

LD-5010 OmniDeck™ with WashBar®– 5000 Series

- Basin(s) and Deck are constructed of Terreon[®] or Terreon[®]RE Solid Surface Material
- Decks are Pre-fabricated; Shipped Complete to the Job Site
- Custom and Standard Sizes Available
- Optional Coved Backsplash and Integral Front Apron Eliminate Caulk Lines
- Integral bowl option creates seamless look
- One piece chrome-plated WashBar™ includes touch-free soap, water and dryer
- WashBar technology intuitively guides user and eliminates simultaneous activations
- · Basin and drain engineered to evacuate water and dissipate air flow

Specifications

The OmniDeck Model LD-5010 can accommodate one or more users. Model LD-5010 OmniDeck with WashBar features a Terreon solid surface deck with undermount basin. The OmniDeck with WashBar comes equipped with single piece All in One WashBar, allowing users to access soap, water and a hand dryer without leaving the hand washing station. Optional aprons, splashes, mounting brackets and single-station access panels are also available to round out the total package.

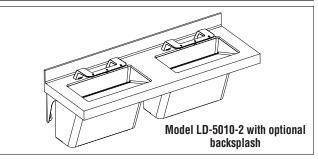
Construction

Deck

Constructed of ½" thick Terreon, a densified solid surface material composed of bio-based resin or TerreonRE, a densified solid surface material composed of a bio-based resin and preconsumer recycled granules. Terreon and TerreonRE are resistant to chemicals, stains, burns and impact. Surface damage can be easily repaired with everyday cleansers or fine grit abrasives. Terreon and TerreonRE are certified by Home Innovation Lab to meet CSA B45.5/IAPMO Z124. Terreon and TerreonRE are GREENGUARD® certified as low-emitting materials.

Basin

The basin model WB-TR1 has been designed to direct water to a trench drain and features a 300 series stainless steel drain cap. The basin and drain cap work together to evacuate water and dissipate airflow to prevent splashing on the user or floor. The basin is constructed of Terreon solid surface and is available in all Terreon colors. Internal basin dimensions are 11-1/2" x 21-5/8" x 8-1/8".



WashBar

All-in-One chrome-plated cast metal WashBar includes touch-free soap, water and hand dryer. Load tested to 500 pounds, the WashBar is secured to the basin with two antirotational shanks. Blue LED lights help guide the user to the WashBar, indicating the three functions. The LED light will change from blue to green to signify that the function is in use. Each function is easily identified by the corresponding icon on the WashBar's top surface. To aid in a smooth, controlled hand-washing and drying operation, sensors are programmed to eliminate simultaneous activations of nearby functions. WashBar sensors are not affected by varying skin tones or darkness. Smart technology allows the facility manager or maintenance staff to clean and configure with ease.

Cleaning Mode

WashBar has an activation feature to put the unit into cleaning mode to allow for easy cleaning of the WashBar and basin without activating the functions.

Configuration Mode

WashBar also has a configuration mode to identify how many cycles are on the soap, faucet and dryer. Mode also allows for dryer speed and sound adjustment at low, medium and high levels.

Soap Dispenser

The soap dispenser is located on the left side of the WashBar. This eliminates any soap from dripping on counters or onto the floor, minimizing slip hazards and allows for easy cleaning. Choose between a foam or a liquid soap dispenser, which are compatible with most bulk soaps. Soap system accommodates up to a 1 gallon container to reduce the number of soap replacements. When the LED light above the soap function turns to a solid red, simply check the level and replace the soap container with a full container if necessary. The soap system includes an adapter to fit many 1 gallon soap containers available on the market.

Please visit https://www.bradleycorp.com/maintenance/soap-dispeners for soap recommendations.

Faucet

Faucet is located in the center of the WashBar and has a spray angle of approximately 17 degrees off the vertical. Choose either a 0.5 gpm or 0.35 gpm PCA rubber tip aerator. Maximum run time is 30 seconds. The 0.5 gpm aerator option is the equivalent to 0.25 gpc and the 0.35 gpm aerator option is the equivalent to 0.18 gpc. Automatic 5 second purge within 24 hours of the last use. Recommended operating range is 20-80 psi.

Verify all rough-in dimensions prior to installation. Consult local and national codes. Conformity and compliance to local and national codes is the responsibility of the installer.

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Drver

The hand dryer is located on the right side of the WashBar, allowing users to dry their hands immediately after washing. This virtually eliminates excess water on the floor. The dryer motor provides warm air at three speeds, high-medium-low, which can be field adjusted by placing the WashBar into configuration mode. The single sided dryer will dry hands in approximately 15 seconds depending on user preference. The decibel range with hands in air stream is 76 dB (high speed) to 64 dB (low speed). The dryer motor located behind the access panel, is cCSAus listed.

Electrical

The WashBar is powered by one 12V DC adapter that plugs directly into the dryer or electrical outlet. The Washbar and dryer motor require a properly grounded dedicated 20 amp circuit, 110V outlet. One duplex outlet is required per station to power the WashBar and drver.

Strainer and Drain Assembly System

Strainer and drain assembly system comes complete with 300 series stainless steel trench drain cap and tailpiece. Optional chrome plated p-trap available. Configured with individual drain tough-in connections.

Access Panel

Minimalistic panel is composed of 300 series stainless steel. Plumbing components, dryer motor, and soap tank are concealed within the panel. The swing down access panel is designed to ease the maintenance process by eliminating tools and only requires one person for installation. Alternatively, customers can provide their own access panel.

Mounting Options

Designed to be mounted utilizing 12 gauge stainless steel mounting brackets (to allow for easy install and future removal of deck). A mounting frame or cleating by others can also be used in the field. Bracket quantity is dependent on deck length. 2" to 45" = 2 brackets, 45.25" to 75" = 3 brackets, 75.25" to 105" = 4 brackets and 105.25" to 120" = 5 brackets

Seaming

Seaming is required and included as standard for OmniDecks with a total length over 120". When ordering and quoting, Bradley will show a representation of the overall deck length with the segment lengths and recommended seaming locations. Seaming is the process of joining two or more solid surface segments together with an inconspicuous seam. Available from Bradley, adhesive seam kits are required for internal seams and are made to match any Terreon color. Optional seaming selections (SEAM-L and SEAM-R) are to be ordered for replacement deck segments.



This plumbing fixture is designed for hand washing only. It is not Intended to dispense water for human consumption through drinking or for preparation of food or beverages.

Code Compliance and Certifications

Terreon and TerreonRE are Home Innovation Lab Certified to meet CSA B45.5/IAPMO Z124.

Standards

National and International Plumbing Approval

OmniDecks are Uniform Plumbing Code (UPC), International Plumbing Code (IPC) and National Plumbing Code of Canada approved through the International Association of Plumbing and Mechanical Officials (IAPMO). Manufactured in compliance with IGC 156-2012el, CSA B45 Series-2002(R2013) & ASME A112.18.1-2012/CSA B125.1-12.

Standard ADA Height Mounting

To comply with ADA, the rim height of the LD-5010 OmniDeck, and at least one basin, must be 34" (864) maximum above the finished floor and must have proper reach, knee and toe clearances. Always review local codes for compliance.

Juvenile Height Mounting

The juvenile height hand washing stations are designed to be mounted at 31" (787) maximum rim height to comply with ADA/TAS reaches and clearances.

Enhanced Reach Mounting

Per 2009 International Building Code (IBC) under 1109.2.3, if there are 6 or more lavatories, at least one lavatory shall meet the 11" (279) maximum reach depth per IC A117.1 606.5. The LD-5010 with WashBar is compliant when the deck depth is 20-1/2" (521) maximum.

OBC Height Mounting

The Ontario Building Code hand washing stations are designed to be mounted at a 33-1/16" (840) maximum rim height to comply with OBC reaches and clearances. To meet OBC, minimum deck depth must be 20-3/4" (527).

CSA Height Mounting

To comply with CSA, hand washing stations must be mounted at a 33-7/8" (860) rim height with a deck depth of 21" (533).

BCBC Height Mounting

The British Columbia Building Code hand washing stations are designed to be mounted at a 34-1/16" (865) maximum rim height. To comply, the deck depth must be a minimum of 22-1/4" (565).

QBC Height Mounting

The Quebec Building Code hand washing stations are designed to be mounted at a 34-1/16" (865) rim height and deck depth of 23-1/2" (597).



Standard product selections contained within this document are third party **CERTIFIED** to NSF/ANSI 372 meeting the Lead-Free content requirement. Any product configured with custom options will be COMPLIANT with NSF/ ANSI 372 meeting the Lead-Free content requirement.





Verify all rough-in dimensions prior to installation. Consult local and national codes. Conformity and compliance to local and national codes is the responsibility of the installer.

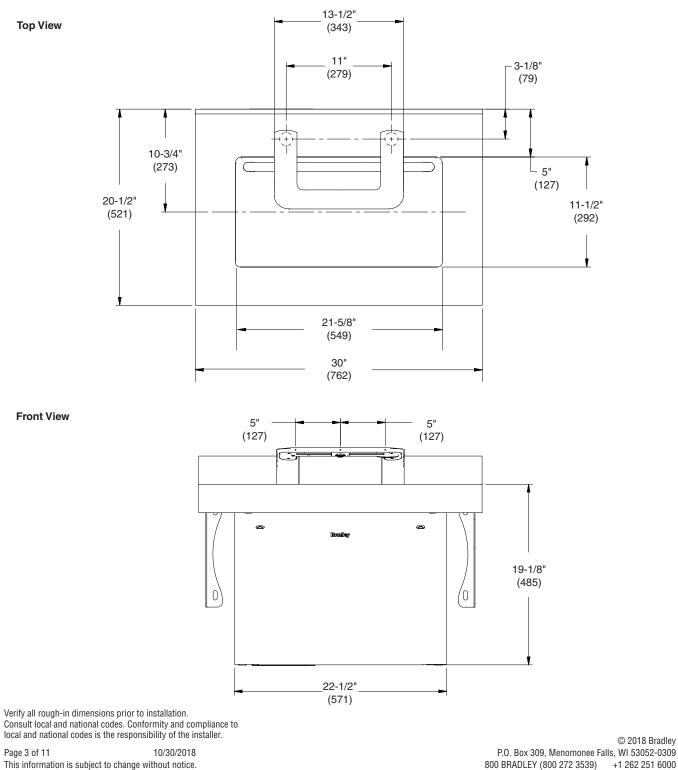
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(mm)

Standard Dimensions - 1-Person



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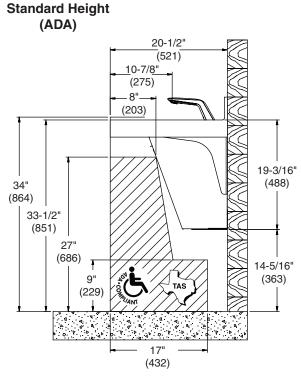


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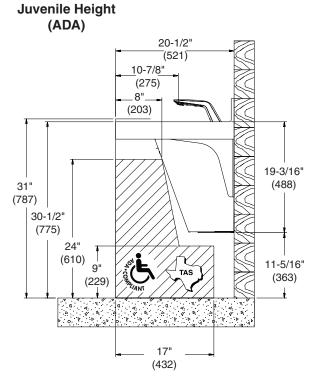
LD-5010 Dimensions (Side View)

Surface mount brackets shown.

(mm)



Deck depth must be 20-1/2" minimum for ADA, Enhanced Reach depth is 20-1/2"



Deck depth must be 20-1/2" minimum for ADA, Enhanced Reach depth is 20-1/2"

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Bradley

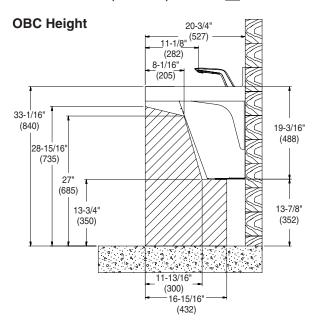
LD-5010 Dimensions (Side View)



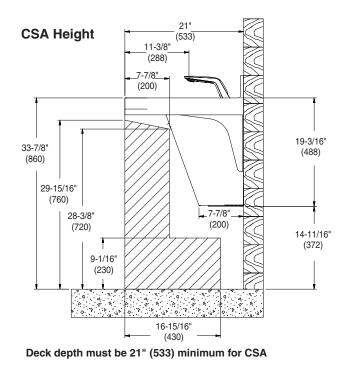
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LD-5010

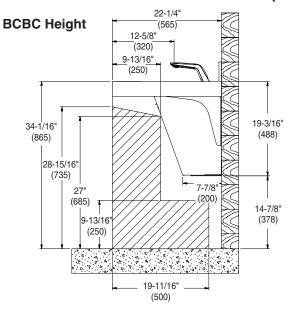


Deck depth must be 20-3/4" (527) minimum for OBC

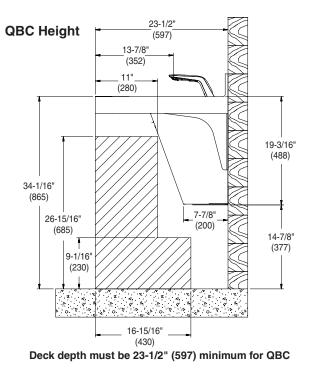


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Deck depth must be 22-1/4" (565) minimum for BCBC



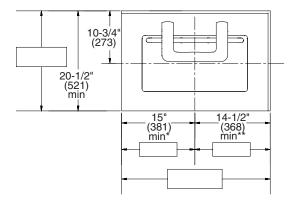
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OmniDeck[™] with WashBar[®]– 5000 Series

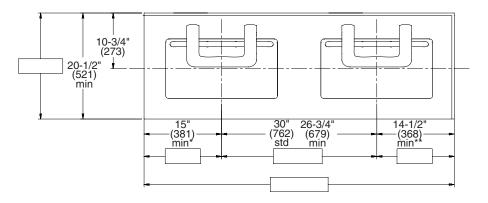


Minimum Dimensions for Custom Dimensions

LD-5010-1 Dimensions



LD-5010-2 Dimensions



*with side apron **with side splash or no side apron

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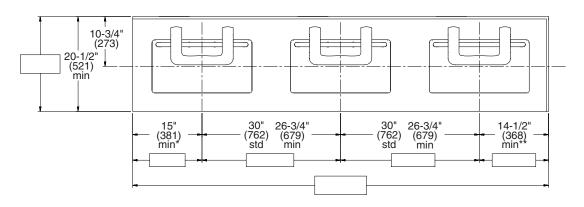
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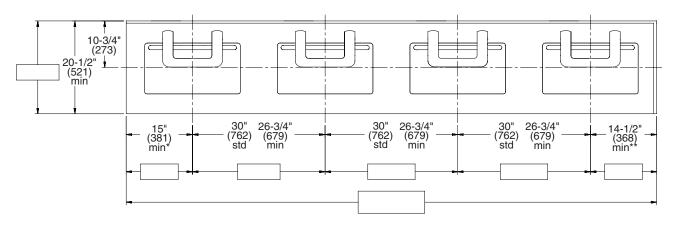
Minimum Dimensions for Custom Dimensions

(mm)

LD-5010-3 Dimensions



LD-5010-4 Dimensions



*with side apron **with side splash or no side apron

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Standard Calastians (Mathematics)	Constal Ontions
Standard Selections (Must select one from each category)	General Options
All OmniDecks are non-cancelable and non-returnable.	Edge Style Type
Submittal drawings not required for product configured to technical data options but available upon request.	□ EEEase Edge □ R0
Model	Backsplash Type (greater than 5" is shipped loose)
Deptilier Transformer Transfor	BSNo Backsplash
Configuration Type NOTE: Changes to predetermined dimensions require custom unit.	Front Apron Type
□ STDCustom	□ FANo Front Apron □ NFANo Front Apron
Deck Configuration	Left Side Type
Deck Length (L) 120.00 120" (Standard) 60.00 60" (Standard) CST Custom	LSS Left Side Splash‡ LSS Left Side Apron NONE No Left Side Option
90.00	Right Side Type RSS
22" Standard (minimum) CST	Splash Height CST Custom(14" max)
Deck Depth Compliance**	Apron Height
ADA/JUV ADA/JUV ADA/JUV Mounting Height CSA Canadian Standards Association Mounting Height	□ 3
OBC O	NOTE: Aprons 5" to 10" are reinforced with gussets. Apron heights over 10" will ship loose and installer will be responsible for attaching and supporting to the deck.
Bowl Configuration	Apron Gusset Type (required with custom apron heights 5" to 10".)
Bowl Type	GUSSET Apron Gusset
□ WB-TR1	‡ Side splash ships loose.
Bowl Quantity	*Decks exceeding 120" will consist of multiple deck segments.
Image: Constraint of the second sec	**Mounting Height Deck Depth ADA/JUV: 20-1/2" (521mm) to 24" (610mm) CSA: 21" (533mm) to 24" (610mm) OBC: 20-3/4" (527mm) to 24" (610mm)
Color of Terreon Bowl	OBC: 20-3/4" (527mm) to 24" (610mm) BCBC: 22-1/4" (565mm) to 24" (610mm) QBC: 23-1/2" (597mm) to 24" (610mm)
BONE	***Bracket or sleeve quantity is dependent on deck length. 2" to 45" = 2 brackets, 45.25" to 75" = 3 brackets, 75.25" to 105" = 4 brackets and 105.25" to 120" = 5 brackets
Placement Type	****Recommended for easy soap maintenance.
STD Standard Placement (evenly distributed on deck)	 † This color contains large, randomly distributed chips. All seams require a seaming kit.
Custom Placement	✓ An obarro roquiro a obarring Mt.

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Standard Selections (Must select one from each category)					
🖌 All OmniDecks are non-cancelable and non-returnable.					
Submittal drawings not required for product configured to technical data options but available upon request.					
General Options (continue	ed)				
Seaming Kit Type♦(180 Day Shelf Life - Each kit will accomodate a 30" seam) AS-K					
Color of Terreon Deck (select one)					
Standard Colors ALP-WHT Alpine White AVALANCHE Avalanche† BONE Mesa Bone CHAR Charcoal Gray COBBLE Cobblestone DRIFT Driftwood† DS-WHT Designer White DUNE Sand Dune† E-GRAY Empire Gray GLACIER Glacier GRAPH Graphite LANNON Lannonstone	 LONDON London Gray MOONSTONE Moonstone† O-TAUPE Organic Taupe PEBBLE Pebble Beach PEP-WHT Peppered White POLAR Polar Ice† SAND Sandtrap S-CREEK Stone Creek S-MIST Silver Mist WHT-SAND White Sand 				
Designer Colors (available at an additi ARC-CHIPArctic Chip RIVERRiverstone	ional charge) COFFEECoffee Bean				
TerreonRE Colors (available at an addi BIRCH-BARK DUSK	tional charge) MOONDUST				
Activation Type UWB1					
Aerator Type A35 A50					

Soap	Туре	
	DFoam Soap Dispenser - 1 Gallon Soap Container By Others DLiquid Soap Dispenser - 1 Gallon Soap Container By Others	
Hand	Dryer	
	D1DC Motor 120V/60Hz, 20 Amp	
Moun	Mounting Type	
□ BF □ NC	RKT	
Acces	Access Panel Type	
	TAIN	
	IONE	
Wate	r Supply Type	
	MA Navigator® Thermostatic Mixing Assembly w/ Stops and Hot and Cold Supply Hoses L	
	e Assembly Type -CHROME	
‡ Side s	plash ships loose.	
•	exceeding 120" will consist of multiple deck segments.	

*Decks exceeding 120" will consist of multiple deck segments.

***Bracket or sleeve quantity is dependent on deck length. 2" to 45" = 2 brackets, 45.25" to 75" = 3 brackets, 75.25" to 105" = 4 brackets and 105.25" to 120" = 5 brackets

****Recommended for easy soap maintenance.

† This color contains large, randomly distributed chips.

♦ All seams require a seaming kit.

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LD-5010 OmniDeck[™] with WashBar[®]- 5000 Series

Structural Rough-Ins for LD-5010 ç 13-1/4" min 13-1/4" min Typical OmniDeck rough-1 (337) (337)ins for single WB-TR1 bowl are shown. Other multiplebowl rough-ins are similar. A -@-)A S S 5" 3-1/2" 9" (89) (127) (229) 13" (330)**A**[-⊕-Ð 10-3/8" 10-3/8" (264) (264) 3/4" (19) 33-1/2" Ľ€ S1 (851) _⊕_ C^ĭ_ °C Deck Height 3-1/4" 5-1/2" (83) (140) 21-3/4" (552) 15-9/16" 15-5/8" (394) (396) Finished Floor

CODE	DESCRIPTION	QTY.
A	3/8" wall anchors with a minimum pull-out force of 1,000 lbs. per local codes	2 per bracket
С	Install wall anchor with a minimum pull-out force of 100 lbs. per local codes at locations shown	4
S	#10 Wall Anchors for Soap Control Box Bracket	4
S1	#10 Wall Anchors for Soap Tank Bracket (100 lb pull out force)	4

RIM HEIGHT	VERTICAL HEIGHT ADJUSTMENTS	FIXTURE STYLE	
34"	No Adjustment	Standard Height, ADA, TAS	
31	Subtract 3"	Juvenile, ADA and TAS	
33-1/16"	Subtract 15/16"	OBC	
34-1/16"	Add 1/16"	BCBC and QBC	
33-7/8"	Subtract 1/8"	CSA	

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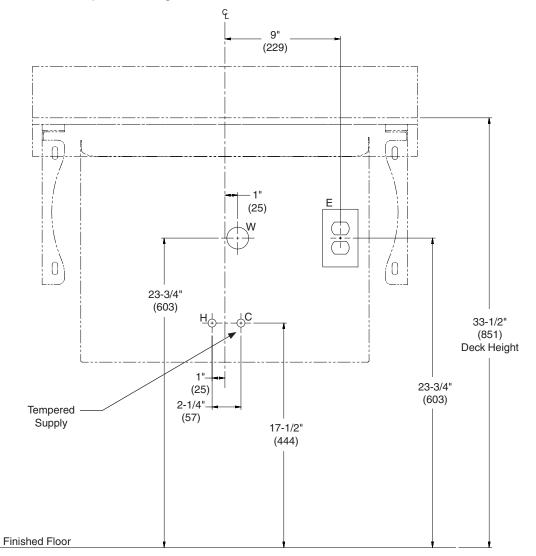
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Plumbing and Electrical Rough-Ins for LD-5010

Mounting for Standard, ADA and TAS height shown.



Typical OmniDeck rough-ins for single WB-TR1 bowl are shown. Other multiple-bowl rough-ins are similar.



CODE	DESCRIPTION	QTY.
A	11/2" NPT Drain, Stub-out 2" from wall	1
H,C	1/2" Nominal (5/8" O.D. Comp.) Hot/Cold supplies, Stub-out 2" from wall	
E	110V GFI protected electrical outlet (20 amp circuit)	2

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