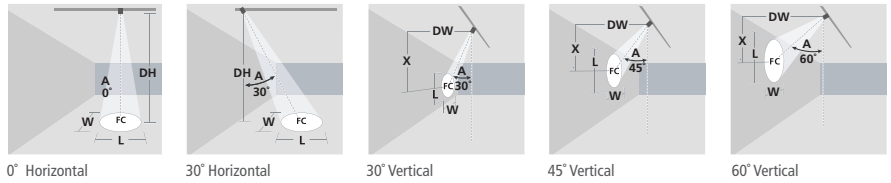
CMH PAR Lamps continued

	25°	11000	10	110	4.4	4.4	71	6.0	5.1	4	86	6.9	8.3	3.5	243	4.0	3.7	2.5	447	2.3	2.4	2.0
			12	76	5.3	5.3	50	7.2	6.1	6	38	10.4	12.5	5.3	108	6.0	5.6	3.8	198	3.5	3.6	3.1
			14	56	6.2	6.2	36	8.4	7.2	8	21	13.9	16.6	7.1	61	8.0	7.5	5.0	112	4.6	4.8	4.1
			16	43	7.1	7.1	28	9.6	8.2	10	14	17.3	20.8	8.9	39	10.0	9.3	6.3	71	5.8	6.0	5.1
			18	34	8.0	8.0	22	10.8	9.2	12	10	20.8	25.0	10.6	27	12.0	11.2	7.5	50	6.9	7.2	6.1
	15°	43000	10	430	2.6	2.6	279	3.5	3.0	4	336	6.9	4.4	2.1	950	4.0	2.1	1.5	1746	2.3	1.4	1.2
			12	299	3.2	3.2	194	4.2	3.7	6	149	10.4	6.7	3.2	422	6.0	3.2	2.2	776	3.5	2.1	1.8
			14	219	3.7	3.7	142	4.9	4.3	8	84	13.9	8.9	4.2	238	8.0	4.3	3.0	436	4.6	2.8	2.4
			16	168	4.2	4.2	109	5.6	4.8	10	54	17.3	11.1	5.3	152	10.0	5.4	3.7	279	5.8	3.5	3.0
			18	133	4.7	4.7	86	6.4	5.4	12	37	20.8	13.3	6.3	106	12.0	6.4	4.5	194	6.9	4.2	3.6
	40°	10000	10	100	7.3	7.3	65	10.2	8.4	4	78	6.9	19.3	5.8	221	4.0	6.7	4.1	406	2.3	4.1	3.4
			12	69	8.7	8.7	45	12.2	10.0	6	35	10.4	29.0	8.7	98	6.0	10.1	6.2	180	3.5	6.1	5.0
			14	51	10.2	10.2	33	14.2	11.8	8	20	13.9	38.7	11.6	55	8.0	13.4	8.2	101	4.6	8.1	6.7
			16	39	11.6	11.6	25	16.2	13.4	10	13	17.3	48.3	14.6	35	10.0	16.8	10.3	65	5.8	10.2	8.4
			18	31	13.1	13.1	20	18.3	15.1	12	9	20.8	58.0	17.5	25	12.0	20.1	12.4	45	6.9	12.2	10.1

Incandescent PAR Lamps

	40°	800	8	13	5.8	5.8	8	8.1	6.7	4	6	6.9	19.3	5.8	18	4.0	6.7	4.1	32	2.3	4.1	3.4
			10	8	7.3	7.3	5	10.2	8.4	6	3	10.4	29.0	8.7	8	6.0	10.1	6.2	14	3.5	6.1	5.0
			12	6	8.7	8.7	4	12.2	10.0	8	2	13.9	38.7	11.6	4	8.0	13.4	8.2	8	4.6	8.1	6.7
			14	4	10.2	10.2	3	14.2	11.8	10	1	17.3	48.3	14.6	3	10.0	16.8	10.3	5	5.8	10.2	8.4
			16	3	11.6	11.6	2	16.2	13.4	12	1	20.8	58.0	17.5	2	12.0	20.1	12.4	4	6.9	12.2	10.1
	10°	3000	8	47	1.4	1.4	30	1.9	1.6	4	23	6.9	2.9	1.4	66	4.0	1.4	1.0	122	2.3	0.9	0.8
			10	30	1.7	1.7	19	2.3	2.0	6	10	10.4	4.3	2.1	29	6.0	2.1	1.5	54	3.5	1.4	1.2
			12	21	2.1	2.1	14	2.8	2.4	8	6	13.9	5.7	2.8	17	8.0	2.8	2.0	30	4.6	1.9	1.6
			14	15	2.4	2.4	10	3.3	2.8	10	4	17.3	7.2	3.5	11	10.0	3.5	2.5	19	5.8	2.3	2.0
			16	12	2.8	2.8	8	3.7	3.2	12	3	20.8	8.6	4.2	7	12.0	4.2	3.0	14	6.9	2.8	2.4
	30°	800	8	13	4.3	4.3	8	5.9	5.0	4	6	6.9	10.9	4.3	18	4.0	4.6	3.0	32	2.3	2.9	2.5
			10	8	5.4	5.4	5	7.3	6.2	6	3	10.4	16.4	6.4	8	6.0	6.9	4.5	14	3.5	4.4	3.7
			12	6	6.4	6.4	4	8.8	7.4	8	2	13.9	21.9	8.6	4	8.0	9.2	6.1	8	4.6	5.9	5.0
			14	4	7.5	7.5	3	10.2	8.7	10	1	17.3	27.3	10.7	3	10.0	11.5	7.6	5	5.8	7.3	6.2
			16	3	8.6	8.6	2	11.7	9.9	12	1	20.8	32.8	12.9	2	12.0	13.9	9.1	4	6.9	8.8	7.4
	40°	500	8	8	5.8	5.8	5	8.1	6.7	4	4	6.9	19.3	5.8	11	4.0	6.7	4.1	20	2.3	4.1	3.4
			10	5	7.3	7.3	3	10.2	8.4	6	2	10.4	29.0	8.7	5	6.0	10.1	6.2	9	3.5	6.1	5.0
			12	3	8.7	8.7	2	12.2	10.0	8	1	13.9	38.7	11.6	3	8.0	13.4	8.2	5	4.6	8.1	6.7
			14	3	10.2	10.2	2	14.2	11.8	10	1	17.3	48.3	14.6	2	10.0	16.8	10.3	3	5.8	10.2	8.4
			16	2	11.6	11.6	1	16.2	13.4	12	0	20.8	58.0	17.5	1	12.0	20.1	12.4	2	6.9	12.2	10.1
	10°	4600	8	72	1.4	1.4	47	1.9	1.6	4	36	6.9	2.9	1.4	102	4.0	1.4	1.0	187	2.3	0.9	0.8
			10	46	1.7	1.7	30	2.3	2.0	6	6	10.4	4.3	2.1	45	6.0	2.1	1.5	83	3.5	1.4	1.2
			12	32	2.1	2.1	21	2.8	2.4	8	9	13.9	5.7	2.8	25	8.0	2.8	2.0	47	4.6	1.9	1.6
			14	23	2.4	2.4	15	3.3	2.8	10	6	17.3	7.2	3.5	16	10.0	3.5	2.5	30	5.8	2.3	2.0
			16	18	2.8	2.8	12	3.7	3.2	12	4	20.8	8.6	4.2	11	12.0	4.2	3.0	21	6.9	2.8	2.4
	30°	1200	8	19	4.3	4.3	12	5.9	5.0	4	9	6.9	10.9	4.3	27	4.0	4.6	3.0	49	2.3	2.9	2.5
			10	12	5.4	5.4	8	7.3	6.2	6	4	10.4	16.4	6.4	12	6.0	6.9	4.5	22	3.5	4.4	3.7
			12	8	6.4	6.4	5	8.8	7.4	8	2	13.9	21.9	8.6	7	8.0	9.2	6.1	12	4.6	5.9	5.0
			14	6	7.5	7.5	4	10.2	8.7	10	2	17.3	27.3	10.7	4	10.0	11.5	7.6	8	5.8	7.3	6.2
			16	5	8.6	8.6	3	11.7	9.9	12	1	20.8	32.8	12.9	3	12.0	13.9	9.1	5	6.9	8.8	7.4
	40°	900	8	14	5.8	5.8	9	8.1	6.7	4	7	6.9	19.3	5.8	20	4.0	6.7	4.1	37	2.3	4.1	3.4
			10	9	7.3	7.3	6	10.2	8.4	6	3	10.4	29.0	8.7	9	6.0	10.1	6.2	16	3.5	6.1	5.0
			12	6	8.7	8.7	4	12.2	10.0	8	2	13.9	38.7	11.6	5	8.0	13.4	8.2	9	4.6	8.1	6.7
			14	5	10.2	10.2	3	14.2	11.8	10	1	17.3	48.3	14.6	3	10.0	16.8	10.3	6	5.8	10.2	8.4
			16	4	11.6	11.6	2	16.2	13.4	12	1	20.8	58.0	17.5	2	12.0	20.1	12.4	4	6.9	12.2	10.1

- A** Aiming angle of fixture, measured from 0°
- DH** Vertical distance from fixture to horizontal surface
- DW** Distance from fixture to wall
- FC** Footcandles at beam center
- X** Vertical distance from beam center to ceiling
- L** Length of beam
- W** Width of beam
- CBCP** Centerbeam Candlepower

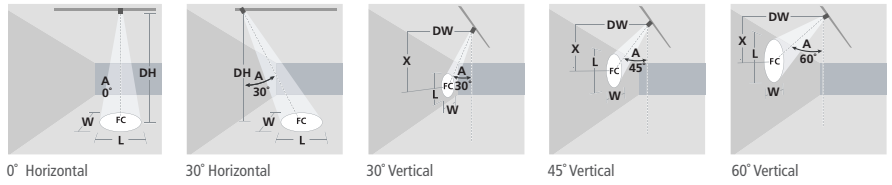


Fixture Usage	Lamp Type/ Part Number	Beam Spread	CBCP	Horizontal Surfaces									Vertical Surfaces											
				0°			30°			30°			45°				60°							
				DH	FC	L W	FC	L W	DW	FC	X	L	W	FC	X	L	W	FC	X	L	W			

Incandescent PAR Lamps *continued*

Breeze Om Sportster Tweak	PAR30 SHORT 50w 9° 300BHV418		8800	8	138	1.3	1.3	89	1.7	1.5	4	69	6.9	2.6	1.3	194	4.0	1.3	0.9	357	2.3	0.8	0.7
				10	88	1.6	1.6	57	2.1	1.8	6	31	10.4	3.8	1.9	86	6.0	1.9	1.3	159	3.5	1.3	1.1
				12	61	1.9	1.9	40	2.5	2.2	8	17	13.9	5.1	2.5	49	8.0	2.5	1.8	89	4.6	1.7	1.5
				14	45	2.2	2.2	29	2.9	2.5	10	11	17.3	6.4	3.1	31	10.0	3.2	2.2	57	5.8	2.1	1.8
				16	34	2.5	2.5	22	3.4	2.9	12	8	20.8	7.7	3.8	22	12.0	3.8	2.7	40	6.9	2.5	2.2
	25°	2300	8	36	3.5	3.5	23	4.8	4.0	4	18	6.9	8.3	3.5	51	4.0	3.7	2.5	93	2.3	2.4	2.0	
			10	23	4.4	4.4	15	6.0	5.1	6	8	10.4	12.5	5.3	23	6.0	5.6	3.8	41	3.5	3.6	3.1	
			12	16	5.3	5.3	10	7.2	6.1	8	4	13.9	16.6	7.1	13	8.0	7.5	5.0	23	4.6	4.8	4.1	
			14	12	6.2	6.2	8	8.4	7.2	10	3	17.3	20.8	8.9	8	10.0	9.3	6.3	15	5.8	6.0	5.1	
			16	9	7.1	7.1	6	9.6	8.2	12	2	20.8	25.0	10.6	6	12.0	11.2	7.5	10	6.9	7.2	6.1	
	40°	1300	8	20	5.8	5.8	13	8.1	6.7	4	10	6.9	19.3	5.8	29	4.0	6.7	4.1	53	2.3	4.1	3.4	
			10	13	7.3	7.3	8	10.2	8.4	6	5	10.4	29.0	8.7	13	6.0	10.1	6.2	23	3.5	6.1	5.0	
			12	9	8.7	8.7	6	12.2	10.0	8	3	13.9	38.7	11.6	7	8.0	13.4	8.2	13	4.6	8.1	6.7	
			14	7	10.2	10.2	4	14.2	11.8	10	2	17.3	48.3	14.6	5	10.0	16.8	10.3	8	5.8	10.2	8.4	
			16	5	11.6	11.6	3	16.2	13.4	12	1	20.8	58.0	17.5	3	12.0	20.1	12.4	6	6.9	12.2	10.1	
	9°	15400	8	241	1.3	1.3	156	1.7	1.5	4	120	6.9	2.6	1.3	340	4.0	1.3	0.9	625	2.3	0.8	0.7	
			10	154	1.6	1.6	100	2.1	1.8	6	53	10.4	3.8	1.9	151	6.0	1.9	1.3	278	3.5	1.3	1.1	
			12	107	1.9	1.9	69	2.5	2.2	8	30	13.9	5.1	2.5	85	8.0	2.5	1.8	156	4.6	1.7	1.5	
			14	79	2.2	2.2	51	2.9	2.5	10	19	17.3	6.4	3.1	54	10.0	3.2	2.2	100	5.8	2.1	1.8	
			16	60	2.5	2.5	39	3.4	2.9	12	13	20.8	7.7	3.8	38	12.0	3.8	2.7	69	6.9	2.5	2.2	
	25°	4000	8	63	3.5	3.5	41	4.8	4.0	4	31	6.9	8.3	3.5	88	4.0	3.7	2.5	162	2.3	2.4	2.0	
			10	40	4.4	4.4	26	6.0	5.1	6	14	10.4	12.5	5.3	39	6.0	5.6	3.8	72	3.5	3.6	3.1	
			12	28	5.3	5.3	18	7.2	6.1	8	8	13.9	16.6	7.1	22	8.0	7.5	5.0	41	4.6	4.8	4.1	
			14	20	6.2	6.2	13	8.4	7.2	10	5	17.3	20.8	8.9	14	10.0	9.3	6.3	26	5.8	6.0	5.1	
			16	16	7.1	7.1	10	9.6	8.2	12	3	20.8	25.0	10.6	10	12.0	11.2	7.5	18	6.9	7.2	6.1	
	40°	2100	8	33	5.8	5.8	21	8.1	6.7	4	16	6.9	19.3	5.8	46	4.0	6.7	4.1	85	2.3	4.1	3.4	
			10	21	7.3	7.3	14	10.2	8.4	6	7	10.4	29.0	8.7	21	6.0	10.1	6.2	38	3.5	6.1	5.0	
			12	15	8.7	8.7	9	12.2	10.0	8	4	13.9	38.7	11.6	12	8.0	13.4	8.2	21	4.6	8.1	6.7	
			14	11	10.2	10.2	7	14.2	11.8	10	3	17.3	48.3	14.6	7	10.0	16.8	10.3	14	5.8	10.2	8.4	
			16	8	11.6	11.6	5	16.2	13.4	12	2	20.8	58.0	17.5	5	12.0	20.1	12.4	9	6.9	12.2	10.1	
Breeze Om Soma Sportster Tweak	PAR30 LONG 50w 9° 300BHV424		8800	8	138	1.3	1.3	89	1.7	1.5	4	69	6.9	2.6	1.3	194	4.0	1.3	0.9	357	2.3	0.8	0.7
				10	88	1.6	1.6	57	2.1	1.8	6	31	10.4	3.8	1.9	86	6.0	1.9	1.3	159	3.5	1.3	1.1
				12	61	1.9	1.9	40	2.5	2.2	8	17	13.9	5.1	2.5	49	8.0	2.5	1.8	89	4.6	1.7	1.5
				14	45	2.2	2.2	29	2.9	2.5	10	11	17.3	6.4	3.1	31	10.0	3.2	2.2	57	5.8	2.1	1.8
				16	34	2.5	2.5	22	3.4	2.9	12	8	20.8	7.7	3.8	22	12.0	3.8	2.7	40	6.9	2.5	2.2
	25°	2300	8	36	3.5	3.5	23	4.8	4.0	4	18	6.9	8.3	3.5	51	4.0	3.7	2.5	93	2.3	2.4	2.0	
			10	23	4.4	4.4	15	6.0	5.1	6	8	10.4	12.5	5.3	23	6.0	5.6	3.8	41	3.5	3.6	3.1	
			12	16	5.3	5.3	10	7.2	6.1	8	4	13.9	16.6	7.1	13	8.0	7.5	5.0	23	4.6	4.8	4.1	
			14	12	6.2	6.2	8	8.4	7.2	10	3	17.3	20.8	8.9	8	10.0	9.3	6.3	15	5.8	6.0	5.1	
			16	9	7.1	7.1	6	9.6	8.2	12	2	20.8	25.0	10.6	6	12.0	11.2	7.5	10	6.9	7.2	6.1	
	50°	1300	8	20	7.5	7.5	13	10.7	8.7	4	10	6.9	42.9	7.5	29	4.0	9.5	5.3	53	2.3	5.4	4.3	
			10	13	9.3	9.3	8	13.4	10.7	6	5	10.4	64.4	11.2	13	6.0	14.3	7.9	23	3.5	8.0	6.5	
			12	9	11.2	11.2	6	16.1	12.9	8	3	13.9	85.8	14.9	7	8.0	19.1	10.6	13	4.6	10.7	8.6	
			14	7	13.1	13.1	4	18.8	15.1	10	2	17.3	107.3	18.7	5	10.0	23.8	13.2	8	5.8	13.4	10.8	
			16	5	14.9	14.9	3	21.5	17.2	12	1	20.8	128.8	22.4	3	12.0	28.6	15.8	6	6.9	16.1	12.9	
	9°	15400	8	241	1.3	1.3	156	1.7	1.5	4	120	6.9	2.6	1.3	340	4.0	1.3	0.9	625	2.3	0.8	0.7	
			10	154	1.6	1.6	100	2.1	1.8	6	53	10.4	3.8	1.9	151	6.0	1.9	1.3	278	3.5	1.3	1.1	
			12	107	1.9	1.9	69	2.5	2.2	8	30	13.9	5.1	2.5	85	8.0	2.5	1.8	156	4.6	1.7	1.5	
			14	79	2.2	2.2	51	2.9	2.5	10	19	17.3	6.4	3.1	54	10.0	3.2	2.2	100	5.8	2.1	1.8	
			16	60	2.5	2.5	39	3.4	2.9	12	13	20.8	7.7	3.8	38	12.0	3.8	2.7	69	6.9	2.5	2.2	









- A** Aiming angle of fixture, measured from 0°
- DH** Vertical distance from fixture to horizontal surface
- DW** Distance from fixture to wall
- FC** Footcandles at beam center
- X** Vertical distance from beam center to ceiling
- L** Length of beam
- W** Width of beam
- CBCP** Centerbeam Candlepower



Fixture Usage	Lamp Type/ Part Number	Beam Spread	CBCP	Horizontal Surfaces									Vertical Surfaces							
				0°			30°			30°			45°				60°			
				DH	FC	L	W	FC	L	W	DW	FC	X	L	W	FC	X	L	W	FC

Incandescent PAR Lamps *continued*


	PAR30 LONG 75w 25° 300BHV428		25°	4000	8	241	3.5	3.5	156	4.8	4.0	4	31	6.9	8.3	3.5	88	4.0	3.7	2.5	162	2.3	2.4	2.0
					10	154	4.4	4.4	100	6.0	5.1	6	14	10.4	12.5	5.3	39	6.0	5.6	3.8	72	3.5	3.6	3.1
					12	107	5.3	5.3	69	7.2	6.1	8	8	13.9	16.6	7.1	22	8.0	7.5	5.0	41	4.6	4.8	4.1
					14	79	6.2	6.2	51	8.4	7.2	10	5	17.3	20.8	8.9	14	10.0	9.3	6.3	26	5.8	6.0	5.1
					16	60	7.1	7.1	39	9.6	8.2	12	3	20.8	25.0	10.6	10	12.0	11.2	7.5	18	6.9	7.2	6.1
	PAR30 LONG 75w 50° 300BHV429		50°	2100	8	33	7.5	7.5	21	10.7	8.7	4	16	6.9	42.9	7.5	46	4.0	9.5	5.3	85	2.3	5.4	4.3
					10	21	9.3	9.3	14	13.4	10.7	6	7	10.4	64.4	11.2	21	6.0	14.3	7.9	38	3.5	8.0	6.5
					12	15	11.2	11.2	9	16.1	12.9	8	4	13.9	85.8	14.9	12	8.0	19.1	10.6	21	4.6	10.7	8.6
					14	11	13.1	13.1	7	18.8	15.1	10	3	17.3	107.3	18.7	7	10.0	23.8	13.2	14	5.8	13.4	10.8
					16	8	14.9	14.9	5	21.5	17.2	12	2	20.8	128.8	22.4	5	12.0	28.6	15.8	9	6.9	16.1	12.9
	PAR38 60w 9° 300BHV430		9°	16000	8	250	1.3	1.3	162	1.7	1.5	4	125	6.9	2.6	1.3	354	4.0	1.3	0.9	650	2.3	0.8	0.7
					10	160	1.6	1.6	104	2.1	1.8	6	56	10.4	3.8	1.9	157	6.0	1.9	1.3	289	3.5	1.3	1.1
					12	111	1.9	1.9	72	2.5	2.2	8	31	13.9	5.1	2.5	88	8.0	2.5	1.8	162	4.6	1.7	1.5
					14	82	2.2	2.2	53	2.9	2.5	10	20	17.3	6.4	3.1	57	10.0	3.2	2.2	104	5.8	2.1	1.8
					16	63	2.5	2.5	41	3.4	2.9	12	14	20.8	7.7	3.8	39	12.0	3.8	2.7	72	6.9	2.5	2.2
	PAR38 60w 30° 300BHV431		30°	2500	8	39	4.3	4.3	25	5.9	5.0	4	20	6.9	10.9	4.3	55	4.0	4.6	3.0	101	2.3	2.9	2.5
					10	25	5.4	5.4	16	7.3	6.2	6	9	10.4	16.4	6.4	25	6.0	6.9	4.5	45	3.5	4.4	3.7
					12	17	6.4	6.4	11	8.8	7.4	8	5	13.9	21.9	8.6	14	8.0	9.2	6.1	25	4.6	5.9	5.0
					14	13	7.5	7.5	8	10.2	8.7	10	3	17.3	27.3	10.7	9	10.0	11.5	7.6	16	5.8	7.3	6.2
					16	10	8.6	8.6	6	11.7	9.9	12	2	20.8	32.8	12.9	6	12.0	13.9	9.1	11	6.9	8.8	7.4
	PAR38 90w 9° 300BHV432		9°	22200	8	347	1.3	1.3	225	1.7	1.5	4	173	6.9	2.6	1.3	491	4.0	1.3	0.9	901	2.3	0.8	0.7
					10	222	1.6	1.6	144	2.1	1.8	6	77	10.4	3.8	1.9	218	6.0	1.9	1.3	401	3.5	1.3	1.1
					12	154	1.9	1.9	100	2.5	2.2	8	43	13.9	5.1	2.5	123	8.0	2.5	1.8	225	4.6	1.7	1.5
					14	113	2.2	2.2	74	2.9	2.5	10	28	17.3	6.4	3.1	78	10.0	3.2	2.2	144	5.8	2.1	1.8
					16	87	2.5	2.5	56	3.4	2.9	12	19	20.8	7.7	3.8	55	12.0	3.8	2.7	100	6.9	2.5	2.2
	PAR38 90w 30° 300BHV433		30°	3500	8	55	4.3	4.3	36	5.9	5.0	4	27	6.9	10.9	4.3	77	4.0	4.6	3.0	142	2.3	2.9	2.5
					10	35	5.4	5.4	23	7.3	6.2	6	12	10.4	16.4	6.4	34	6.0	6.9	4.5	63	3.5	4.4	3.7
					12	24	6.4	6.4	16	8.8	7.4	8	7	13.9	21.9	8.6	19	8.0	9.2	6.1	36	4.6	5.9	5.0
					14	18	7.5	7.5	12	10.2	8.7	10	4	17.3	27.3	10.7	12	10.0	11.5	7.6	23	5.8	7.3	6.2
					16	14	8.6	8.6	9	11.7	9.9	12	3	20.8	32.8	12.9	9	12.0	13.9	9.1	16	6.9	8.8	7.4
	PAR38 90w 50° 300BHV434		50°	1600	8	25	7.5	7.5	16	10.7	8.7	4	13	6.9	42.9	7.5	35	4.0	9.5	5.3	65	2.3	5.4	4.3
					10	16	9.3	9.3	10	13.4	10.7	6	6	10.4	64.4	11.2	16	6.0	14.3	7.9	29	3.5	8.0	6.5
					12	11	11.2	11.2	7	16.1	12.9	8	3	13.9	85.8	14.9	9	8.0	19.1	10.6	16	4.6	10.7	8.6
					14	8	13.1	13.1	5	18.8	15.1	10	2	17.3	107.3	18.7	6	10.0	23.8	13.2	10	5.8	13.4	10.8
					16	6	14.9	14.9	4	21.5	17.2	12	1	20.8	128.8	22.4	4	12.0	28.6	15.8	7	6.9	16.1	12.9
	PAR38 120w 10° 300BHV435		10°	22500	8	352	1.4	1.4	228	1.9	1.6	4	176	6.9	2.9	1.4	497	4.0	1.4	1.0	913	2.3	0.9	0.8
					10	225	1.7	1.7	146	2.3	2.0	6	78	10.4	4.3	2.1	221	6.0	2.1	1.5	406	3.5	1.4	1.2
					12	156	2.1	2.1	101	2.8	2.4	8	44	13.9	5.7	2.8	124	8.0	2.8	2.0	228	4.6	1.9	1.6
					14	115	2.4	2.4	75	3.3	2.8	10	28	17.3	7.2	3.5	80	10.0	3.5	2.5	146	5.8	2.3	2.0
					16	88	2.8	2.8	57	3.7	3.2	12	20	20.8	8.6	4.2	55	12.0	4.2	3.0	101	6.9	2.8	2.4
	PAR38 120w 30° 300BHV436		30°	4600	8	72	4.3	4.3	47	5.9	5.0	4	36	6.9	10.9	4.3	102	4.0	4.6	3.0	187	2.3	2.9	2.5
					10	46	5.4	5.4	30	7.3	6.2	6	16	10.4	16.4	6.4	45	6.0	6.9	4.5	83	3.5	4.4	3.7
					12	32	6.4	6.4	21	8.8	7.4	8	9	13.9	21.9	8.6	25	8.0	9.2	6.1	47	4.6	5.9	5.0
					14	23	7.5	7.5	15	10.2	8.7	10	6	17.3	27.3	10.7	16	10.0	11.5	7.6	30	5.8	7.3	6.2
					16	18	8.6	8.6	12	11.7	9.9	12	4	20.8	32.8	12.9	11	12.0	13.9	9.1	21	6.9	8.8	7.4
	PAR38 120w 55° 300BHV437		55°	2000	8	31	8.3	8.3	20	12.2	9.6	4	16	6.9	89.1	8.3	44	4.0	11.4	5.9	81	2.3	6.1	4.8
					10	20	10.4	10.4	13	15.3	12.0	6	7	10.4	133.6	12.5	20	6.0	17.1	8.8	36	3.5	9.2	7.2
					12	14	12.5	12.5	9	18.3	14.4	8	4	13.9	178.1	16.7	11	8.0	22.9	11.8	20	4.6	12.2	9.6
					14	10	14.6	14.6	7	21.4	16.9	10	3	17.3	222.7	20.8	7	10.0	28.6	14.7	13	5.8	15.3	12.0
					16	8	16.7	16.7	5	24.4	19.3	12	2	20.8	267.2	25.0	5	12.0	34.3	17.7	9	6.9	18.3	14.4

Fixture Usage	Distance From Wall/ Lamp Type/Part Number	Distance From Ceiling	FC On Wall For Single Fixture Performance					FC On Wall For Multiple Fixture Performance								
			0'	1'	2'	3'	4'	4'			5'			6'		
Wall Washer Lamps																
Gamma	20 T4.5 CMH 	1'	34	33	19	10	4	43	39	43	39	29	39	37	20	37
		2'	39	38	22	11	7	53	49	53	47	33	47	43	23	43
		3'	31	30	21	10	6	44	47	44	39	32	39	36	22	36
		4'	21	20	16	10	5	32	36	32	28	28	28	26	21	26
		5'	13	12	10	8	4	22	24	22	18	21	18	16	17	16
		6'	7	7	7	5	4	15	16	15	12	14	12	11	12	11
		7'	4	4	4	3	3	10	10	10	9	9	9	7	8	7
		8'	3	3	3	2	2	7	7	7	6	6	6	5	6	5
		9'	2	2	2	2	2	6	6	6	5	5	5	5	5	5
		10'	2	2	2	2	1	5	5	5	4	4	4	4	4	4
		1'	19	18	13	9	5	29	29	29	24	23	24	22	18	22
		2'	22	23	17	10	6	36	38	36	31	28	31	28	21	28
		3'	21	22	17	11	7	36	41	36	31	32	31	28	24	28
		4'	18	18	15	10	6	32	37	32	27	30	27	24	23	24
		5'	13	13	12	9	6	27	29	27	21	24	21	19	20	19
		6'	9	9	9	7	5	22	21	22	17	18	17	14	16	14
		7'	7	6	6	5	4	16	16	16	13	14	13	11	12	11
		8'	4	4	4	4	3	12	12	12	10	10	10	9	9	9
		9'	3	3	3	3	2	9	9	9	8	8	8	7	7	7
		10'	2	2	2	2	2	7	7	7	6	6	6	5	5	5
Gamma	39 T4.5 CMH 	1'	68	65	37	19	8	86	78	86	77	57	77	74	40	74
		2'	78	75	44	22	13	105	97	105	93	65	93	86	46	86
		3'	61	60	42	20	12	88	94	88	78	63	78	72	43	72
		4'	41	39	32	19	9	63	72	63	55	56	55	51	41	51
		5'	25	24	20	15	8	44	48	44	35	41	35	32	33	32
		6'	14	14	13	10	7	30	32	30	24	27	24	21	23	21
		7'	8	8	7	6	5	20	20	20	17	18	17	14	16	14
		8'	5	5	5	4	4	14	14	14	12	12	12	10	11	10
		9'	3	3	3	3	3	11	11	11	10	10	10	9	9	9
		10'	3	3	3	3	2	9	9	9	8	8	8	8	8	8
		1'	37	36	26	17	9	58	58	58	48	46	48	44	36	44
		2'	44	46	33	19	12	72	75	72	62	56	62	55	42	55
		3'	42	43	34	21	13	72	81	72	62	63	62	56	47	56
		4'	35	35	30	20	12	64	73	64	53	59	53	48	45	48
		5'	26	25	23	17	11	53	57	53	42	48	42	37	39	37
		6'	18	18	17	14	10	43	42	43	33	36	33	28	31	28
		7'	13	12	11	10	8	32	31	32	26	27	26	21	24	21
		8'	8	8	8	7	6	24	23	24	20	20	20	17	18	17
		9'	6	5	5	5	4	17	17	17	15	15	15	13	13	13
		10'	4	4	4	4	3	13	13	13	12	12	12	10	10	10
Gamma	70 T4.5 CMH 	1'	124	118	67	35	15	157	142	157	140	104	140	135	73	135
		2'	142	137	80	40	24	191	177	191	169	118	169	157	84	157
		3'	111	109	76	36	22	160	171	160	142	115	142	131	78	131
		4'	75	71	58	35	16	115	131	115	100	102	100	93	75	93
		5'	46	44	36	27	15	80	87	80	64	75	64	58	60	58
		6'	25	25	24	18	13	55	58	55	44	49	44	38	42	38
		7'	15	15	13	11	9	36	36	36	31	33	31	25	29	25
		8'	9	9	9	7	7	25	25	25	22	22	22	18	20	18
		9'	5	5	5	5	5	20	20	20	18	18	18	16	16	16
		10'	5	5	5	5	4	16	16	16	15	15	15	15	15	15
		1'	67	66	47	31	16	106	106	106	87	84	87	80	66	80
		2'	80	84	60	35	22	131	137	131	113	102	113	100	76	100
		3'	76	78	62	38	24	131	147	131	113	115	113	102	86	102
		4'	64	64	55	36	22	116	133	116	96	107	96	87	82	87
		5'	47	46	42	31	20	96	104	96	76	87	76	67	71	67
		6'	33	33	31	25	18	78	76	78	60	66	60	51	56	51
		7'	24	22	20	18	15	58	56	58	47	49	47	38	44	38
		8'	15	15	15	13	11	44	42	44	36	36	36	31	33	31
		9'	11	9	9	9	7	31	31	31	27	27	27	24	24	24
		10'	7	7	7	7	5	24	24	24	22	22	22	18	18	18
Gamma	100 T3 R7s Halogen 	1'	35	33	18	9	4	44	39	44	39	28	39	38	19	38
		2'	43	39	23	11	6	56	49	56	50	33	50	47	23	47
		3'	33	32	22	10	6	45	48	45	40	33	40	38	22	38
		4'	22	21	16	9	5	33	37	33	28	28	28	26	21	26
		5'	13	12	10	7	4	22	24	22	18	20	18	16	16	16
		6'	7	6	6	5	3	14	15	14	11	13	11	10	11	10
		7'	4	3	3	3	2	9	9	9	7	8	7	6	7	6
		8'	2	2	2	2	2	7	7	7	6	6	6	5	5	5
		9'	2	2	2	1	1	5	5	5	5	5	5	4	4	4
		10'	1	1	1	1	1	4	4	4	4	4	4	4	4	4
		1'	18	18	13	8	4	28	28	28	23	22	23	21	17	21
		2'	24	24	16	10	6	38	38	38	32	28	32	29	22	29
		3'	24	23	18	11	6	38	41	38	33	32	33	30	24	30
		4'	19	19	16	10	6	33	37	33	27	30	27	25	23	25
		5'	14	13	12	9	6	27	29	27	22	24	22	19	20	19
		6'	10	9	9	7	5	21	22	21	17	18	17	14	16	14
		7'	6	6	6	5	4	16	15	16	13	13	13	11	12	11
		8'	4	4	4	4	3	11	11	11	9	9	9	8	9	8
		9'	2	2	2	2	2	8	8	8	7	7	7	6	6	6
		10'	2	2	2	2	2	6	6	6	5	5	5	5	5	5

COMPUTER #	DESCRIPTION	VOLTS	WATTS	LAMP SHAPE	BASE TYPE	BEAM SPREAD	COLOR TEMP (K)	CRI	CENTER BEAM CANDLE POWER	INITIAL LUMENS	RATED AVG LIFE
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Line-Voltage Incandescent Lamps


G9 Bi-Pin Halogen

	300BHV361	120v Hal G9 bi-pin T4 40w Fr.	120	40	T4	G9 Bi-Pin	NA	2900	100	NA	480	2,000
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PAR16 GU10 Halogen

	300BHV411	120v Hal PAR16 GU10 40° 50w	120	50	PAR16	GU10	40	2950	100	800	650	2,000
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PAR20 Halogen

	300BHV412	120v Hal PAR20 E26 Med 10° 35w	120	35	PAR20	E26 Med	10	2950	100	3,000	360	2,500
	300BHV413	120v Hal PAR20 E26 Med 30° 35w	120	35	PAR20	E26 Med	30	2950	100	800	360	2,500
	300BHV414	120v Hal PAR20 E26 Med 40° 35w	120	35	PAR20	E26 Med	40	2950	100	500	360	2,500
	300BHV415	120v Hal PAR20 E26 Med 10° 50w	120	50	PAR20	E26 Med	10	2950	100	4,600	550	2,500
	300BHV416	120v Hal PAR20 E26 Med 30° 50w	120	50	PAR20	E26 Med	30	2950	100	1,200	550	2,500
	300BHV417	120v Hal PAR20 E26 Med 40° 50w	120	50	PAR20	E26 Med	40	2950	100	900	550	2,500


PAR30 Short Halogen

	300BHV418	120v Hal PAR30 E26 Med 9° 50w	120	50	PAR30	E26 Med	9	2950	100	8,800	660	2,500
	300BHV419	120v Hal PAR30 E26 Med 25° 50w	120	50	PAR30	E26 Med	25	2950	100	2,300	660	2,500
	300BHV420	120v Hal PAR30 E26 Med 40° 50w	120	50	PAR30	E26 Med	40	2950	100	1,300	660	2,500
	300BHV421	120v Hal PAR30 E26 Med 9° 75w	120	75	PAR30	E26 Med	9	2950	100	15,400	1,130	2,500
	300BHV422	120v Hal PAR30 E26 Med 25° 75w	120	75	PAR30	E26 Med	25	2950	100	4,000	1,130	2,500
	300BHV423	120v Hal PAR30 E26 Med 40° 75w	120	75	PAR30	E26 Med	40	2950	100	2,100	1,130	2,500


PAR30 Long Halogen

	300BHV424	120v Hal PAR30L E26 Med 9° 50w	120	50	PAR30LN	E26 Med	9	2950	100	8,800	660	2,500
	300BHV425	120v Hal PAR30L E26 Med 25° 50w	120	50	PAR30LN	E26 Med	25	2950	100	2,300	660	2,500
	300BHV426	120v Hal PAR30L E26 Med 50° 50w	120	50	PAR30LN	E26 Med	50	2950	100	900	660	2,500
	300BHV427	120v Hal PAR30L E26 Med 9° 75w	120	75	PAR30LN	E26 Med	9	2950	100	15,400	1,130	2,500
	300BHV428	120v Hal PAR30L E26 Med 25° 75w	120	75	PAR30LN	E26 Med	25	2950	100	4,000	1,130	2,500
	300BHV429	120v Hal PAR30L E26 Med 50° 75w	120	75	PAR30LN	E26 Med	50	2950	100	1,100	1,130	2,500


PAR38 Halogen

	300BHV430	120v Hal PAR38 E26 Med 9° 60w	120	60	PAR38	E26 Med	9	2950	100	16,000	850	3,000
	300BHV431	120v Hal PAR38 E26 Med 30° 60w	120	60	PAR38	E26 Med	30	2950	100	2,500	850	3,000
	300BHV432	120v Hal PAR38 E26 Med 9° 90w	120	90	PAR38	E26 Med	9	2950	100	19,000	1,310	2,500
	300BHV433	120v Hal PAR38 E26 Med 30° 90w	120	90	PAR38	E26 Med	30	2950	100	3,500	1,310	2,500
	300BHV434	120v Hal PAR38 E26 Med 50° 90w	120	90	PAR38	E26 Med	50	2950	100	1,600	1,310	2,500
	300BHV435	120v Hal PAR38 E26 Med 10° 120w	120	120	PAR38	E26 Med	10	2950	100	22,500	1,800	3,000
	300BHV436	120v Hal PAR38 E26 Med 30° 120w	120	120	PAR38	E26 Med	30	2950	100	4,600	1,800	3,000
	300BHV437	120v Hal PAR38 E26 Med 55° 120w	120	120	PAR38	E26 Med	55	2950	100	2,000	1,800	3,000


T3 Double Ended Halogen

	300BHV438	120v Hal T3 R7S 100w 78 mm	120	100	T3	R7S	na	2950	100	na	1,650	2,000
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Mini-Candelabra Krypton/Halogen

	300BHV153	120v T3 E11 Mini-can. 40w Cl. Kry	120	40	T3	E11 Mini-Cand.	na	2800	100	na	560	2,000
	300BHV439	120v T4 E11 Mini-can. 60w Cl. Kry	120	60	T4	E11 Mini-Cand.	na	2800	100	na	960	2,000
	300BHV150	120v T4 E11 Mini-can. 75w Cl. Hal	120	75	T4	E11 Mini-Cand.	na	2800	100	na	1,125	1,000

Medium Globe Incandescent


	300BHV122	120v G40 Med 150w Wh.	120	150	G40	Med	na	2700	100	na	1,770	2,500
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A-Lamp Incandescent


	300BHV108	120v A19 E26 Med 60w Wh.	120	60	A19	E26 Med	na	2700	100	na	805	1,000
	300BHV109	120v A19 E26 Med 75w Wh.	120	75	A19	E26 Med	na	2700	100	na	1,190	750
	300BHV111	120v A19 E26 Med 100w Wh.	120	100	A19	E26 Med	na	2700	100	na	1,710	750
	300BHV392	120v A21 E26 Med 150w Wh.	120	150	A21	E26 Med	na	2700	100	na	2,780	750

Fluorescent Lamps

Compact Fluorescent Twin Tube

	300BHV367	Flr 2GX7 Twin Tube 13w	na	13	CFL Twin	2GX7	na	3000	82	na	800	10,000
	300BHV381	Flr 2G11 Twin Tube 36w	na	36	CFL Twin	2G11	na	3000	82	na	2,900	12,000

Compact Fluorescent Quad Tube

	300BHV395	Flr G24Q-3 Quad Tube 26w	na	26	CFL Quad	G24Q-3	na	2700	82	na	1,710	12,000
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Compact Fluorescent Triple Tube


	300BHV370	Flr GX24Q-1 Triple Tube 13w	na	13	CFL Triple	GX24Q-1	na	2700	82	na	900	12,000
	300BHV371	Flr GX24Q-2 Triple Tube 18w	na	18	CFL Triple	GX24Q-2	na	2700	82	na	1,200	12,000
	300BHV378	Flr GX24Q-3 Triple Tube 26w	na	26	CFL Triple	GX24Q-3	na	2700	82	na	1,800	12,000
	300BHV386	Flr GX24Q-3 Triple Tube 32w	na	32	CFL Triple	GX24Q-3	na	2700	82	na	2,328	12,000


COMPUTER #	DESCRIPTION	VOLTS	WATTS	LAMP SHAPE	BASE TYPE	BEAM SPREAD	COLOR TEMP (K)	CRI	CENTER BEAM CANDLE POWER	INITIAL LUMENS	RATED AVG LIFE
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Fluorescent Lamps *continued*

Compact Fluorescent GU24 Self-Ballasted


	300BHV450	120v Flr Self-Ballasted GU24 Spiral 13w	120	13	CFL Spiral	GU24	na	2700	82	na	900	10,000
	300BHV451	120v Flr Self-Ballasted GU24 Spiral 18w	120	18	CFL Spiral	GU24	na	2700	82	na	1,200	10,000
	300BHV452	120v Flr Self-Ballasted GU24 Spiral 27w	120	27	CFL Spiral	GU24	na	2700	82	na	1,800	10,000

	300BHV382	Flr T5HO Mini Bi-Pin 24w 22"	na	24	T5 HO	Mini Bi-Pin	na	3000	82	na	2,000	20,000
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	300BHV469	Flr T5 2GX13 Circline 40w 12" dia.	na	40	T5 Circular	2GX13	na	3000	82	na	3,200	12,000
	300BHV470	Flr T5HO 2GX13 Circline 55w 12" dia.	na	55	T5 HO Circular	2GX13	na	3000	82	na	4,000	12,000

Ceramic Metal Halide Lamps (CMH)


CMH T4.5

	300BHV401	CMH T4.5 Bi-Pin 20w	na	20	T4.5	Bi-Pin G8.5	na	3000	>80	na	1,700	6,000
	300BHV402	CMH T4.5 Bi-Pin 39w	na	39	T4.5	Bi-Pin G8.5	na	3000	>80	na	3,400	9,000
	300BHV403	CMH T4.5 Bi-Pin 70w	na	70	T4.5	Bi-Pin G8.5	na	3000	>80	na	6,200	9,000


CMH MR16 GE Constant Color

	300BHV440	GE CMH MR16 GX10 12° 20w	na	20	MR16	GX10	12	3000	80	9,000	1,000	12,000
	300BHV441	GE CMH MR16 GX10 25° 20w	na	20	MR16	GX10	25	3000	80	2,900	1,000	12,000
	300BHV442	GE CMH MR16 GX10 40° 20w	na	20	MR16	GX10	40	3000	80	1,500	1,000	12,000
	300BHV459	GE CMH MR16 GX10 12° 39w	na	39	MR16	GX10	12	3000	90	16,000	2,100	10,000
	300BHV460	GE CMH MR16 GX10 25° 39w	na	39	MR16	GX10	25	3000	90	5,500	2,100	10,000
	300BHV461	GE CMH MR16 GX10 40° 39w	na	39	MR16	GX10	40	3000	90	3,000	2,100	10,000

CMH PAR20

	300BHV462	CMH PAR20 Medium 8° 20w	na	20	PAR20	E26 Medium	8	3000	81	13,000	1,000	12,000
	300BHV463	CMH PAR20 Medium 25° 20w	na	20	PAR20	E26 Medium	25	3000	81	3,750	1,000	12,000
	300BHV410	CMH PAR20 Medium 10° 39w	na	39	PAR20	E26 Medium	10	3000	>85	22,000	2,100	10,000
	300BHV409	CMH PAR20 Medium 25° 39w	na	39	PAR20	E26 Medium	25	3000	>85	7,500	2,100	10,000

CMH PAR30 Long

	300BHV464	CMH PAR30L Medium 10° 20w	na	20	PAR30L	E26 Medium	10	3000	81	19,800	1,200	12,000
	300BHV465	CMH PAR30L Medium 25° 20w	na	20	PAR30L	E26 Medium	25	3000	81	4,900	1,200	12,000
	300BHV406	CMH PAR30L Medium 10° 39w	na	39	PAR30L	E26 Medium	10	3000	>80	39,600	2,400	10,000
	300BHV405	CMH PAR30L Medium 25° 39w	na	39	PAR30L	E26 Medium	25	3000	>80	11,000	2,400	10,000
	300BHV407	CMH PAR30L Medium 15° 70w	na	70	PAR30L	E26 Medium	15	3000	>80	43,000	4,700	10,000
	300BHV408	CMH PAR30L Medium 40° 70w	na	70	PAR30L	E26 Medium	40	3000	>80	10,000	4,700	10,000

12 Volt incandescent lamps

12 Volt MR16

	300BLV129	12v Hal MR16 GU5.3 12° 20w	12	20	MR16	GU5.3	12	2950	100	3,500	na	5,000
	300BLV128	12v Hal MR16 GU5.3 36° 20w	12	20	MR16	GU5.3	36	2950	100	600	na	5,000
	300BLV102	12v Hal MR16 GU5.3 24° 35w	12	35	MR16	GU5.3	24	2950	100	2,300	na	5,000
	300BLV105	12v Hal MR16 GU5.3 36° 35w	12	35	MR16	GU5.3	36	2950	100	1,300	na	5,000
	300BLV132	12v Hal MR16 GU5.3 12° 50w	12	50	MR16	GU5.3	12	3000	100	11,000	na	5,000
	300BLV133	12v Hal MR16 GU5.3 24° 50w	12	50	MR16	GU5.3	24	3000	100	3,600	na	5,000
	300BLV131	12v Hal MR16 GU5.3 36° 50w	12	50	MR16	GU5.3	36	3000	100	2,000	na	5,000
	300BLV110	12v Hal MR16 GU5.3 60° 50w	12	50	MR16	GU5.3	60	3000	100	850	na	5,000


12 Volt MR16 GE Constant Color

	300BLV130	12v GE CC. Hal MR16 GU5.3 15° 20w	12	20	MR16	GU5.3	15	2900	100	3,150	na	5,000
	300BLV127	12v GE CC. Hal MR16 GU5.3 40° 20w	12	20	MR16	GU5.3	40	2900	100	475	na	5,000
	300BLV124	12v GE CC. Hal MR16 GU5.3 20° 35w	12	35	MR16	GU5.3	20	3000	100	3,200	na	5,000
	300BLV126	12v GE CC. Hal MR16 GU5.3 40° 35w	12	35	MR16	GU5.3	40	3000	100	900	na	5,000
	300BLV141	12v GE CC. Hal MR16 GU5.3 15° 50w	12	50	MR16	GU5.3	15	3050	100	8,400	na	6,000
	300BLV138	12v GE CC. Hal MR16 GU5.3 25° 50w	12	50	MR16	GU5.3	25	3050	100	2,900	na	6,000
	300BLV139	12v GE CC. Hal MR16 GU5.3 40° 50w	12	50	MR16	GU5.3	40	3050	100	1,500	na	6,000
	300BLV136	12v GE CC. Hal MR16 GU5.3 55° 50w	12	50	MR16	GU5.3	55	3050	100	850	na	6,000

12 Volt MR16 IR

	300BLV254	12v IR MR16 GU5.3 10° 37w	12	37	MR16	GU5.3	10	3000	100	12,500	na	5,000
	300BLV255	12v IR MR16 GU5.3 25° 37w	12	37	MR16	GU5.3	25	3000	100	4,400	na	5,000
	300BLV256	12v IR MR16 GU5.3 35° 37w	12	37	MR16	GU5.3	35	3000	100	2,200	na	5,000

12 Volt MR16 10,000 Hour

	300BLV411	12v MR16 GU5.3 24° 50w	12	50	MR16	GU5.3	24	3100	100	2,700	na	10,000
	300BLV410	12v MR16 GU5.3 36° 50w	12	50	MR16	GU5.3	36	3100	100	1,500	na	10,000

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