H e l i u m 2

CABLE SUSPENDED (CS)

EXTRUDED ALUMINUM HOUSING

INTEGRAL DRIVER (WITH ALL FIXTURE OPTIONS)

MACHINED END CAPS

PREMIUM LEDS WITH VARIOUS COLOR TEMPERATURES AND LIGHT OUTPUT

SOFT GLOW FROSTED LENS

2 - 7/8"

2 - 1/2"
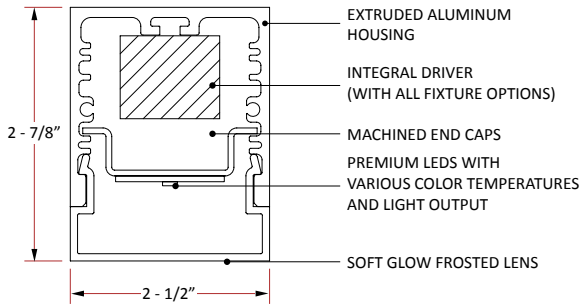
FEATURES:
- 3/64" aircraft cable suspension system
- High transmission frosted lenses with no diode imaging
- No visible fasteners
- Extruded aluminum housing
- Dimmable/Programmable drivers for controllable light output
- High efficacy LEDs with 5 year warranty
- Under 2 steps MacAdams Ellipse Binning
- 3/8" thick machined end caps

He2 HELIUM

PRODUCT SPECIFICATION

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

FIXTURE TYPE He2	MOUNTING/ ORIENTATION	NOMINAL LENGTH*	COLOR TEMP	LED DRIVE POWER	VOLTAGE	DRIVER
He 2 Helium 2	**CSD** Cable Suspended - DIRECT **CSI** Cable Suspended - INDIRECT *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" *12'* 12' 1-3/8" **CR__'** Continuous Run (Specify length in nominal feet) *Dimensions are for reference only. Contact factory for more specific information or shop drawings. **Odd lengths may incur slightly higher per foot pricing.	**27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K *50K 5000K*	**VLO** Very Low Output 465 lumens/ft (4w/ft.) **LO** Low Output 705 lumens/ft. (6w/ft.) **SO** Standard Output 925 lumens/ft. (8w/ft.) **HO** High Output 1,160 lumens/ft. (10w/ft.) *VHO Very High Output 1,350 lumens/ft. (12w/ft.)* *CPO Custom Power Output Consult factory* *CPO:*	**UNV** Universal (120-277v)	**ND** Non-Dimming *0-10v DIMMING* **10D** 10% DIM **1D** 1% DIM *LUTRON* *LDE1 Lutron EcoSystem 1% "Soft on" (Digital)* *LDE5 Lutron EcoSystem 5% 5-Series (Digital)* *DALI* *DALI Digital Addressable Lighting Interface*

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) *CF:* *RAL and color match are available.	**MF** Machined Finish (Standard) *CF Custom Finish (Consult Factory)* *CF:* NOTE: MF option is strongly recommended. Other options will result in higher costs and potentially longer lead times. *"Hardware" refers to the end caps and knuckles (knuckles only for the "Rotational" option).	**44** 4" Power feed canopy **41** 4" Non-power feed canopy **41** 4" Power feed canopy 1" Non-power feed canopy **40** 4" Power feed canopy Canopy only at power feed *CONTINUOUS RUNS REQUIRE THE 55" OR THE 44" OPTION. CONSULT FACTORY WITH QUESTIONS. *See options section and installation instructions for more information.	**MF** Machine Finish (Standard) *SW Satin White* *CF Custom Finish* *Just about any finish is possible. For the 4" machined canopies, MF is strongly recommended. Contact the factory with questions or requests.	**W** White **G** Gray **B** Black *CC Custom Cord* *CC:* *Consult the factory.	**2** 2' **4** 4' **6** 6' **8** 8' *CL_ Custom Length** (Specify in feet IE: CL10 for 10')* *CL:* *Cables are field adjustable. ** Consult factory to confirm specific length.	**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 (2700K - 4000K only) *CCP Corners/patterns* *CD Custom Driver* *CR Customization Requested* *WSN Nlight Air* *WSE Enlighted* *WSW Wavelinx* *WSL Lutron Vive* 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 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.

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.

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.

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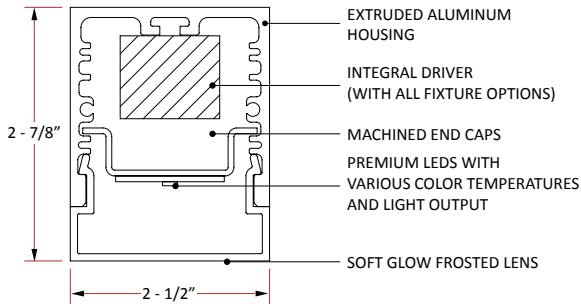
CUSTOMIZATION:
We have numerous custom options available. However, if there is something unique required for a project, from simple options to complete custom requests, we are more than willing to entertain any creative notions you might have. Just ask.
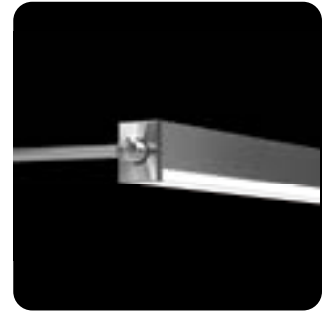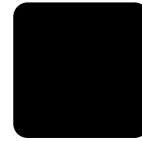
Lumium lighting at its *element*

H e l i u m ₂

ROTATIONAL ARM MOUNT (RAM)

FEATURES:

- 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
- 360° rotation option- with mechanical locking

EXTRUDED ALUMINUM HOUSING

INTEGRAL DRIVER (WITH ALL FIXTURE OPTIONS)

MACHINED END CAPS

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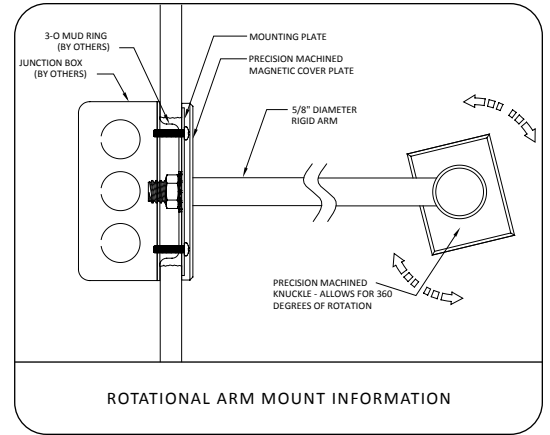
SOFT GLOW FROSTED LENS

2 - 7/8"

2 - 1/2"

PRODUCT SPECIFICATION

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

FIXTURE TYPE He2	MOUNTING RAM	NOMINAL LENGTH*	COLOR TEMP	LED DRIVE POWER	VOLTAGE	DRIVER	HOUSING FINISH
He2 Helium 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) *Dimensions are for reference only. Contact factory for more specific information or shop drawings. **Odd lengths may incur slightly higher per foot pricing.	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	VLO Very Low Output 465 lumens/ft (4w/ft.) LO Low Output 705 lumens/ft. (6w/ft.) SO Standard Output 925 lumens/ft. (8w/ft.) HO High Output 1,160 lumens/ft. (10w/ft.) VHO Very High Output 1,350 lumens/ft. (12w/ft.) CPO Custom Power Output Consult factory	UNV Universal (120-277v)	ND Non-Dimming 0-10v DIMMING 10D 10% DIM 1D 1% DIM LUTRON LDE1 Lutron EcoSystem 1% "Soft on" (Digital) LDE5 Lutron EcoSystem 5% 5-Series (Digital) DALI DALI Digital Addressable Lighting Interface	SC Satin Clear Anodize (Standard) SW Satin White (Powder Coat) MB Matte Black (Powder Coat) CF Custom Finish* (Consult Factory) CF: *RAL and color match are available.

HARDWARE* DETAIL FINISH	ARM LENGTH*	MOUNTING/ COVER PLATE	OPTIONS/ CUSTOMIZATION*	
MF Machined Finish (Standard) CF Custom Finish (Consult Factory) CF: NOTE: MF option is strongly recommended. Other options will result in higher costs and potentially longer lead times. *"Hardware" refers to the end caps and knuckles (knuckles only for the "Rotational" option).	3 3" 6 6" 9 9"** 12 12"** CAL Custom Length** (Specify in inches IE: CL10 for 10") *Arm length is measured from the mounting surface to the center of the fixture. **Limitations apply. Consult the factory.	4CPF Flat 4" diameter Cover Plate - For use with a 3-O mud ring CCP Custom Cover Plate* CCP: *Consult the factory.	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 (2700K - 4000K only) CCP Corners/patterns* CD Custom Driver* CR Customization Requested* WSN Nlight Air WSE Enlighted WSW Wavelinx WSL Lutron Vive 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).	3-O MUD RING (BY OTHERS) JUNCTION BOX (BY OTHERS) MOUNTING PLATE PRECISION MACHINED MAGNETIC COVER PLATE 5/8" DIAMETER RIGID ARM PRECISION MACHINED KNUCKLE - ALLOWS FOR 360 DEGREES OF ROTATION ROTATIONAL ARM MOUNT INFORMATION

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.

FINISHES:
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.
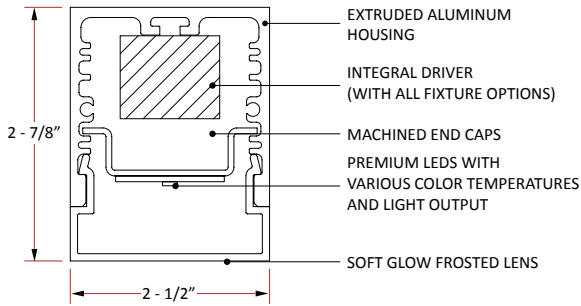
CUSTOMIZATION:
We have numerous custom options available. However, if there is something unique required for a project, from simple options to complete custom requests, we are more than willing to entertain any creative notions you might have. Just ask.
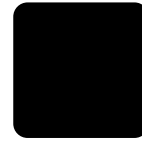
20200302

Helium 2

SURFACE MOUNT (SM)

He2 HELIUM

FEATURES:
- 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
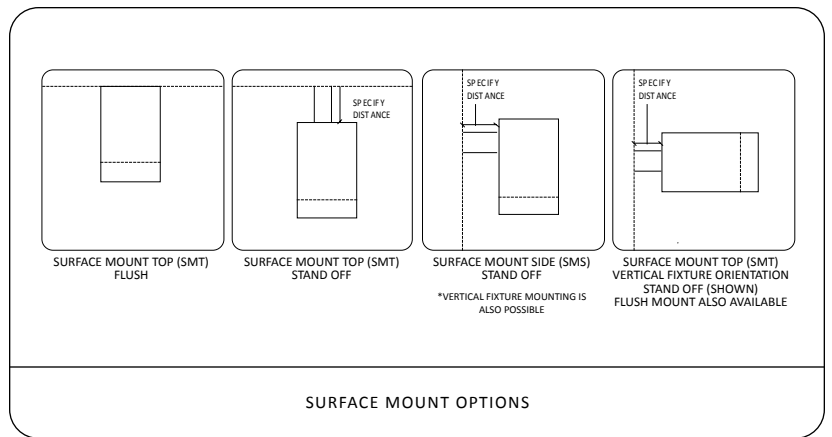- Under 2 steps MacAdams Ellipse Binning
- 3/8" thick machined end caps

EXTRUDED ALUMINUM HOUSING

INTEGRAL DRIVER (WITH ALL FIXTURE OPTIONS)

MACHINED END CAPS

PREMIUM LEDS WITH VARIOUS COLOR TEMPERATURES AND LIGHT OUTPUT

SOFT GLOW FROSTED LENS

2 - 7/8"

2 - 1/2"

PRODUCT SPECIFICATION

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

FIXTURE TYPE He2	MOUNTING	NOMINAL LENGTH*	COLOR TEMP	LED DRIVE POWER	VOLTAGE	DRIVER	HOUSING FINISH
He2 Helium 2	**SMS** Surface Mount - SIDE **SMT** Surface Mount - TOP	**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) *Dimensions are for reference only. Contact factory for more specific information or shop drawings. **Odd lengths may incur slightly higher per foot pricing.	**27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K **50K** 5000K	**VLO** Very Low Output 465 lumens/ft (4w/ft.) **LO** Low Output 705 lumens/ft. (6w/ft.) **SO** Standard Output 925 lumens/ft. (8w/ft.) **HO** High Output 1,160 lumens/ft. (10w/ft.) **VHO** *Very High Output 1,350 lumens/ft. (12w/ft.)* **CPO** *Custom Power Output Consult factory*	**UNV** Universal (120-277v)	**ND** Non-Dimming *0-10v DIMMING* **10D** 10% DIM **1D** 1% DIM *LUTRON* **LDE1** *Lutron EcoSystem 1% "Soft on" (Digital)* **LDE5** *Lutron EcoSystem 5% 5-Series (Digital)* *DALI* **DALI** *Digital Addressable Lighting Interface*	**SC** Satin Clear Anodize (Standard) **SW** *Satin White (Powder Coat)* **MB** *Matte Black (Powder Coat)* **CF** *Custom Finish* *(Consult Factory)* **CF:** *RAL and color match are available.*

HARDWARE* DETAIL FINISH	STAND OFF DISTANCE	OPTIONS/ CUSTOMIZATION*		SURFACE MOUNT OPTIONS
MF Machined Finish (Standard) **CF** *Custom Finish (Consult Factory)* **CF:** NOTE: The MF option is strongly recommended. Other options will result in higher costs and potentially longer lead times. *"Hardware" refers to the end caps and knuckles (knuckles only for the "Rotational" option).	**0** Flush **.5** Half Inch **1** 1" **3** 3" **6** 6" **CU_** Custom (Specify in ft IE: CU4.5 for 4.5')	**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 (2700K - 4000K only)* **CCP** *Corners/patterns** **CD** *Custom Driver** **CR** *Customization Requested** **WSN** *Nlight Air* **WSE** *Enlighted* **WSW** *Wavelinx* **WSL** *Lutron Vive* 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 ONLY).		

SURFACE MOUNT TOP (SMT) FLUSH

SURFACE MOUNT TOP (SMT) STAND OFF

SURFACE MOUNT SIDE (SMS) STAND OFF
*VERTICAL FIXTURE MOUNTING IS ALSO POSSIBLE

SURFACE MOUNT TOP (SMT) VERTICAL FIXTURE ORIENTATION STAND OFF (SHOWN) FLUSH MOUNT ALSO AVAILABLE

SPECIFY DISTANCE

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.

FINISHES:
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.
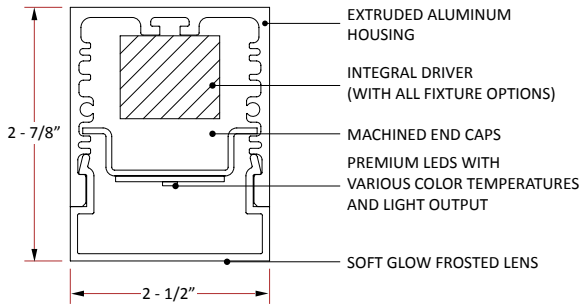
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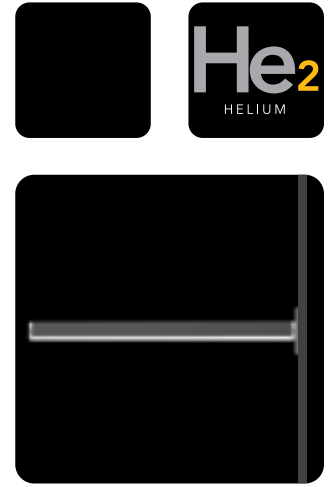
H e l i u m ₂

END SURFACE MOUNT - SHORT (ESM)

He2 HELIUM

EXTRUDED ALUMINUM HOUSING

INTEGRAL DRIVER (WITH ALL FIXTURE OPTIONS)

MACHINED END CAPS

PREMIUM LEDS WITH VARIOUS COLOR TEMPERATURES AND LIGHT OUTPUT

SOFT GLOW FROSTED LENS

2 - 7/8"

2 - 1/2"

FEATURES:

• Wall Mount
• 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

PRODUCT SPECIFICATION

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

FIXTURE TYPE **He2**	MOUNTING	NOMINAL LENGTH*	COLOR TEMP	LED DRIVE POWER	VOLTAGE	DRIVER	HOUSING FINISH
He2 Helium 2	**ESMD** End Surface Mount - DIRECT **ESMI** End Surface Mount - INDIRECT	*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) *Dimensions are for reference only. Contact factory for more specific information or shop drawings. **Odd lengths may incur slightly higher per foot pricing.*	*27K* 2700K **30K** 3000K **35K** 3500K **40K** 4000K *50K* 5000K	**VLO** Very Low Output 465 lumens/ft (4w/ft.) **LO** Low Output 705 lumens/ft. (6w/ft.) **SO** Standard Output 925 lumens/ft. (8w/ft.) **HO** High Output 1,160 lumens/ft. (10w/ft.) *VHO* Very High Output *1,350 lumens/ft. (12w/ft.)* *CPO* Custom Power Output *Consult factory*	**UNV** Universal (120-277v)	**ND** Non-Dimming 0-10v DIMMING **10D** 10% DIM **1D** 1% DIM LUTRON *LDE1* Lutron EcoSystem *1% "Soft on" (Digital)* *LDE5* Lutron EcoSystem *5% 5-Series (Digital)* DALI *DALI* Digital Addressable Lighting Interface	**SC** Satin Clear Anodize (Standard) **SW** Satin White (Powder Coat) **MB** Matte Black (Powder Coat) *CF* Custom Finish* (Consult Factory) CF: *RAL and color match are available.*

HARDWARE* DETAIL FINISH	MOUNTING/ COVER PLATE	OPTIONS/ CUSTOMIZATION*
MF Machined Finish (Standard) *CF* Custom Finish (Consult Factory) CF: NOTE: MF option is strongly recommended. Other options will result in higher costs and potentially longer lead times. *"Hardware" refers to the end caps and knuckles (knuckles only for the "Rotational" option).	**4CPF** Flat 4" diameter Cover Plate - For use with 3-O mud ring *CCP* Custom Cover Plate* CCP: *Consult the factory.	**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 (2700K - 4000K only) *CCP* Corners/patterns* *CD* Custom Driver* *CR* Customization Requested* *WSN* Nlight Air *WSE* Enlighted *WSW* Wavelinx *WSL* Lutron Vive 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 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.

FIXTURE ORIENTATION:
Direct (ESMD) for downlight applications.
Indirect (ESMI) for uplight applications.

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).
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FINISHES:
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.
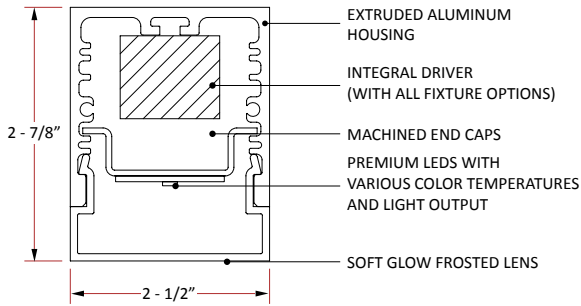
CUSTOMIZATION:
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lumium lighting at its *element*

20200302

H e l i u m 2

END SURFACE MOUNT - LONG (ESM)

He2
HELIUM

EXTRUDED ALUMINUM HOUSING
INTEGRAL DRIVER (WITH ALL FIXTURE OPTIONS)
MACHINED END CAPS
PREMIUM LEDS WITH VARIOUS COLOR TEMPERATURES AND LIGHT OUTPUT
SOFT GLOW FROSTED LENS

2 - 7/8"
2 - 1/2"

FEATURES:

• Wall mount with aircraft cable support
• 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

PRODUCT SPECIFICATION

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

FIXTURE TYPE He2	MOUNTING	NOMINAL LENGTH*	COLOR TEMP	LED DRIVE POWER	VOLTAGE	DRIVER	HOUSING FINISH
He2 Helium 2	**ESMD** End Surface Mount - DIRECT **ESMI** End Surface Mount - INDIRECT	**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) *Dimensions are for reference only. Contact factory for more specific information or shop drawings. **Odd lengths may incur slightly higher per foot pricing.	**27K** *2700K* **30K** 3000K **35K** 3500K **40K** 4000K **50K** *5000K*	**VLO** Very Low Output 465 lumens/ft (4w/ft.) **LO** Low Output 705 lumens/ft. (6w/ft.) **SO** Standard Output 925 lumens/ft. (8w/ft.) **HO** High Output 1,160 lumens/ft. (10w/ft.) **VHO** *Very High Output 1,350 lumens/ft. (12w/ft.)* **CPO** *Custom Power Output Consult factory*	**UNV** Universal (120-277v)	*0-10v DIMMING* **ND** Non-Dimming **10D** 10% DIM **1D** 1% DIM *LUTRON* **LDE1** *Lutron EcoSystem 1% "Soft on" (Digital)* **LDE5** *Lutron EcoSystem 5% 5-Series (Digital)* *DALI* **DALI** *Digital Addressable Lighting Interface*	**SC** Satin Clear Anodize (Standard) **SW** *Satin White (Powder Coat)* **MB** *Matte Black (Powder Coat)* **CF** *Custom Finish* (Consult Factory) **CF:** *RAL and color match are available.

HARDWARE* DETAIL FINISH	MOUNTING/ COVER PLATE	CANOPY SIZE OPTIONS*	CANOPY FINSH	POWER CORD COLOR	AIRCRAFT CABLE LENGTH*	OPTIONS/ CUSTOMIZATION*
MF Machined Finish (Standard) **CF** *Custom Finish (Consult Factory)* **CF:** NOTE: MF option is strongly recommended. Other options will result in higher costs and potentially longer lead times. *"Hardware" refers to the end caps and knuckles (knuckles only for the "Rotational" option).	**4CPF** *Flat 4" diameter Cover Plate - For use with a 3-O mud ring* **CCP** *Custom Cover Plate* **CCP:** *Consult the factory.	**44** 4" Power feed canopy 4" Non-power feed canopy **41** 4" Power feed canopy 1" Non-power feed canopy **40** 4" Power feed canopy Canopy only at power feed ***CONTINUOUS RUNS REQUIRE THE 55" OR THE 44" OPTION. CONSULT FACTORY WITH QUESTIONS.** *See options section and installation instructions for more information.	**MF** Machine Finish (Standard) **SW** *Satin White* **CF** *Custom Finish* *Just about any finish is possible. For the 4" machined canopies, MF is strongly recommended. Contact the factory with questions or requests.	**W** White **G** Gray **B** Black **CC** *Custom Cord* **CC:** *Consult the factory.	**2** 2' **4** 4' **6** 6' **8** 8' **CL__** *Custom Length** (Specify in feet IE: CL10 for 10') *Cables are field adjustable. ** Consult factory to confirm specific length.	**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 (2700K - 4000K only)* **CCP** *Corners/patterns** **CD** *Custom Driver** **CR** *Customization Requested** **WSN** *Nlight Air* **WSE** *Enlighted* **WSW** *Wavelinx* **WSL** *Lutron Vive* 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 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.

FIXTURE ORIENTATION:
Direct (ESMD) for downlight applications.
Indirect (ESMI) for uplight applications.

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.

FINISHES:
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.

Lumium Lighting, LLC | 3590 Cadillac Ave, Suite A, Costa Mesa, CA 92626 | Phone: 760.757.2530 | Fax: 760.283.2333 | **www.lumiumlighting.com**

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lumium lighting at its *element*

20200302

Helium ₂

He2 HELIUM

PRODUCT SPECIFICATION

· Fixture delivered light potential: 118 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)		
DRIVER OUTPUT	WATTAGE	LUMENS
VERY LOW (VLO)	4	465
LOW (LO)	6	705
STANDARD (SO)	8	925
HIGH (HO)	10	1,160
VERY HIGH (VHO)	12	1,350

PER 4' FIXTURE (TOTAL DELIVERED LUMENS)		
DRIVER OUTPUT	WATTAGE	LUMENS
VERY LOW (VLO)	16	1,860
LOW (LO)	24	2,820
STANDARD (SO)	32	3,700
HIGH (HO)	40	4,640
VERY HIGH (VHO)	48	5,400

· **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.

· **HIGH:** 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.

LUMINOUS INTENSITY DISTRIBUTION
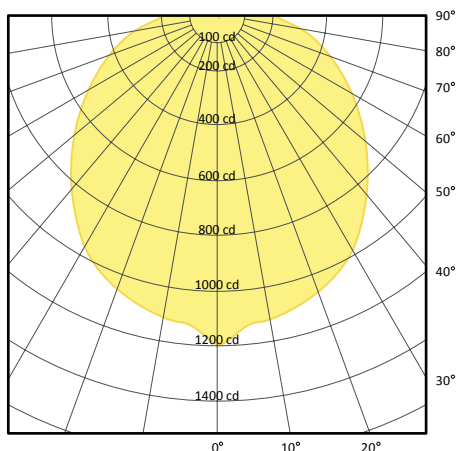
FIXTURE PROPERTIES (AS TESTED)

· 4' nominal length fixture
· Standard Output (SO)
· Total system energy consumption: 32 Watt
· 118 Lumens/Watt
· 4000K 80 CRI LED

ZONAL LUMEN SUMMARY

| ZONE	LUMEN	%LAMP	%FIXTURE
0 - 30	880	20.4%	23.8%
0 - 40	1,435	33.2%	38.8%
0 - 60	2,529	58.6%	68.3 %
0 - 90	3,410	79%	92.1%
90 - 120	205	4.7%	5.5%
90 - 150	284	6.6%	7.7%
90 - 180	292	6.8%	7.9%
0 - 180	3,702	85.7%	100%

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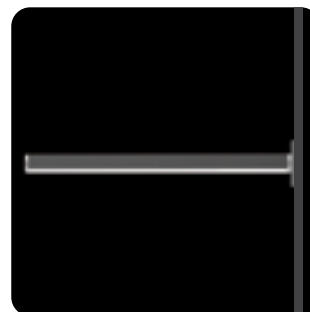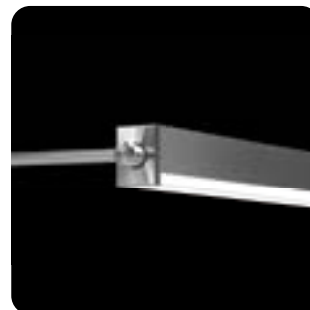
OPTIONS GUIDE

MOUNTING

CABLE SUSPENDED (CS)

Power Suspension System. Helium 2 (He2) can be static down-light: Direct (CSD), static up-light: Indirect (CSI), or Rotational (CSR). 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. 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.
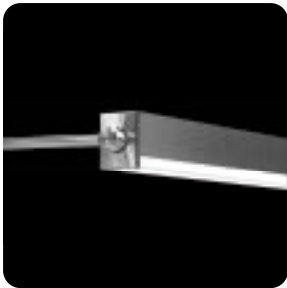
ROTATIONAL ARM MOUNT (RAM)

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.
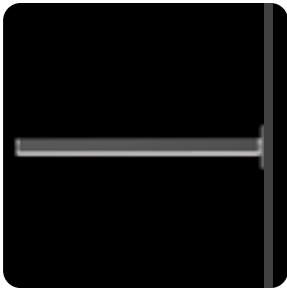
END SURFACE MOUNT (ESM)

Wall Mount. Fixtures are mounted from their ends onto the wall using standard 3-O rings. He2 can be static down-light: Direct (ESMD) or static up-light: Indirect (ESMI). An aircraft cable suspension system will be issued if the fixtures are longer than 2 feet, if needed.

SURFACE MOUNT (SM)

Side Mount Side (SMS) or Side Mount Top (SMT). Side, the fixture is mounted on the wall. Top, the fixture is mounted on the ceiling. Both Side and Top give a static down-light. Top or Side Mount specification denotes the power feed location(s). Optional stand-offs allows 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
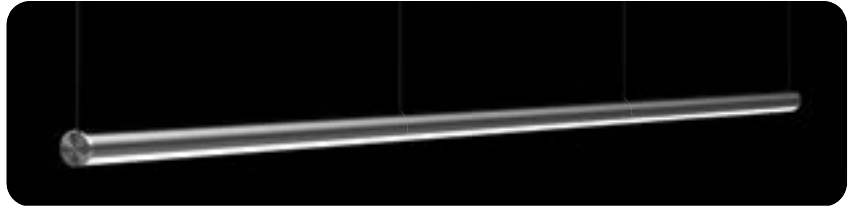
OXYGEN 2 (O2) WITH A SINGLE SEAM CONTINUOUS RUN

CANOPIES

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.

55
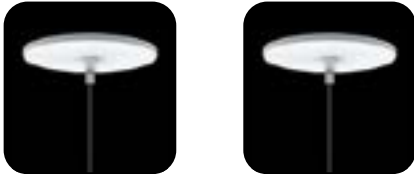
5" diameter power feed and 5" diameter non-pow feed canopy. Most common canopy layout. Creates a consistent ceiling aesthetic.

52

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.

50

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.

44

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

41

4" diameter machined power feed and 1-1/4" diameter machined non-power 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.

40

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

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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.

STANDARD

SATIN CLEAR
ANODIZING
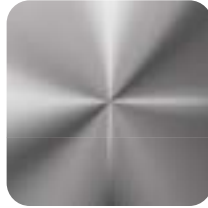
MACHINED
COMPONENTS

CUSTOM

MATTE BLACK

GLOSS BLACK

BRONZE

MILL ALUMINUM

SPECULAR

SATIN WHITE

GLOSS WHITE

COLOR POWDER COAT

COLOR ANODIZE

RAL COLORS

FINSIHED CONFIGURATION

THALLIUM 2 (Th2)

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

COVER PLATES

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.
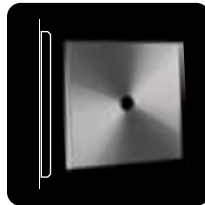
STANDARD
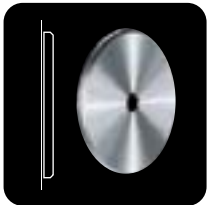
FLAT (CPFT)

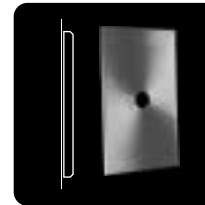Flat has a 4" diameter cover plate for use with a 3-O mud ring.
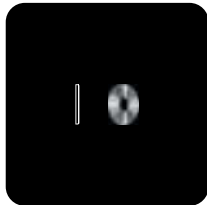
TRIM RING (TR)

1-1/4" diameter trim ring Can be used in applications such as desk mounting.

CUSTOM

SQUARE

TALL RECTANGLE

?
CUSTOM

CUSTOM

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