

# Surface DONUT

FLUSH MOUNT



One of our most popular fixtures, the Surface Donut has found its home in hospitals, schools, office buildings and more.

Fully enclosed and washable, any dirt or debris will stay on the exterior of the fixture where it can easily be disinfected and wiped away, making it suitable for interiors with high sanitary requirements, such as healthcare and foodservice facilities.

Manufactured with Barbican's laminated shade material, ensures that the fixture is durable and less prone to damage during installation and day to day interactions than traditional fabric shades.

**The Donut is available in four different heights and five different diameters.**

The inside diameter is always 16" less than the overall (outer) diameter.

- 24" = Outer is 24 | Inner is 8
- 30" = Outer is 30 | Inner is 14
- 36" = Outer is 36 | Inner is 20
- 42" = Outer is 42 | Inner is 26
- 48" = Outer is 48 | Inner is 32

## RELATED FIXTURES



## AVAILABLE FINISH OPTIONS

Laminated Fabric						Printed Pattern				
Natural Wood						Natural Stone				Artisan Collection
Acoustic						Metal				

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## SPECIFICATION (1/2)

Fixture	Diameter	Height	Shade Finish Category*	Shade Finish Selection*	Diffuser
<b>16-42</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<b>HTO</b>
<b>16-42</b> Surface Donut	<b>24D</b> 24" <b>30D</b> 30" <b>36D</b> 36" <b>42D</b> 42" <b>48D</b> 48"	<b>8H</b> 8" <b>10H</b> 10" <b>12H</b> 12" <b>18H</b> 18"	<b>LF</b> Laminated Fabric * <b>FF</b> Fabric Free <b>PS</b> Printed Pattern <b>PW</b> Natural Wood <b>PSF</b> Natural Stone <b>PSASP</b> Sarah Phelps ** <b>PSAKC</b> Kaleidoscope ** <b>PSAAP</b> Aleta Pippin ** <b>CP</b> Custom Printing <i>Consult factory</i>	<input type="text"/> Finish Name <i>* Please visit <a href="http://barbican.ca/resources">barbican.ca/resources</a> to view finishes or choose from the laminated materials lightbox in the drum product builder on our website.</i>  <i>** If choosing FF for Fabric Free for Shades Finish Category, no selection is required here.</i>	HTO Opal

*\* See following pages for examples/ names of all Laminated Fabric finishes*  
*\*\* Part of Barbican's [Artisan Collection](#)*

Mounting	Driver Location	Voltage	Top Plate Finish	Color Temperature
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>SFM</b> Surface Mount	<b>INDL</b> Integral Driver <b>CUSDL</b> Custom Driver	<b>UNV</b> 120/277 Volts <i>Consult factory for other voltages</i>	<b>WTP</b> White	<i>White Sources</i> <b>2700K</b> 2700K <b>3000K</b> 3000K <b>3500K</b> 3500K <b>4000K</b> 4000K <b>3000FS</b> Full Spectrum 3000K <b>3500FS</b> Full Spectrum 3500K <b>2765K</b> Tunable White* 2700K - 6500K <b>CUSK</b> Custom CT*

*RGB / RGBW Sources*  
**RGBW** RGBW\*  
*\*Consult factory for CT options in this column*

Color Rendering	Dimming Driver	Options Continued on Next Page
<input type="text"/>	<input type="text"/>	<span style="color: orange;">▼</span> <span style="color: orange;">▼</span> <span style="color: orange;">▼</span>
<b>90CRI</b> 90+CRI <i>Full Spectrum:            Min 95+ CRI            Min R1-R15 90+            Rf 95            Rg 105</i>	<i>White Sources Static</i> <b>S010V10</b> Standard 0-10V, 10% <b>S010V01</b> Standard 0-10V, 1%, (dim to off) <b>EDALI01</b> DALI control, 0.1% <b>LECO01</b> Lutron Ecosystem, 1% SOFTB, (Soft-on, Fade-to-Black)	<i>White Sources Tunable</i> <b>TW010V</b> Tunable White 2-Channel 0-10V <b>TWDALI</b> Tunable White DALI control <b>LECOTW</b> Lutron Ecosystem, 1%, Tunable White – T series <i>RGB / RGBW Sources</i> <b>EDMX01</b> DMX, 0.1% <b>CUSDD</b> Other Driver Options <i>Consult factory for availability of other driver options (including POE and Camera Safe)</i>

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### SPECIFICATION (2/2)

### WRITTEN SPECIFICATIONS

#### LED System

- LED Circuitry is applied to minimum 0.0625" thick aluminum modules for excellent heat management. Modules are removeable for maintenance and are 90% recyclable.
- LEDs are 90+CRI, 3 SDCM.
- 36" x 8" fixture performance at 3000K 90CRI, 5689lms, 56.79Watts, 100.2 LPW Delivered (with Fabric Free Shade).
- Full Spectrum, efficiency is 88 lm/W; CRI is 96+ with all R1-R15 values at 90 or higher and Rf (fidelity) of 95, Rg (gamut) of 105.
- Tunable White, efficiency is 90 lm/W; Delivered lumens will stay consistent across full CCT range.
- RGBW maximum individual channel (Red, Green, Blue, or White) is 25% of total watts specified. Lumen outputs per channel per watt as follows:
  - White only: 84 lm/W
  - Green only: 71 lm/W
  - Red only: 24 lm/W
  - Blue only: 14 lm/WAll four channels max: 44 lm/W (approx 9000K CCT)

#### Construction

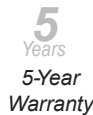
- Side Diffuser: Wet Laminated PETG (polyethylene terephthalate glycol-modified); which is a variant of PET used in water bottles everywhere. Designed to be used in environments where high levels of disinfectant products are used. It is also has a much higher impact resistance than Acrylic.
  - Barbican uses a proprietary diffusion formula PETG which in conjunction with the LED system provides excellent efficiencies of up to 95 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.
- Barbican's Drum fixtures comes standard with the shade and light engine fully enclosed to protect from ingress of dirt, dust and other site conditions.

#### Mounting

- Power cables are low voltage from the canopy drivers.
- Drivers: All drivers are mounted in the canopy. 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



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## LAMINATED FABRIC Colour Samples

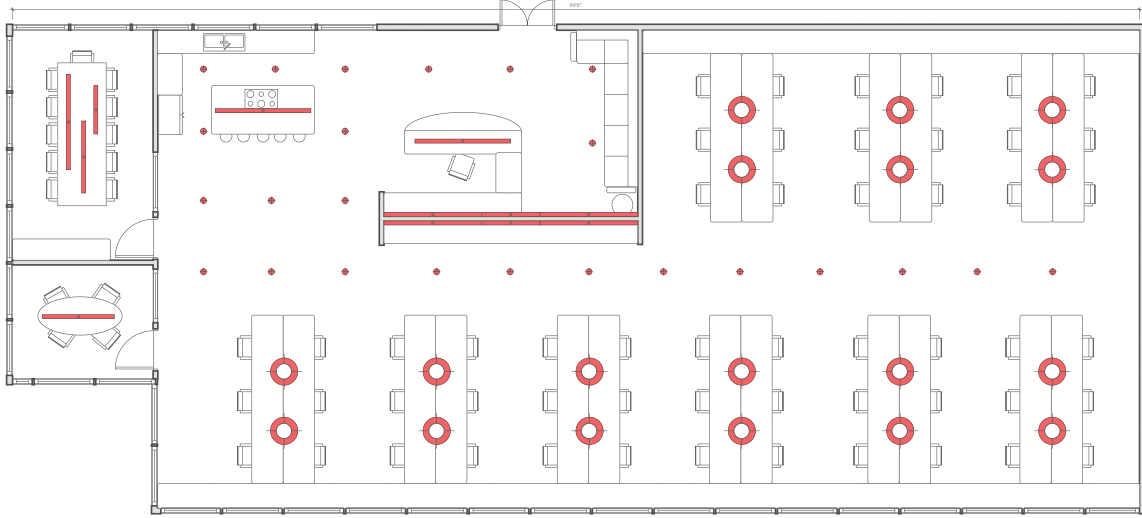


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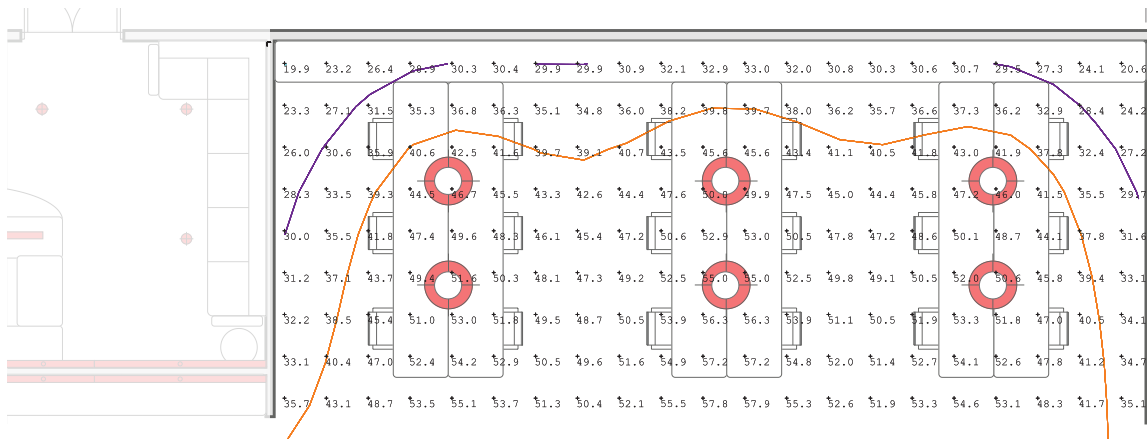
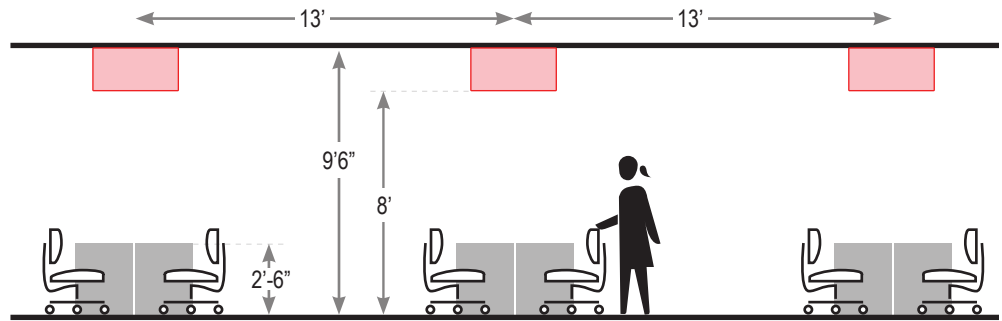
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## EXAMPLE LAYOUT



- Mounting Height: **8'-0" AFF**
- Workplane Height: **2'-6" AFF**
- Suspension Length: **9'-6"**
- Spacing: **13'-0"**
- Fixture Specs: **36" Diameter**  
**18" Height**  
**3,800 lm (36W)**  
**3500K**
- Reflectances (%): **80/50/20**  
*Ceiling/Wall/Floor*
- UGR: **<15**  
*CIE 190:2010*





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## APPLICATIONS





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## APPLICATIONS

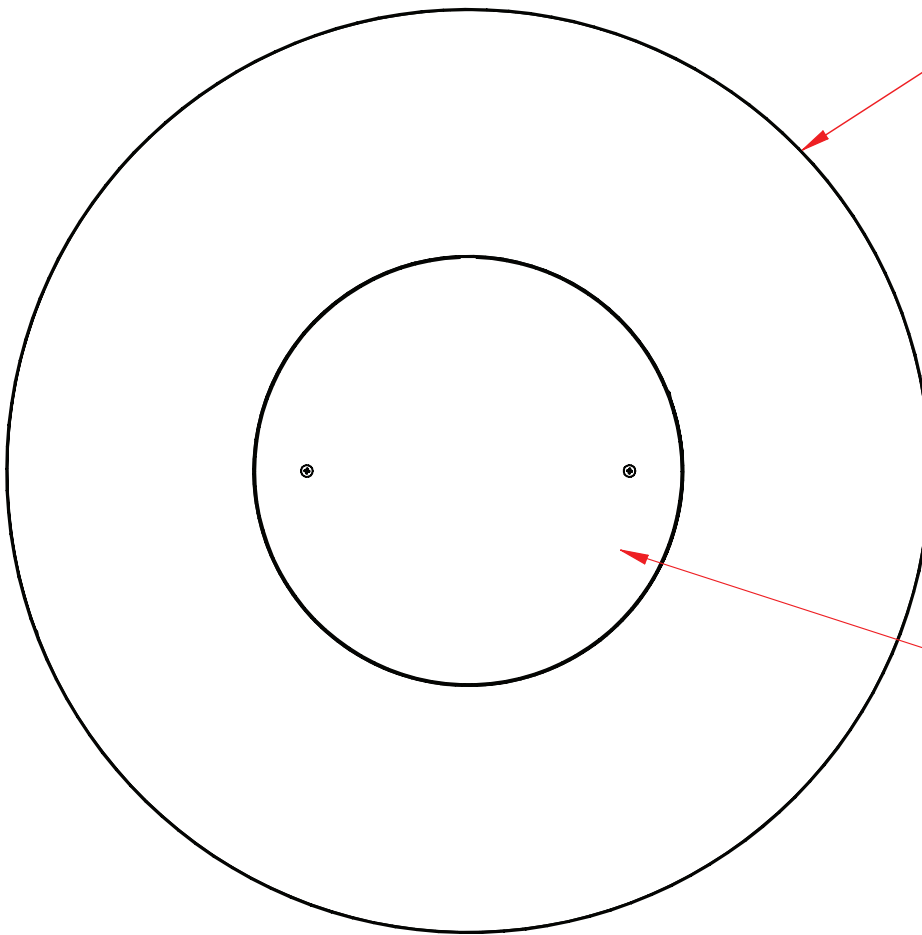
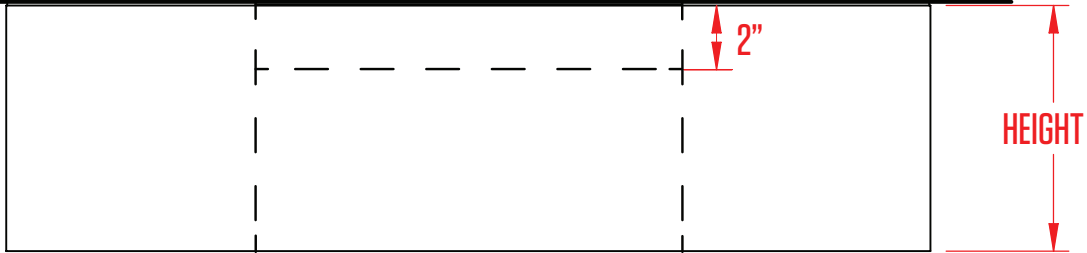


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## Line Drawing

CEILING



### DIAMETER

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Inside finish is same as top plate.  
Consult factory for custom color .