

Acoustic Ceiling Baffle

Beam LED

Beams of light

Quiet meets bright in Beam LED, a dual-purpose product for any space. Beam's integrated lighting option pairs acoustic damping with luminosity to elevate performance and aesthetics at once.



Image by The Right Exposure

How To Specify

Key Information

Beam LED can light your space in a variety of ways. Consider these questions as you design your layout.

Spacers & End Caps

Turf supplies Spacers & End Caps for baffle orders that require P1000T unistrut.

Follow the link below for more detailed information.

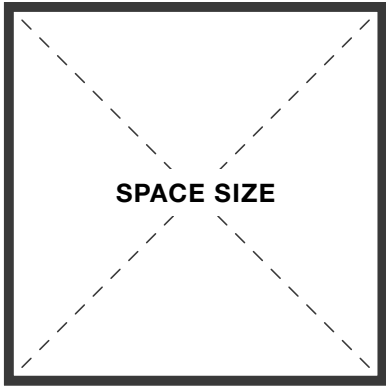
[Spacers & End Caps Guide](#)

Lighting Specifications

Please take a look at the possible lighting options available to customize Beam LED to your space.

See Lighting Details on pg. 6

1

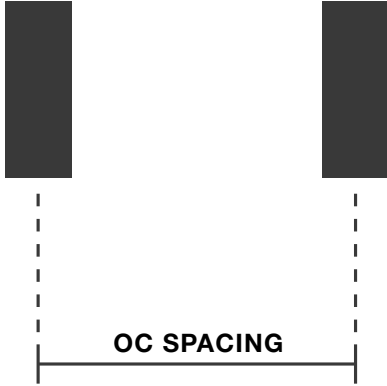


SPACE SIZE

What are the dimensions of the space?

PAGE 6

2

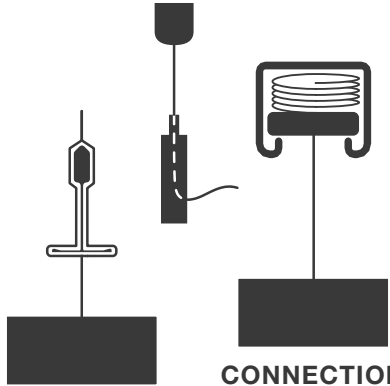


OC SPACING

What is the on center spacing?

PAGE 3

3

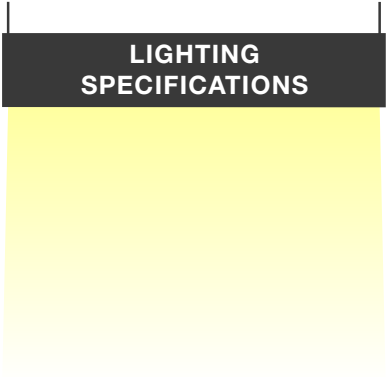


CONNECTION

How will Beam LED mount to the ceiling?

PAGE 4-5

4




LIGHTING SPECIFICATIONS

What type of lighting do you need?

PAGE 6

5



COLOR

What is the color or texture?

PAGE 9-11

Dimensions

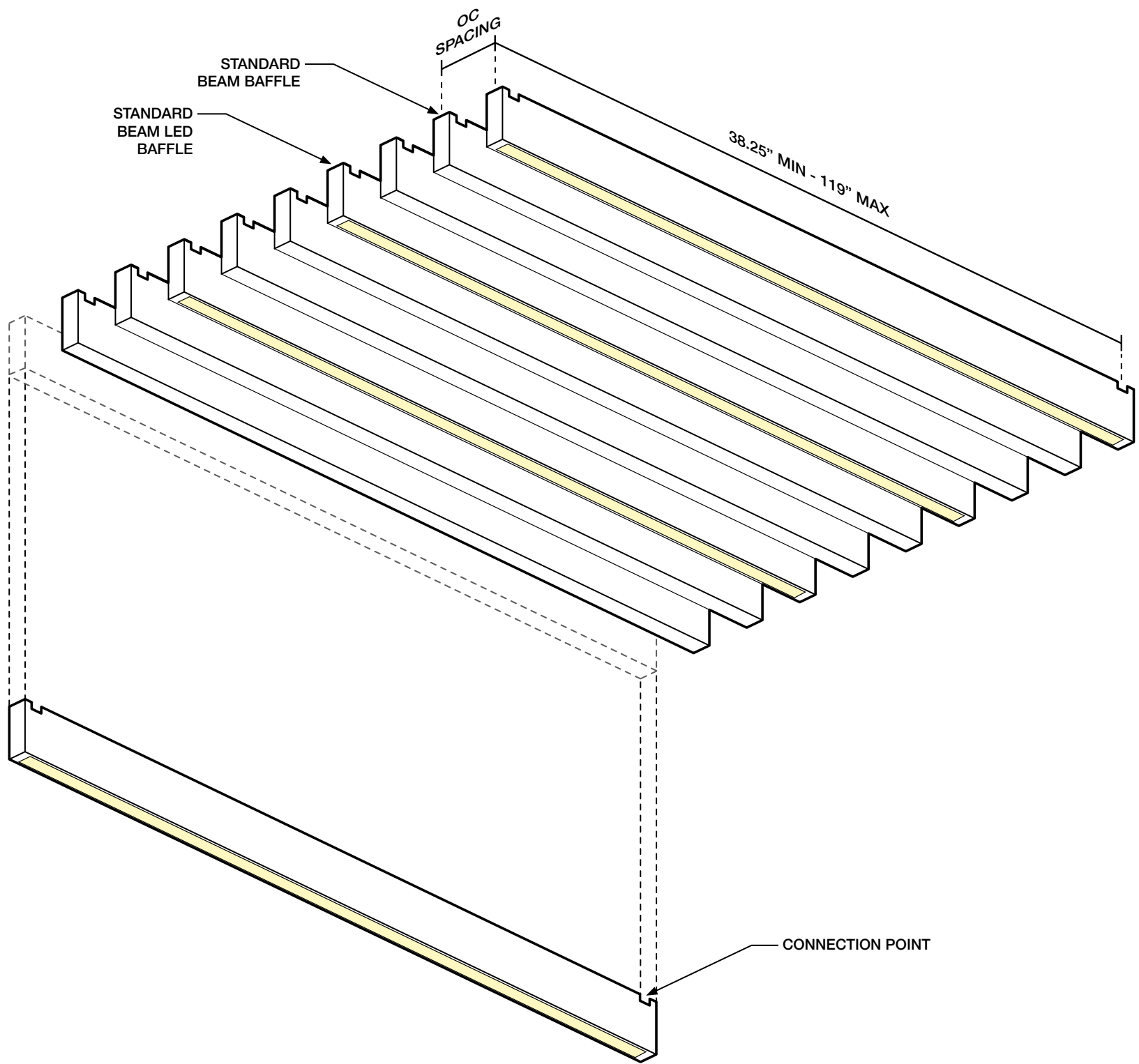
Standard Beam LED	3"W x 8"D
Variable Length	38.25"L Min - 119"L Max
Medium Range	38.25" ≤ L < 72"
Large Range	72" ≤ L ≤ 119"
Variable Depth	Custom depth for Beam LED available upon request.
Fixture Length	36", 48", 60", 72", 84", 96" Baffles can be customized to any length, the integrated fixtures comes in 1 ft increments.

Recommended Connection Options

P1000T Unistrut	Cable To Unistrut
9/16" or 15/16" Tee Grid	Embedded Nut To Grid Clip
Cable Hung	Cable To Deck See our Recommended & Alternative Connections pages for more Connection options.

Color

9mm Palette	Beam LED can be specified in any of our 9mm felt colors or textures.
Color Match	Have another color in mind? Our UV printing process can match almost any hue.



ALL DIMENSIONS NOMINAL UNLESS NOTED OTHERWISE



Recommended Connections

Connection Spacing

Connection spacing will always equal the length of the fixture.

Cable To Unistrut

Baffles with embedded cable grippers snap into aircraft cables attached to a strut channel nut.

10' aircraft cable supplied by Turf should be trimmed in the field as needed.

Embedded Nut To Grid Clip

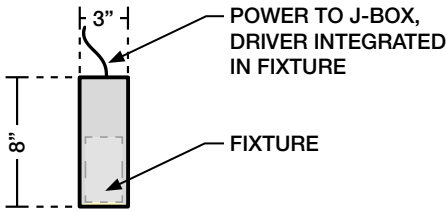
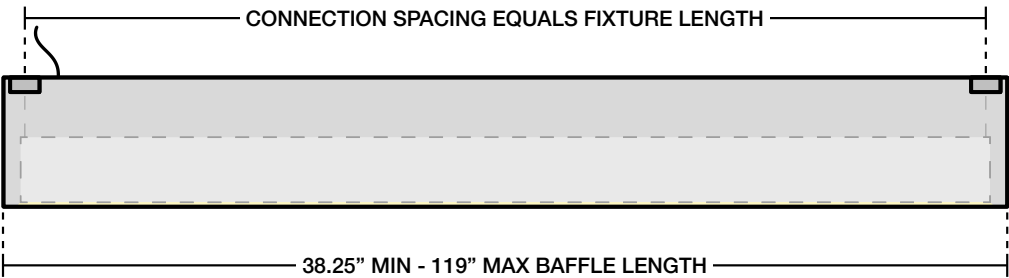
The Grid Clip attachment can be used for 9/16" or 15/16" flat tee grid. Please note, secondary cable support to deck is not supplied by Turf.

Cable To Deck

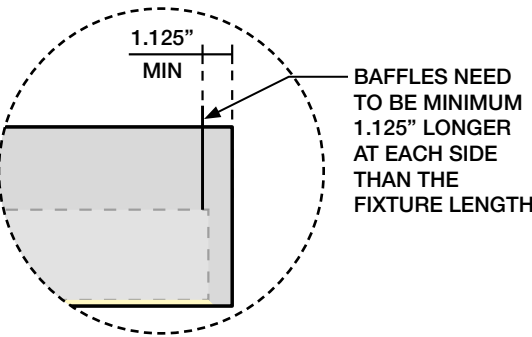
Baffles with embedded cable grippers snap into deck-mounted aircraft cables.

10' aircraft cable supplied by Turf should be trimmed in the field as needed.

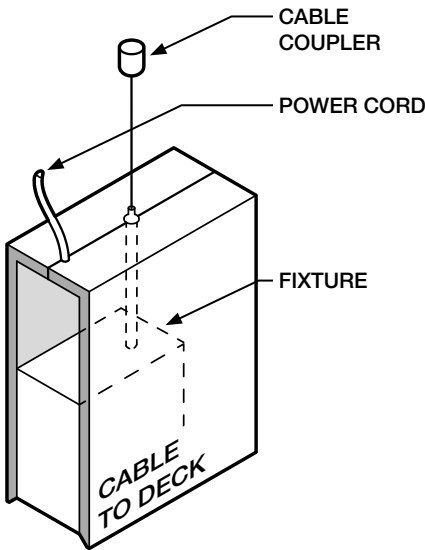
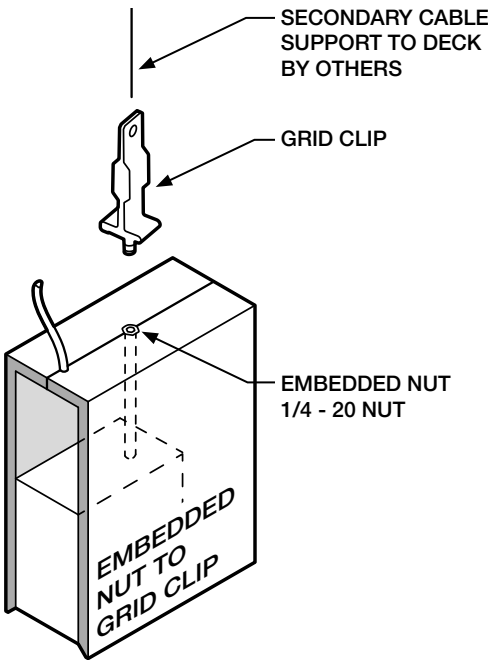
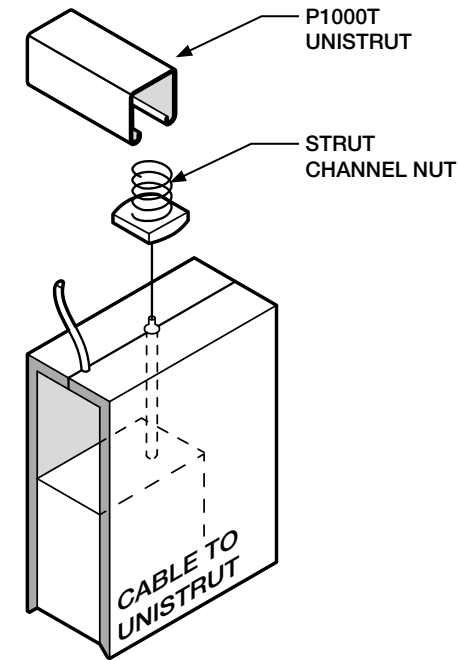
CONNECTION SPACING



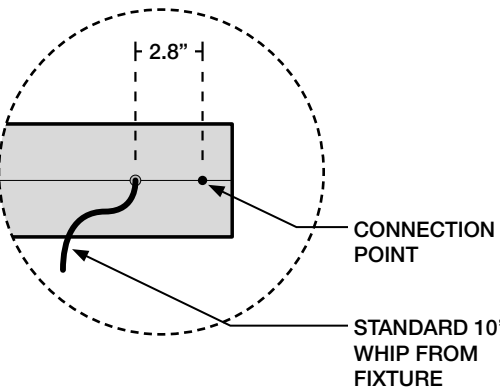
CONNECTION TO EDGE DETAIL



RECOMMENDED CONNECTIONS



TOP VIEW POWER CORD



ALL DIMENSIONS NOMINAL UNLESS NOTED OTHERWISE



Alternative Connections

Additional Options

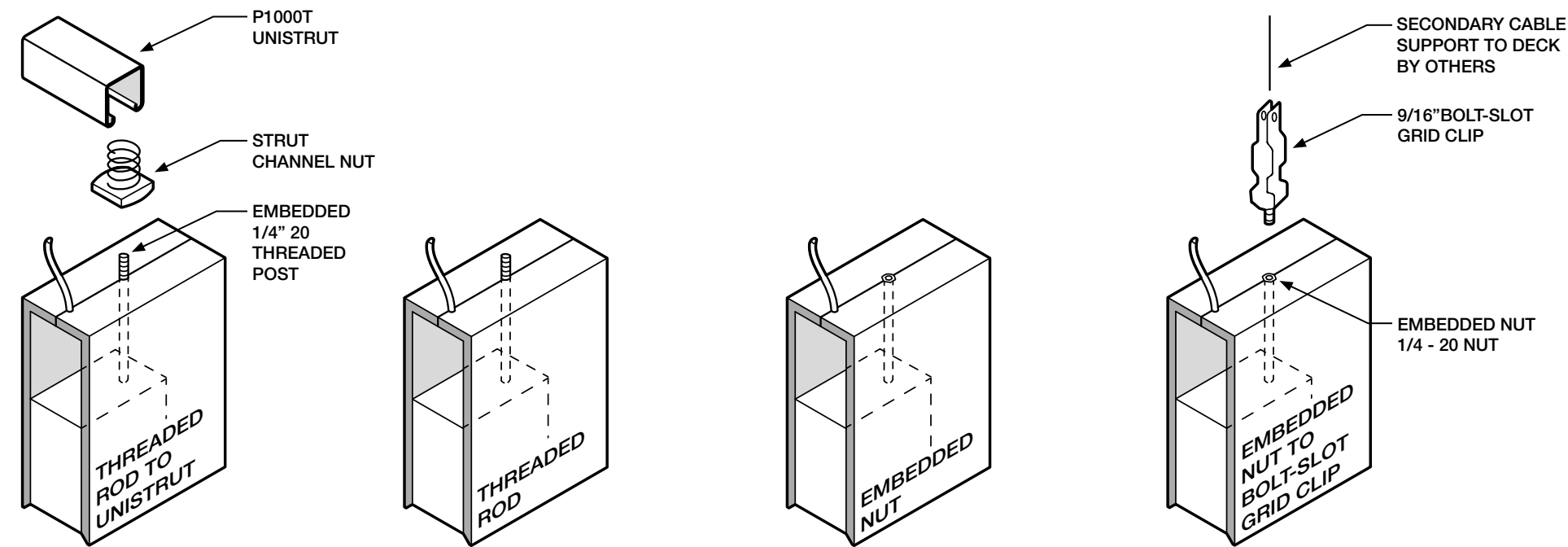
Beyond our standard connections, we offer the following connection options.

- Threaded Rod To Unistrut
- Threaded Rod
- Embedded Nut
- 9/16" Bolt-Slot Grid Clip

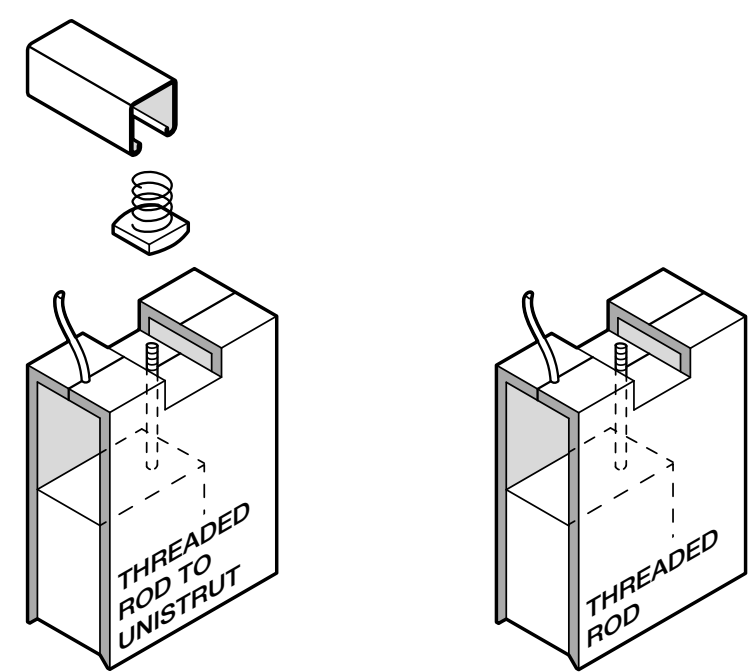
FeltLock Coordination

Beam LED can fully coordinate with our standard Beam baffles. The Threaded Rod To Unistrut & Threaded Rod connections have a notched version that works seamlessly with FeltLock.

ALTERNATIVE CONNECTIONS



FELTLOCK COORDINATED CONNECTIONS



Lighting Details

- Baffle Power Supply

Each Beam LED baffle requires its own independent junction box for each power drop. Baffles cannot be connected together in series.
- Fixture Length

The overall baffle can be customized to any length while the fixture comes in 1 ft increments.

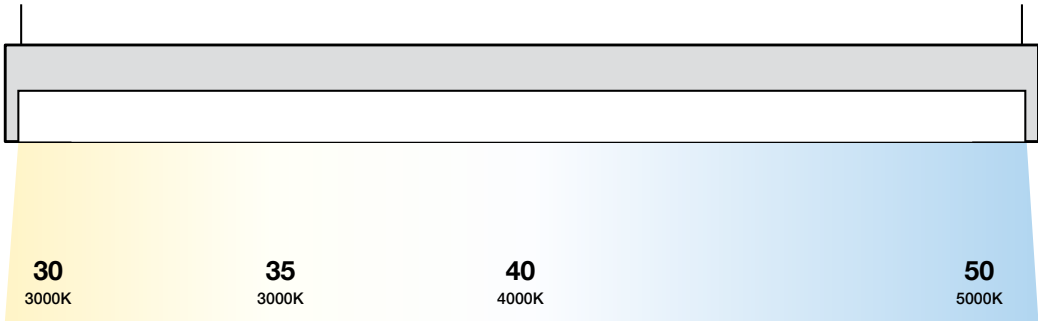
It's common to minimize the overall size of the baffle relative to the fixture. See the Standard Product Sizes chart for more information.
- Color Temperature

The system integrates a full color temperature range from 3000K to 5000K along with tunable color and dimming.
- Approvals

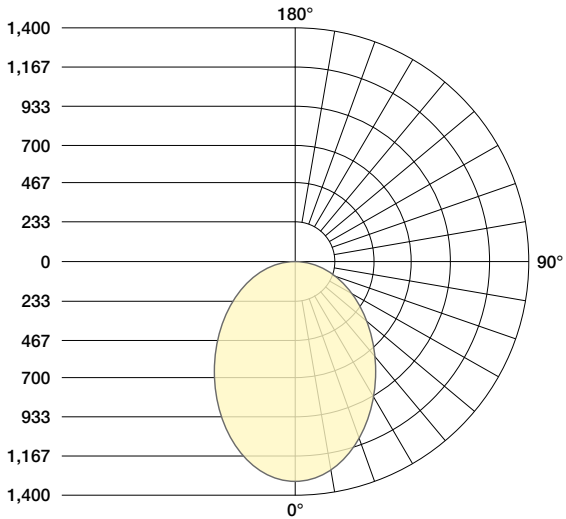
UL/cUL Listed
- Optics

Snap-in acrylic lends for soft, diffused direct lighting.

COLOR TEMPERATURE



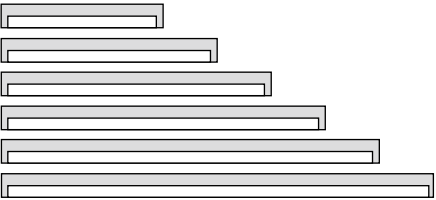
LED SYSTEM



OUTPUT	System Watt	lm/W
350 Lm/ft	13.69 W	110 lm/W
500 Lm/ft	18.45 W	111 lm/W
750 Lm/ft	28.32 W	108 lm/W
1000 Lm/ft	38.43 W	104 lm/W

STANDARD PRODUCT SIZES

FIXTURE LENGTH	MINIMUM BAFFLE LENGTH
36" (3 ft)	38.25"
48" (4 ft)	50.25"
60" (5 ft)	62.25"
72" (6 ft)	74.25"
84" (7 ft)	86.25"
96" (8 ft)	98.25"



Lighting Information

- Specifications

Please look over and specify the lighting information required for your project. The Turf team will need all of this information to complete your order.

LIGHTING INFORMATION

FIXTURE ID	DIRECT OUTPUT	FIXTURE LENGTH	COLOR TEMPERATURE	CONTROLS	EMERGENCY OPTIONS	CORD COLOR ³
BEAM LED	<div><input type="checkbox"/> 350 350Lm/ft</div> <div><input type="checkbox"/> 500 500Lm/ft</div> <div><input type="checkbox"/> 750 750Lm/ft</div> <div><input type="checkbox"/> 1000 1000Lm/ft</div>	<div><input type="checkbox"/> 3 3 ft</div> <div><input type="checkbox"/> 4 4 ft</div> <div><input type="checkbox"/> 5 5 ft</div> <div><input type="checkbox"/> 6 6 ft</div> <div><input type="checkbox"/> 7 7 ft</div> <div><input type="checkbox"/> 8 8 ft</div>	<div><input type="checkbox"/> 30 3000K</div> <div><input type="checkbox"/> 35 3500K</div> <div><input type="checkbox"/> 40 4000K</div> <div><input type="checkbox"/> 50 5000K</div>	<div><input type="checkbox"/> BLANK None</div> <div><input type="checkbox"/> DAY ¹ Daylight</div> <div><input type="checkbox"/> OCC ¹ Occupancy</div>	<div><input type="checkbox"/> BLANK</div> <div><input type="checkbox"/> EB ^{1 2} Emergency Battery</div> <div><input type="checkbox"/> EC ¹ Emergency Circuit</div> <div><input type="checkbox"/> EH ¹ Emergency Through Harness</div> <div>Indicate locations in product layout</div>	<div><input type="checkbox"/> WC White</div> <div><input type="checkbox"/> BC ¹ Black</div>

¹ These options include additional cost
² Emergency Batter requires a minimum of 48" length fixture
³ Standard 10' whip from fixtures, substitutions may impact costs / lead times



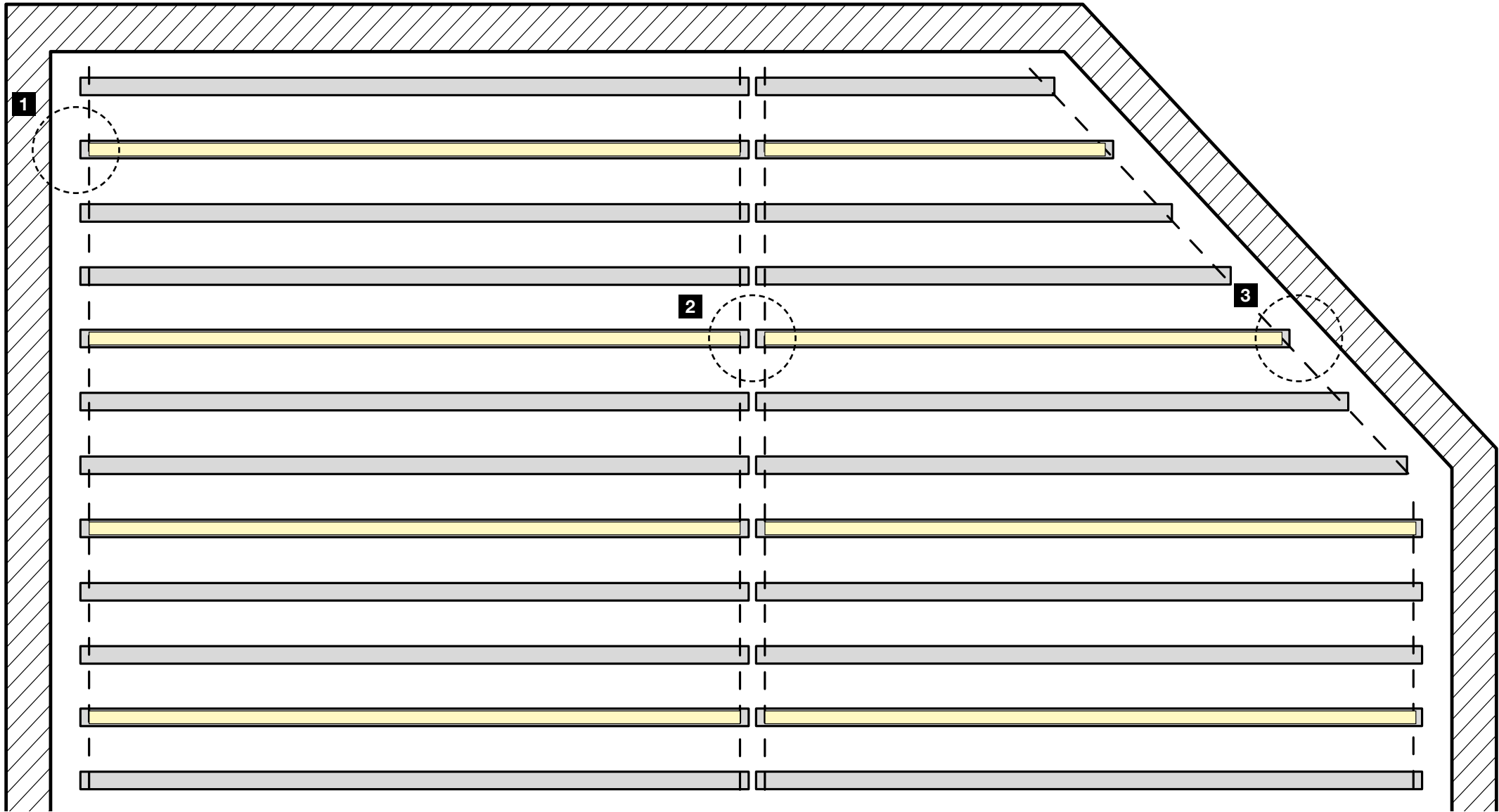
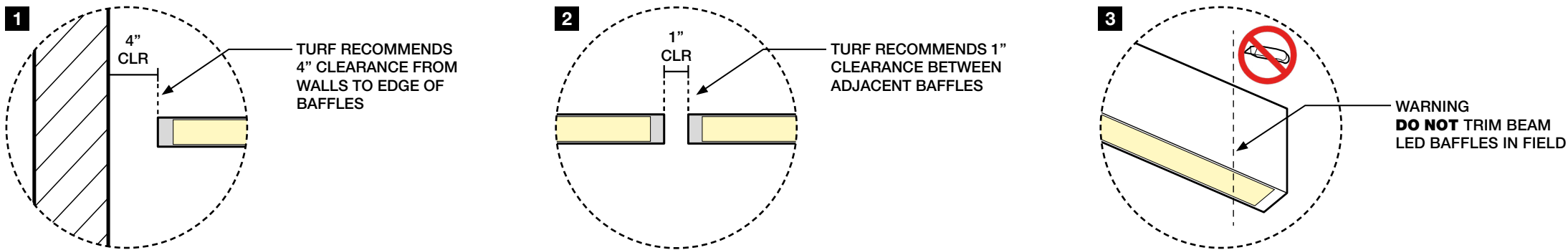
Layout Considerations

- Wall Clearance

Turf recommends a 4" clearance from the wall to our baffles.
- Adjacent Baffle Clearance

Turf recommends a 1" gap between all rows of baffles. This clearance supports a uniform look and build.
- Trim in Field

Beam LED cannot be trimmed in field, baffles are hollow.



BEAM LED BAFFLE - EXAMPLE RCP



Tech

Acoustics	ASTM C 423-17: Type J
Fire Rating	ASTM E-84 – Class A
VOC	ASTM D5116 Compliant

Details

Lead Time	Check the Turf website for current lead times.
Warranty	Five (5) years
Maintenance	Vacuum to remove any particulate matter and air-borne debris or dust. Compressed air can be used to dust the material in difficult to reach areas for large assemblies. Contact us for more information relative to spot cleaning.
Weight	Turf products cannot support the weight of any other items in field.

Acoustic Rating

Beam LED Baffle NRC				
Depth	6" OC	8" OC	10" OC	12" OC
8"	1.10	1.00	0.85	0.80

The table displays information for an array of sound absorbing baffles suspended by cables, evenly distributed in four rows of four units.

Certifications



Photograph by Kevin C Korozyk



Photograph by Michael Slack



9mm Colors

Introducing Hues, our new 9mm color palette designed for the senses.

The 9mm PET felt board is used as our primary construction material. Select one of our coordinating neutrals to blend in, or go for a contrasting element with one of our hues.

The process used to create PET felt often results in a heathered effect where multiple tones are present. Slight variations in color should be expected when using this sustainable material.

Felt Thickness
9mm +/-0.5 mm

Monitors and printers vary.
Please request a material sample to verify felt colors.



10 TOPO GREEN



12 GRASSHOPPER



11 CELADON



63 SAFFLOWER



64 PLANTAIN



43 ORANGE CRUSH



18 ULTISOL



17 BLUSH



23 RED



15 MERLOT



50 IVORY



33 LUMINARY



83 HOLLAND OATS



82 BARLEY



34 TONAL TAUPE



35 BARK



28 INDIGO



30 CYAN



24 ROYAL BLUE



31 AZURE



27 JEAN JACKET



26 FADED DENIM



40 MAGENTA



41 DRIED LAVENDER



66 PEWTER



05 WHITE



01 CREAM



04 LIGHT GREY



98 STORM



09 DAMASCUS



06 CHARCOAL



07 BLACK



9mm Wood Textures

Invite nature into your space with our wood-inspired textures. Digital printing on felt ensures a unique and realistic grain with virtually no repeats.

There is an additional product cost for Wood Textures.

Please note there is additional lead time for custom matching. Texture and customization will incur additional costs beyond our standard 9mm options.

Felt Thickness
9mm +/-0.5 mm

Monitors and printers vary.
Please request a material sample to verify felt colors.



D01 WHITE ASH



D02 SILVER TEAK



D03 CLEAR MAPLE



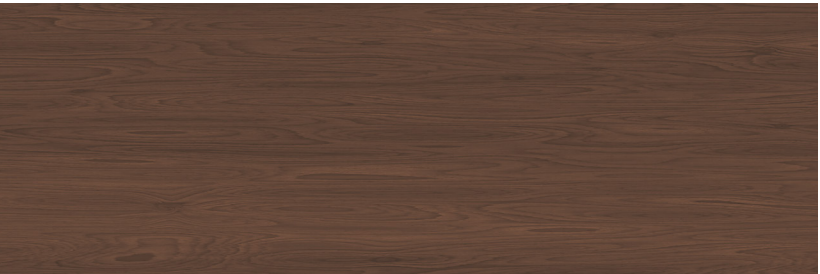
D04 WASHED ASH



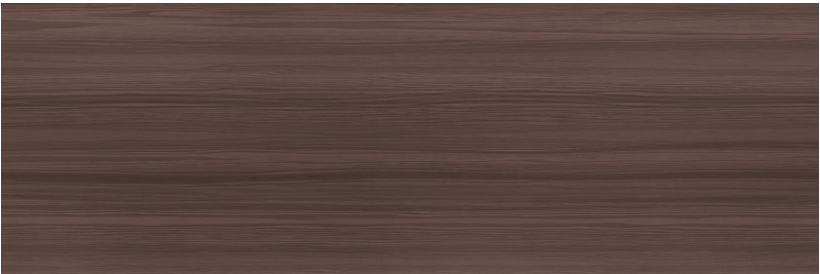
D05 MEDIUM OAK



D06 PLANKED OAK



D07 DARK WALNUT



D08 BLACK PEAR

9mm Stone Textures

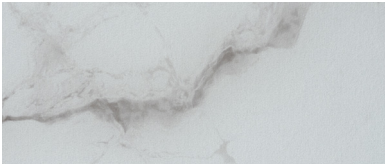
Inspired by nature, designed for felt. Our digitally printed Stone Textures capture the character and nuance of stone on top of a curated color collection from our Hues palette with virtually no repeats. The three patterns in this family each capture unique elements from the stones for which they are named.

There is an additional product cost for Stone Textures.

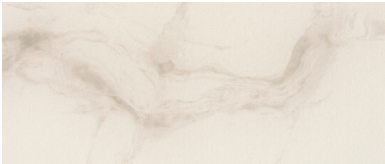
Turf has curated this collection to include only the best pattern and color combinations.

Felt Thickness
9mm +/-0.5 mm

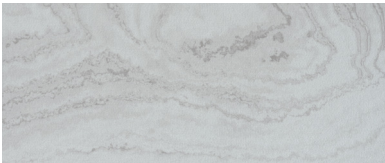
Monitors and printers vary. Please request a material sample to verify felt colors.



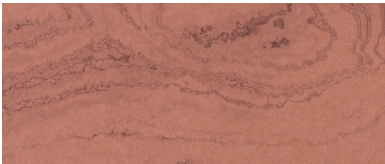
ST05 MARBLE



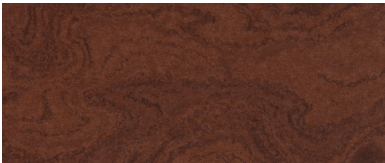
ST50 MARBLE



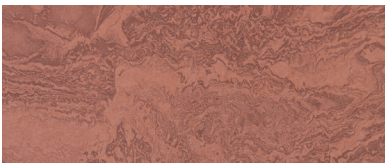
ST05 TRAVERTINE



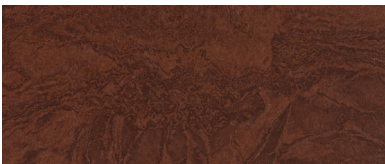
ST17 TRAVERTINE



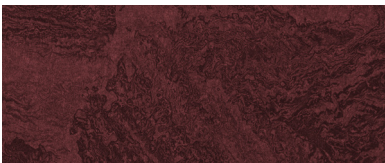
ST18 TRAVERTINE



ST17 GRANITE



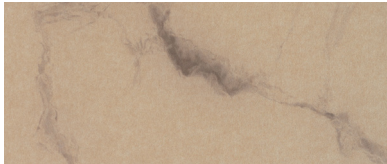
ST18 GRANITE



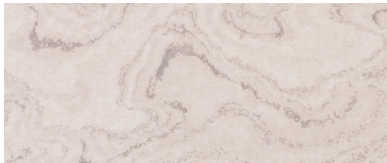
ST15 GRANITE



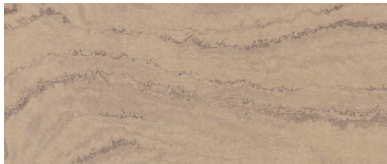
ST01 MARBLE



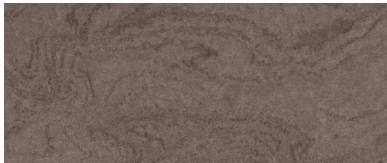
ST83 MARBLE



ST01 TRAVERTINE



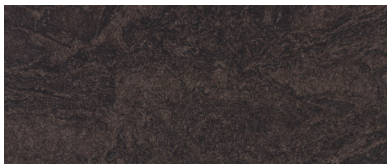
ST83 TRAVERTINE



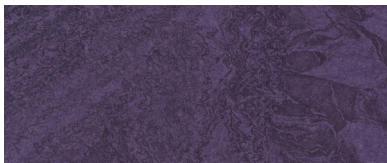
ST34 TRAVERTINE



ST34 GRANITE



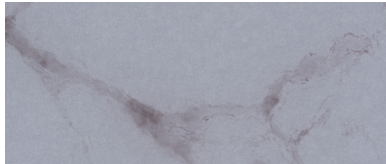
ST35 GRANITE



ST41 GRANITE



ST33 MARBLE



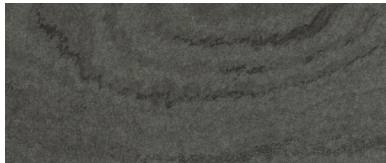
ST66 MARBLE



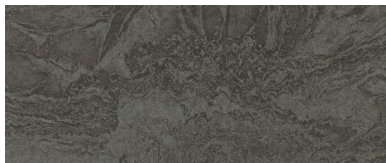
ST50 TRAVERTINE



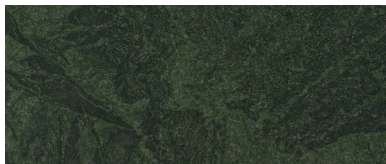
ST66 TRAVERTINE



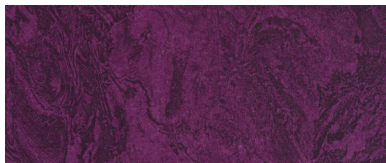
ST11 TRAVERTINE



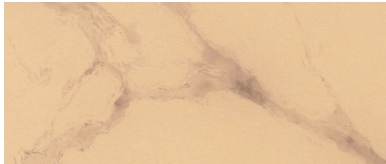
ST11 GRANITE



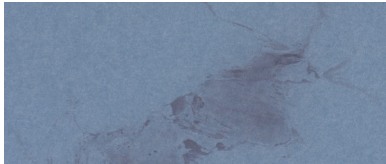
ST10 GRANITE



ST40 GRANITE



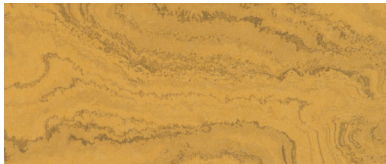
ST64 MARBLE



ST26 MARBLE



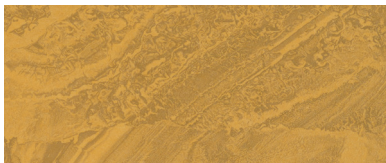
ST64 TRAVERTINE



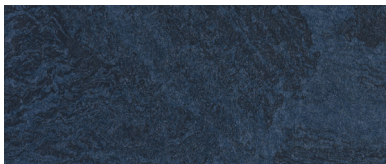
ST63 TRAVERTINE



ST26 TRAVERTINE



ST63 GRANITE



ST28 GRANITE

