

LED RECESSED PRODUCT OVERVIEW

Large enough to do it right, small enough to care.

At Nora Lighting, a family owned and operated business, our clients are at the heart of everything we do. We take their goals seriously, and see their success as our own.

Since 1989, our commitment to our clients, and our desire to strive for excellence have been the base of Nora's culture. We support and champion the technological development of luminaires that meet or exceed the highest international standards of design, craftsmanship, quality, performance, and energy efficiency. We strive to exceed our customer's expectations with products utilizing the latest in lighting technology and exceptional customer service. We pursue these goals with ethical, sound and honest business practices.

Over the past 30 years, Nora Lighting has worked diligently to live up to these goals while offering a product line that continues to set benchmarks for innovation, quality, and performance. Our vast array of LED products presented in this LED catalog are a testament to this. Since the development of our first LED downlight in 2011, our team of engineers have continued to produce LED luminaires that achieve new milestones in energy efficiency, lighting quality and design.

Our full line of LED and non-LED lighting solutions are a reflection of our commitment to our clients. Our extensive product lines, together with our dedicated sales and support teams continue to support the various needs of our valued customers. We hope you are able to find exactly what you are looking for with Nora Lighting, and when you do, the entire Nora family will be ready to meet your needs.

THE MOST COMPLETE LINE OF

LED DOWNLIGHTS

SAPPHIRE SERIES

Architectural and Commercial LED Downlights

Apertures: 4", 6" and 8" Lumen Output: 850lm to 8000lm

Dedicated or Retrofit: Dedicated and 6" or 8" Retrofit

A high efficiency commercial series available with two different LED packages (Cree TrueWhite® or Cree COB) Sizes includes 4", 6" & 8" apertures up to 8000 lumen packages in 2700K, 3000K, 3500K, 4000K or Comfort Dim technology. Featuring deep cone open reflectors, adjustable, wall wash or decorative glasses reflectors. Frame-in options include universal architectural/ commercial, remodel or retrofit existing frame-ins.

OUARTZ SERIES

Tunable White and Tunable Wattage LED Downlights

Apertures: 4", 6" and 8" Lumen Output: 500lm to 2900lm Dedicated or Retrofit: Retrofit

Quartz Series is an architectural and commercial grade LED high lumen downlight. Each luminaire includes two

tunable switches; Tunable Wattage allows the end user to determine the lumen output & Tunable White allows for selectable kelvin temperature. Producing up to 2900lm in 3000K, 3500K or 4000K in 4", 6" or 8" apertures. Snap-in reflectors allow for in-field adjustment and customization. Easily upgrade old commercial and architectural fixtures to LED technology with Quartz's pre-wired junction box.

MARQUISE SERIES

IC Rated Commercial & High-End Residential LED

Apertures: 4", 5" and 6" Lumen Output: 850lm to 2500lm

Dedicated or Retrofit: Dedicated and 5" or 6" Retrofit

Commercial and high-end residential ICAT series that utilizes the same two LED packages as the Sapphire Series. Available in 4", 5" & 6" apertures up to 2500 lumen packages in 2700K, 3000K, 3500K, 4000K or Comfort Dim technology. Variety of adjustable reflectors, square, slope and baffles. Housings include new construction, remodel, slope or retrofit existing housings.

IOLITE SERIES

Small Aperture LED Downlighting

Apertures: 1", 2" and 4" Lumen Output: 600lm to 2500lm

Dedicated or Retrofit: Dedicated and 4" Retrofit

Small aperture specification downlights available in 1", 2" and 4" apertures. Featuring Cree® COB technology with field adjustable beam spreads and a variety of square and round reflectors. lolite Series produces up to 2500 lumens in 2700K, 3000K, 3500K, 4000K, 5000K or Comfort Dim technology. Also 2" and 4" apertures are available in trimless, for a clean knife edge look. Housings include new construction, remodel or retrofit existing housings.

iPOINT SERIES

LED Monopoint

Apertures: 1" and 2" Lumen Output: 750lm to 1200lm **Dedicated or Retrofit:** Dedicated

iPOINT Monopoint Series utilizes lolite housings to create a small sleek package producing up to 1200 lumens in 2700K, 3000K or 4000K. Compatible with 1" and 2" lolite housings and incorporates COB LED technology.



Aperture: 4" Lumen Output: 1000lm

4" Specification LED downlights are a quality solution for easy retrofitting in residential and light commercial applications. Featuring Cree® COB technology with field adjustable beam spreads and a variety of square and round reflectors. Pearl Series produces up to 1000 lumens in 2700K, 3000K, 3500K, 4000K or Comfort Dim technology. Integral dimmable driver controls the luminaire with Triac or ELV protocols.

COBALT SERIES

Commercial and Residential LED Downlights

Apertures: 4", 5" and 6" Lumen Output: 750lm to 2000lm

Dedicated or Retrofit: Dedicated and Retrofit

Cobalt Series consist of retrofit and dedicated 4", 5" & 6" reflectors providing up to 2000 lumens in 2700K, 3000K, 3500K, 4000K or Comfort Dim technology. Cobalt series features Cree® COB throughout the entire family, for a consistent appearance throughout. Series now includes a shallow 2-5/8" housing, adjustable reflectors, adjustable elbow, high lumen and variety of retrofit reflectors.

ONYX SERIES

Light Commercial and Residential LED Downlights

Apertures: 4", 5"/6" and 6" Lumen Output: 650lm to 1200lm Dedicated or Retrofit: Retrofit

Onyx Series features a variety of LED technology

(AC, Tunable White and Standard DC) with an economical quality solution to LED Retrofit downlighting. Deep-set optics produce visual comfort in 4" and 5"/6" apertures. The Onyx produces 90+ CRI for true vibrant color rendition. Producing up to 1200 lumens in 2700K, 3000K, 3500K, 4000K and 5000K. Reflector styles include adjustable, baffle, square and open reflectors that are compatible with Nora's dedicated LED housings to meet energy rebate requirements, as well as Nora's medium base housings and housings by others.





CANLESS RECESSED

SURFACE MOUNTS





Aperture: 1"

Lumen Output: 100lm Dedicated or Retrofit: Dedicated

M1 miniature IC rated recessed series features quality and convenience with easy installation for indoor & outdoor applications. Luminaires include four plastic downlight trims, three optics and 6" quick connect. Series is available in four color temperatures (2700K, 3000K, 3500K or 4000K) and requires a 12VDC driver.

M2 SERIES

2" LED Recessed

Aperture: 2"

Lumen Output: 400lm to 850lm Dedicated or Retrofit: Dedicated

M2 recessed downlights do not require any housings, which makes installation easy. Simply cut the ceiling, wire the junction box and insert the luminaire in the ceiling cavity. IC rated luminaires are available in downlight or adjustable gimbal trims in round or square. Delivering up to 850 lumens in 2700K or 3000K at 90+ CRI. A multiple lighting system can be created with an optional two head or three head regressed trim.

E-SERIES FLIN

Tunable White LED Recessed

Apertures: 4" and 6"
Lumen Output: 600lm or 800lm
Dedicated or Retrofit: Dedicated

E-Series FLIN features Tunable White LEDs, that allow the end user to select the color temperature from 2700K, 3000K or 3500K. Economical IC Air-Tight LED lighting for remodel or new construction applications. FLIN requires less than 2" ceiling clearance and no housing is required! Delivering up to 800 lumens with a 6" or 600 lumens with a 4" luminaire. Luminaires feature a regressed lens and sharp baffle for reduced aperture brightness.

SURF SERIES

LED Surface Mount

Sizes: 4", 6" and 7"

Lumen Output: 650lm to 1000lm Surface or Retrofit: Surface only

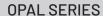
SURF Series is a superior solution for minimalistic surface mounted lighting. The unique light guide and embedded honeycomb lens provides comfortable glare free lighting not found in other surface mounts. Sizes include 4", 6" and 7" in round or square with sharp corners and regressed baffle, the SURF provides an architectural look for general lighting applications. Producing up to 1000 lumens in 2700K, 3000K, 3500K, 4000K or 5000K.

ELO SERIES

Dedicated CCT LED Surface or Recessed Mount

Sizes: 6", 8", 11" and 16" Lumen Output: 700Im to 2200Im Surface or Retrofit: Both

ELO Series luminaires are designed to surface mount over a a standard or fire rated junction boxes, and is suitable for use with a 5" or 6" recessed housing by Nora or others. Sizes include 6", 8", 11" or 16" round luminaires in 2700K, 3000K, 3500K, 4000K or 5000K. ELO+ fixtures include an integral magnet that allows for an optional finished ring to attach seamlessly.



LED Surface or Recessed Mount



Sizes: 4", 6", 7" and 8"
Lumen Output: 650lm to 2000lm
Surface or Retrofit: Both

Opal Series luminaires are designed to surface mount over a standard or fire rated junction boxes, and is suitable for use with a 5" or 6" recessed housing by Nora or others. The Opal produces even illumination with no diode image, from bright to dim. The low profile unit is cULus wet listed and produces up to 2000 lumens at 90+ CRI. Opal Series is available in 4", 6", 7" with motion sensor or 8" in three finishes and AC without any driver. Opal is an excellent energy efficient lighting solution for laundry rooms, closets, pantries, hallways and showers in residential and commercial retrofit or new construction applications.



Comparison of LED Recessed Series











		M1	M2	lolite	FLIN	Onyx
	Aperture	1"	2"	1", 2" and 4"	4" and 6"	4", 5" and 6"
щ	Lumens	100lm	400lm to 850lm	600lm to 2500lm	600lm to 800lm	650lm to 1200lm
PERFORMANCE	ССТ	2700K, 3000K, 3500K, 4000K	2700K, 3000K, 3500K, 4000K	2700K, 3000K, 3500K, 4000K, 5000K, Comfort Dim	Selectable CCT (2700K, 3000K, 3500K)	2700K, 3000K, 3500K, 4000K, 5000K
PERF	Input Voltage	12V	120V	120V/277V	120V or 120-277V	120V
	Dimming	Specified by driver	Triac or ELV	Triac, ELV, 0-10V, Lutron EcoSystem	Triac or ELV	Triac or ELV
TION	Installation Type	Canless (No Housing)	Canless (No Housing)	New Construction or Remodel	Canless (No Housing)	Retrofit
APPLICATION	Rating	IC Rated	IC Air-Tight	IC Air-Tight	IC Air-Tight	Specified by housing
AP	Listing	Wet Location	Damp or Wet	Damp or Wet	Wet	Damp or Wet
CUSTOMIZATION	Beam Spread	Field Changeable (Four Included)	Fixed (Elbow includes two optics)	Field Changeable (Three Included)	Fixed	Fixed
CUSTOM	Accessory	Trims, Mounting, Cables	Trims, Mounting, Cables	Snoots, Collars, TIR optics,	New Construction Frame, Cables	Reflector Inserts, Oversize Rings

Comparison of LED Surface Mounts



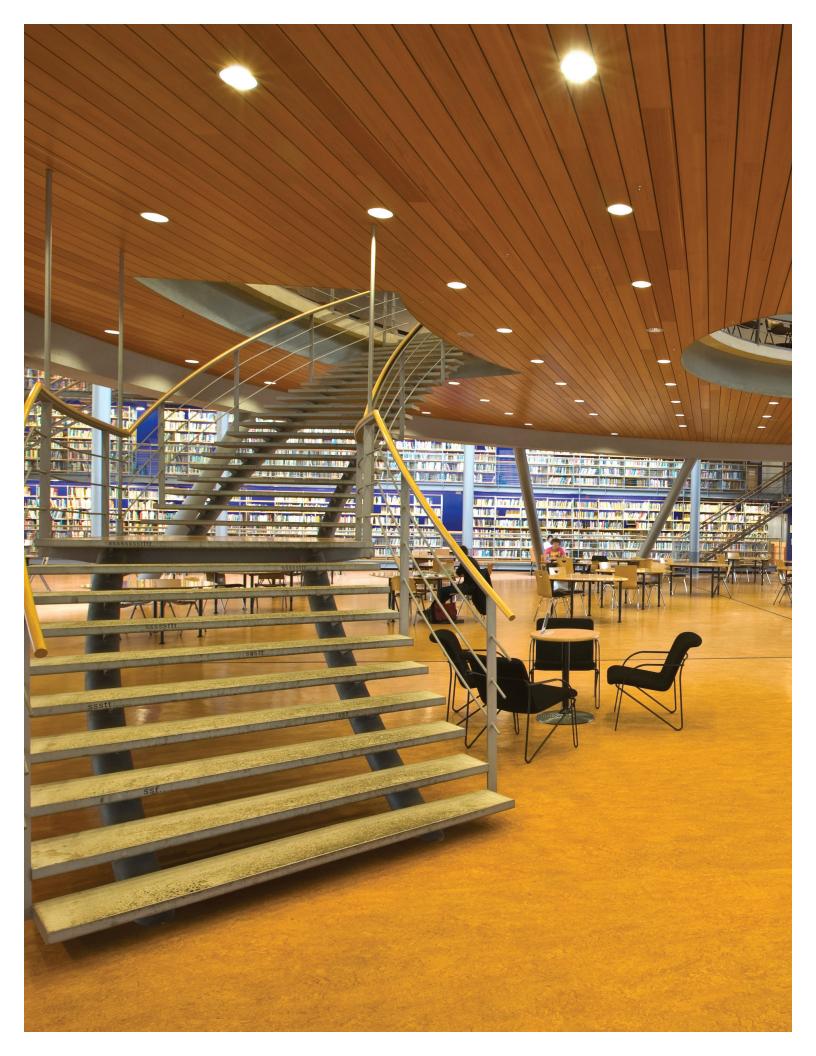
		PERFORMANCE				
	Size	Lumens	ССТ	Input Voltage	Dimming	
Opal	4", 6", 7" and 8"	700lm to 2000lm	2700K, 3000K, 4000K, 5000K	120V	Triac or ELV	
SURF	4", 6" and 7"	1000lm	2700K, 3000K, 3500K, 4000K, 5000K	120V	Triac or ELV	
ELO	6", 8", 11" and 16"	700lm to 2200lm	2700K, 3000K, 3500K, 4000K, 5000K	120V	Triac or ELV	



		Cobalt	Pearl	Marquise	Quartz	Sapphire
	Aperture	4", 5" and 6"	4"	4", 5" and 6"	4", 6" and 8"	4", 6" and 8"
щ	Lumens	750lm to 2000lm	1000lm	850lm to 2500lm	500lm to 2900lm	600lm to 800lm
PERFORMANCE	ССТ	2700K, 3000K, 3500K, 4000K, Comfort Dim	2700K, 3000K, 3500K, 4000K, Comfort Dim	2700K, 3000K, 3500K, 4000K, Comfort Dim	Selectable CCT (2700K, 3000K, 3500K)	2700K, 3000K, 3500K, 4000K, Comfort Dim
PERF	Input Voltage	120V or 120V/277V	120V	120V/277V	120-277V	New Const. or Remodel
	Dimming	Triac, ELV or 0-10V	Triac or ELV	Triac, ELV or 0-10V	0-10V	Triac, ELV or 0-10V
TION	Installation Type	Retrofit, New Construction or Remodel	Retrofit	New Construction or Remodel	Canless (No Housing)	Frame-In or Remodel
APPLICATION	Rating	Specified by housing	Specified by housing	Non-IC or IC	Non-IC	Non-IC
AP	Listing	Damp or Wet	Damp or Wet	Damp or Wet	Wet	Wet
IZATION	Beam Spread	Fixed (Adjustable includes two optics)	Field Changeable (Three Included)	Fixed or Specifiable Beam Spread	Fixed	Fixed or Specifiable Beam Spread
CUSTOMIZATION	Accessory	TIR optics, Decorative Rings	Snoots, Collars, TIR optics,	N/A	Reflector Inserts, New Construction Frame	N/A



			APPLICATION			IZATION
		Installation Type	Rating	Listing	Features	Accessory
0	pal	Surface Mount or Retrofit	Suitable for Closets	Wet	Title 24, Regressed, Motion Sensor	Retrofit Kit
SI	URF	Surface Mount	Suitable for Closets	Wet	Regressed Light Guide, Title 24	N/A
Ε	LO	Surface Mount, Retrofit or Pendant	Suitable for Closets	Damp	Decorative Rings, Title 24	Retrofit Kit, Decorative Rings







Black Reflector Self Flanged



Black Reflector White Flange



Clear Diffused Self Flanged

Clear Diffused

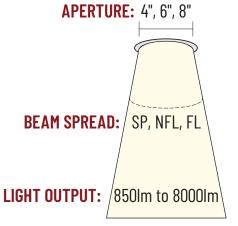




Haze Reflector

White Reflector Self Flanged

White Flange



COLOR TEMPERATURE: (2700K) (3000K) (3500K) (4000K) (0MFOR













Architectural and Commercial LED Series

A high efficiency commercial series available with two different LED packages (Cree TrueWhite® or Cree COB). Sizes includes 4", 6" & 8" apertures up to 8000 lumen packages in 2700K, 3000K, 3500K, 4000K or Comfort Dim technology. Featuring deep cone open reflectors, adjustable, wall wash or decorative glasses reflectors. Frame-in options include universal architectural/ commercial, remodel or retrofit existing frame-ins.

APPLICATION:	Architectural and Commercial	
INSTALLATION:	New Construction, Remodel, Retrofit	
APERTURES:	4", 6" and 8"	
LUMENS:	850lm to 8000lm (non-adjustable) 900lm to 3500lm (adjustable)	
COLOR TEMP.:	2700K, 3000K, 3500K, 4000K, Comfort Dim	
DIMMING:	Triac, ELV or 0-10V	
LISTINGS:	cULus listed for wet locations (adjustable is damp) ENERGY STAR certified	



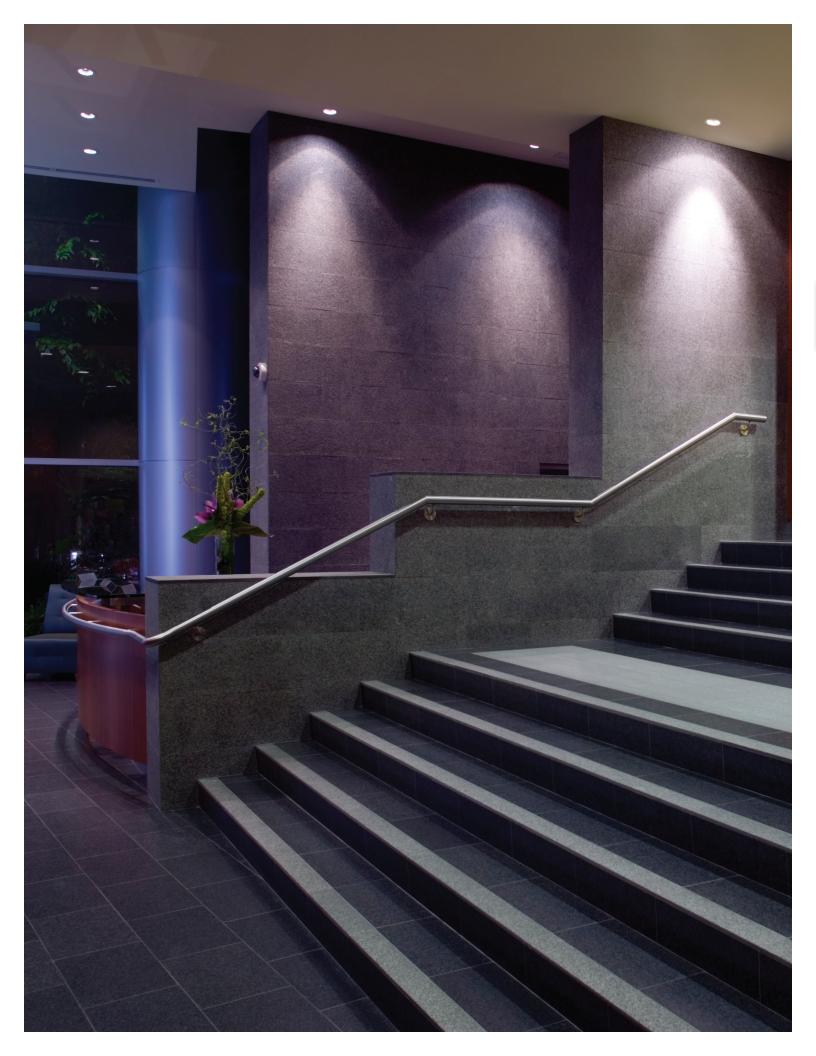














Shown with Clear Diffused Reflector Shown with Specular Clear Reflector Shown with Haze Reflector

APERTURE: 4", 6", 8" **BEAM SPREAD:** WIDE FLOOD **LIGHT OUTPUT:** /500lm to 2900lm

COLOR TEMPERATURE: (3000K) (3500K) (4000K)



QUARTZ SERIES

LED Tunable White and Tunable Wattage

Quartz Series is an architectural and commercial grade LED high lumen downlight. Each luminaire includes two tunable switches; Tunable Wattage allows the end user to determine the lumen output & Tunable White allows for selectable kelvin temperature. Producing up to 2900lm in 3000K, 3500K or 4000K in 4", 6" or 8" $\,$ apertures. Snap-in reflectors allow for in-field adjustment and customization. Easily upgrade old commercial and architectural fixtures to LED technology with Quartz's included pre-wired junction box.

APPLICATION:	Architectural and Commercial
INSTALLATION:	New Construction, Remodel, Retrofit
APERTURES:	4", 6" and 8"
LUMENS:	Field Selectable - 4" (1200lm to 500lm), 6" (2100lm to 900lm), 8" (2900lm to 1700lm)
COLOR TEMP.:	Field Selectable (3000K, 3500K, 4000K)
DIMMING:	0-10V
LISTINGS:	cULus listed for wet locations ENERGY STAR certified

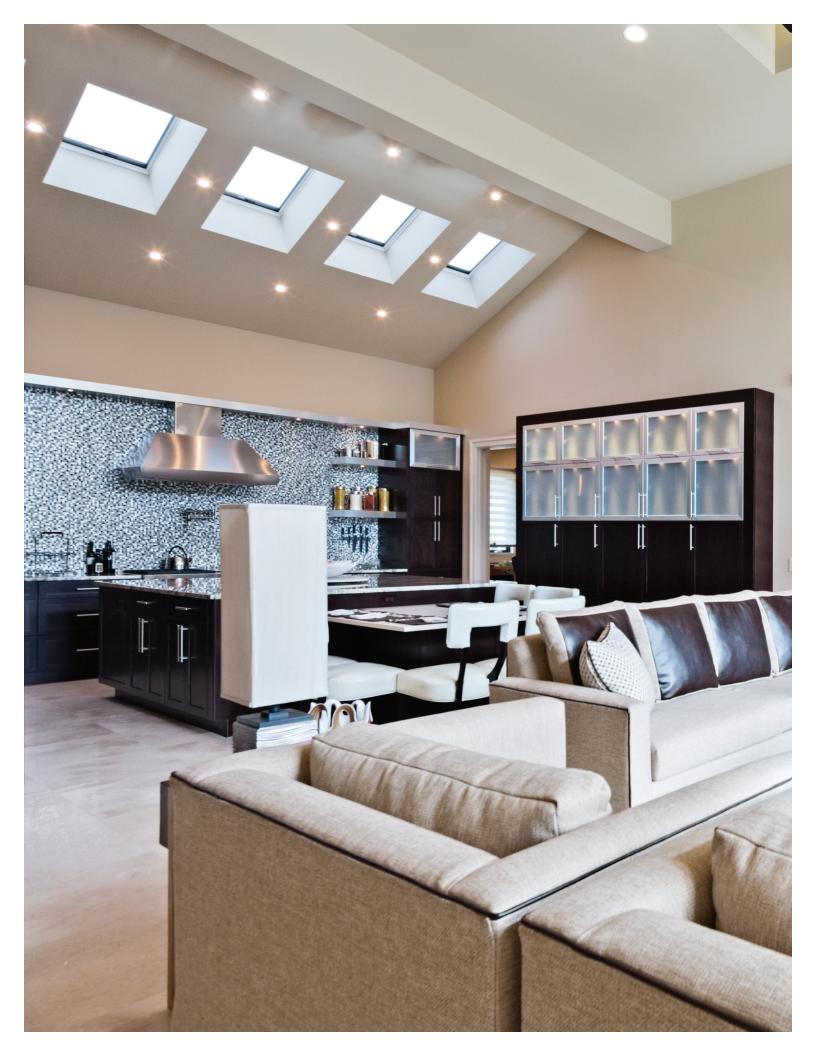




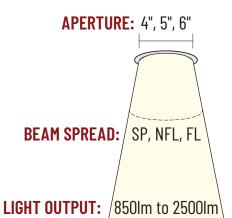












COLOR TEMPERATURE: (2700K) (3000K) (3500K) (4000K) (0MFOR

Bronze Reflector

Copper Reflector Copper Flange

Bronze Flange

Specular Clear

Diffused Clear Diffused Flange

White Flange

Diffused Clear

Haze Reflector Haze Flange

Black Reflector

Black Reflector White Flange

Black Flange















Matte Powder White White Reflector Matte Powder White White Flange

MARQUISE I & II

Architectural and Commercial LED Series

Commercial and high-end residential ICAT series that utilizes the same two LED packages as the Sapphire Series. Available in 4", 5" & 6" apertures up to 2500 lumen packages in 2700K, 3000K, 3500K, 4000K or Comfort Dim technology. Variety of adjustable reflectors, square, slope and baffles. Housings include new construction, remodel, slope or retrofit existing housings.

APPLICATION:	Commercial and High-End Residential
INSTALLATION:	New Construction, Remodel, Retrofit, Sloped Ceiling
APERTURES:	4", 5" and 6"
LUMENS:	850lm to 2500lm
COLOR TEMP.:	2700K, 3000K, 3500K, 4000K, Comfort Dim
DIMMING:	Triac, ELV or 0-10V
LISTINGS:	cULus listed for wet locations (adjustable is damp) ENERGY STAR certified Certified to requirements of CA Title 24 JA8-2019



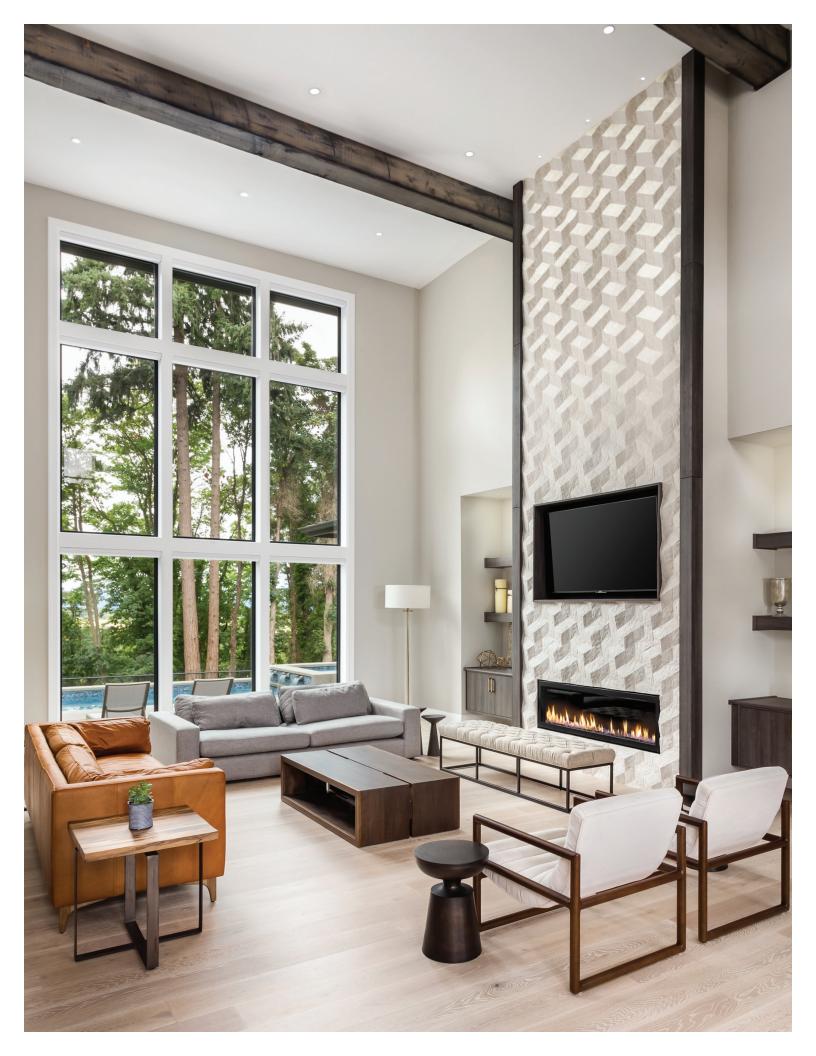


















Iolite New Construction Housing

Construction Housing









NHRIOIC-28 2" Iolite Remodel Housing

NHRIOIC-48 4" Iolite Remodel Housing

NIO-4RNDC 4" Round Reflector

NIOB-2SC 2" Square Adjustable Cone

NIO-1RNG 1" Round Reflector

WHITE

NIOB-1SNB 1" Square Bullnose













Flanged

Black Reflector Black Flange



Haze Reflector

White Flange











White Reflector White Flange

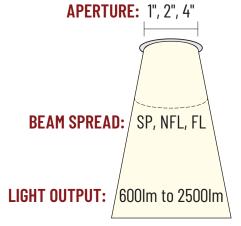
NHRIOIC-16 1" Iolite Remodel Housing

IOLITE SERIES

Small Aperture LED Specification Downlights

Small aperture specification downlights available in 1", 2" and 4" apertures. Featuring Cree® COB technology with field adjustable beam spreads and a variety of square and round reflectors. Iolite Series produces up to 2500 lumens in 2700K, 3000K, 3500K, 4000K, 5000K or Comfort Dim technology. Also 2" and 4" apertures are available in trimless, for a clean knife edge look. Housings include new construction, remodel or retrofit existing housings.

APPLICATION:	Architectural, Commercial and High-End Residential
INSTALLATION:	New Construction, Remodel, Retrofit, Trimless
APERTURES:	1", 2" and 4"
LUMENS:	600lm to 2500lm
COLOR TEMP.:	2700K, 3000K, 3500K, 4000K, 5000K, Comfort Dim
DIMMING:	Triac, ELV, 0-10V or Lutron EcoSystem
LISTINGS:	cULus listed for wet locations (adjustable is damp) ENERGY STAR certified Certified to requirements of CA Title 24 JA8-2019















COLOR TEMPERATURE: (2700K) (3000K) (3500K) (4000K) (5000K)



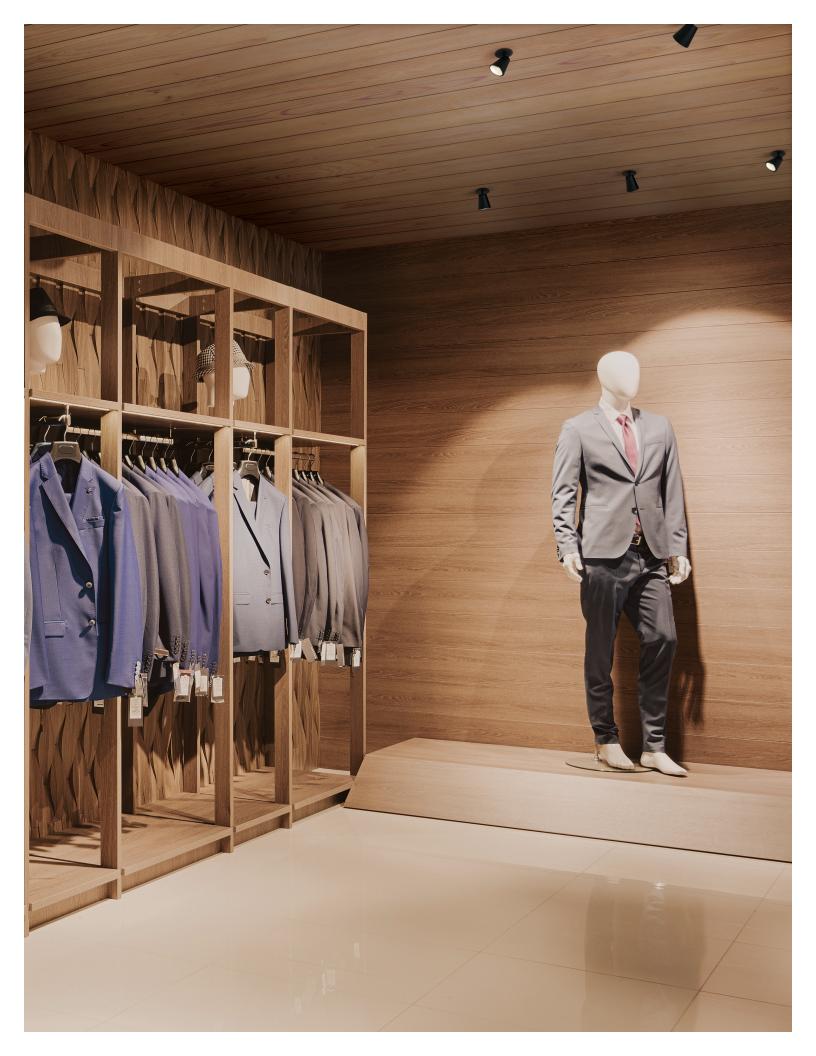














iPOINT SERIES

1" Cylinder

Adjustable LED Monopoints

iPOINT luminaires maintain a minimal appearance without the need for a 5" canopy. An lolite recessed housing allows the fixtures to produce up to 1200 lumens in three kelvin temperatures (2700K, 3000K or 4000K). Similar to lolite reflectors, each iPOINT includes spot, narrow flood and flood optics in Cylinder or Cone styles. Luminaires can be dimmed with Triac, ELV, 0-10V or Lutron Hi-lume EcoSystem.

2" Cylinder

APPLICATION:	Architectural, Commercial and High-End Residential
INSTALLATION:	New Construction and Remodel
APERTURES:	1" and 2"
LUMENS:	750lm to 1200lm
COLOR TEMP.:	2700K, 3000K, 4000K
DIMMING:	Triac, ELV, 0-10V or Lutron EcoSystem
LISTINGS:	cULus listed for damp locations ENERGY STAR certified Certified to requirements of CA Title 24 JA8-2019
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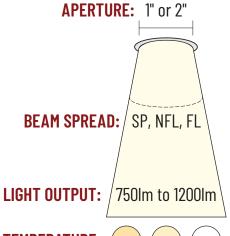














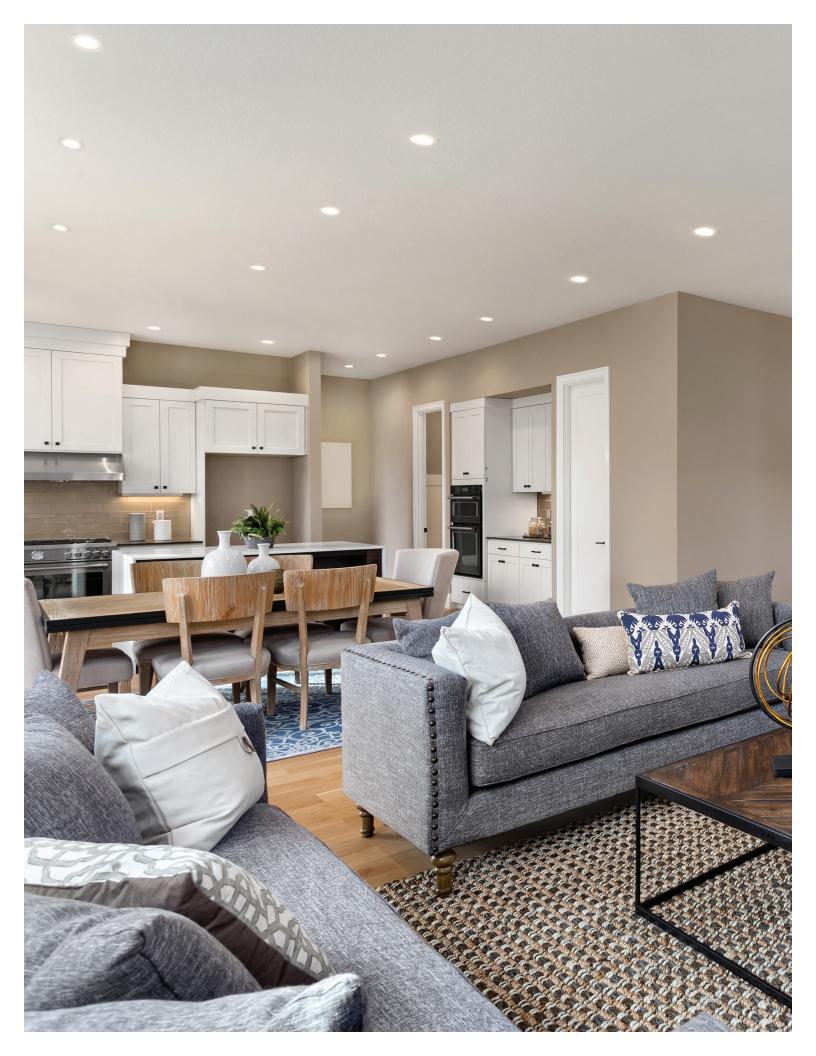
1" Cone





2" Cone







BEAM SPREAD: SP, NFL, FL LIGHT OUTPUT: 800lm or 1000lm

Haze Reflector Matte Powder White Natural Metal Matte Powder White Matte Powder White Natural Metal

COLOR TEMPERATURE: (2700K) (3000K) (3500K) (4000K)



White Reflector

White Flange

PEARL SERIES

LED Retrofit Downlights

Pearl LED Retrofit luminaires are the high-end, quality solution for easy LED retrofitting in residential and light commercial applications. With a maximum height of just 4-1/2", luminaires can be retrofitted in most 4" IC and non-IC housings—including shallow! Available in a beautiful array of fixed and adjustable styles in ten finishes, each Pearl includes three field changeable optics for maximum design control. Optional accessories can further customize the fixtures.

APPLICATION:	Commercial and Residential	
INSTALLATION:	Retrofit	
APERTURE:	4"	
LUMENS:	800lm or 1000lm	
COLOR TEMP.:	2700K, 3000K, 3500K, 4000K, Comfort Dim	
DIMMING:	Triac or ELV	
LISTINGS:	cULus classified for wet locations (adjustable is damp) ENERGY STAR certified Certified to requirements of CA Title 24 JA8-2019	







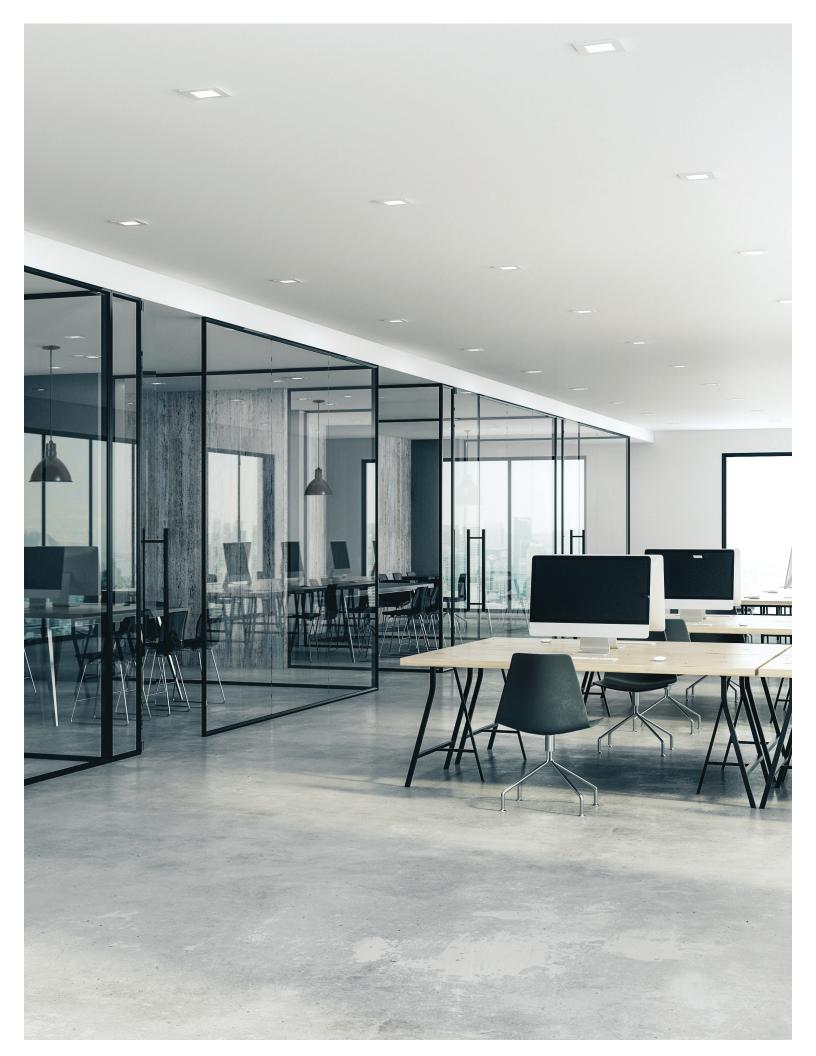






Haze Reflector

White Flange







Black Reflector Black Flange Black Reflector White Flange



Haze Reflector



Haze Reflector









Diffused Clear White Flange

White Reflector

APERTURE:



6"

BEAM SPREAD: WIDE FLOOD **LIGHT OUTPUT:** /1500lm or 2000lm

COLOR TEMPERATURE: (2700K) (3000K) (3500K) (4000K)







COBALT HIGH LUMEN

Commercial and Residential LED Downlights

Commercial and residential dedicated LED series utilizing the same reflectors and color consistency as the Cobalt Retrofit Series. Delivering 1500 or 2000 lumens in 2700K, 3000K, 3500K or 4000K. Variety of round and square reflectors in ten finishes. Housings include IC Air-Tight new construction, Non-IC or remodel with emergency options.

APPLICATION:	Architectural, Commercial and High-End Residential	
INSTALLATION:	New Construction and Remodel	
APERTURE:	6"	
LUMENS:	1500lm or 2000lm	
COLOR TEMP.:	2700K, 3000K, 3500K, 4000K	
DIMMING:	Triac, ELV or 0-10V	
LISTINGS:	cULus listed for wet locations ENERGY STAR certified Certified to requirements of CA Title 24.1A8-2019	



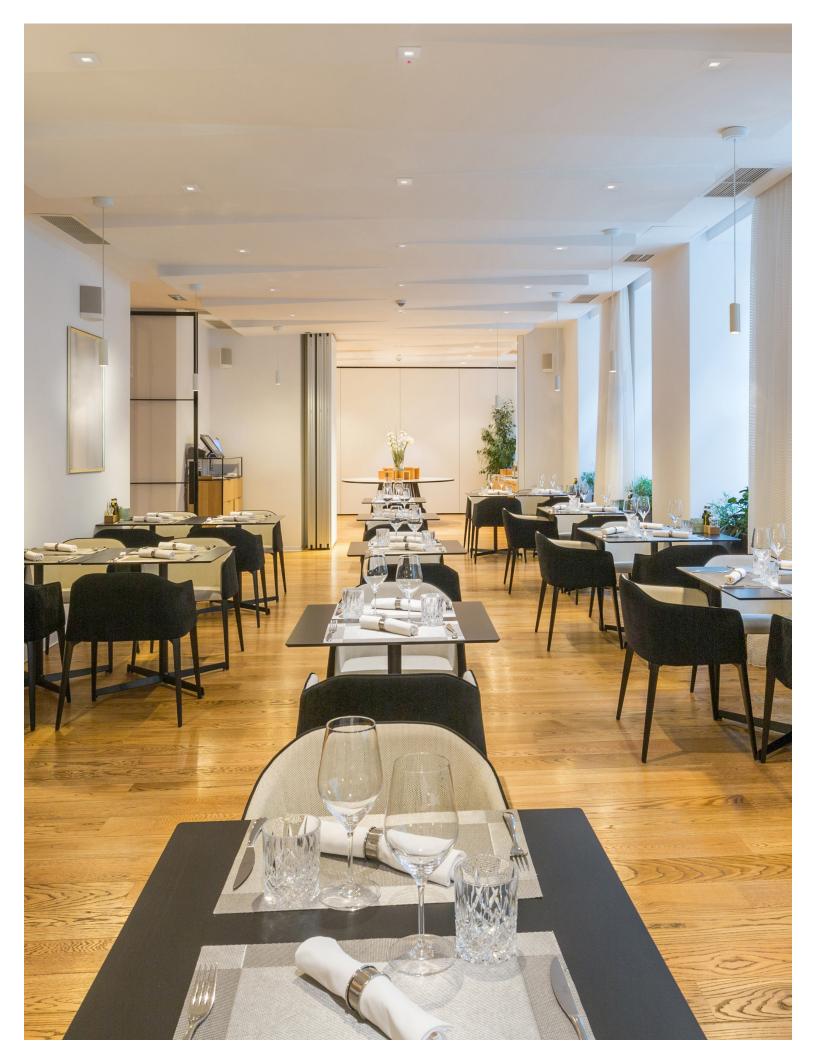


















Retrofit into existing or new housings



Optional Emergency Wiring & 0-10V dimming!



Black Reflector Black Flange



Haze Reflector



Haze Reflector

Black Reflector White Flange









White Reflector

COBALT CLICK

NLCBC2-553 5" Square Reflector with Round Aperture

LED Retrofit Downlights

Cobalt Click LED Retrofit reflectors allow the end user over 300 combinations with "Click" feature. Reflectors can easily be changed with a "click" and deliver 750 or 1000 lumens in 2700K, 3000K, 3500K, 4000K or Comfort Dim technology. Luminaires can be retrofitted in most housings—including shallow! Specification grade options include 0-10V dimming, 277V input or Emergency options.

APPLICATION:	Light Commercial and Residential
INSTALLATION:	Retrofit
APERTURES:	4", 5" and 6"
LUMENS:	750lm or 1000lm
COLOR TEMP.:	2700K, 3000K, 3500K, 4000K, Comfort Dim
DIMMING:	Triac, ELV or 0-10V
LISTINGS:	cULus classified for wet locations ENERGY STAR certified Certified to requirements of CA Title 24 JA8-2019

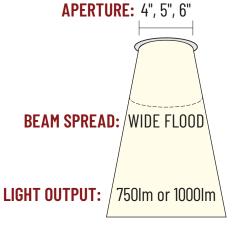












COLOR TEMPERATURE: (2700K) (3000K) (3500K) (4000K) (000FOR

















NHSIC-4 Series Shallow IC Air-Tight Housing



Patented driver compartment

Compartment easily slides to allow access from below the ceiling



NLCBS-453 4" Square Reflector with Round Aperture

NLCBS-456 4" Square Reflector with Square Aperture



NLCBS-4W52 4" Round Baffle



NLCBS-4W51 4" Round Reflector



Black Reflector



Haze Reflector Haze Reflector Matte Powder White White Flange



Black Reflector





Matte Powder White Natural Metal Matte Powder White Natural Metal



Diffused Clear Diffused Clea Matte Powder White White Flange





Diffused Clear



White Reflector White Flange

APERTURE:

LIGHT OUTPUT:

850lm or 1250lm

COLOR TEMPERATURE: (2700K) (3000K) (3500K) (4000K)



BEAM SPREAD: WIDE FLOOD





COBALT SHALLOW

Residential LED Downlights

Commercial and residential dedicated LED series utilizing the same reflectors and color consistency as the Cobalt Retrofit Series. Delivering 1500 or 2000 lumens in 2700K, 3000K, 3500K or 4000K. Variety of round and square reflectors in ten finishes. Housings include IC Air-Tight new construction, Non-IC or remodel with emergency options.

APPLICATION:	Architectural, Commercial and High-End Residential
INSTALLATION:	New Construction
APERTURE:	4"
LUMENS:	1500lm or 2000lm
COLOR TEMP.:	2700K, 3000K, 3500K, 4000K
DIMMING:	Triac, ELV or 0-10V
LISTINGS:	cULus listed for wet locations ENERGY STAR certified Certified to requirements of CA Title 24 JA8-2019



















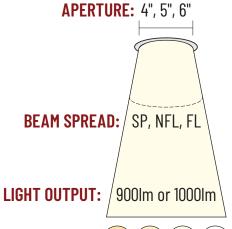


housing aperture.





Matte Powder White Matte Powder White



COLOR TEMPERATURE: (2700K) (3000K) (3500K) (4000K)



COBALT ADJUSTABLE

LED Retrofit Downlights

Cobalt Adjustable LED Retrofit reflectors allow the end user to rotate and aim luminaires in desired direction. Delivering up to 1000 lumens in 2700K, 3000K, 3500K or 4000K. Luminaires can be retrofitted in most housings—including shallow! Specification grade options include 0-10V dimming, 277V input or Emergency options. Premium TIR optics are also available for precise beam control.

APPLICATION:	Light Commercial and Residential
INSTALLATION:	Retrofit
APERTURES:	4", 5" and 6"
LUMENS:	900lm or 1000lm
COLOR TEMP.:	2700K, 3000K, 3500K, 4000K
DIMMING:	Triac, ELV or 0-10V
LISTINGS:	cULus classified for damp locations ENERGY STAR certified Certified to requirements of CA Title 24 JA8-2019



































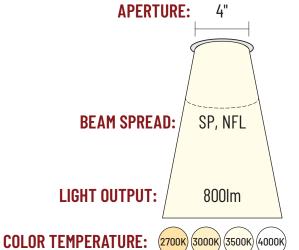
Natural Metal

COBALT ELBOW

LED Retrofit Downlights

Cobalt Elbow LED Retrofit luminaires allow the end user to rotate and aim luminaires in desired direction. Delivering over 800 lumens in 2700K, 3000K, 3500K or 4000K. Luminaires include $27^{\rm o}$ spot and $48^{\rm o}$ narrow flood optics for precise beam control. Elbow tilts out to 75° and can be rotated up to 358° to aim in almost any direction desired.

APPLICATION:	Architectural, Commercial and Residential
INSTALLATION:	Retrofit
APERTURE:	4"
LUMENS:	800lm
COLOR TEMP.:	2700K, 3000K, 3500K, 4000K
DIMMING:	Triac or ELV
LISTINGS:	cULus classified for damp locations Certified to requirements of CA Title 24 JA8-2019





















Shown with Haze Reflector (AC or TW only)

Shown with Black Reflector (AC or TW only)









ONYX SERIES

LED Retrofit Downlights

Onyx LED Retrofits are available in square, adjustable, selectable CCT or AC luminaire without a driver. Tunable White (selectable CCT) allows the end user to select from 5 CCT options, and AC luminaires are dedicated in 2700K, 3000K, 3500K, 4000K or 5000K. 5"/6" retrofits can be installed in existing 5" \underline{or} 6" recesed housings. AC and Tunable White Open Reflectors accept baffle and reflector inserts to customize each reflector appearance.

APPLICATION:	Light Commercial and Residential
INSTALLATION:	Retrofit
APERTURES:	4", 5" and 6"
LUMENS:	650lm to 1200lm
COLOR TEMP.:	2700K, 3000K, 3500K, 4000K, 5000K
DIMMING:	Triac or ELV
LISTINGS:	cULus classified for wet locations (adjustable is damp) ENERGY STAR certified Certified to requirements of CA Title 24 JA8-2019

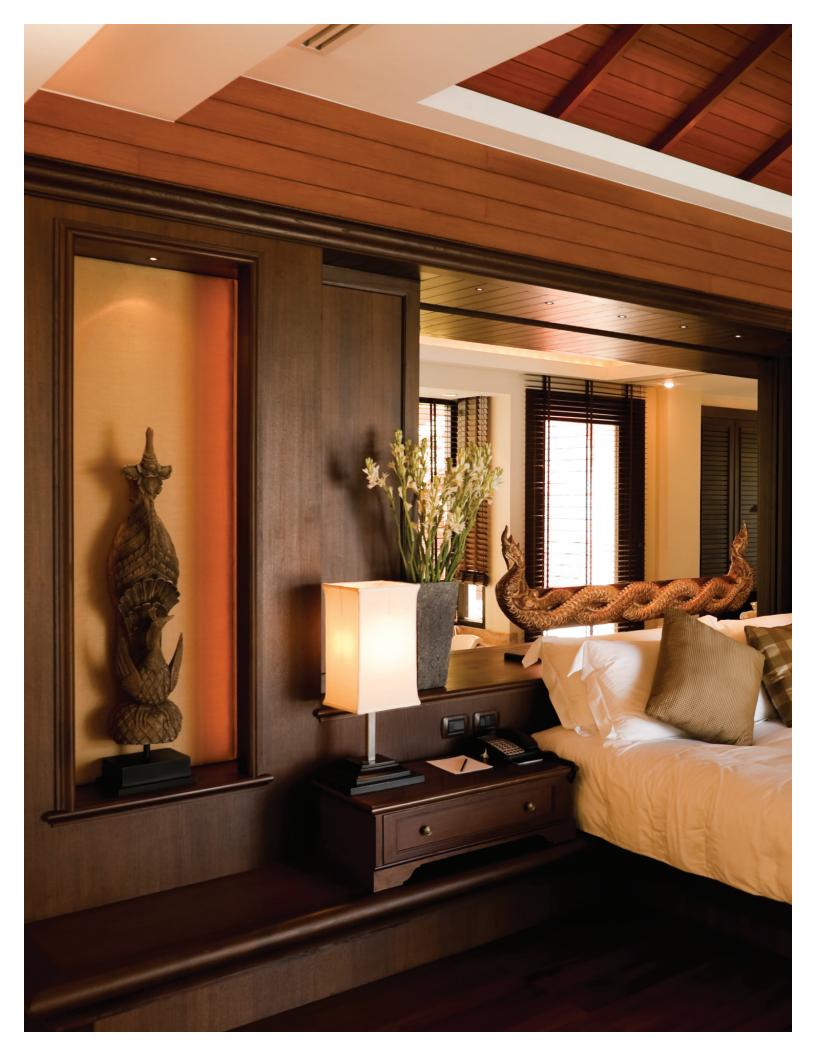














NM1-170 1" M1 LED Downlight (includes four plastic trims)



NM1-RSS Round Stainless Trim



NM1-SSS Square Stainless Trim



NM1-RSSD Round Indicator Trim



NM1-RAEYELID Round Scoop Trim



NM1-RLOUV Round Louver Trim



NM1-RAIHEC Round Hexcell Louver Trim









1" Canless LED Miniature Downlight

M1 miniature recessed series features quality and convenience with easy installation for indoor and outdoor applications. LED luminaires include four plastic downlight trims, four optics and 6" quick connect for 12V driver. Series is available in 2700K, 3000K, 3500K or 4000K. No housing is required and can be installed in insulated ceilings. Field changeable optics and trims allow for each installation to be customized per application.

APPLICATION:	Light Commercial and Residential
INSTALLATION:	New Construction and Remodel
APERTURE:	1"
LUMENS:	100lm
COLOR TEMP.:	2700K, 3000K, 3500K, 4000K
DIMMING:	Triac or ELV (12V Driver required)
LISTINGS:	cETLus listed for wet locations (driver is damp) ENERGY STAR certified Certified to requirements of CA Title 24.1A8-2019

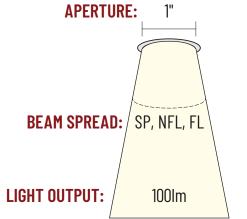












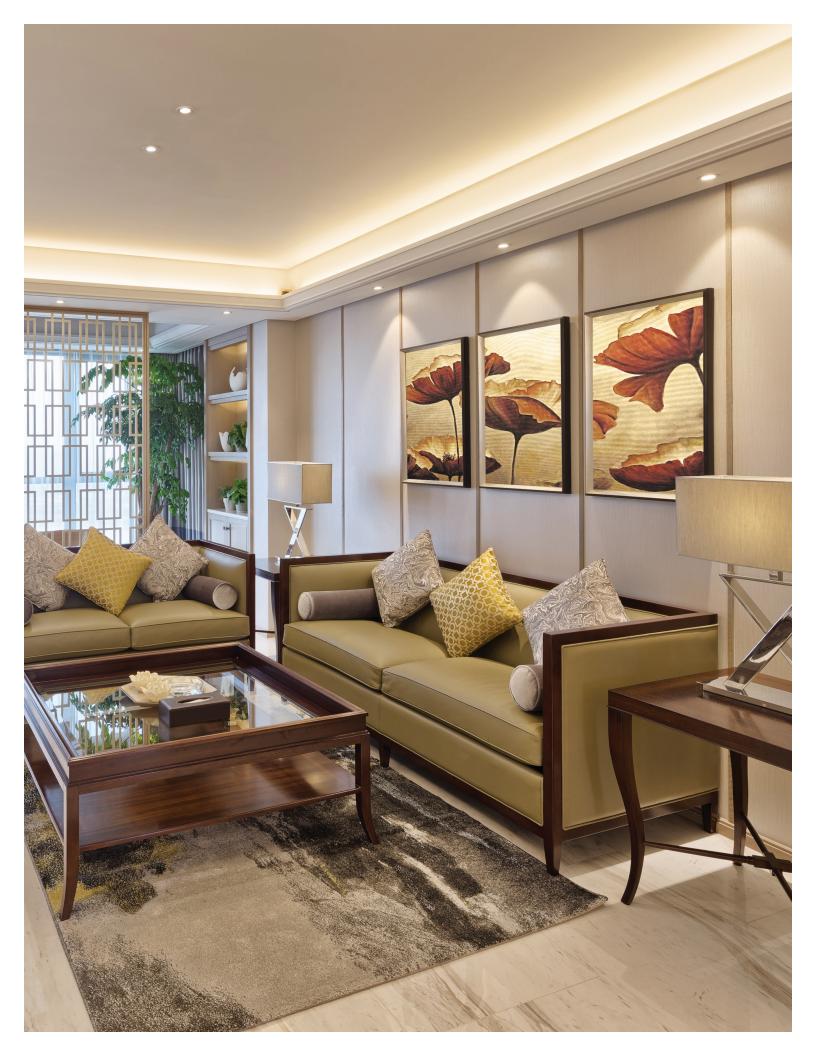
COLOR TEMPERATURE:





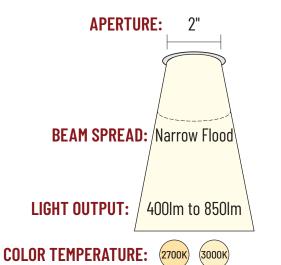












M2 SERIES

2" Canless LED Downlights

M2 Series of high quality miniature recessed LED downlights are ideal for remodel or new constructions in residential and light commercial applications. M2 luminaires require no housing, making installation easy. IC Air-Tight rated luminaires are available in round or square apertures in a variety of styles in matte powder white or black finish. A range of accessories allows customization to desired appearance. M2 luminaires deliver up to 850 lumens in 2700K or 3000K at 90+ CRI.

APPLICATION:	Light Commercial and Residential
INSTALLATION:	New Construction and Remodel
APERTURE:	2"
LUMENS:	400lm to 850lm
COLOR TEMP.:	2700K or 3000K
DIMMING:	Triac or ELV
LISTINGS:	cETLus listed for damp and wet locations ENERGY STAR certified Certified to requirements of CA Title 24 JA8-2019









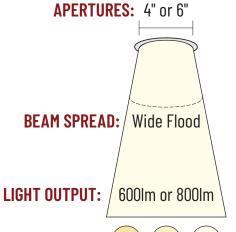






NEFLINTW-R680233MPW 6" E-Series FLIN





COLOR TEMPERATURE:





E-SERIES FLIN

Shallow Canless LED Downlights

E-Series FLIN LED downlights are thin at only 1-1/4" tall for remodel or new constructions in residential and light commercial applications. LED luminaires require no housing, making installation easy. IC Air-Tight rated luminaires deliver up to 800 lumens and include a field selectable CCT switch. Color temperature options include 2700K, 3000K or 3500K. Each luminaire includes a pre-wired junction box with dimmable LED driver.

APPLICATION:	Light Commercial and Residential
INSTALLATION:	New Construction and Remodel
APERTURES:	4" or 6"
LUMENS:	600lm or 800lm
COLOR TEMP.:	Field Selectable (2700K, 3000K, 3500K)
DIMMING:	Triac or ELV
LISTINGS:	cETLus listed for wet locations ENERGY STAR certified Certified to requirements of CA Title 24 JA8-2019

















NLOS-R42L 4" Round



7" Round



6" Square



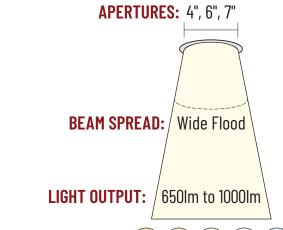
NLOS-S42L 4" Square



LED Surface Mounts

SURF LED Edge-Lit surface mount luminaires feature a regressed light guide with embedded honeycomb lens. Light guide provides comfortable glare free ligthing not found in other surface mount luminaires to resemble recessed lighting. Luminaires easy mount over a junction box and available in round or square sizes in 2700K, 3000K, 3500K, 4000K or 5000K.

APPLICATION:	Light Commercial and Residential
INSTALLATION:	New Construction and Remodel
APERTURES:	4", 6" and 7"
LUMENS:	650lm, 900lm or 1000lm
COLOR TEMP.:	2700K, 3000K, 3500K, 4000K, 5000K
DIMMING:	Triac or ELV
LISTINGS:	cULus listed for wet locations ENERGY STAR certified Certified to requirements of CA Title 24 JA8-2019 Suitable for use in closets
energy	c UL us ONET 24



COLOR TEMPERATURE: (2700K) (3000K) (3500K) (4000K) (5000K)

















APERTURES: 6", 8", 11", 16"

BEAM SPREAD: Wide Flood

LIGHT OUTPUT: 700lm to 2200lm

COLOR TEMPERATURE: (2700K) (3000K) (3500K) (4000K) (5000K)

LED Surface Mounts

ELO LED Surface mount luminaires are only 1/2" thick (16" is 1" thick) for a minimalst appearance. Luminaires can be surface mounted over a junction box or retrofit into recessed housings with a retrofit kit. Decorative rings easily change the finish to match any decor or hardware in the vicinity. Four sizes are available in 2700K, 3000K, 3500K, 4000K or 5000K.

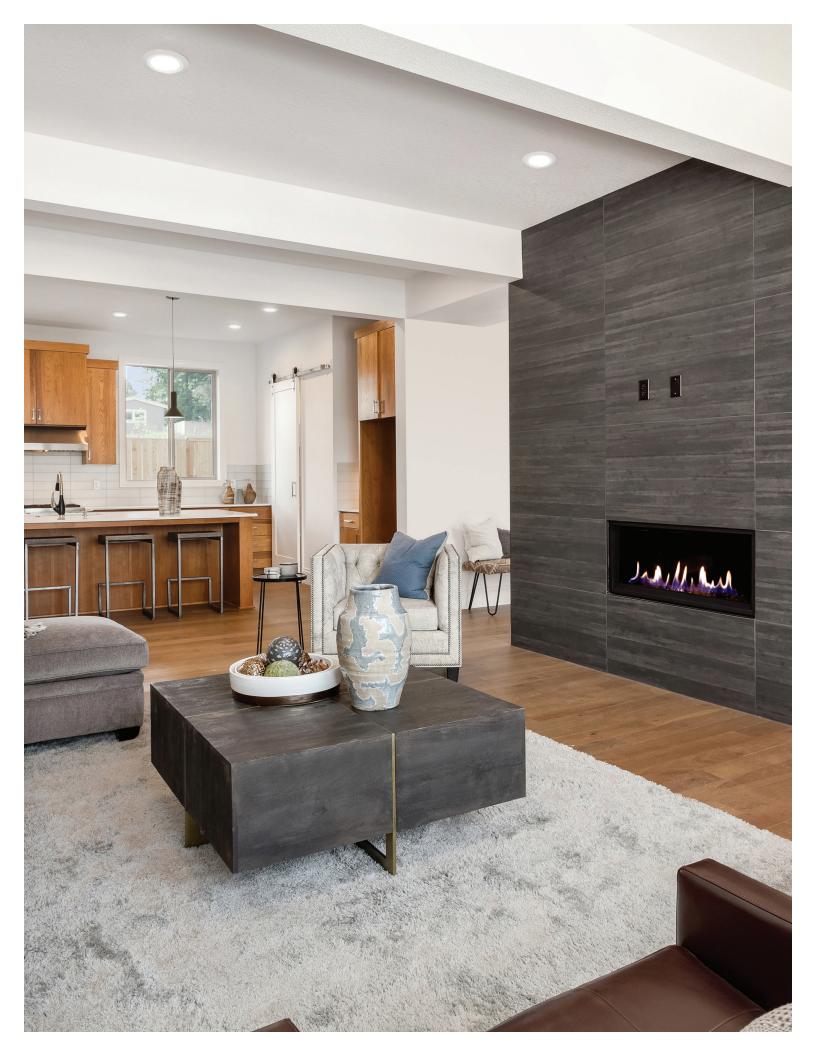
APPLICATION:	Light Commercial and Residential
INSTALLATION:	New Construction and Remodel
APERTURES:	6", 8",11" and 16"
LUMENS:	700lm, 1100lm, 1700lm or 2200lm
COLOR TEMP.:	2700K, 3000K, 3500K, 4000K, 5000K
DIMMING:	Triac or ELV
LISTINGS:	cETLus listed for damp locations ENERGY STAR certified Suitable for use in closets













OPAL

LED Surface Mounts

Opal LED luminaires are designed to surface mount over a junction box or retrofit over 5" and 6" housings with an accessory. Opal produces an even illumination with no diode image, from bright to dim. The low profile unit is available in four sizes and three types: standard, 6" regressed or 7" motion sensor. Available in three finishes and delivering up to 2000 lumens in 2700K, 3000K, 3500K, 4000K or 5000K.

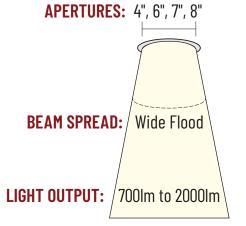
APPLICATION:	Light Commercial and Residential
INSTALLATION:	New Construction and Remodel
APERTURES:	4", 6", 7" and 8"
LUMENS:	700lm, 900lm, 1000lm, 1100lm or 2000lm
COLOR TEMP.:	2700K, 3000K, 3500K, 4000K, 5000K
DIMMING:	Triac or ELV
LISTINGS:	cULus listed for wet locations ENERGY STAR certified Certified to requirements of CA Title 24 JA8-2019 Suitable for use in closets











Retrofit Kit

COLOR TEMPERATURE: (2700K) (3000K) (3500K) (4000K) (5000K)













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