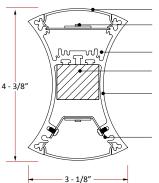
Carbon



SOFT GLOW FROSTED LENS PREMIUM LEDS WITH VARIOUS COLOR TEMPERATURES AND LIGHT OUTPUT

MACHINED END CAPS INTEGRAL DRIVER (WITH STANDARD OPTIONS) EXTRUDED ALUMINUM HOUSING

CABLE SUSPENDED (CS)

FFATURES:

TYPE:

- 1/16" Aircraft cable suspension system
- · High transmission frosted lenses with no diode imaging
- · No visible fasteners
- · Extruded aluminum housing
- Dimmable/Programmable drivers for controllable light output
- · High efficacy LEDs with 5 year warranty
- Under 2 steps MacAdams Ellipse Binning
- 3/8" thick machined end caps
- · Bi-directional fixture
- 360 ° rotation option with mechanical locking







PRODUCT SPECIFICATION

NOTE: All options italicized may increase lead times and/or incur higher costs - please consult factory with questions.

FIXTURE	MOUNTING/	NOMINAL	COLOR	—— LED DRIV	E POWER ——		
TYPE	ORIENTATION	LENGTH*	TEMP	DIRECT	INDIRECT*	VOLTAGE	DRIVER
C2 Carbon 2	CS Cable Suspended - BIDIRECTIONAL CSD Cable Suspended - DIRECT ONLY CSR Cable Suspended - ROTATIONAL	1' 1' 1-3/8" 2' 2' 1-3/8" 3' 3' 1-3/8" 4' 4' 1-3/8" 5' 5' 1-3/8" 6' 6' 1-3/8" 7' 7' 1-3/8" 8' 8' 1-3/8" CR' Continuous Run (Specify length in nominal feet)	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	VLO Very Low Output 405 lumens/ft. (4w/ft.) LO Low Output 610 lumens/ft. (6w/ft.) SO Standard Output 795 lumens/ft. (8w/ft.) HO High Output 1,000 lumens/ft. (10w/ft.) VHO Very High Output 1,160 lumens/ft. (12w/ft.) CPO Custom Power Output Consult factory	VLO Very Low Output 460 lumens/ft. (4w/ft.) LO Low Output 695 lumens/ft. (6w/ft.) SO Standard Output 910 lumens/ft. (8w/ft.) HO High Output 1,140 lumens/ft. (10w/ft.) VHO Very High Output 1,330 lumens/ft. (12w/ft.) CPO Custom Power Output Consult factory	UNV Universal (120-277v)	ND Non-Dimming
		*Dimensions are for reference only. Contact factory for more specific information or shop drawings. **Odd lengths may incur slightly higher per foot pricing.			*Not Applicable with CSD option.		

HOUSING FINISH	HARDWARE* DETAIL FINISH	CANOPY SIZE OPTIONS*	CANOPY FINSH	POWER CORD COLOR	AIRCRAFT CABLE LENGTH*	OPTIONS/ CUSTOMIZATION*
SC Satin Clear Anodize (Standard) SW Satin White (Powder Coat) MB Matte Black (Powder Coat) CF Custom Finish* (Consult Factory)	MF Machined Finish (Standard) CF Custom Finish (Consult Factory) NOTE: MF option is strongly recommended. Other options	44 4" Power feed canopy 4" Non-power feed canopy 1" Non-power feed canopy 1" Non-power feed canopy 40 4" Power feed canopy Canopy only at power feed	MF Machine Finish (Standard) SW Satin White CF Custom Finish*	W White G Gray B Black CC Custom Cord (Consult Factory)	2 2' 4 4' 6 6' 8 8' CL_ Custom Length** (Specify in feet IE: CL10 for 10')	XX No EMB or Customization EMB7 7 Watt battery back-up** (Approximately 600 lumens) 2 12 Watt battery back-up** (Approximately 1,000 lumens) 90 90+ CRI LED BOARDS CCP Corners/patterns* CD Custom Driver* CR Customization Requested* WSN Nlight Air WSE Enlighted WSW Wavelinx WSL Lutron Vive
*RAL and color match are available.	will result in higher costs and potentially longer lead times. ""Hardware" refers to the end caps and knuckles (knuckles only for the "Rotational" option).	*CONTINUOUS RUNS REQUIRE THE 55" OR THE 44" OPTION. CONSULT FACTORY WITH QUESTIONS. *See options section and installation instructions for more information.	*Consult the factory.		*Cables are field adjustable. ** Consult factory to confirm specific length.	NOTE: Customization may incur higher costs and/ or increased lead times. *Consult the factory for all custom options or custom concept requests. **The EMB12 is slightly more expensive than the EMB7 option (BOTH OPTIONS ARE INTEGRAL).

SPECIFICATION INFORMATION

NOTE: All options italicized in gray may increase lead times and/or incur higher costs- please consult factory with questions.

GENERAL NOTES:

All fixtures are **UL listed** for **dry** and **damp** locations.

INTEGRAL DRIVER for all options.

Please contact the factory with any specification questions.

FIXTURE ORIENTATION:Bidirectional (CS) for downlight and uplight applications.
Direct (CSD) for downlight applications.

Rotational (CSR) for adjustable applications: 360 degree rotational capacity with locking mechanism.

1) NON-DIMMING: As described... this fixture will not dim. 2) DIMMING: 0-10v: 1%, 10% :: Lutron: 2-wire Forward phase (Hi-Lume 1%), Ecosystem to 1% (Soft On), Ecosystem to 5% (5 Series). "DALI" - Specify driver. See "Dimming Options" on subsequent pages for more information. For other dimming options, consult the factory. 3) EMERGENCY: Specify EMB under the Options/Customization category at the end of the cut sheet along with the desired lumen

- output (600 or 1,000 lumens the latter is slightly more costly). 4) Drivers are programmed according to our standard lumen
- packages or to custom watt/lumen package requirements. 5) Consult factory with any questions or specification requirements.

The standard finish is a Satin Clear anodized housing with Machine Finished hardware. Machined finish is preferable for machined components (Hardware Detail) - Powder coating these parts may result in additional costs. Consult the factory with any questions about standard or custom finishing options.

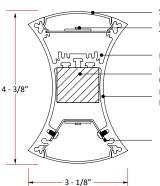
CUSTOMIZATION:

We have numerous custom options available. However, if there is something unique required for a project, from simple options to complete custom requests, we are more than willing to entertain any creative notions you might have. Just ask.



Carbon

ROTATIONAL ARM MOUNT (RAM)



SOFT GLOW FROSTED LENS PREMIUM LEDS WITH VARIOUS COLOR TEMPERATURES AND LIGHT OUTPUT

MACHINED END CAPS INTEGRAL DRIVER (WITH STANDARD OPTIONS) EXTRUDED ALUMINUM HOUSING

FFATURES:

TYPE:

- 5/8" diameter rigid tube mounting system
- · High transmission frosted lenses with no diode imaging
- · No visible fasteners
- Extruded aluminum housing
- Dimmable/Programmable drivers for controllable light output
- · High efficacy LEDs with 5 year warranty
- Under 2 steps MacAdams Ellipse Binning
- 3/8" thick machined end caps
- · Bi-directional fixture
- 360° rotation option- with mechanical locking





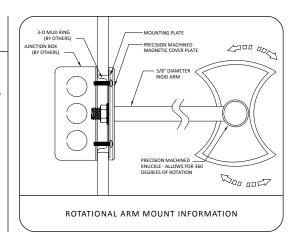


PRODUCT SPECIFICATION

NOTE: All options italicized may increase lead times and/or incur higher costs - please consult factory with questions.

FIXTURE		NOMINAL	COLOR	LED DRIV	E POWER ——		1
TYPE	MOUNTING	LENGTH*	TEMP	DIRECT	INDIRECT*	VOLTAGE	DRIVER
C2	RAM						
C2 Carbon 2	RAM Rotational Arm Mount	1' 1' 1-3/8" 2' 2' 1-3/8" 3' 3' 1-3/8" 4' 4' 1-3/8" 5' 5' 1-3/8" 6' 6' 1-3/8" 7' 7' 1-3/8" 8' 8' 1-3/8" 12' 12' 1-3/8" CR' Continuous Run (Specify length in nominal feet)	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	VLO Very Low Output 405 lumens/ft. (4w/ft.) LO Low Output 610 lumens/ft. (6w/ft.) SO Standard Output 795 lumens/ft. (8w/ft.) HO High Output 1,000 lumens/ft. (10w/ft.) VHO Very High Output 1,160 lumens/ft. (12w/ft.) CPO Custom Power Output Consult factory	VLO Very Low Output 460 lumens/ft. (4w/ft.) LO Low Output 695 lumens/ft. (6w/ft.) SO Standard Output 910 lumens/ft. (8w/ft.) HO High Output 1,140 lumens/ft. (10w/ft.) VHO Very High Output 1,330 lumens/ft. (12w/ft.) CPO Custom Power Output Consult factory	UNV Universal (120-277v)	ND Non-Dimming
		*Dimensions are for reference only. Contact factory for more specific information or shop drawings. **Odd lengths may incur slightly higher per foot pricing.			*Not Applicable with CSD option.		

	HOUSING FINISH	_	HARDWARE* ETAIL FINISH		ARM NGTH*		OUNTING/ OVER PLATE	,	OPTIONS/ CUSTOMIZATION*
SW MB CF	(Powder Coat) Matte Black (Powder Coat) Custom Finish* (Consult Factory)	recon option costs lead t *"Har end c (knuc	Machined Finish (Standard) Custom Finish (Consult Factory) : MF option is strongly mended. Other ns will result in higher and potentially longer imes. refers to the aps and knuckles kles only for the titonal" option).	measu mount to the fixture **Lim	3" 6" 9" 12" Custom Length** (Specify in inches IE: CL10 for 10")	4CPF	Flat 4" diameter Cover Plate - For use with a 3-O mud ring Custom Cover Plate (Consult Factory)	90 CCP CD CR WSN WSE WSW WSL NOTE: Cust and/or incr *Consult the custom con **The EMB	7 Watt battery back-up** (Approximately 600 lumens) 12 Watt battery back-up** (Approximately 1,000 lumens) 90+ CRI LED BOARDS



SPECIFICATION INFORMATION

NOTE: All options italicized in gray may increase lead times and/or incur higher costs- please consult factory with questions.

GENERAL NOTES:

All fixtures are **UL listed** for **dry** and **damp** locations.

INTEGRAL DRIVER for all options.

Please contact the factory with any specification questions.

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DRIVER: [INTEGRAL]

1) NON-DIMMING: As described... this fixture will not dim. 2) DIMMING: 0-10v: 1%, 10% :: Lutron: 2-wire Forward phase (Hi-Lume 1%), Ecosystem to 1% (Soft On), Ecosystem to 5% (5 Series). "DALI" - Specify driver. See "Dimming Options" on subsequent pages for more information. For other dimming options, consult the factory. 3) EMERGENCY: Specify EMB under the Options/Customization category at the end of the cut sheet along with the desired lumen output (600 or 1,000 lumens - the latter is slightly more costly).

- 4) Drivers are programmed according to our standard lumen packages or to custom watt/lumen package requirements.
- 5) Consult factory with any questions or specification requirements.

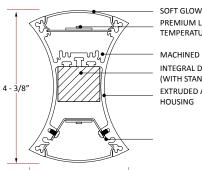
The standard finish is a Satin Clear anodized housing with Machine Finished hardware. Machined finish is preferable for machined components (Hardware Detail) - Powder coating these parts may result in additional costs. Consult the factory with any questions about standard or custom finishing options.

CUSTOMIZATION:

We have numerous custom options available. However, if there is something unique required for a project, from simple options to complete custom requests, we are more than willing to entertain any creative notions you might have. Just ask.



Carbon



SOFT GLOW FROSTED LENS PREMIUM LEDS WITH VARIOUS COLOR TEMPERATURES AND LIGHT OUTPUT

MACHINED END CAPS INTEGRAL DRIVER (WITH STANDARD OPTIONS) EXTRUDED ALUMINUM

SURFACE MOUNT (SM)

FFATURES:

TYPE:

- Ceiling or wall mounting system
- · High transmission frosted lenses with no diode imaging
- · No visible fasteners
- Extruded aluminum housing
- Dimmable/Programmable drivers for controllable light output
- · High efficacy LEDs with 5 year warranty
- Under 2 steps MacAdams Ellipse Binning
- 3/8" thick machined end caps
- · Bi-directional fixture







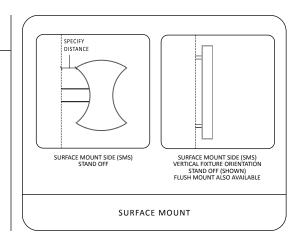
PRODUCT SPECIFICATION

3 - 1/8"

NOTE: All options italicized may increase lead times and/or incur higher costs - please consult factory with questions.

FIXTURE	MOUNTING/	NOMINAL	COLOR	LED DRIV	E POWER ——		I I
TYPE	ORIENTATION	LENGTH*	TEMP	DIRECT	INDIRECT*	VOLTAGE	DRIVER
_	•	_				UNV Universal (120-277v)	ND Non-Dimming O-10v DIMMING 1D 10% DIM 1D 1% DIM LUTRON — LUTRON — LUTRON [Digital] LDE5 Lutron EcoSystem 5% 5-Series (Digital) DALI Digital Addressable Lighting Interface
		only. Contact factory for more specific information or shop drawings. **Odd lengths may incur slightly higher per foot pricing.			*Not Applicable with CSD option.		

HOUSING FINISH	END CAP FINISH	STAND OFF DISTANCE	OPTIONS/ CUSTOMIZATION*
SC Satin Clear Anodize (Standard) SW Satin White (Powder Coat) MB Matte Black (Powder Coat) CF Custom Finish (Consult Factory)		0 Flush .5 Half inch 1 1" 3 3" 6 6 CU Custom - Specify in inches (IE: CU4.5)	XX No EMB or Customization EMB7 7 Watt battery back-up** (Approximately 600 lumens) EMB12 12 Watt battery back-up** (Approximately 1,000 lumens) 90 90+ CRI LED BOARDS CCP Corners/patterns* CD Custom Driver* CR Customization Requested* WSN Nlight Air WSE Enlighted WSW Wavelinx WSL Lutron Vive
*RAL and color match are available.	NOTE: MF option is strongly recommended. Other options will result in higher costs and potentially longer lead times.		NOTE: Customization may incur higher costs and/or increased lead times. *Consult the factory for all custom options or custom concept requests. **The EMB12 is more expensive than the EMB7 option (BOTH OPTIONS ARE INTEGRAL ONLY).



SPECIFICATION INFORMATION

NOTE: All options italicized in gray may increase lead times and/or incur higher costs- please consult factory with questions.

GENERAL NOTES:

All fixtures are **UL listed** for **dry** and **damp** locations.

INTEGRAL DRIVER for all options.

Please contact the factory with any specification questions.

DRIVER: [INTEGRAL]

1) NON-DIMMING: As described... this fixture will not dim. 2) DIMMING: 0-10v: 1%, 10% :: Lutron: 2-wire Forward phase (Hi-Lume 1%), Ecosystem to 1% (Soft On), Ecosystem to 5% (5 Series). "DALI" - Specify driver. See "Dimming Options" on subsequent pages for more information. For other dimming options, consult the factory. 3) EMERGENCY: Specify EMB under the Options/Customization category at the end of the cut sheet along with the desired lumen output (600 or 1,000 lumens - the latter is slightly more costly).

4) Drivers are programmed according to our standard lumen packages or to custom watt/lumen package requirements.

5) Consult factory with any questions or specification requirements.

The standard finish is a Satin Clear anodized housing with Machine Finished hardware. Machined finish is preferable for machined components (Hardware Detail) - Powder coating these parts may result in additional costs. Consult the factory with any questions about standard or custom finishing options.

CUSTOMIZATION:

We have numerous custom options available. However, if there is something unique required for a project, from simple options to complete custom requests, we are more than willing to entertain any creative notions you might have. Just ask.



PRODUCT SPECIFICATION

- Fixture delivered light potential: 108 Lumens/Watt*
- · Uniform light distribution
- 90+ CRI LED diode options
- Exceptional binning-less than 2 step MacAdams Elipse
- · Minimum 70% initial lumen output at 70,000 hours
- Standard 0-10v dimming to %10
- · Lutron, Eldoled, Dali, and other dimming options
- 5 year system warranty

*Actual fixture efficacy will be dependent on specification. Higher lumens per watt are achieved with lower drive powers. Please contact the factory with questions or for more information.

LUMEN OUTPUT*

LUMEN OUTPUT (PER FOOT)

	— DIRECT —		— INDIRECT —	
DRIVER OUTPUT	WATTAGE	LUMENS	WATTAGE	LUMENS
VERY LOW (VLO)	4	405	4	460
LOW (LO)	6	610	6	695
STANDARD (SO)	8	795	8	910
нідн (но)	10	1,000	10	1,140
VERY HIGH (VHO)	12	1,160	12	1,330

LUMEN OUTPUT (PER FOOT)

- DIRECT — INDIRECT

	DIN	LCI	11101	KLCI
DRIVER OUTPUT	WATTAGE	LUMENS	WATTAGE	LUMENS
VERY LOW (VLO)	16	1,620	16	1,840
LOW (LO)	24	2,440	24	2,780
STANDARD (SO)	32	3,180	32	3,640
нідн (но)	40	4,000	40	4,560
VERY HIGH (VHO)	48	4,640	48	5,320

VERY LOW: Considerably underdrives the LEDs to maximize fixture

- efficacy potential and limit wattage use.
- LOW: Underdrives the LEDs for reasonable light output while
- maintaining low wattage use.

STANDARD: Drives the LEDs for the best combination of lumen

output and fixture efficacy.

 $\textbf{HIGH:} \ \textbf{Drive the LEDs at higher capacity for higher lumen output}$

• with good efficacy.

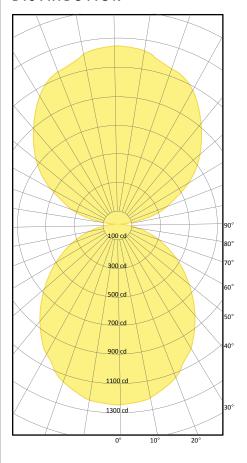
VERY HIGH: Drives the LEDs at the highest capacity for the highest

• lumen output with the best efficacy.

*Lumen output will vary depending on ambient temperature. Cooler ambient and LED color temperatures result in higher luminaire performance. Calculations are based on 4000K LEDs.

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LUMINOUS INTENSITY DISTRIBUTION



FIXTURE PROPERTIES (AS TESTED)

- 4' nominal length fixture
- Standard Output (SO)
- Total system energy consumption: 64 Watt
- 108 Lumens/Watt
- 4000K 80 CRI LED

ZONAL LUMEN SUMMARY

ZONE	LUMEN	%LAMP	%FIXTURE
0 - 30	944	10.9%	13.8%
0 - 40	1,514	17.5%	22.2%
0 - 60	2,554	29.6%	37.4%
0 - 90	3,192	37%	46.7%
90 - 120	821	9.5%	12%
90 - 150	2,657	30.8%	38.9%
90 - 180	3,642	42.2%	53.3%
0 - 180	6,834	79.1%	100%















OPTIONS GUIDE

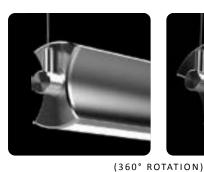
MOUNTING





CABLE SUSPENDED (CS)

1/16" aircraft cable suspension system. Carbon 2 (C2) can be static down-light and up-light: Bi-Directional (CS), static down-light ONLY: Direct (CSD), or Rotational (see below). Standard and custom power cord finishes, sleeve options, and canopy colors offer options to match almost any space. Stainless steel cables come in various lengths (4' is standard) and are field adjustable.





CABLE SUSPENDED ROTATIONAL (CS-R)

Using a similar setup to the Cable Suspended system above, the Cable Suspended - Rotational system has 360 degree rotational capacity with mechanical fasteners to lock fixtures in place if desired. This system offers incredible flexibility, light direction control, and a dynamic aesthetic.





ROTATIONAL ARM MOUNT (RAM)

This system uses 5/8" diameter aluminum arms and subtle details in combination with a 360 degree rotational capacity to create some of the most versatile linear fixtures in the architectural market. Standard mounting uses 3-O mud rings (supplied by others) or a 1" optional trim ring for furniture mounted applications. Engineered with no visible fasteners, smooth rotation, and mechanical locking, the RAM system reveals an impressive aesthetic with exceptional versatility.





SURFACE MOUNT (SM)

Side Mount Side (SMS) or Side Mount Direct Only (SMSD). Side, the fixture is mounted on the wall with stand-offs giving a static bi-directional up-light and down-light. Direct Only, the fixture is mounted on the wall with stand-offs as well but only gives a static down-light. Optional stand-offs allow for fixtures to be mounted from 1/2" to 12" as well as custom lengths if needed.



OPTIONS GUIDE

CONTINUOUS RUN

Continuous runs are available with all fixtures and have several connection options. Single Seam continuous run options offer smooth section transitions while Component Seams lend to a more dramatic visual statement. The 360 Rotational option enables individual sections to rotate independently of each other, which offers adjustable asymmetric light distribution capacity along with striking appearances such as alternating up/down fixtures or spiral transitions. The flexibility within the rotational option makes for infinite design and functional possibilities.



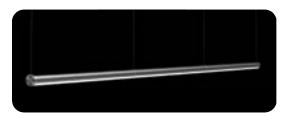
CONTINUOUS RUN SINGLE SEAM



CONTINUOUS RUN ROTATIONAL (SPIRAL EFFECT)



CONTINUOUS RUN ROTATIONAL



OXYGEN 2 (O2) WITH A SINGLE SEAM CONTINUOUS RUN

CANOPIES

55

STANDARD

Canopies have several standard options to suit various environment aesthetics. The standard cable suspension system has 5" Satin White canopies. However, other standard options include a 2" non-power feed canopy option as well as no canopy at all. Both of these include a 5" diameter power feed canopy.





5" diameter power feed and 5" diameter non-pow feed canopy. Most common canopy layout. Creates a consistent ceiling aesthetic.





5" diameter power feed and 2" diameter non-power feed canopy. Offers a more minimal ceiling treatment while maintaining the ability to cover up mistakes. Requires a 1/4-20 stud securely fastened to the ceiling.





5" diameter power feed canopy and no canopy on the non-power feed side. Minimal aesthetic. Requires a 1/4-20 stud securely attached to ceiling. Works well with continuous runs where the power can be carried inside the fixture

MACHINED

Machined canopies are 4" in diameter and can be anodized as well as powder coated to match a desired color or they can be left with a mill finish for a more striking look. Similar non-power feed options are available with this aesthetic as well. These options do carry a higher cost than standard canopies, but also have an impressive appearance.





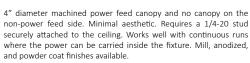
4" diameter machined power feed and 4" diameter machined nonpower feed canopy. Offers a consistent ceiling aesthetic with smaller machined canopies. Mill, anodized, and powder coat finishes available.





4" diameter machined power feed and 1-1/4" diameter machined nonpower feed canopy. Offers minimal ceiling treatment while maintaining the ability to cover mistakes. Requires a 1/4-20 stud securely fastened to the ceiling. Mill, anodized, and powder coat finishes available.





CUSTOM

Custom canopies options are available and can look spectacular in certain applications. Contact the factory with all custom requests or with any questions.



CUSTOM POWDER COAT



CUSTOM ANODIZE



CUSTOM SHAPE

OPTIONS GUIDE

COLOR AND FINISH

Standard finish configurations are Satin Clear (SC) housing with Machined Finish (MF) machined components (end caps, knuckles, cover plates, etc.). The incredibly clean detail within all of the machined components lends to an incredibly high end aesthetic with two tone finish. Numerous custom anodizing and powder coated finishes are available as well. If you have a particular color/finish treatment in mind, please contact the factory and we will do our best to accommodate your project needs.

SATIN CLEAR ANODIZING MACHINED COMPONENTS CUSTOM MATTE BLACK GLOSS BLACK BRONZE MILL ALUMINUM SPE

COLOR POWDER COAT



Cable Suspended Rotational mount system with twotone finish, Satin Clear housing and Machined Finish components.

COVER PLATES

SATIN WHITE

GLOSS WHITE

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Cover plates are standard for Rotational Arm Mounting (RAM) Systems. Standard options are Flat (FT), Curved (CV), or Trim Ring (TR). With certain applications, cover plates or trim rings may not be necessary. Contact factory with questions or for more information. Custom cover plates are also available. If a certain aesthetic is desired, please contact the factory to review any concepts and we will do our best to bring your vision to life.

COLOR ANODIZE

