HPC3
X-WELD

barbicanlighting
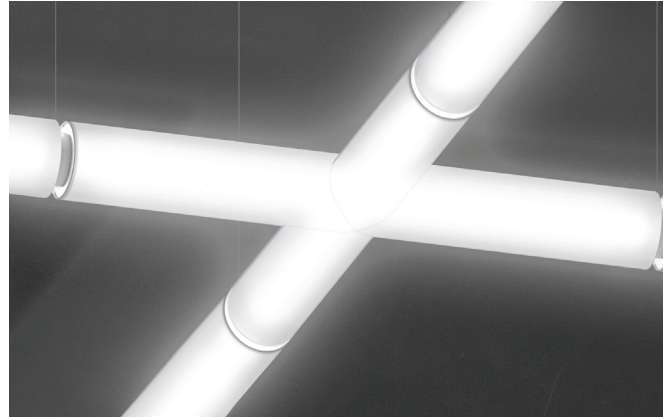
Low-glare, infinitely customizable, continuous, omni-directional, architectural light source. Perfectly designed for spaces requiring diffused light that provides soft and even illumination on walls, ceilings, and work surfaces.

The modular **HPC3** system provides many configurations to fit any space you have. Our curved and welded corners will ensure your space feels considered and beautiful, while our industry leading Quick Ship program can ensure you have your light fixtures on-site in-time.

4" 6" 8" 10"
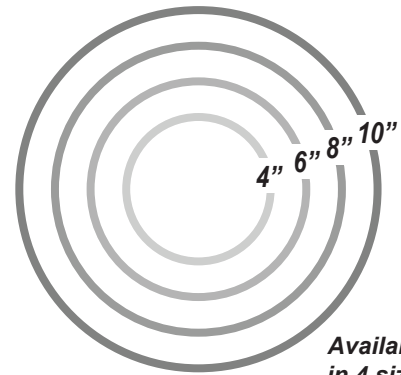
Available in 4 sizes

AVAILABLE CONFIGURATIONS
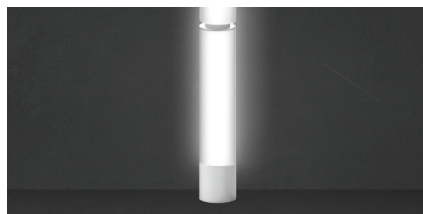
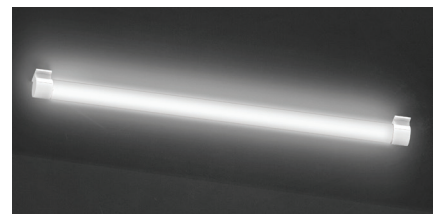|		
Straight	Curved Bends	T-Welds
L-Welds	Vertical Columns	Surface Mount
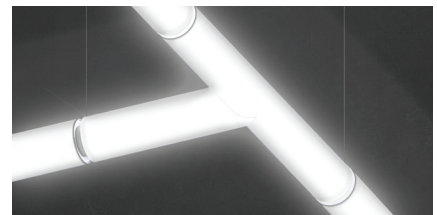
AVAILABLE FINISH OPTIONS

Metal

Acoustic

CUSTOM RAL

+ MORE

www.barbican.ca/lighting | 1.800.663.5781 | sales@barbican.ca

HPC3
X-WELD

barbican lighting

SPECIFICATION (1/2)

🕐 **10 day quick-ship** *(see following pages for quick-ship information, limitations and requirements)*

Fixture	Diameter	Length	Mounting	Driver Location	Voltage
22-X					**UNV**

Fixture		Diameter		Length		Mounting		Driver Location		Voltage	
22-X	HPC3	**4D**	4"	**48L**	48"	**ACM**	Aircraft Cable	**SCDL**	Surface Canopy	**UNV**	120/277 Volts
		6D	6"	**CUSL**	Custom length	**SFM**	Surface Mount*	**RDDL**	Remote Driver		*Consult factory for other voltages*
		8D	8"				*Consult factory for surface mounting*	**ADDL**	ACT Remote Driver		
		10D	10"					**RCDL**	Recessed Canopy		
							* Requires "RD" Remote Driver option				

Canopy Finish		End Cap Finish		Power Cable Finish		Source	
WCF	White	**WEC**	White	**WPC**	White	**0800LM**	Standard 800 lm/ft (8W/ft) *standard for 4"*
BCF	Black	**BEC**	Black	**BPC**	Black	**1200LM**	Standard 1200 lm/ft (12W/ft) *standard for 6"*
SCF	Silver	**SEC**	Silver	**XPC**	None	**CUSLM**	Custom Lumen Output* *600lm/ft - 4800lm/ft; Consult factory for outputs outside of this range*
RAL	Custom *RAL North America; Consult factory*	**RAL**	Custom *RAL North America; Consult factory*		*for use with "SM" Surface Mount only*		

* Maximum output varies by diameter
4" - 1600 lm/ft (16W/ft)
6" - 1600 lm/ft (16W/ft)

Color Temperature				Color Rendering	Dimming Driver		Options Continued on Next Page
				90CRI			

Color Temperature				Color Rendering	Dimming Driver	
2700K 2700K	**2765K**	Tunable White* *2700K - 6500K*		**90CRI** 90+ CRI	**S010V10**	Standard 0-10V, 10%
3000K 3000K	**RGB30**	RGBW* *RGB + 3000K*			**S010V01**	Standard 0-10V, 1%
3500K 3500K	**3000FS**	Full Spectrum *3000K*			**E010V01**	eldoLED 0-10V, 1%
4000K 4000K	**3500FS**	Full Spectrum *3500K*			**EDALI01**	eldoLED DALI, 0.1%
5000K 5000K	**CUSK**	Custom CT *2400K - 6000K;*			**EDMX01**	eldoLED DMX, 0.1%
		* Only available in 6", 8", and 10"			**LECO01**	Lutron EcoSense, 1%
		*Consult factory for CT options in this column			**MOLPOE**	Molex POE Node
		Full spectrum .95 reduced output contact factory			**CUSDD**	Other Driver Options *Consult factory for availability of other driver options*

Barbican Lighting - HQ
479 Central Avenue
Fort Erie, ON, CA, L2A 3T9

Barbican Lighting - USA
266 Elmwood Avenue, Unit #386
Buffalo, NY, 14222

Page 2 of 16
Last modified: 02/14/2022

www.barbican.ca/lighting | 1.800.663.5781 | sales@barbican.ca

SPECIFICATION (2/2)

10 day quick-ship *(see following pages for quick-ship information, limitations and requirements)*

Modular Configuration*

Acoustics

NCMC	No Configuration
CUSMC	Custom Configuration
	Drawing Required. Consult factory

* *See following pages for corners and configuration options*

NOAC	No Acoustics
ADAC	Add Acoustics
	Consult factory for availability

WRITTEN SPECIFICATIONS

LED System

- LED Circuitry is applied to minimum 0.0625" thick aluminum extruded cores for excellent heat management. Fixture uses *Four-Core and Six-Core Technology* to provide even illumination in all directions.

- LEDs are 90+CRI, 3 SDCM.

- 4 foot fixture performance at 3000K 90CRI, 6896lms, 61.44 Watts, 112 LPW Delivered

Construction

- Diffuser: 0.120" Extruded PETG (polyethylene terephthalate glycol-modified); which is a variant of PET used in water bottles everywhere. Designed to be used in environments where high levels of disinfectant products are used. It is also has a much higher impact resistance than Acrylic and is available up to 20 feet in single lengths.

  - Barbican uses a proprietary diffusion formula PETG which in conjunction with the LED system provides excellent efficiencies of up to 115 lumens per watt at 3000K 90+ CRI.

- Metal construction to be aluminum minimum 0.0625" thickness. Fasteners are to be stainless steel.

- Cable grippers are nickel plated solid brass and stainless steel. Cables are 1/16" stainless steel.

- Canopies and driver housings are minimum 0.0625" aluminum.

Mounting

- Surface cable mounts are nickel plated solid brass and are supplied with escutcheon plates for through surface power cables. Power cables are low voltage from the canopy/remote mounted drivers.

- Drivers: All drivers are mounted remote from the fixture. Standard drivers include 0-10V 10% dimming 120/277V with Power Factor of >.9. Barbican works with most Control and Driver manufacturers including POE and can easily modify the driver housings for special control gear. Fixtures over 96W may require more than one driver per fixture.

- Emergency fixtures are supplied with leads and KO for UL924 relays (by others). Battery back up will usually only drive one or two of the cores in larger fixtures to maintain the 90 minute requirement. Maximum distance driver to fixture 15 feet.

- Labels: ETL US and Canada, CE Europe and Middle East (Dry, Damp indoor use only)

- Finish: Polyester Powder Coated standard, Hand Brushed Aluminum

- Lumen Maintenance: Reported L90 > 10,000hrs, Calculated > 60,000hrs (TM-21)

- Warranty: 5 years limited at 25 Celsius. Contact Barbican for additional information.

LABELS

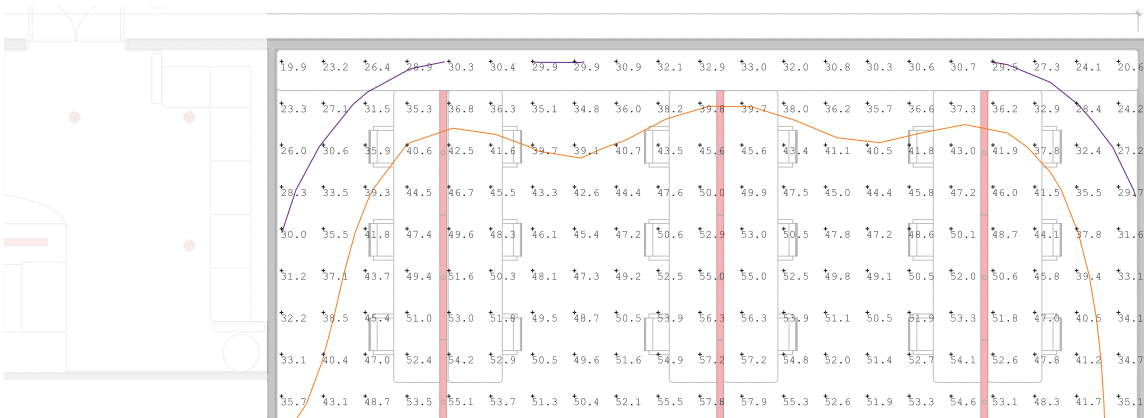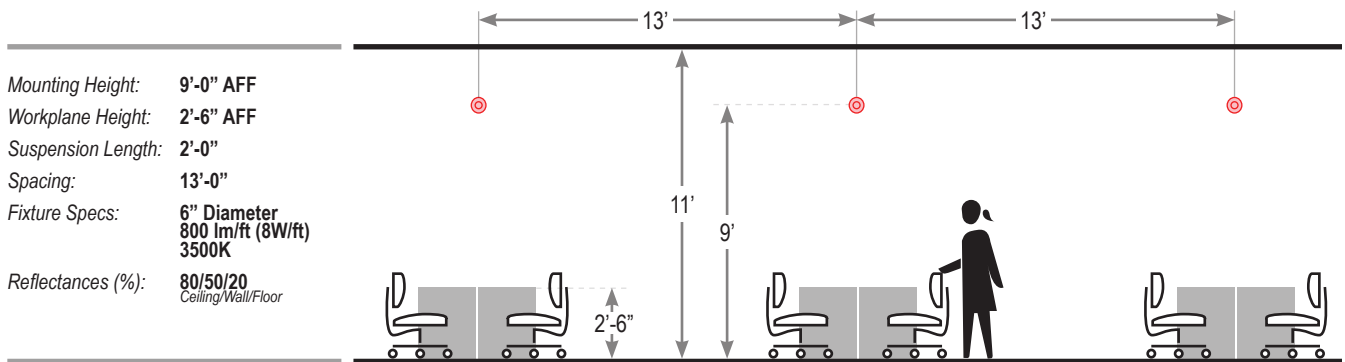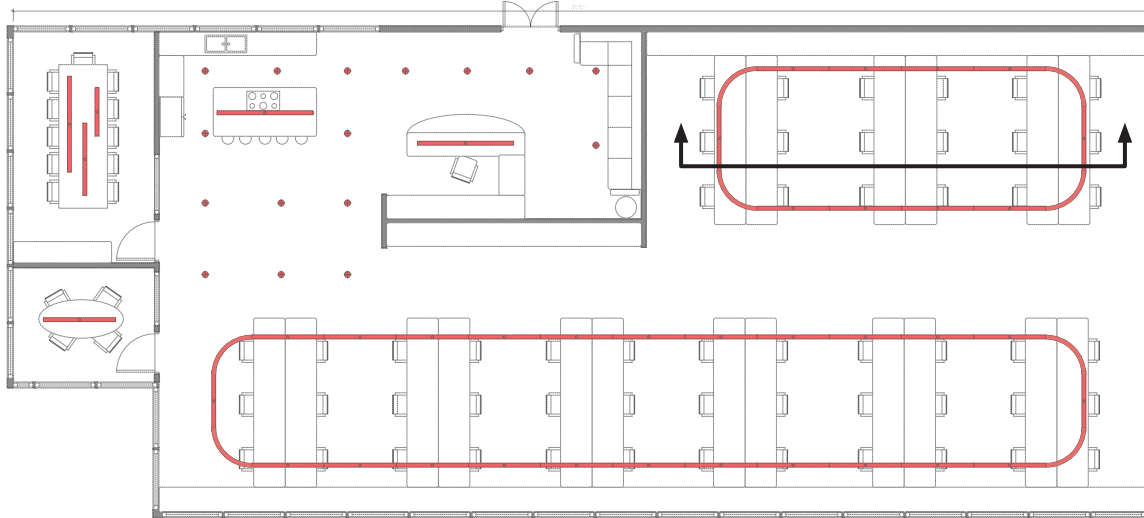|						
ETL/CE Listed	Dry/Damp Rated	5-Year Warranty	Power Over Ethernet	Tunable White	RGBW Color Tuning	Full Spectrum

Barbican Lighting - HQ
479 Central Avenue
Fort Erie, ON, CA, L2A 3T9

Barbican Lighting - USA
266 Elmwood Avenue, Unit #386
Buffalo, NY, 14222

Page 3 of 16

Last modified: 02/14/2022

www.barbican.ca/lighting | 1.800.663.5781 | sales@barbican.ca

© 2022 Barbican. All Rights Reserved. Specifications subject to change or withdrawal without notice.

barbican lighting

EXAMPLE LAYOUT (1/2)

Mounting Height:	**9'-0" AFF**
Workplane Height:	**2'-6" AFF**
Suspension Length:	**2'-0"**
Spacing:	**13'-0"**
Fixture Specs:	**6" Diameter** **800 lm/ft (8W/ft)** **3500K**
Reflectances (%):	**80/50/20** Ceiling/Wall/Floor

Barbican Lighting - HQ
479 Central Avenue
Fort Erie, ON, CA, L2A 3T9

Barbican Lighting - USA
266 Elmwood Avenue, Unit #386
Buffalo, NY, 14222

Page 4 of 16

Last modified: 02/14/2022

www.barbican.ca/lighting | 1.800.663.5781 | sales@barbican.ca

© 2022 Barbican. All Rights Reserved. Specifications subject to change or withdrawal without notice.

HPC3
X-WELD

EXAMPLE LAYOUT (1/2)

Mounting Height:	**9'-0" AFF**
Workplane Height:	**2'-6" AFF**
Suspension Length:	**2'-0"**
Fixture Scale:	**12'-0" x 30'-0"**
Fixture Specs:	**6" Diameter** **700 lm/ft (7W/ft)** **3500K**
Reflectances (%):	**80/50/20** Ceiling/Wall/Floor

Barbican Lighting - HQ
479 Central Avenue
Fort Erie, ON, CA, L2A 3T9

Barbican Lighting - USA
266 Elmwood Avenue, Unit #386
Buffalo, NY, 14222

Page 5 of 16

Last modified: 02/14/2022

www.barbican.ca/lighting | 1.800.663.5781 | sales@barbican.ca

barbican lighting
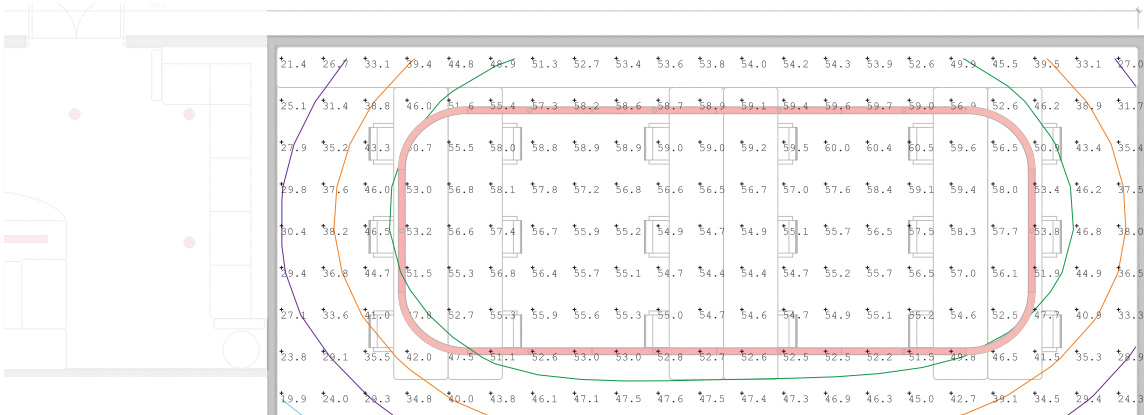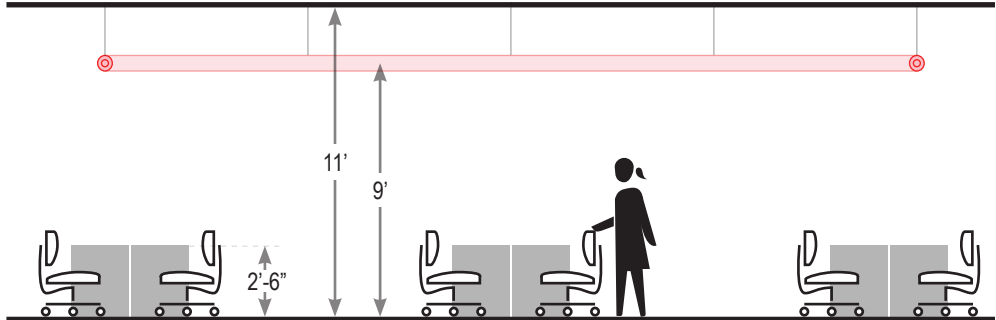
APPLICATIONS

Lighting Designer: **AE Design;** *Architect:* **IA Interior Architects;** *Photographer:* **Madeline J Studios**

International Co-Working Space

An international co-working client required a 6" **HPC³**
with custom outputs as well as CE/ETL listed versions for
installations worldwide. Special swappable end-caps were
developed with the client's design team to provide a distinct
color-matched branding in all locations.

Barbican Lighting - HQ
479 Central Avenue
Fort Erie, ON, CA, L2A 3T9

Barbican Lighting - USA
266 Elmwood Avenue, Unit #386
Buffalo, NY, 14222

Page 6 of 16

Last modified: 02/14/2022

www.barbican.ca/lighting | 1.800.663.5781 | sales@barbican.ca

barbican lighting

APPLICATIONS

*Designer: **Andrew Cook**; Photographer: **Ric Marder Imagery***

Midtown NYC Conference Space

This Midtown New York City office used the modular nature of the **HPC³** Curve as well as the on-site rotation to create this impactful and unique center piece for their conference room. This installation uses all standard **HPC³** Curve sections.
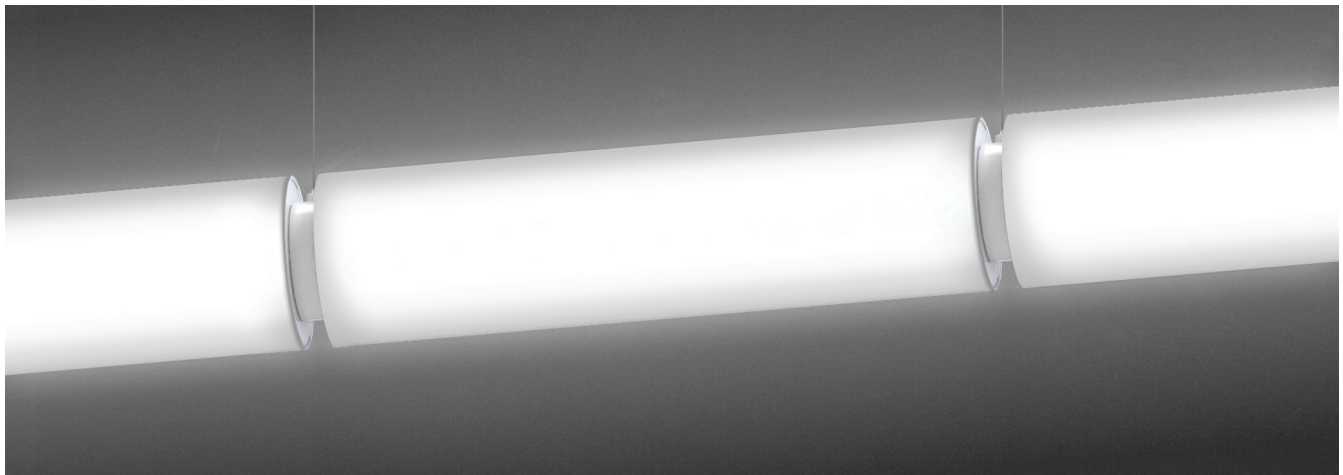
Barbican Lighting - HQ
479 Central Avenue
Fort Erie, ON, CA, L2A 3T9

Barbican Lighting - USA
266 Elmwood Avenue, Unit #386
Buffalo, NY, 14222

Page 7 of 16

Last modified: 02/14/2022

www.barbican.ca/lighting | 1.800.663.5781 | sales@barbican.ca

© 2022 Barbican. All Rights Reserved. Specifications subject to change or withdrawal without notice.

HPC3
X-WELD

barbican lighting

FIXTURE CONFIGURATIONS

Cross Sections

∅ 4"

∅ 6"

∅ 8"

∅ 10"

Straight Sections

LENGTH

DIAMETER

1"

Barbican Lighting - HQ
479 Central Avenue
Fort Erie, ON, CA, L2A 3T9

Barbican Lighting - USA
266 Elmwood Avenue, Unit #386
Buffalo, NY, 14222

Page 8 of 16
Last modified: 02/14/2022

www.barbican.ca/lighting | 1.800.663.5781 | sales@barbican.ca

© 2022 Barbican. All Rights Reserved. Specifications subject to change or withdrawal without notice.

barbican lighting
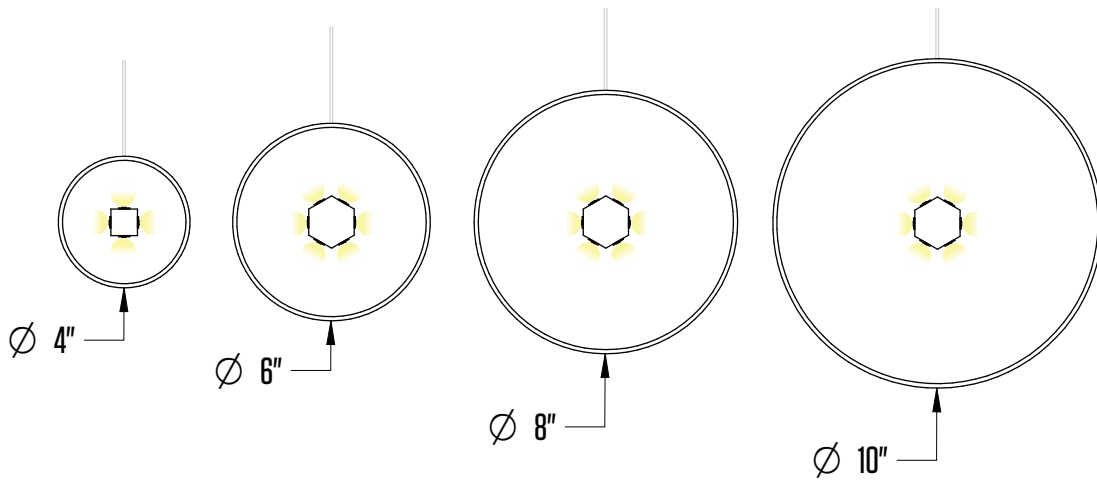
AVAILABLE CONFIGURATIONS

Curved Bends

Click here for Stand Alone Curved Bend specifications and options.
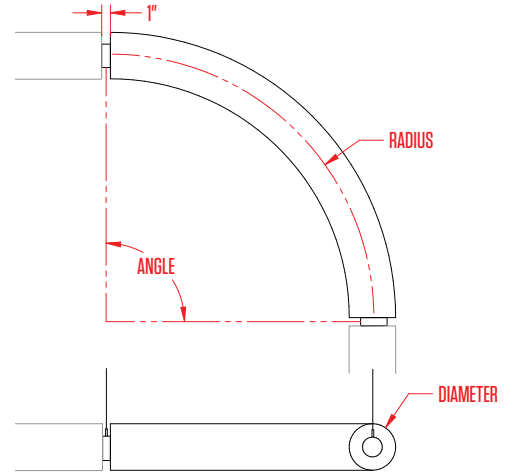
Radius Options: **24", 36", 48"**
Angle Options: **45°, 90°, custom**
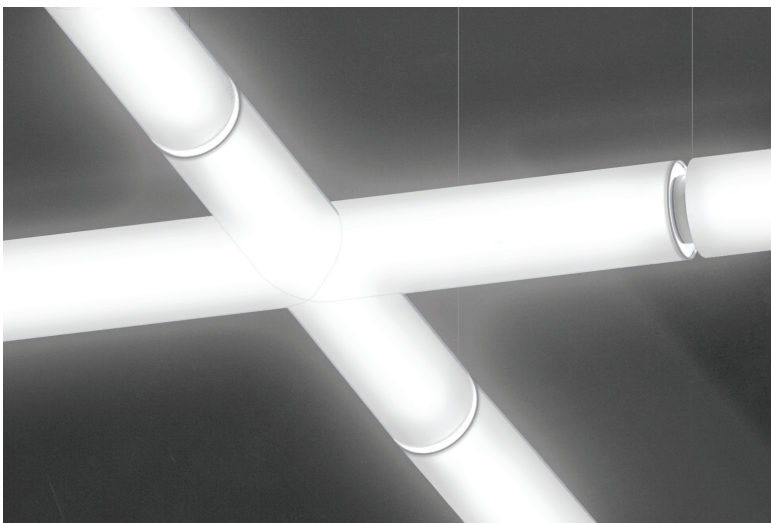Diameter Options: **4", 6"**

L-Weld Corner

Click here for Stand Alone L-Weld specifications and options.
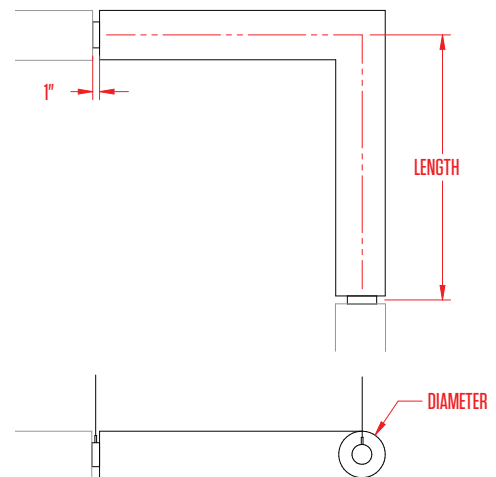
Length Options: **24", custom**
Angle Options: **45°, 135°, custom**
Diameter Options: **4", 6", 8", 10"**

Barbican Lighting - HQ
479 Central Avenue
Fort Erie, ON, CA, L2A 3T9

Barbican Lighting - USA
266 Elmwood Avenue, Unit #386
Buffalo, NY, 14222

Page 9 of 16
Last modified: 02/14/2022

www.barbican.ca/lighting | 1.800.663.5781 | sales@barbican.ca

© 2022 Barbican. All Rights Reserved. Specifications subject to change or withdrawal without notice.

barbicanlighting

AVAILABLE CONFIGURATIONS (cont.)

T-Weld Corner
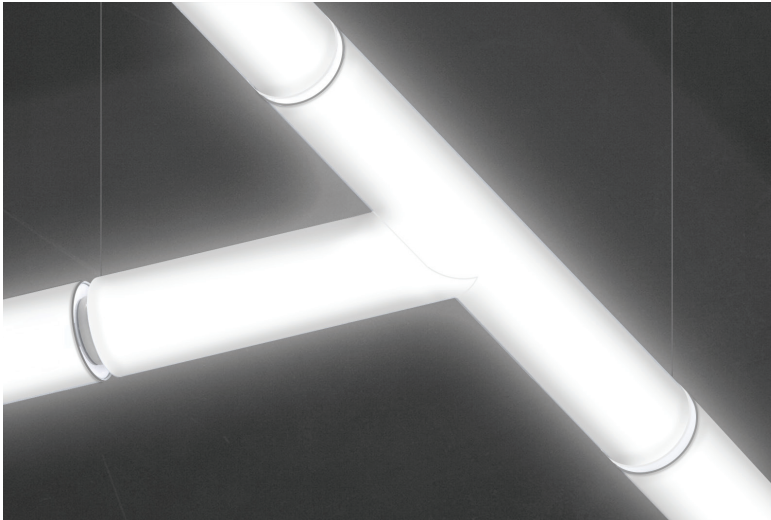
Click here for Stand Alone T-Weld specifications and options.

LENGTH

1"
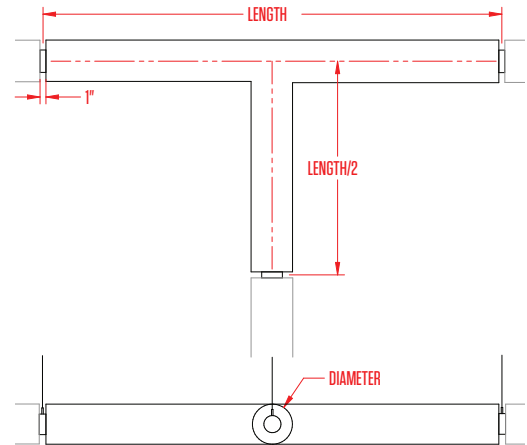
LENGTH/2

DIAMETER

Length 1 Options: **48", custom**
Length 2 Options: **24", custom**
Diameter Options: **4", 6", 8", 10"**

X-Weld Junction

*Click here for Stand Alone X-Weld specifications and options.*

LENGTH

LENGTH

1"
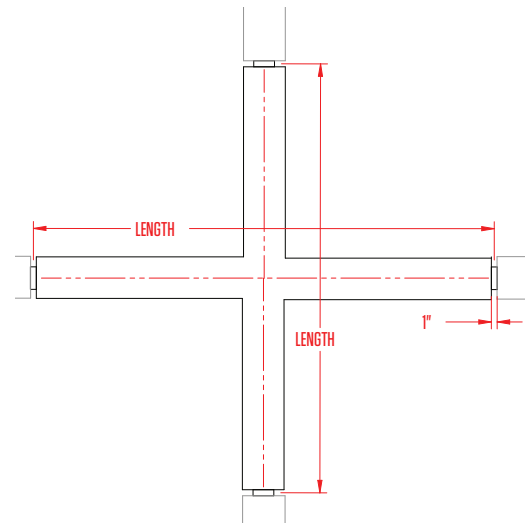
Length Options: **48", custom**
Diameter Options: **4", 6", 8", 10"**

Barbican Lighting - HQ
479 Central Avenue
Fort Erie, ON, CA, L2A 3T9

Barbican Lighting - USA
266 Elmwood Avenue, Unit #386
Buffalo, NY, 14222

Page 10 of 16

Last modified: 02/14/2022

www.barbican.ca/lighting | 1.800.663.5781 | sales@barbican.ca

© 2022 Barbican. All Rights Reserved. Specifications subject to change or withdrawal without notice.

barbican lighting

AVAILABLE CONFIGURATIONS (cont.)

Column

Click here for Stand Alone Column specifications and options.
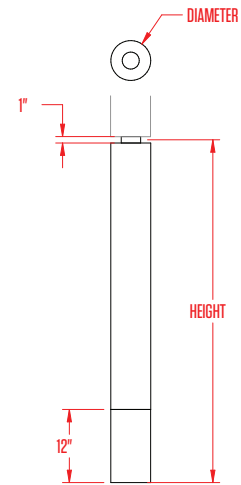
Height Options: **48", 60", 72", 84", 96", custom**
Diameter Options: **4", 6"** - *Wall/Ceiling Supported*
8", 10" - *Floor Mount*

Consult Factory for other options

Barbican Lighting - HQ
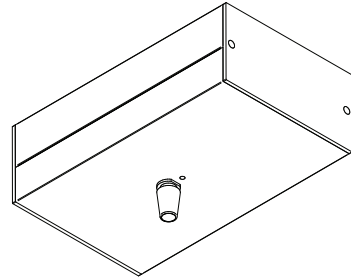*479 Central Avenue*
Fort Erie, ON, CA, L2A 3T9

Barbican Lighting - USA
266 Elmwood Avenue, Unit #386
Buffalo, NY, 14222

Page 11 of 16

Last modified: 02/14/2022

www.barbican.ca/lighting | 1.800.663.5781 | sales@barbican.ca

HPC3
X-WELD

barbicanlighting

SPECIFICATION DETAILS (cont.)

Surface Canopy (SC)

White Power Cord
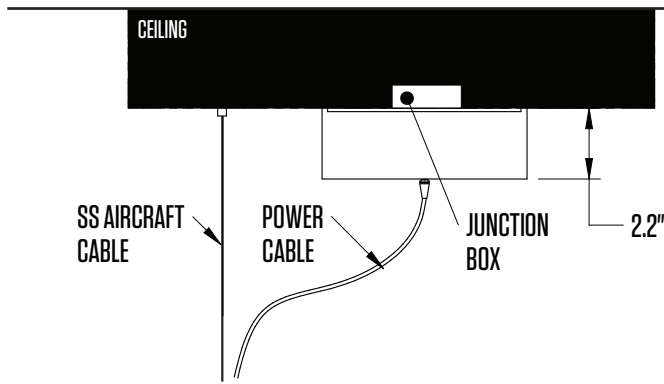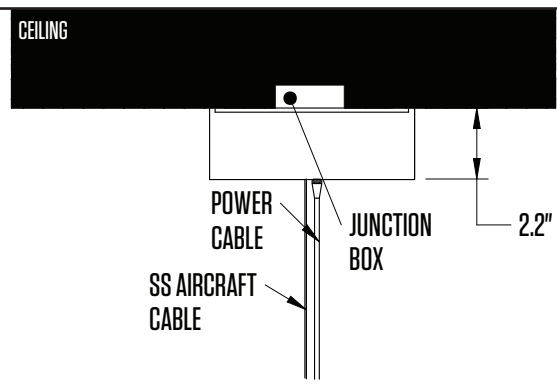
Black Power Cord

CEILING

SS AIRCRAFT CABLE · POWER CABLE · JUNCTION BOX · 2.2"

Offset Surface Ceiling Location Mounting Side View

CEILING

POWER CABLE · JUNCTION BOX · SS AIRCRAFT CABLE · 2.2"

Surface Ceiling Location Mounting Side View

7.2" · 4.2"

Offset Surface Ceiling Location Mounting Bottom View

7.2" · 4.2"

Surface Ceiling Location Mounting Bottom View

Barbican Lighting - HQ
479 Central Avenue
Fort Erie, ON, CA, L2A 3T9

Barbican Lighting - USA
266 Elmwood Avenue, Unit #386
Buffalo, NY, 14222

Page 12 of 16
Last modified: 02/14/2022

www.barbican.ca/lighting | 1.800.663.5781 | sales@barbican.ca

© 2022 Barbican. All Rights Reserved. Specifications subject to change or withdrawal without notice.

barbican lighting
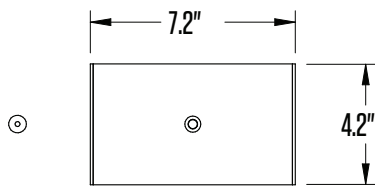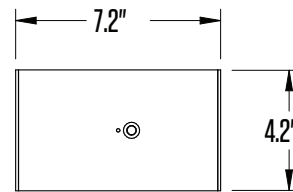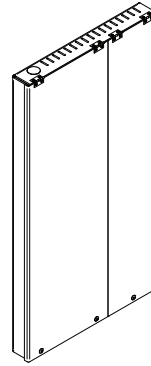
SPECIFICATION DETAILS (cont.)
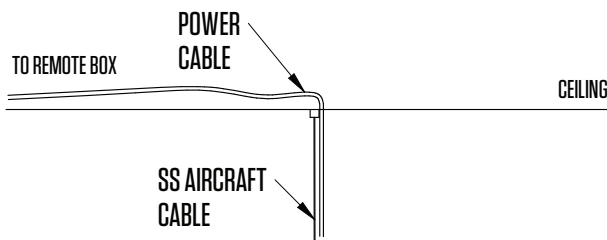
**Remote Driver
(RD)**
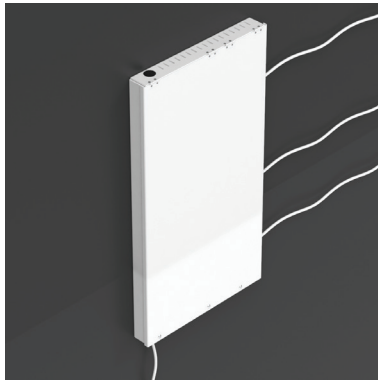
White Power Cord
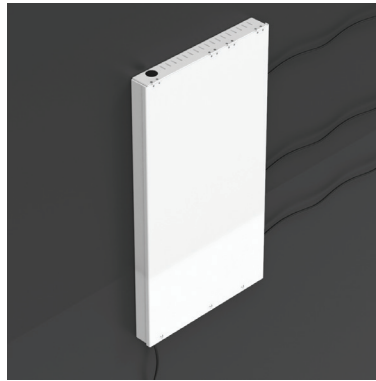
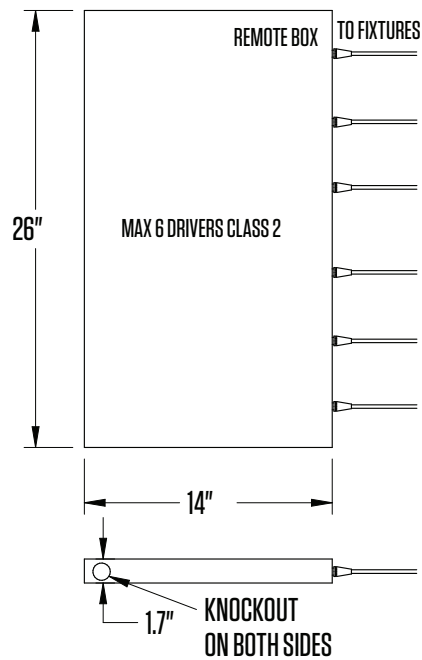
Black Power Cord
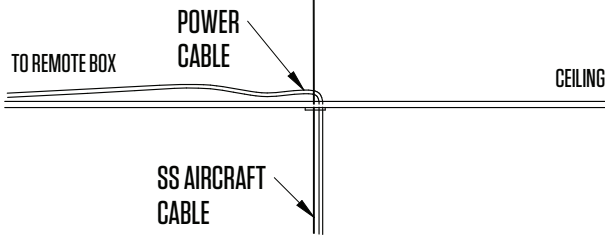
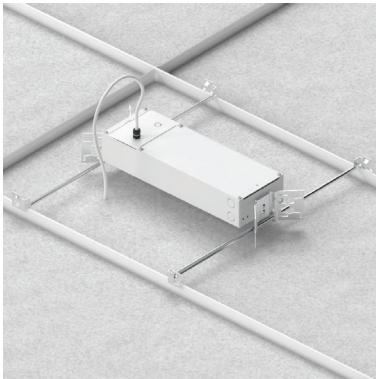*Acoustic Ceiling Power Supply Box Mounting Side View*

Solid Ceiling Power Supply Box Mounting Side View
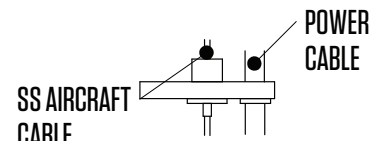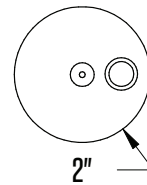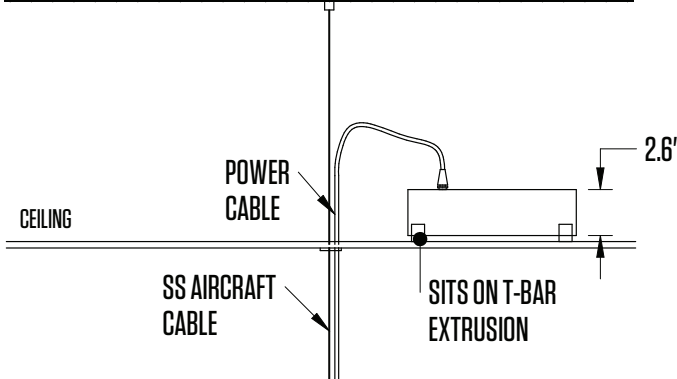

Ceiling Finishing Plate

Power Supply Box Dimensions

Barbican Lighting - HQ
479 Central Avenue
Fort Erie, ON, CA, L2A 3T9

Barbican Lighting - USA
266 Elmwood Avenue, Unit #386
Buffalo, NY, 14222

Page 13 of 16

Last modified: 02/14/2022

www.barbican.ca/lighting | 1.800.663.5781 | sales@barbican.ca

© 2022 Barbican. All Rights Reserved. Specifications subject to change or withdrawal without notice.

barbican lighting

SPECIFICATION DETAILS (cont.)

**ACT Remote
Driver (AD)**

Driver Housing
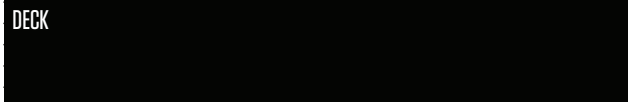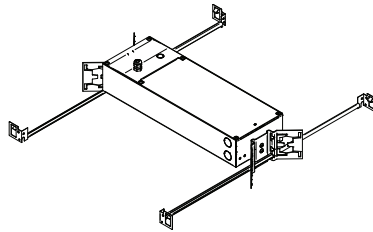
DECK

POWER
CABLE

CEILING

2.6"

SS AIRCRAFT
CABLE

SITS ON T-BAR
EXTRUSION

2"

SS AIRCRAFT
CABLE

POWER
CABLE

Above Ceiling Location Mounting Side View

Ceiling Finishing Plate

ACOUSTIC
PANEL

5.5"

24" MAX (ADJUSTABLE)

16"
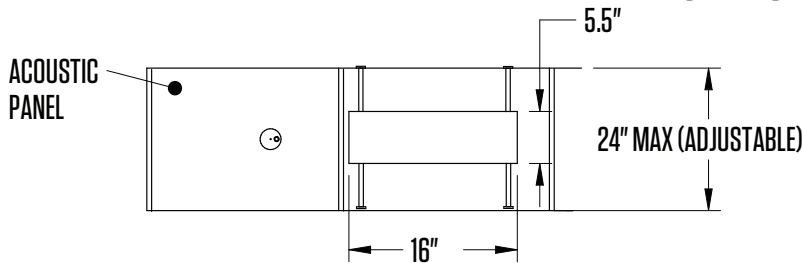
Above Ceiling Location Mounting Top View

Barbican Lighting - HQ
*479 Central Avenue
Fort Erie, ON, CA, L2A 3T9*

Barbican Lighting - USA
*266 Elmwood Avenue, Unit #386
Buffalo, NY, 14222*

Page 14 of 16
Last modified: 02/14/2022

www.barbican.ca/lighting | 1.800.663.5781 | sales@barbican.ca

barbican lighting

SPECIFICATION DETAILS (cont.)

**Recessed Canopy
(RC)**

White Power Cord

Black Power Cord

CEILING

4.2"

11"

POWER
CABLE

SS AIRCRAFT
CABLE

Flush Ceiling Location Mounting Side View

13.5"

5"
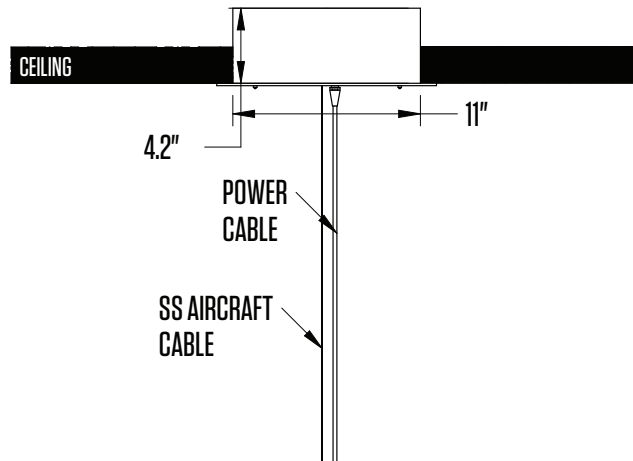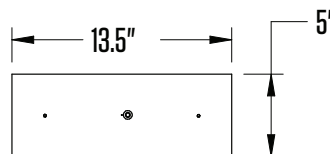
Flush Ceiling Location Mounting Bottom View

QUICK SHIP

10 day quick-ship

Barbican's Quick Ship program offers a **two-week (10 business day) lead time** for specific standard fixtures with select options. The standard fixtures in this program include **HPC³** Straight, Drum, Halo and HPC. See spec sheet and website for available options.

HPC3 Straight is available in quantities **up to 50 fixtures per order.** Quick ship date will be confirmed at time of quotation if the order is placed within 5 working days. The order will be acknowledged within 24 hours of receipt of a clean PO. **A clean PO must include the correct catalog numbers, quantities and "Quick Ship" clearly identified**.
Lead time will be 10 business days from the acknowledgment date.

Larger quantities and additional options may be possible.

10 day lead time does not include factory Summer, Christmas or Government mandated shutdowns, statutory holidays (Canadian) or weekends. Change orders will affect lead time and may incur additional costs. Please consult factory.

Barbican cannot be held responsible for any delivery delays caused by the freight company after the product has left our facility. The freight company is solely responsible for any delays. Barbican will accommodate the customer's own freight company on request.

Note that Barbican may be able to ship other products in an expedited manner. Please consult Barbican for lead times.

Barbican Lighting - HQ
479 Central Avenue
Fort Erie, ON, CA, L2A 3T9

Barbican Lighting - USA
266 Elmwood Avenue, Unit #386
Buffalo, NY, 14222

Page 16 of 16

Last modified: 02/14/2022

www.barbican.ca/lighting | 1.800.663.5781 | sales@barbican.ca