03-15-2024 to 08-20-2024

Food Service & Laundry Equipment Building Product Manual

New Build

StudioRes Gen 1

(SR) Make It Your Own

STUDIORES

GLOBAL DESIGN | STRATEGIES

Table of Contents

| LA-002-PNL | Millwork Laminate |
| | Panolam Surface Systems |

ML - Millwork

ML-003	Laundry Shelving - Plastic Laminate Clad Custom Millwork consisting of wall mounted shelving
	N/A
LA-006-FM	Formica Group North America
MH-001-RK	Rakks Shelving

ML - Assembly, Millwork

ML-004	VARIOUS MANUFACTURERS
LA-006-FM	Formica Group North America
MH-001-RK	Rakks Shelving

PTC - Ceiling Paints

| PTC-001-SW | INTERIOR CEILING PAINT |
| | Sherwin-Williams |

PTW - Wall Paints

PTW-005-SW	Door + Door Frame Paint
	Sherwin-Williams
PTW-006-SW	INTERIOR WALL PAINT
	Sherwin-Williams
PTW-011-SW	Interior Gypsum Board Wall Primer
	Sherwin Williams

TA - Grab Bars

| TA-900-BW | Bobrick |

TC - Tile Ceiling

| TC-001-USG | Acoustical Ceiling Tile |
| | USG |

TS - Transitions Strips

| TS-002-SCH | Finishing edge-protection profile, metal tile trim. |
| | Schluter Systems |

WP - Wall Panels

| WP-003-ML | TBD |

PREAMBLE

Instruction For Use of Documentation

The total required information provided to design and build a StudioRes by Marriott is contained in the criteria documents identified below which relay standardized public space, guestrooms, guestroom corridors, and back of house and building site + exterior. UNKNOWN is the decor package for the Public Space and Guestrooms.

Comprehensive Criteria Documents for StudioRes by Marriott are:

1. Design Standards
2. Design Guideline Drawings
3. Heart of House Guideline
4. Specifications as indicated below:

   A. Building Product Manual (BPM)

      Volume 1 - Building Site + Exterior

      Volume 2 - Public Space

      Volume 3 - Guestrooms

      Volume 4 - Guest Laundry Equipment

   B. Exterior Signage Specifications

   C. Interior Signage Specifications

   D. Interior Design Specification Manual

Alternate Sources of Information:

1. Change Bulletins
2. Additional Tools

Description Follows:

1. Design Standards provide a written macro view of the overall requirements for a StudioRes by Marriott.

2. The Design Guideline Drawings - provide more specific design direction via drawings to supplement the Design Standards.

3. The Interior Décor Spec Manual lists items required that are generally referred to as Furniture, Fixture, & Equipment or FF&E items. These items and the accepted suppliers listed, have been contracted by Marriott and can be supplied through Marriott's procurement division.

4. The Building Product Manual (BPM) includes the "guest-facing" building products (typically installed and supplied by the General Contractor) and all finishes required for the interior and exterior of the building. Marriott requires that all building products and finishes be provided by acceptable manufacturers. This document must be used in conjunction with the drawings for the contractor supplied items as specific dimensions and criteria are referenced in both documents. Because of the high quality of design expected for a StudioRes by Marriott, Marriott has specified acceptable suppliers who have worked closely with Marriott on the initial StudioRes design.   All of these documents are integral elements of the complete design and construction information. The project architect is responsible for incorporating all components of the criteria documents in the development of any StudioRes by Marriott project.

Use of Drawings

Building Product Manual (BPM) mark numbers and Interior Décor Specification Manual x-ref numbers are shown on the Design Guideline Drawings as a base number only. Refer to the BPM and Interior Decor Specification Manual for mark numbers and x-ref numbers plus a suffix for product and FFE alternates and additional acceptable manufacturers.

* In the BPM acceptable manufacturers of same material/product are indicated by a suffix of "XX", the abbreviation of the manufacturer's name. (i.e. PL-101-MO for MOEN or PL-101-KO for Kohler). If there are multiple manufacturers, and the item looks very similar, and its only difference is a matter of style, then it is considered a variation of manufacturer and not an alternate and would receive the mfr. suffix.

* In the BPM alternate materials/products/designs are indicated by a suffix of "A1", "A2", "A3", etc. indicating "alternate", following the base number (i.e. PL-101-A1). When only one manufacturer is listed, no manufacturer initials are indicated before the alternate suffix.

General Compliance Requirements

The Owner's/ Franchisee's Consulting Design Professional shall be responsible for verifying and complying with all applicable laws, covenants, codes, ordinances, rules, regulations, restrictions, etc. The Design Professional shall pay close attention to the requirements of the federal accessibility law, Americans with Disability Act (ADA), local and state accessibility regulations, and the applicable fire, life safety requirements. It is also the responsibility of each hotel owner to ensure that all products have been adjusted in dimension, quantity and hand suit the specific site conditions.

GENERAL NOTES

1.   All images, photographs, renderings of specified items contained in this specification package area for general design intent and reference only.
2.   Refer to the preamble for terms, conditions, abbreviations, definitions, responsibilities, and general guidelines for all specified items.

3.   Refer to drawings for exact locations and/or mounting heights of furniture, fixtures, and equipment. In the event of a discrepancy between drawings and specifications, please contact Marriott International immediately for written clarification.
4.   Submittal of shop drawings & finish samples to Marriott International for review and written approval is required for any item supplied by a vendor other than the specified source.
5.   Design Documentation firm to verify that all flammability requirements are met for property location. The requirements noted within this specification are general and local flammability may be more stringent.
6.   Install all products and finishes per manufacturer's recommendations.
7.   Final quantity of items to be based on final plans, room quantity, and final matrix.

Plumbing Fixture and Residential Appliances - General Notes

1.   All plumbing fixtures and residential appliances to be of contract quality and suitable for commercial use.
2.   Site measurements required.

ABBREVIATIONS
General Schedule Abbreviations:

ADA	Americans with Disabilities Act
AFF	Above Finish Floor
ASTM	American Society of Testing Materials
AWI	American Woodworking Institute
CEF	Corridors, Elevators, and Foyers
CF/CI	Contractor Furnished/ Contractor Installed
COM	Customer's Own Material
GC	General Contractor
GR	Guest Room
GRB	Guest Room Bath
LY	Lineal Yard
MF/MI	Manufacturer Furnished/ Manufacturer Installed
N/A	Not Applicable

NFPA   National Fire Protection Association

NY   Narrow Yards

OF/CI   Owner Furnished/ Contractor Installed

OF/MI   Owner Furnished/ Manufacturer Installed

OF/CI   Owner Furnished/ Owner Installed

RFP   Request for Proposal

SF   Square Feet

SY   Square Yard

UL   Underwriters Laboratory

A. Toilet Accessory Abbreviations:

For your use in utilizing the Toilet Accessories within the Building Product Manuals, the following information is supplied:

1. The Assembly is the type of restroom or bathroom. The Assembly is not recognized by a number.

2. Within each assembly, mark numbers are assigned to each component within the assembly. The component contains 2 characters or prefix 'TA' for Toilet Accessory Commodity. The first character of the 3 character suffix categorizes each toilet accessory commodity component, then is numbered sequentially."

100 –   Grab Bars

200 –   Toilet Tissue / Facial Tissue

300 –   Glass Shelf / Iron Board Caddy

400 –   Towel Bar / Towel Ring / Robe Hook

500 –   Soap Dish / Shampoo Dispenser / Shower Accessory Ledge / Shower Foot Rest

600 –   Shower Curtain Rod / Glass Shower (components)

700 –   Shower Seat / Tub Seat

800 –   Public Restroom (Feminine Napkin Dispenser / Paper Towel Dispenser / Receptacle / Soap Dispenser / Seat Cover)

900 –   Miscellaneous

B. Plumbing Fixture Abbreviations:

For your use in utilizing the Plumbing Fixtures within the Building Product Manuals, the following information is supplied:

The Assembly No. contains 3 characters or prefix to define the type of assembly. The 2 character suffix is numerically sequential. Example TUB-01.

TUB - Tub

WHL - Whirlpool

SHR - Shower

SNK - Sink

SVS - Service Sink

WCL - Water Closet

URN - Urinal

WCR - Water Cooler" "EWS - Eye Wash

MOP - Mop Sink

CLO - Cleanout

FLD - Floor Drain

FSK - Floor Sink

LIT -   Lint Interceptor

HYD - Hydrant

RDR - Roof Drain

Mark numbers are assigned to each component within the assembly. The component contains 2 characters or prefix 'PL' for Plumbing Commodity.

The first character of the 3 character suffix categorizes each plumbing commodity component, then is numbered sequentially. Example PL-101, PL-102, etc.

100 – Sinks & Mop Sinks

200 – Faucets

300 – Toilets / Urinal / Water Cooler

400 – Shower Heads

500 – Shower Diverters

600 – Shower Surrounds / Shower Pans / Base / Tub

700 – Shower Doors

800 – Fittings

900 – Miscellaneous (Floor Drains, Clean Outs)

C.   Door Hardware Abbreviations:

For your use in utilizing the Door Hardware within the Building Product Manuals, the following information is supplied:

The Assembly No. or Door Hardware Type No. contains 1 character or prefix "T". The 2 character suffix is numerically sequential. Example T-01.

Within each assembly, mark numbers are assigned to each component within the assembly. The component contains 2 characters or prefix 'DH' for Door Hardware Commodity. The 3 character suffix is numbered sequentially. Example DH-001, DH-002, etc.

BPM (Building Product Manual) Number Nomenclature

(items are numbered with the item prefix and then consecutive numbers starting with 001 - "Mark Number" unless indicated otherwise)

Openings

Door	DR-XXX
Door Frames	DF-XXX
Door Hardware	DH-XXX

Equipment

Residential Appliances	RA-XXX
Food Service Equipment	EQF-XXX
Laundry Equipment	EQD-XXX

Electrical

Receptacles + Switches	EL-XXX

Millwork

Millwork	ML-XXX
Plastic Laminate	LM-XXX
Millwork Hardware	MH-XXX
Countertops	CT-XXX

Architectural Lighting

Controls	ALC-XXX
Box Light	ALB-XXX
Track Light & Parts	ALT-XXX
Exit Lighting	ALX-XXX
Recessed	ALR-XXX
Specialty	ALO-XXX
Strip Lighting	ALJ-XXX
Exterior Lighting (touching building)	ALY-XXX

Exterior Lighting (not touching building)   ALZ-XXX

Toilet Accessories   TA-XXX

- 100 – Grab bars
- 200 – Toilet tissue/ facial tissue
- 300 – Glass Shelf/ Iron Board Caddy
- 400 – Towel bar/ Towel Ring/ Robe Hook
- 500 – Soap Dish/ Shampoo Dispenser/ Shower Accessory Ledge/ Shower Foot Rest
- 600 – Shower Curtain Rod/ Glass Shower (components)
- 700 – Shower Seat/ Tub Seat
- 800 – Public Restroom (Feminine Napkin Dispenser, Paper Towel Dispenser/ Receptacle, Soap   Dispenser, Seat Cover)
- 900 – Misc.

Plumbing Fixtures   PL-XXX

- 100 - Sink/ Mop Sink
- 200 - Faucets
- 300 - Toilets/ Urinal/ Water Cooler
- 400 - Shower Heads
- 500 - Shower Diverters
- 600 - Shower surrounds/pans/base/tub
- 700 - Shower doors
- 800 - Fittings
- 900 - Misc. (floor drains, clean outs)

Interior Finishes

Ceiling Panel	CP-XXX
Concrete	CO-XXX
Corner Guards	CGR-XXX
Entrance Mat	EM-XXX
Floor Coatings	FC-XXX
Glass	GL-XXX
Glass Film	GF-XXX
Grout	GR-XXX
Interior Plants	IP-XXX
Metal	MT-XXX
Metal Railing	MTR-XXX
Mirror	MR-XXX
Paint - Ceiling	PTC-XXX
Paint - Walls	PTW-XXX
Protective Wallcovering	PW-XXX
Resilient Base	RB-XXX
Resilient Flooring	RF-XXX
Surface Panel	SP-XXX
Stone	ST-XXX
Thresholds	TH-XXX
Tile Base	TB-XXX
Tile Ceiling	TC-XXX
Tile Floor	TF-XXX
Tile Wall	TW-XXX
Transition Strips	TS-XXX
Trim	TR-XXX
Underlayment	UL-XXX

Wood	WD-XXX
Wood Base	WB-XXX
Wood Finish	WF-XXX
Wood Panels	WP-XXX
Wood Trim	WT-XXX
Decorative Film	DF-XXX

Exterior Finishes

Exterior Insulation Finish System	EEF-XXX
Manufactured Stone Masonry	MSM-XXX
Exterior Decorative Stone	EDS-XXX
Exterior Wall Panel	EWP-XXX
Exterior Roofing	ERF-XXX
Exterior Coating	ECT-XXX
Exterior Fence Material	EFM-XXX

Marriott Legal Disclaimer

ALJ - Strip Light / Tape Light

STRIP LIGHT / TAPE LIGHT

2' LED Strip Lensed

Manufacturer: Cooper/Metalux
Style/Series: 2SLSTP2035DD-UNV

Attributes

2' LED Strip Lensed

Type: Strip

DIMENSIONS

Width: 2-7/16"
Length: 23-7/8"
Height: 42407

MISCELLANEOUS

Lead Time: In stock or 4 weeks
Warranty: Five year warranty

CUSTOM FIELDS

Reflector: None
Lamp Quantity: NA
Mount: Surface
Lamp Model #: NA
Finish: White
Trim: White
Lamp Configuration: NA
Delivered Lumens (LED) or Mean Lumens (Non-LED): 2498
On Dimming System: No
Voltage: UNV 120-277
Fixture Input (Max. Watts): 23
Dimming Type: 0 - 10V
Lamp Type: Integrated LED
Lens/Shade: Full Frosted Lens
Lamp CRI: 80
Lamp Kelvin: 3500K

Notes

Efficacy: 109
Lamp Life/Fixture Life: 50000

Metalux AP Series

DESCRIPTION

The SLSTP is a low profile, high quality luminaire offering the latest solid state lighting and electronic driver technology that optimizes performance and energy efficiency. With the SLSTP's low profile design, this series is an ideal solution for restricted spaces and meets traditional requirements for single or continuous row applications.

The SLSTP is an excellent solution for commercial, industrial, retail or residential applications. Ideal for new construction or simple fluorescent retrofit replacement.

Catalog #	2SLSTP2035DD-UNV
Project	
Comments	
Prepared by	Kathleen Kenny, National Account, 678-447-5208, kathleenkenny@eaton.com

Type	
Date	1/27/2020

SPECIFICATION FEATURES

Construction
Fixture channel, cover and end plates are formed from cold rolled steel and offers all of the features needed for installation including multiple KO, a round J-box cover, wiring connectors and decorative end caps. The SLSTP is post painted for ease of handling. Decorative end caps snap-on for an improved aesthetic finish. The SLSTP is suitable for either single or continuous row applications.

Controls
Combine with energy saving products like occupancy sensors, daylighting controls, and lighting relay panels to maximize energy savings. Standard 0-10V continuous dimming driver works with any standard 0-10V control/dimmer. Dimming range is 10% to 100% and varies by control device. 120V drivers work with standard 120V phase cut dimmers.

See dimming compatability chart posted on website. Optional simple occupancy sensors enable code compliance all in a simple package.

Electrical
Long-Life LED system with an energy-efficient electronic driver comes in UNV (120-277V) or 120V versions. Both drivers offer smooth dimming with a number of residential and commercial dimmers. LED's CCT are 3500K and 4000K with a CRI ≥ 80. Projected life is 50,000 hours at 70% lumen output.

Finish
Post painted with high reflective paint – standard.

Shielding
SLSTP offers a frost lens with decorative end caps for single and end of the row applications.

Installation
Fixture may be surface, suspended, or wall mounted. Multiple 7/8" K.O. on back and one on each end. See accessories below for ordering information.

Compliance
cULus listed for damp location rated. LED's comply with IESNA LM-79 and LM-80 standards. Under 4", ADA Compliant. DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details. RoHS compliant. Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements.

Warranty
Five-year warranty.

SLSTP LENSED LED

Lensed LED Striplight

2-7/16" [62mm]

2-7/16" [62mm]

WITH ENDCAP INSTALLED

2-19/31" [66mm]

2-3/8" [60mm]

WITH SENSOR – NO ENDCAP INSTALLED
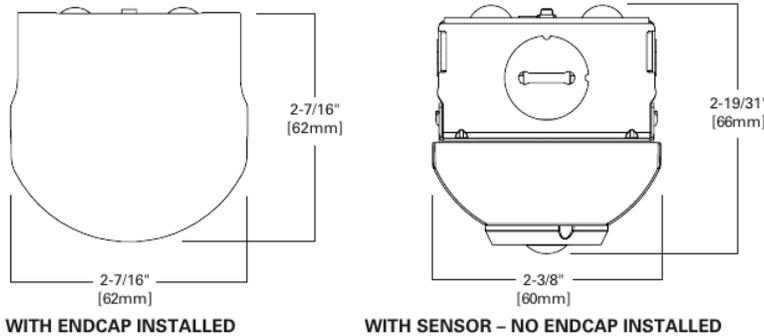
MOUNTING DATA (SHOWN WITH ENDCAPS)

2'
2-7/16" [62mm]
11-11/16" [297mm]
⌀K.O (5) 7/8" [22mm]
2-1/8" [54mm]
23-7/16" [595mm]

4'
2-7/16" [62mm]
23-1/4" [591mm]
⌀K.O (5) 7/8" [22mm]
2-1/8" [54mm]
46-1/2" [1181mm]

8'
2-1/2" [64mm]
47-15/16" [1218mm]
24-1/16" [612mm]
7-9/16" [192mm]
96" [2438mm]
92SL8040 is 92" [2337mm] overall
⌀K.O (9) 7/8" [22mm]
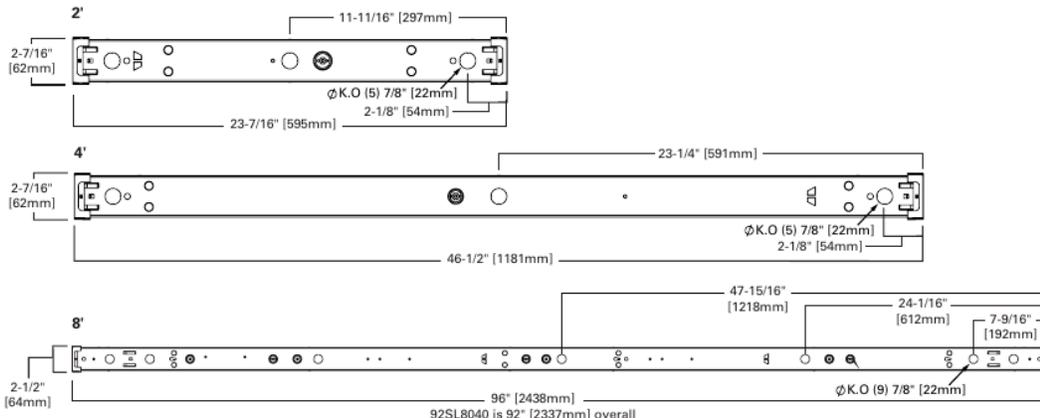
LOAD DATA

	2'	4'	8'
PF	0.99	0.99	0.98
THD%	13.6	12.9	< 20
Weight	2.8	4.6	9
Low Temp Start	-20C	-20C	-20C

LINEAR DISCONNECT

Safe and convenient means of disconnecting power

F·A·T·N
Powering Business Worldwide

ISO SYSTEMS CERTIFIED

PHOTOMETRICS
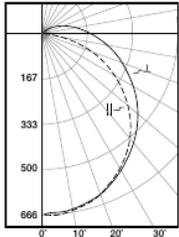
4SLSTP2040DD-UNV

Electronic Driver

Linear LED 4000K

Spacing criterion: (II) 1.26 x mounting height, (⊥) 1.29 x mounting height

Lumens: 2410

Input Watts: 21.3W

Efficacy: 113.1 lm/W

Test Report: 4SLSTP2040DD-UNV.IES

Candlepower

Angle	Along ‖	45°	Across ⊥
0	661	661	661
5	663	664	655
10	655	657	648
15	639	644	637
20	618	627	620
25	592	603	598
30	563	576	572
35	528	544	544
40	488	506	513
45	445	467	481
50	399	426	446
55	349	383	411
60	297	340	374
65	241	296	338
70	180	253	302
75	121	209	266
80	65	172	233
85	21	140	199
90	0	111	169

Coefficients of Utilization

Effective floor cavity reflectance 20%

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	105	99	94	89	101	96	91	87	90	86	83	84	81	78	79	77	75	72
2	94	85	78	71	91	82	76	70	77	72	67	73	68	64	68	64	61	58
3	86	74	65	58	82	72	64	57	67	61	55	64	58	53	60	55	51	48
4	78	65	56	49	75	63	55	48	60	52	46	56	50	45	53	48	43	41
5	72	58	49	42	69	56	48	41	53	46	40	50	44	39	48	42	37	35
6	66	52	43	36	63	51	42	36	48	40	35	45	39	34	43	37	33	30
7	61	47	38	32	59	46	37	31	44	36	31	41	35	30	39	33	29	27
8	57	43	34	28	55	42	34	28	40	32	27	38	31	26	36	30	26	24
9	53	39	31	25	51	38	30	25	37	29	24	35	28	24	33	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	22	31	25	21	19

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	518	21.5
0-40	854	35.4
0-60	1551	64.3
0-90	2193	91.0
0-180	2410	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	9755	6140	5491
55	9272	5254	4765
65	8452	4384	4107
75	6532	3478	3507
85	2635	2754	2966
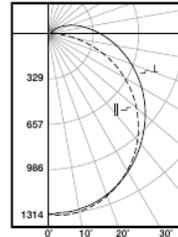
4SLSTP4040DD-UNV

Electronic Driver

Linear LED 4000K

Spacing criterion: (II) 1.27 x mounting height, (⊥) 1.29 x mounting height

Lumens: 4760

Input Watts: 43.5W

Efficacy: 109.4 lm/W

Test Report: 4SLSTP4040DD-UNV.IES

Candlepower

Angle	Along ‖	45°	Across ⊥
0	1307	1307	1307
5	1316	1304	1297
10	1300	1289	1282
15	1271	1264	1258
20	1229	1229	1224
25	1178	1183	1179
30	1117	1128	1128
35	1048	1062	1072
40	969	991	1011
45	880	913	947
50	789	833	882
55	689	748	812
60	586	666	741
65	475	581	670
70	358	497	600
75	240	417	530
80	128	344	464
85	41	280	401
90	1	222	343

Coefficients of Utilization

Effective floor cavity reflectance 20%

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	105	99	94	89	101	96	91	87	90	86	83	84	81	78	79	77	74	72
2	94	85	78	71	91	82	75	70	77	72	67	73	68	64	68	64	61	58
3	86	74	65	58	82	72	64	57	67	61	55	63	58	53	60	55	51	48
4	78	65	56	49	75	63	55	48	60	52	46	56	50	45	53	48	43	41
5	72	58	49	42	69	56	48	41	53	46	40	50	44	39	47	42	37	35
6	66	52	43	36	63	51	42	36	48	40	35	45	39	34	43	37	33	30
7	61	47	38	32	59	46	37	31	43	36	30	41	35	30	39	33	29	27
8	57	43	34	28	55	42	34	28	40	32	27	38	31	26	36	30	26	24
9	53	39	31	25	51	38	30	25	37	29	24	35	28	24	33	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	22	31	25	21	19

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	1021	21.5
0-40	1682	35.3
0-60	3053	64.1
0-90	4328	90.9
0-180	4760	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	20094	12212	10812
55	19395	10476	9413
65	18147	8821	8140
75	14972	7149	6987
85	7595	5711	5976
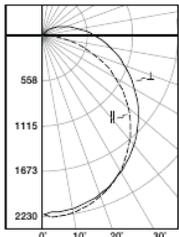
8SLSTP8040DD-UNV

Electronic Driver

Linear LED 4000K

Spacing criterion: (II) 1.28 x mounting height, (⊥) 1.30 x mounting height

Lumens: 8176

Input Watts: 71W

Efficacy: 115 lm/W

Test Report: 8SLSTP8040DD-UNV.IES

Candlepower

Angle	Along ‖	45°	Across ⊥
0	2200	2200	2200
5	2226	2188	2174
10	2200	2164	2151
15	2151	2123	2115
20	2082	2064	2060
25	1995	1989	1991
30	1892	1898	1912
35	1770	1789	1819
40	1638	1673	1722
45	1490	1543	1618
50	1330	1407	1507
55	1166	1271	1391
60	987	1129	1271
65	801	990	1154
70	604	850	1038
75	401	718	923
80	219	598	813
85	71	491	708
90	4	389	606

Coefficients of Utilization

Effective floor cavity reflectance 20%

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	99	94	89	100	95	91	87	89	85	82	83	80	78	78	76	74	71
2	94	85	78	71	90	82	75	69	77	71	66	72	67	63	68	64	60	57
3	85	74	65	58	82	71	63	57	67	60	55	63	57	52	59	54	50	47
4	78	65	56	49	75	63	54	48	59	52	46	56	49	44	52	47	43	40
5	71	58	48	42	68	56	47	41	53	46	39	50	43	38	47	41	37	34
6	66	52	43	36	63	50	42	35	48	40	34	45	38	33	42	37	32	30
7	61	47	38	32	58	46	37	31	43	36	30	41	34	29	39	33	28	26
8	57	43	34	28	54	42	33	28	39	32	27	37	31	26	36	30	25	24
9	53	39	31	25	51	38	30	25	36	29	24	34	28	23	33	27	23	21
10	49	36	28	23	48	35	28	22	33	27	22	32	26	21	30	25	21	19

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	1724	21.1
0-40	2842	34.8
0-60	5168	63.2
0-90	7359	90.0
0-180	8176	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	16652	10222	9228
55	15921	8802	8055
65	14631	7411	7002
75	11606	6055	6076
85	5307	4909	5268
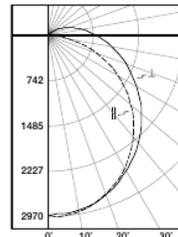
8SLSTP11040DD-UNV

Electronic Driver

Linear LED 4000K

Spacing criterion: (II) 1.26 x mounting height, (⊥) 1.28 x mounting height

Lumens: 10476

Input Watts: 83.4W

Efficacy: 126 lm/W

Test Report: 8SLSTP11040DD-UNV.IES

Candlepower

Angle	Along ‖	45°	Across ⊥
0	2941	2941	2941
5	2957	2913	2925
10	2913	2876	2888
15	2838	2819	2934
20	2740	2736	2750
25	2612	2626	2643
30	2470	2499	2523
35	2302	2349	2391
40	2123	2186	2255
45	1922	2008	2101
50	1713	1825	1949
55	1494	1636	1792
60	1265	1451	1628
65	1021	1263	1464
70	769	1076	1309
75	514	905	1155
80	272	747	1011
85	83	609	875
90	2	485	747

Coefficients of Utilization

Effective floor cavity reflectance 20%

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	105	99	94	89	101	96	91	87	90	86	83	84	81	79	79	77	75	72
2	94	86	78	71	91	83	76	70	77	72	67	73	68	64	68	64	61	58
3	86	74	66	59	82	72	64	57	68	61	55	64	58	53	60	55	51	48
4	78	66	56	49	75	64	55	48	60	52	47	56	50	45	53	48	43	41
5	72	58	49	42	69	57	48	41	53	46	40	50	44	39	48	42	37	35
6	66	52	43	36	64	51	42	36	48	41	35	46	39	34	43	37	33	31
7	61	47	38	32	59	46	38	32	44	36	31	41	35	30	39	34	29	27
8	57	43	34	28	55	42	34	28	40	33	27	38	31	26	36	30	26	24
9	53	40	31	26	51	39	31	25	37	30	25	35	29	24	33	28	23	21
10	50	36	28	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	2284	21.8
0-40	3749	35.8
0-60	6761	64.5
0-90	9534	91.0
0-180	10476	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	21477	13298	11981
55	20401	11328	10379
65	18652	9456	8882
75	14847	7637	7605
85	6211	6092	6513

ORDERING INFORMATION

| Catalog #	UPC	Master Carton (2 units) UPC	Length	CCT (K)	Delivered Lumens	Watts	Efficacy (lm/W)	Controls	Input Current (A) 120V	277V
2SLSTP1040DD-120V	80083705771	80083713363	2	4000	1250	11	113	Phase Cut Dim to 10%	0.09	–
2SLSTP2040DD-120V	80083705788	80083713370	2	4000	2510	23	111	Phase Cut Dim to 10%	0.19	–
4SLSTP2040DD-120V	80083705795	80083713387	4	4000	2579	23	114	Phase Cut Dim to 10%	0.19	–
4SLSTP4040DD-120V	80083705801	80083713394	4	4000	4474	40	112	Phase Cut Dim to 10%	0.33	–
2SLSTP2035DD-UNV	80083814763	80083814770	2	3500	2498	23	110	0-10V Dim to 10%	0.19	0.08
2SLSTP2040DD-UNV	80083807826	80083807833	2	4000	2510	23	111	0-10V Dim to 10%	0.19	0.08
4SLSTP2040DD-UNV	80083705818	80083713400	4	4000	2410	21	113	0-10V Dim to 10%	0.18	0.08
4SLSTP4035DD-UNV	80083807765	80083807772	4	3500	4695	41	115	0-10V Dim to 10%	0.34	0.15
4SLSTP4040DD-UNV	80083705825	80083713417	4	4000	4760	44	109	0-10V Dim to 10%	0.36	0.16
4SLSTP5535DD-UNV	80083807802	80083807819	4	3500	5620	49	114	0-10V Dim to 10%	0.41	0.18
4SLSTP5540DD-UNV	80083807789	80083807796	4	4000	5845	49	119	0-10V Dim to 10%	0.41	0.18
8SLSTP11035DD-UNV	80083807703	80083807710	8	3500	10322	83	124	0-10V Dim to 10%	0.7	0.3
8SLSTP11040DD-UNV	80083807680	80083807697	8	4000	10464	83	125	0-10V Dim to 10%	0.7	0.3
8SLSTP8035DD-UNV	80083804368	80083804375	8	3500	8064	71	114	0-10V Dim to 10%	0.59	0.26
8SLSTP8040DD-UNV	80083814787	80083814794	8	4000	8176	71	115	0-10V Dim to 10%	0.59	0.26
4SLSTP4040CS	80083807741	80083807758	4	4000	4835	41	118	0-10V Dim to 10% and simple occupancy sensor	0.34	0.15
8SLSTP8040CS	80083807727	80083807734	8	4000	8304	72	115	0-10V Dim to 10% and simple occupancy sensor	0.6	0.26
8SL8040	80083807925	80083807932	8	4000	8176	71	115	0-10V Dim to 10%	0.62	0.27
92SL8040	80083807956	80083802876	92"	4000	7866	74	106	0-10V Dim to 10%	0.62	0.27

ACCESSORIES (ORDER SEPARATELY) NOT FOR USE WITH 92SL8040

ROW ALIGNER 8' - 8'
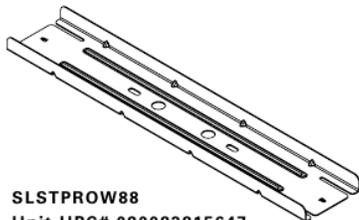
SLSTPROW88
Unit UPC# 080083815647
Master Carton UPC# 080083815654
(50 per Master)

**ROW ALIGNER 8' - 4'**
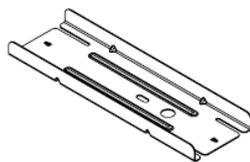
SLSTPROW842
Unit UPC# 080083815661
Master Carton UPC# 080083815678
**(100 per Master)**

AYC-CHAIN/SET=36" Hanging Chain Set w/V Hooks
TOGGLE-10=10' Suspension Aircraft Cable Kit (specify if another length needed)
SCF-12-B=12" Fixed Stem Set (specify if another length needed)
2SLSTPLNS=2 ft. Replacement Lens
4SLSTPLNS=4 ft. Replacement Lens
8SLSTPLNS=8 ft. Replacement Lens
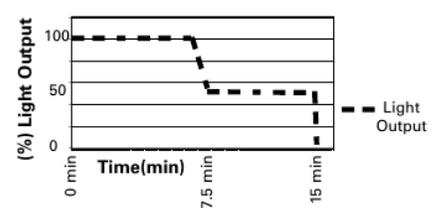
SENSOR COVERAGE ("CS" SKU DESIGNATION)

SENSOR COVERAGE PATTERN TOP VIEW
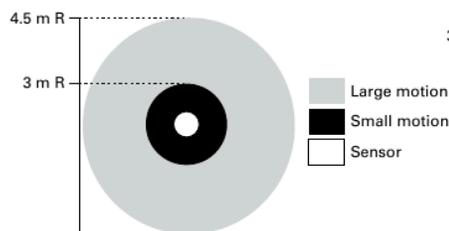
SENSOR COVERAGE PATTERN SIDE VIEW
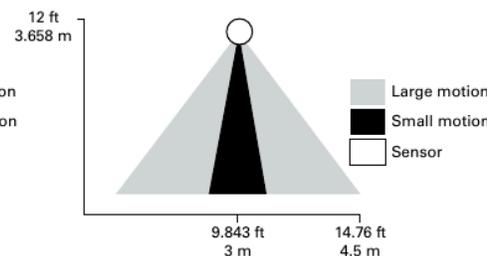
LIGHT OUTPUT VERSUS TIME

SHIPPING DATA

Catalog Base	Wt.	Units per Pallet
2SLSTP	2.8 lbs.	144
4SLSTP	4.6 lbs.	72
8SLSTP	9 lbs.	45

ALR - Recessed Linear

RECESSED LINEAR

Recessed Direct Mount 4" downlight wi...

Manufacturer: Cooper Lighting
Style/Series: ML4DM10LSFL9FS1E-TL40R2GMW

Attributes

Recessed Direct Mount 4" downlight with matte white reflector and flange,
diffuse lens. Wet Location.

Type: Recessed Downlight

DIMENSIONS

Diameter: 4.25"

MATERIAL/FINISH

Finish: White

MISCELLANEOUS

Lead Time: In stock or 4 weeks
Warranty: Five year limited warranty

CUSTOM FIELDS

Finish: Matte White Flange Black Lens Frame
Delivered Lumens (LED) or Mean Lumens (Non-LED): 1000
Mount: Recessed
Lamp Type: LED
Lens/Shade: Clear diffuser
Lamp CRI: 90+
Trim: Round Lensed Pinhole
Reflector: NFL - 25 degree Narrow Flood
Voltage: 120
On Dimming System: No
Lamp Kelvin: 3000K
Dimming Type: NA

Notes

Efficacy: 83.7
Lamp Life/Fixture Life: 50,000
Fixture Input (Max. Watts): 9.4

HALO

ML4 Canless Downlighting System

A LED fixture fitting with remote driver suitable for direct mount without a housing or junction box can be used with round and square open, lens and lens wall wash trims providing various downlight and wall wash distributions.

Typical Applications

Residential • Hospitality • Retail

Interactive Menu

- Order Information page 2
- Product Specifications page 3
- Energy Data page 3
- Photometric Data page 4
- Product Warranty
- Dimming Guide

Product Certification

Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
Certified to California Appliance Efficiency Database under JA8.

Product Features

Top Product Features

- Field selectable 2700, 3000, 3500, 4000 or 5000K CCT, 90 CRI minimum
- Optional full spectrum color, 95 CRI minimum
- Optional warm dimming, field selectable 2700 – 1800 or 3000 – 1800K CCT ranges
- Field selectable 600, 800 or 1000 lumens
- Field interchangeable 25°, 40°, 55° or wall wash distribution patterns, ships with 40 degree installed
- Installs from below, does not require a recessed housing or junction box
- Remote driver / junction box
- 120V LE/TE phase cut or 120-277V 0-10V dimming to 5% with select controls

Dimensional and Mounting Details

NO HOUSING NEEDED!

Cutout size: 4-1/4"

4.60" [116.85mm]

4.84" [123mm]

4.14" [105.08mm]

6.42" [163mm]
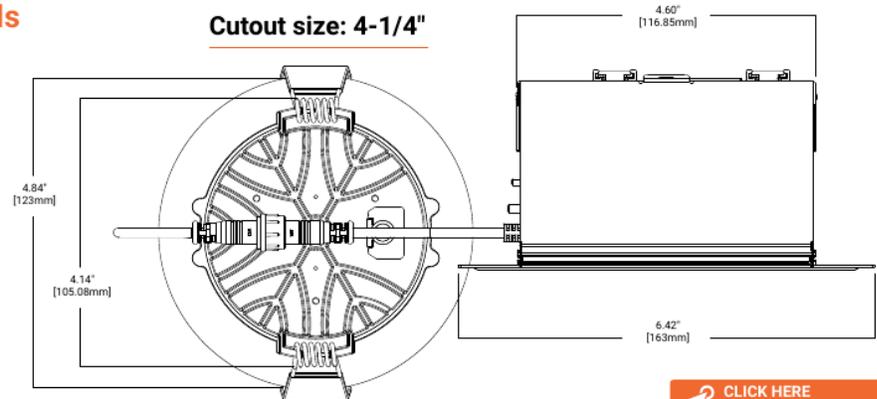
CLICK HERE
additional dimensions

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Order Information

SAMPLE ORDER NUMBER: **ML4DM10LSFL9FS1E - TL41RMW**

A complete luminaire consists of a fixture fitting + trim, order separately.

Fixture Fitting

Catalog Number	Description
ML4DM10LSFL9FS1E	4" Canless, Lumen Select(600/800/1000lms), 5CCT selectable, 90CRI, 40° optic, 120V, LE/TE 5% Dim
ML4DM10LSFL9FSE010	4" Canless, Lumen Select(600/800/1000lms), 5CCT selectable, 90CRI, 40° optic, 120-277V 0-10V 5% Dim
ML4DM08LSFL95FS1E	4" Canless, Lumen Select(400/600/800lms), 5CCT selectable, 95CRI, 40° optic, 120V LE/TE 5% Dim
ML4DM06FLD2W1E	4" Canless, 600lms, Selectable D2W, 90CRI, 40° optic 120V LE/TE 5% Dim

Accessories

Accessories
TIR4D25NFL = 25° narrow flood optic **TIR4D40FL** = 40° flood optic **TIR4D55WFL** = 55° wide flood optic **TIR4D25AWW** = 25° narrow flood asymmetric wall wash optic **TIR45MH12PK** = replacement media holder, package of 12 **L100 Series** = 2.0" lens and filters, see spec sheet **HL4RSMF** = 4" Mounting Frame (Round or Square)

Trims   Shielding   Flange Finish

Trims	Shielding	Flange Finish
TL40R = 3-1/2" conical reflector (8)	**2G** = Diffuse lens	**MW** = Matte white reflector and flange
TL41R = 2" round pinhole **TL42S** = 2" square pinhole	None	**MW**=Matte white flange **MB**=Matte black flange **BN**=Brushed nickel flange **ORB**=Oil rubbed bronze flange **GB**=German bronze flange **BCu**=Brushed copper flange
TL43R = 2" round lens pinhole **TL44S** = 2" square lens pinhole	**2G** = Diffuse lens	**MWWB** = Matte white flange, white lens frame **MWBB** = Matte white flange, black lens frame **MBBB** = Matte black flange, black lens frame **BNBB** = Brushed nickel flange, black lens frame **ORBBB** = Oil rubbed bronze flange, black lens frame **GBBB** = German bronze flange, black lens frame **BCuBB** = Brushed copper, black lens frame
TL45R = 2" round lens wall wash **TL46S** = 2" square lens wall wash	**6G** = Linear spread lens	**MWWB** = Matte white flange, white lens frame **MWBB** = Matte white flange, black lens frame
Notes (8) TL40R trim provides 1.15" lens regression to ML4 fixture.	**Notes**	**Notes**

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Product Specifications

Housing
- Die cast aluminum housing provides passive thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications
- Retention springs holds housing securely in 3/8" to 1-1/2" thick ceilings, can be removed for service or replacement
- Not suitable for 2x4 framing

Optional Mounting Frame
- Pre-galvanized steel mounting frame locates fixture fittings during electrical rough-in and provides cutout guidance for drywall contractor
- Provides attachment of remote driver / junction box

LED Array
- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 3 SDCM at end points and 4 SDCM in the middle providing color accuracy and uniformity

VividTune
- Field selectable 2700, 3000, 3500, 4000 or 5000K CCT, factory set at 3000K CCT
- Optional full spectrum color, 95 CRI minimum with R1-R15 values ranging from 92 to 100, excellent TM-30 metrics; Rf ranging from 96-98 and Rg >98
- Field selectable 600, 800 and 1000 lumens

VividTune
- D2W™ dim-to-warm option shifts color temperature from 3000 to 1800 K CCT or 2700 to 1800 K CCT as fixture dims mimicking the black body dimming response of halogen or incandescent lamps

Trims
- Field interchangeable trims are available in 3-1/2" aperture conical and 2-inch round or square pinhole apertures
- Available in a broad range of painted or plated finishes, can be painted in the field to match any décor
- Magnetic attachment holds trim tightly to ceiling and minimizes light leaks
- Conical trim provides 1.15" lens regression to ML4 fixture.

Primary Optic
- Precision molded TIR optic organizes source flux into useful beams without stray lumens in the field
- Low glare, UGR < 17
- Two-piece construction with matte black mounting ring and polarized turn and lock mounting aligns optic to source and minimizes backlight in the housing
- Meets ENERGY STAR® color angular uniformity requirements, color deviation is typically less than 0.004 u' v'
- Available in narrow flood, flood, wide flood and asymmetric wall wash distributions, ships with flood optic factory installed, order alternate distributions or replacements separately

Media
- Integral media holder accepts (2) lens or louver 2" diameter 3.0mm thick color filters, lens or louvers
- Order media separately

Driver
- Integral 120V 60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut control
- Optional UNV 120-277V 50/60 Hz driver with 0 -10V analog dimming from 100% to 5%

Remote Driver / Junction Box
- Pre-galvanized steel driver/junction box with captive hinged junction box cover
- Listed for six #12 AWG 90° C splice conductors, two in, two out plus ground
- Two 1/2" conduit pry-outs
- Two Slide-N-Side™ non-metallic (NM) wire traps allow wiring outside the box
- Accepts NM cable types: 14-2, 14-3, 12-2, 12-3 (U.S.) and 14-2, 14-3, 12-2 (Canadian)
- Three 4-port push wire nuts with clear caps for quick and reliable mains voltage connections
- Integral mounting holes facilitate direct mounting to building structure or mounting frame

Compliance
- UL Certified US and Canada
- Damp and wet location listed, covered ceilings only and IP65, below the ceiling only with lens trims
- Airtight per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- ENERGY STAR® certified, reference Certified Light Fixtures database
- Can be used for State of California Title 24 high efficacy LED compliance under JA8, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2019 JA8 High Efficacy Lighting

Warranty
- Five-year limited warranty, consult
- website for details www.cooperlighting.com

Energy Data

	ML4DM10LSFL9FS1E	ML4DM10LSFL9FSE010		ML4DM08LSFL95FS1E	ML4DM06FLD2W1E
Lumens (nom)	1000	1000	1000	800	600
Input Voltage (VAC)	120	120	277	120	120
Input Current (A)	0.11	0.10	0.05	0.11	0.08
Efficiency (LpW)	83.7	82.3	N/A	65.5	74.7
Inrush Current (A)	3.1	1.8	2.8	3.1	2.2
Inrush Duration (ms)	0.036	0.048	0.043	0.036	0.039
THD	≤ 20%	≤ 20%	≤ 20%	≤ 20%	≤ 20%
PF	≥ 0.90	≥ 0.90	≥ 0.90	≥ 0.90	≥ 0.90
T Ambient (C)	-30 to +40	-30 to +40	-30 to +40	-30 to +40	-30 to +40
Sound Rating	≤ 22 dba	≤ 22 dba	≤ 22 dba	≤ 22 dba	≤ 22 dba

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Photometric Data

ML4DM10LSNFL9FS1E - TIR4D25NFL - TL41R_ TL42S_ 3000K

Spacing criterion:
(0-180) 0.43 | (90-270) 0.43 | (Diagonal) 0.46
Beam Angle: 25°
Field Angle: 56°
Lumens: 1056
Input Watts: 12.9 W
Efficacy: 81.9 LPW
UGR: 11
Test Report: P601453

Chart values (top to bottom): 3640, 2730, 1820, 910, 0

0-deg | 45-deg | 90-deg

Zonal Lumen	Lumens	% Lumens
0-30	930	88.1
0-40	1023	96.9
0-60	1054	99.8
0-90	1056	100

TM-30-15	Rf = 94
	Rg = 99
CRI/CIE	Ra = 96.4
	R9 = 74

CCT - Range of 2700K- 5000K

25°

ML4DM10LSFL9FS1E - TIR4D40FL - TL41R_ TL42S_ 3000K

Spacing criterion:
(0-180) 0.67 | (90-270) 0.67 | (Diagonal) 0.63
Beam Angle: 40°
Field Angle: 64°
Lumens: 1050
Input Watts: 12.9 W
Efficacy: 81.4 LPW
UGR: 11
Test Report: P601443

Chart values (top to bottom): 2207, 1655, 1104, 552, 0

0-deg | 45-deg | 90-deg

Zonal Lumen	Lumens	% Lumens
0-30	924	88
0-40	1017	96.9
0-60	1049	99.9
0-90	1050	100

TM-30-15	Rf = 94
	Rg = 99
CRI/CIE	Ra = 96.4
	R9 = 74

CCT - Range of 2700K- 5000K

40°

ML4DM10LSWFL9FS1E - TIR4D55WFL - TL41R_ TL42S_ 3000K

Spacing criterion:
(0-180) 0.91 | (90-270) 0.91 | (Diagonal) 0.84
Beam Angle: 56°
Field Angle: 79°
Lumens: 1062
Input Watts: 12.9 W
Efficacy: 82.3 LPW
UGR: 12
Test Report: P601463

Chart values (top to bottom): 1325, 994, 663, 331, 0

0-deg | 45-deg | 90-deg

Zonal Lumen	Lumens	% Lumens
0-30	846	79.7
0-40	1021	96.2
0-60	1062	100
0-90	1062	100

TM-30-15	Rf = 94
	Rg = 99
CRI/CIE	Ra = 96.4
	R9 = 74

CCT - Range of 2700K- 5000K

56°

ML4DM10LSAWW9FS1E - TIR4D25AWW - TL41R_ TL42S_ 3000K

Spacing criterion:
(0-180) 1.31 | (90-270) 0.61 | (Diagonal) 0.81
Beam Angle: 25°
Tilt Angle: 23°
Lumens: 625
Input Watts: 12.9 W
Efficacy: 48.4 LPW
Test Report: P601428

Chart values (top to bottom): 1354, 1016, 677, 339, 0

0-deg | 45-deg | 90-deg

Zonal Lumen	Lumens	% Lumens
0-30	389	62.2
0-40	525	84.1
0-60	618	98.9
0-90	625	100

TM-30-15	Rf = 94
	Rg = 99
CRI/CIE	Ra = 96.4
	R9 = 74

CCT - Range of 2700K- 5000K

25°

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Dimensional and Mounting Details

5.69"
[144.50mm]

Cutout size: 4-1/4"

.098"
[2.50mm]

3.08"
[78.25mm]

1.53"
[38.90mm]

2.38"
[61mm]

Ø 4.84"
[123mm]

Lens Pinhole Downlight

5"
[127mm]

2-5/32"
[55mm]

5"
[127mm]

2-5/32"
[54.99mm]

Lens Wall Wash

5"
[127mm]

2-1/2"
[65.04mm]

2-5/16"
[59.19mm]

5"
[127mm]

2-1/2"
[65.03mm]

2-5/16"
[59.19mm]

Lens Conical Reflector

Ø 3.36"
[85.42mm]

Ø 2.5"
[63.44mm]

Ø 4.94"
[125.48mm]

Ø 4.86"
[123.44mm]

.15"
[3.81mm]

1.15"
[29.21mm]

Cutout dimension

4-1/4"
[108mm]

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions
subject to change without notice.

PS51828222 **page 5**
September 23, 2022 4:30 PM

COOPER Lighting Solutions

RECESSED LINEAR

5" Downlight Recessed

Manufacturer: Signify/Lightolier
Style/Series: L5R10AZ10UVB/L5R10930VB/L5RDD

Sales Rep

Primary

Ryan Smillie
Email: ryan.smillie@signify.com
Office Phone: 408-813-3032

Attributes

5" Downlight Recessed

Type: Recessed Downlight

DIMENSIONS

Width: 5.5"
Length: 8.5"
Height: 3.5"

MISCELLANEOUS

Lead Time: In stock or 4 weeks
Warranty: Five year limited warranty

CUSTOM FIELDS

Finish: Matte White
Delivered Lumens (LED) or Mean Lumens (Non-LED): 953
Mount: Recessed
Lamp Type: LED
Lens/Shade: Flange Opal Lens
Lamp CRI: 94
Trim: Round 5" Aperture
Reflector: NFL - 25 degree Narrow Flood
Voltage: 120-277V
On Dimming System: No
Lamp Kelvin: 3000K
Dimming Type: NA

Notes

Lamp Life/Fixture Life: 50000
Fixture Input (Max. Watts): 12W

LyteCaster LED Downlights are ideal general purpose downlighting solution, providing comfortable, quality light. Available in new construction and remodeler frame with interchangeable light engine that is offered in two lumen packages. The downlight is wet location listed and comes in 3 standard option.

Project:

Location:

Cat.No:

Type:

Qty:

Notes:

Complete unit = Housing + Downlight or Adjustable Light Engine + Trim (order each separately)

Housing

example: L5R15AE1VB

Series	Lumens	Installation (all with AirSeal IC)	Dimming	Version
L5R	**10**	**A**	**Z10U**	**VB**
L5R LyteCaster 5" (for round and square configurations)	**10** 1000 lm **15** 1500 lm	**A** New Construction w/ Screws **AN** New Construction w/ Nails	**E1** Phase Control (ELV/TRIAC 120V) **Z10U** 0-10V (Universal 120-277V)	**VB** Version B
	10 1000 lm **15** 1500 lm	**R** Remodeler		

Downlight Light Engine

example: L5R15930VB

Series	Lumens	CRI/CCT	Finishes	Version
L5R	**10**	**930**		**VB**
L5R LyteCaster 5" round downlight (compatible with square trims)	**10** 1000 lm **15** 1500 lm	**927** 90 CRI / 2700K **930** 90 CRI / 3000K **935** 90 CRI / 3500K **940** 90 CRI / 4000K **950** 90 CRI / 5000K	— Specified with Trim below	**VB** Version B

Adjustable Light Engine

example: L5R15930WVB

Series	Lumens	CRI/CCT	Finishes	Version
L5RA				**VB**
L5RA Lytecaster 5" round adjustable (trim is integrated)	**10** 1000 lm **15** 1500 lm	**927** 90 CRI / 2700K **930** 90 CRI / 3000K **935** 90 CRI / 3500K **940** 90 CRI / 4000K **950** 90 CRI / 5000K	**W** White Reflector / White Flange (integral to light engine for adjustable, do not specify Trim seperately)	**VB** Version B

Trim (for downlights only)

example: L5RDW

Series	Style/Finish/Flange
L5R	**DD**
L5R LyteCaster 5" round downlight **L5S** LyteCaster 5" square downlight	**DD** Open Downlight / Clear Diffuse / White Flange **DW** Open Downlight / White Finish / White Flange **BW** Baffle Downlight / White Finish / White Flange

WET LOCATION · c UL us LISTED · RoHS COMPLIANT · ENERGY STAR

L5R & L6S LyteCaster LED 5"

Round & Square downlights and Round adjustables (1000lm & 1500lm)

New construction housing

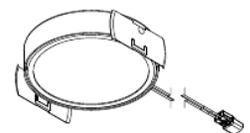13 1/2"
(342mm)

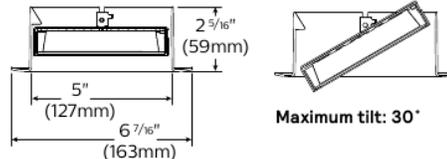11 5/8"
(296mm)

8 1/4"
(210mm)

8"
(202mm)

13" Min.
(330mm)

24" Max.
(610mm)

Bottom view

11 1/2"
(292mm)

3 3/8"
(86mm)

Side view

5 1/2"
(140mm)
Cut out

1 1/4"
(32mm)
Max.

Remodeler housing

12 1/8"
(308mm)

Bottom view

5 3/4"
(146mm)

3 5/8"
(92mm)

Side view

5 3/8"
(137mm)

1/2"
(13mm)

5 1/2"
(140mm)

2 3/4"
(70mm)

Front view

Downlight trim

2 5/16"
(59mm)

4 3/8"
(111mm)

6 1/8"
(155mm)

Round

2 5/8"
(66mm)

Square

3 9/16"
(91mm)
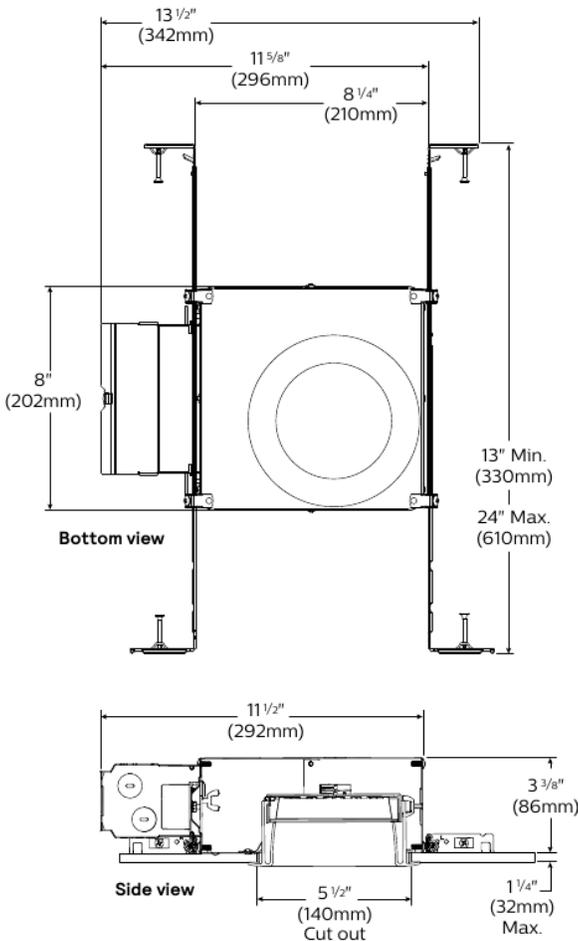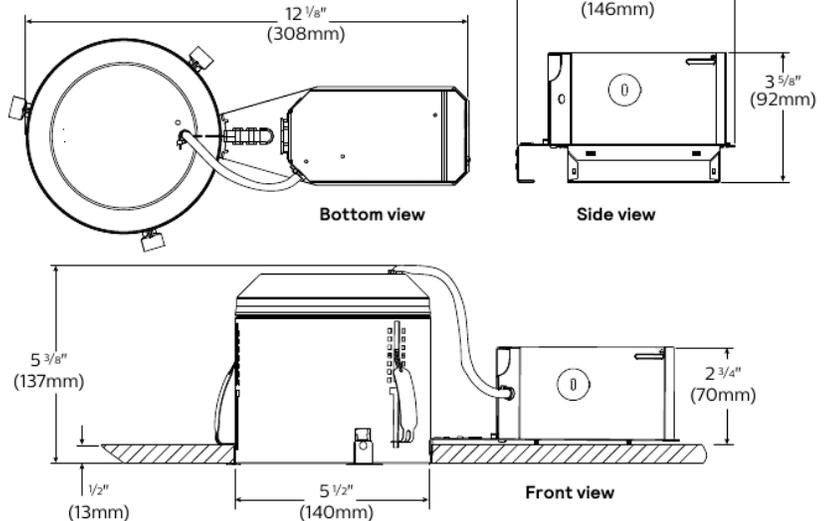
6 1/16"
(154mm)
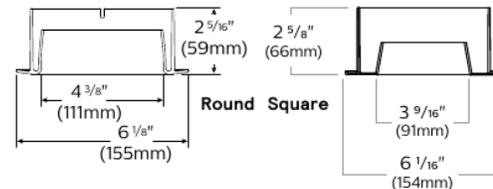
Light engine

Adjustable light engine/trim

2 5/16"
(59mm)

5"
(127mm)

6 7/16"
(163mm)

Maximum tilt: 30˚

Features

Housing: UL listed for direct contact with thermal insulation. Airseal® housing minimizes air leakage to less than 2 CFM at 1.57PSF (or 75PA), which complies with the International Energy Conservation Code, and Washington State Energy Code (Section 502.4). This reduces heat loss and condensation in ceiling.

Housing (new construction): .026" galvanized steel. Access door for inspection of junction box.

Housing (remodeler): .032" aluminum. Integral retaining spring secures housing to ceilings up to 2" thick. Removable for access to junction box and ceiling plenum. 5½" maximum for use in 2"x6" joist construction and shallow plenum applications.

Junction Box (new construction): 2½"x5⅜"x2" (27 cu. in) .032" galvanized steel. UL listed 90°C supply conductors. Rated for branch circuit wiring supplying connected luminaires (daisy chaining).

Junction Box (remodeler): 2½"x2½"x4⅛" (29 cu in.) .031" galvanized steel. UL listed for 90°C supply conductors. Rated for branch circuit wiring supplying connected luminaires.

Retaining clips: Permits fast and easy installation of light engine/trim.

Lower frame and top cover: .026" galvanized steel. Accommodates ceilings up to 1" (25mm) thick. Deep integral lip is ⅜" (9.5mm) with four notches at 90° apart to simplify alignment. Locks into position along length of mounting bars with locking screws.

Driver – ELV /Triac: 120V, 50/60Hz. RoHS compliant, Class 2 power supply. Complies with FCC rules per Title 47 Part 15 (Class B) for EMI/RFI (conducted & radiated). Class A sound rating.

Driver – 0-10V: 120/277V, 50/60Hz. RoHS compliant, Class 2 power supply. Complies with FCC rules per Title 47 Part 15 (Class A) for EMI/RFI (conducted & radiated). Class A sound rating.

Mounting bars: .059" galvanized steel. Bars pivot for easy attachment and wire-in below ceiling line. Bars extend to accommodate 16" (406mm) to 24" (610mm) O.C. joist spacing. Bars can accommodate 12" (305mm) O.C. joist spacing after a slight field modification (see Instruction sheet). Features integral self tapping phillips/square drive screws for secure attachment to wood or metal construction. Also available with integral nails. Attaches to T-bar ceilings without the need of accessories. Bars installed on shortest dimension of frame, but can be easily repositioned 90° from original position.

Ceiling cutout: 5½" (140mm).

ENERGY STAR®

Product family has ENERGY STAR® certification in all configurations.

Dimming Compatibility

See LED-DIM Specification Sheet.

Electrical

Lifetime: Expected lifetime 50,000 hours and backed by a 5-year warranty. (see Signify.com/warranties for details)

Labels

· cULus Listed Type I.C., frames are suitable for damp location and wet listed for use in covered ceilings.
· Trims are cULus suitable for damp location.
· Complies with Air Leakage.
· ENERGY STAR® certified.

L5R & L6S   LyteCaster LED 5"

Round & Square downlights and Round adjustables (1000lm & 1500lm)

Light Engine

Components

1. **Retaining clips:** 29 gauge Stainless Steel, allows tool-less installation of light engine to trim.
2. **Engine housing:** (0.05") thick powder coated aluminum provides integrated thermal management allowing for a low profile at less than 3-1/2" tall.
3. **LED board:** High efficiency mid-flux LED's.
4. **Mixing chamber:** 98% reflective, highly diffuse film.
5. **Diffusion lens:** (0.06") thick acrylic opal lens provides an even source of illumination.
6. **Retaining ring:** (0.04") thick powder coated aluminum, secures module components.
7. **Reflector:** 30% glass reinforced injection molded polycarbonate is durable and provides a 70° cutoff to the source.

Square   Round
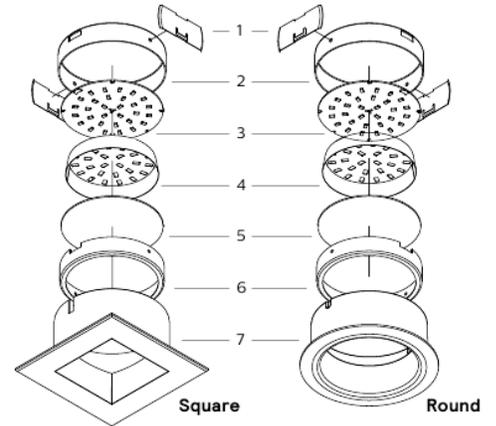
Electrical specifications

Frame-in kit / Remodeler	Lumens	Input volts	Input freq.	Input current	LED drive current	Input power	LED power	THD factor	Power factor
L5RAE1VB / L5R10RE1VB	1000	120V	50/60Hz	0.10A	260mA	12W	10W	<20%	>0.9
L5RAZ10UVB / L5R10RZ10UVB	1000	120V	50/60Hz	0.11A	260mA	13W	11W	<10%	>0.9
		277V	50/60Hz	0.06A	260mA	13W	11W	<15%	>0.9
L5R15AE1VB / L5R15RE1VB	1500	120V	50/60Hz	0.16A	375mA	15W	13W	<20%	>0.9
L5R15AZ10UVB / L5R15RZ10UVB	1500	120V	50/60Hz	0.26A	375mA	16W	13W	<10%	>0.95
		277V	50/60Hz	0.11A	375mA	16W	13W	<15%	>0.95

Trim & Finish options

| Open Downlight Clear Diffuse White Flange (DD) | Open Downlight White Finish White Flange (DW) | Baffle Downlight White Finish White Flange (BW) | Open Downlight Clear Diffuse White Flange (DD) | Open Downlight White Finish White Flange (DW) | Baffle Downlight White Finish White Flange (BW) | White Reflector White Flange (adjustable) |

L5R & L6S   LyteCaster LED 5"

Round & Square downlights and Round adjustables (1000lm & 1500lm)

90 CRI / 3000K, 650 lumens

Angle	Mean CP	Lumens
0	307	
5	303	29
10	297	
15	289	81
20	275	
25	258	119
30	241	
35	216	135
40	191	
45	162	125
50	132	
55	103	92
60	74	
65	49	50
70	33	
75	24	25
80	15	
85	6	7
90	0	

Housing:
L4RAE1VB, L4RAZ10UVB
L4R06RE1VB, L4R06RZ10UVB

Light Engine:
L4R06835VB

Trim:
L4RDW

Output lumens:	662.8 lm
Input Watts[1]:	6.9 W
Spacing Crit.:	1.2
Efficacy:	96.1 lm/W
CCT[2]:	3500 K
CRI:	≥ 80
Report no[3]:	659GFR

Single unit data

Height to Lighted Plane	Initial Center Beam Foot-Candles	Beam Dia. (ft)*
5'	12	6.0'
6'	9	7.2'
7'	6	8.4'
8'	5	9.6'
9'	4	10.8'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data – RCR 2

Spacing on center	Initial Center Beam Foot-Candles	Watts per Sq. Ft.
5'	27.6	0.31
6'	18.1	0.20
7'	13.0	0.14
8'	10.8	0.12
9'	8.6	0.10

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method – Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	110	106	102	99	104	97	100	94	96	91	87
2	101	94	88	83	92	82	89	80	86	78	75
3	93	84	77	71	82	70	80	69	77	68	65
4	86	75	67	61	74	61	72	60	69	59	56
5	80	68	60	54	67	53	65	53	63	52	50
6	74	62	53	47	61	47	59	47	57	46	44
7	69	56	48	42	55	42	54	42	53	42	39
8	64	52	44	38	51	38	50	38	48	38	36
9	60	48	40	35	47	34	46	34	45	34	32
10	57	44	37	32	44	31	43	31	42	31	29

Room Cavity Ratio

Zonal lumens & percentages

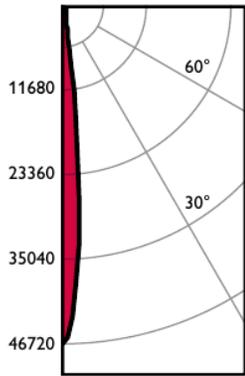| Zone	Lumens	%Luminaire
0-30	229	34.5%
0-40	364	54.9%
0-60	581	87.6%
0-90	663	100.0%

CRI and CCT adjustment factors

90CRI 2700K: = 0.71
80CRI 2700K: = 0.89
80CRI 3000K: = 0.97
80CRI 3500K: = 1.00

---

1. Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
2. Wattage controlled to within +/- 5%.
Note: Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

L5R & L6S   LyteCaster LED 5"
Round & Square downlights and Round adjustables (1000lm & 1500lm)

90 CRI / 3000K, 650 lumens

Angle	Mean CP	Lumens
0	307	
5	303	29
10	297	
15	289	81
20	275	
25	258	119
30	241	
35	216	135
40	191	
45	162	125
50	132	
55	103	92
60	74	
65	49	50
70	33	
75	24	25
80	15	
85	6	7
90	0	

Housing:
L4RAE1VB, L4RAZ10UVB
L4R06RE1VB, L4R06RZ10UVB

Light Engine:
L4R06835VB

Trim:
L4RDW

Output lumens:	662.8 lm
Input Watts[1]:	6.9 W
Spacing Crit.:	1.2
Efficacy:	96.1 lm/W
CCT[2]:	3500 K
CRI:	≥80
Report no[3]:	659GFR

Single unit data

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7'	13.0	0.14
8'	10.8	0.12
9'	8.6	0.10

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method – Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	110	106	102	99	104	97	100	94	96	91	87
2	101	94	88	83	92	82	89	80	86	78	75
3	93	84	77	71	82	70	80	69	77	68	65
4	86	75	67	61	74	61	72	60	69	59	56
5	80	68	60	54	67	53	65	53	63	52	50
6	74	62	53	47	61	47	59	47	57	46	44
7	69	56	48	42	55	42	54	42	53	42	39
8	64	52	44	38	51	38	50	38	48	38	36
9	60	48	40	35	47	34	46	34	45	34	32
10	57	44	37	32	44	31	43	31	42	31	29

(Room Cavity Ratio)

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	229	34.5%
0-40	364	54.9%
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0-90	663	100.0%

CRI and CCT adjustment factors

90CRI 2700K: = 0.71
80CRI 2700K: = 0.89
80CRI 3000K: = 0.97
80CRI 3500K: = 1.00

---

1. Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
2. Wattage controlled to within +/- 5%.
Note: Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

ALX - Exit / Emergency Lighting

EXIT / EMERGENCY LIGHTING

Die Cast Aluminum Emergency Exit ligh...

Manufacturer: Signify/Chloride
Style/Series: SCN1R

Sales Rep

Primary

Ryan Smillie
Email: ryan.smillie@signify.com
Office Phone: 408-813-3032

Attributes

Die Cast Aluminum Emergency Exit light sign with Battery Backup

Type: Exit

DIMENSIONS

Width: 13.2"
Height: 9.2"
Depth: 1.7"

MISCELLANEOUS

Lead Time: In stock or 4 weeks
Warranty: 5 years

CUSTOM FIELDS

Fixture Input (Max. Watts): 1W
Lamp Kelvin: Red
Lamp Type: LED/RED
Mount: Wall/Ceiling Mounting
On Dimming System: No
Voltage: UNV 120-277

Exit/Emergency

SC Series

Cast aluminum exit sign

EXIT

Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Example: SCN1RWICT

SC

Series	Battery	Face Options	Letter Color	Stencil Face/Housing Color	Model Designator[1]	Options[2]
SC – Symmetry Series Die Cast LED Exit	**N** – Nickel Cadmium **A** – AC Only	**1** – Single **2** – Double **U** – Universal Two Faces, Backplate and Canopy	**R** – Red **G** – Green	**W** – White Stencil Face, White Housing **B** – Black Stencil Face, Black Housing **WA** – Brushed Aluminum Face, White Housing **BA** – Brushed Aluminum Face, Black Housing **N** – Brushed Aluminum Face, Natural Aluminum Housing	**IC** – Intelli-Charge Diagnostics **ICT** – Self-Testing Diagnostics (non-audible, self-powered models only) **ICTA** – Audible Self-Testing Diagnostics (self-powered models only)	**2CKT1** – 120/120 Two Circuit VAC (AC-only models) **2CKT2** – 277/277 Two Circuit VAC (AC-only models) **BF** – Buzzer/Flasher (emergency units only) **BZ** – Buzzer (emergency units only) **DC** – 12-48 VDC Input (AC only models) **DL** – Damp Location Listing 0°C to 40°C **EX** – Special Input Transformer (specify voltage & frequency) **FA** – Fire Alarm Activated Flasher **FL** – Emergency Mode Flasher (emergency units only) **SW** – Special Wording/Graphics[3] **TP** – Tamperproof Hardware and Bit **VRS** – Vandal Resistant Lens with Tamperproof Hardware & Bit

Accessories[4] (Order Separately)

CPKIT12W – Pendant Kit, 12" White, Includes Exit Adapter Plate
CPKIT12B – Pendant Kit, 12" Black, Includes Exit Adapter Plate
ICIR – Intelli-Charge Infra-Red Remote
T15TPTOOL – Tamperproof Screwdriver
PCS1 – Polycarbonate Vandal Shield
WG4 – Wire Guard, Surface Wall Mount
WG10 – Wire Guard, End Mount

Footnotes

1. For self-testing models refer to ICT and ICTA options.
2. Some option combinations may impact UL listing. Consult factory for specifics.
3. Requires 'open-face' design.
4. Consult Signify to confirm whether specific accessories are BAA-compliant.

codes and standards
- UL listed to standard 924
- UL damp location listing optional
- IBC, BOCA, and OSHA illumination standard
- NFPA 70 (National Electric Code)
- NFPA 101 (Life Safety Code)
- NEMA Premium certified
- Certified to the California Energy Commission in accordance with California law

construction
- Two piece die cast aluminum construction with NFPA compliant field selectable chevrons.
- Housing and stencil face castings are available with durable epoxy based powder coat paint or brushed aluminum finishes.
- A positive latching exit stencil face provides secure closure yet is easily accessible for installation, maintenance, and inspection.

installation
- The SC Series is available in single, double, and universal configurations.
- A mounting canopy is supplied to accommodate surface ceiling and end mounting.
- A universal knockout pattern is provided on the backplate for surface wall mounting.

electronics
- 120/277 VAC dual voltage input with surge protection is standard on all models.
- Self powered models feature the Intelli-Charge circuit where the charging system is microprocessor driven with software embedded diagnostic routine and temperature compensation.

- Self powered models include brownout detection, AC lockout, low voltage disconnect, AC Power indicator, charge status indicator, audible user-interface controls, visual LED system fault indicator, and tactile push to test switch.
- Additional equipment safety features include reverse battery polarity detection and protection, and reverse utility power detection and protection.
- All self-powered models include an on-board IR receiver for use with the optional hand-held remote (ICIR).
- Self-testing electronics (optional)
The diagnostic/charging platform with optional self-testing mode automatically runs a one minute self-test every 30 days and a 30 minute test on the sixth and twelfth month in accordance with NFPA 101. A one minute or 90 minute test may be initiated via the push to test switch on the unit or by activating the appropriate test command on the optional IR test device.
- Operating temperature range
AC only models: -40°F (-40°C) to 104°F (40°C).
Self-powered models - standard location: 65°F (19°C) to 85°F (30°C).
Self powered models - damp location: 32°F (0°C) to 104°F (40°C).
- Power consumption
AC only red: 0.032 A (120VAC), 0.015 A (277VAC), PF = 0.94.
AC only green: 0.035 A (120 VAC), 0.016 A (277VAC), PF = 0.92.
Self powered red: 0.039 A (120 VAC), 0.018 A (277VAC), PF = 0.94.
Self powered green: 0.040 A (120VAC), 0.018 A (277VAC), PF = 0.94.

UL NEMA Premium E

SC   Cast aluminum LED exit sign

lamps

- Illumination of the stencil face is accomplished with long lasting, high output Light Emitting Diodes (LEDs).
- Hot spots and striations are eliminated by the internal "light chamber" allowing for even illumination in normal and emergency situations.
- Average legend illumination levels exceed 25fl (79 cd/m²) during normal and emergency operation.

battery

- Maintenance free sealed nickel cadmium battery
- Provides a minimum of 90 minutes of emergency power.

warranty

- Five full year warranty on electronics and unit.

options

- **2CKT1** – Available on AC only configured models to accommodate inputs from a normally on circuit and an AC emergency circuit from a generator or emergency inverter circuit limited to 120 VAC circuits.
- **2CKT2** – Available on AC only configured models to accommodate inputs from a normally on circuit and an AC emergency circuit from a generator or emergency inverter circuit limited to 277 VAC circuits.
- **BF** – This option enables the exit sign to buzz and flash together when the sign is operating under battery power. The buzzer and flashing rate is an approximate 50% duty cycle.
- **BZ** – This option enables the exit sign to buzz when the sign is operating under battery power. The buzzer rate is an approximate 50% duty cycle.
- **DC** – The DC option is reserved for AC only configured models and accommodates wiring to a remote emergency battery unit. The DC input is not polarity sensitive and accepts 12 to 48 VDC from a remote source.
- **DL** – Damp location listed products include various levels of corrosion protection on printed circuit board assemblies and other metallic parts. Environmental testing throughout a range of ambient temperature and 88% relative humidity.
- **EX** – The special input transformer option allows for input voltage and frequencies beyond the standard 120/277 VAC, 60 Hz input.

- **FA** – This option provides a two-wire harness for the electrical connection to the fire control panel. Should the fire panel activate an alarm, the exit sign will flash at a rate of approximately 50% duty cycle.
- **FL** – This option causes the exit sign to flash when the sign is operating under battery power. The flashing rate is approximately a 50% duty cycle.
- **TP** – The tamper proof option provides torx T15 hardware with center pin reject and the bit required to secure and access the equipment for future servicing.
- **ICT** – The self-testing option enables a periodic self-test of the equipment where a test routine is established to perform a one-minute test every thirty days with a 30-minute test performed on the sixth and twelfth month in accordance with NFPA 101. Equipment readiness faults are indicated with a visual LED display.
- **ICTA** – The audible self-testing option enables a periodic self-test of the equipment where a test routine is established to perform a one-minute test every thirty days with a 30-minute test performed on the sixth and twelfth month in accordance with NFPA 101. Equipment readiness faults are indicated with a visual LED display and an audible alarm.
- **BAC** – This option meets the requirements of the Buy American Act of 1933 (BAA).

dimensions
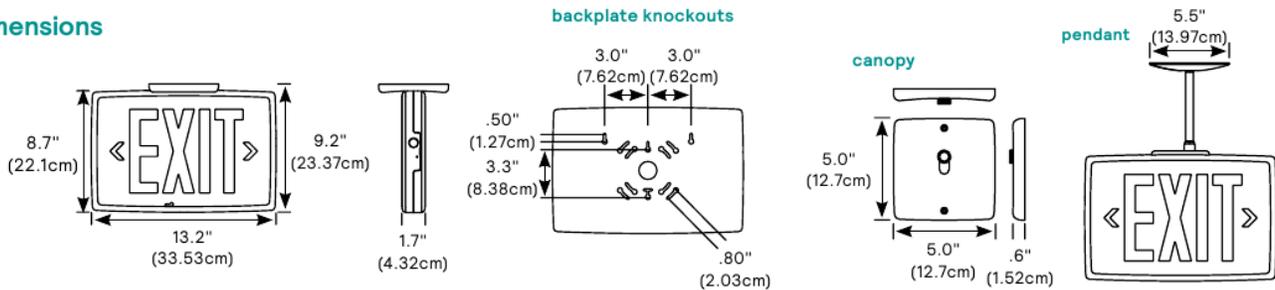
Buy American Act of 1933 (BAA):

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA. This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit www.signify.com/baa to view a current list of BAA-compliant products to confirm this product's current compliance.

Signify North America Corporation
200 Franklin Square Drive,
Somerset, NJ 08873
Telephone 855-486-2216

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008

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www.chloride-lighting.com

DFR - Doors and Frames

DOORS AND FRAMES

Pre-finished interior door frames, sq...

Manufacturer: GenFrame™ Series | Gensteel Doors
Style/Series: GenFrame™ Series

Sales Rep

Primary

Nick Batrouney
Email: nickb@discoverParagon.com
Office Phone: 770.795.9564 x 310

Attributes

Pre-finished interior door frames, square profile.

Item Type: Interior door frames

MATERIAL / FINISH

Color: According to the brand finish scheme.
Finish: Factory primed and finished.

PERFORMANCE

Accessibility Compliance : ADA and ANSI A117.1
Accessories: Frame anchors
Acoustical Performance: STC 38 minimum
Best Practices: Recycled content
Compressive Strength: NA
Fire/Smoke Rating: NFPA 80 "Standard for Fire Doors, Fire Windows." Actual rating to be determined by the Architect based on location and code requirements.
Quality Standards: ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Structural Performance: ANSI/SDI Level 2, Performance Level B (Heavy-Duty)

MISCELLANEOUS

Warranty: Life of building

#### CUSTOM FIELDS

Hardware: Prepared for ANSI strikes and pre-drilled for door silencers/ gasketing as applicable.
Fire Rating: NFPA 80 "Standard for Fire Doors, Fire Windows." Actual rating to be determined by the Architect based on location and code requirements.
Louver: Manufacturer's standard fire-rated automatic louvers. Refer to Mechanical Drawings for locations.

Notes

Special Instructions
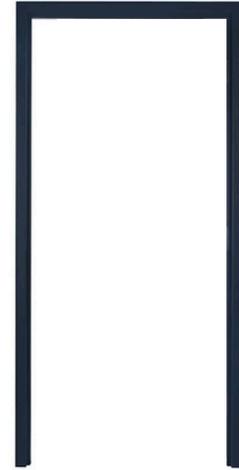
Clearances: 1/8" at jambs and heads; 3/4" at bottom; 1/4" at meeting edges of pairs of doors.

Interior Guestroom Door Frames: Continuously welded corners; or Hollow Metal Drywall "Knock-Down" Type door frames; or Prefinished Frames (Timely or Rediframe).

DFR-002

gensteeldoors

GENFRAME™ SERIES

Tough to the core™

GenFrame™ DW/MA-12
GenFrame™ DW/MA-14
GenFrame™ DW/MA-16
GenFrame™ DW/MA-18
GenFrame™ DW/MA-22

Gensteel offers a full range of steel frames in standard or custom sizes and profiles. Steel frames are available for dry wall or masonry applications in 12, 14, 16, and 18 gauge for 1¾ in. (45 mm) doors and in 22 gauge for 1⅜ in. (35 mm) doors. All standard frames are manufactured from galvannealed steel and are reinforced to receive specified architectural hardware in accordance to ANSI A115 standards. Frames are also available in stainless steel, lead-lined (x-ray) and G90 galvanized steel.
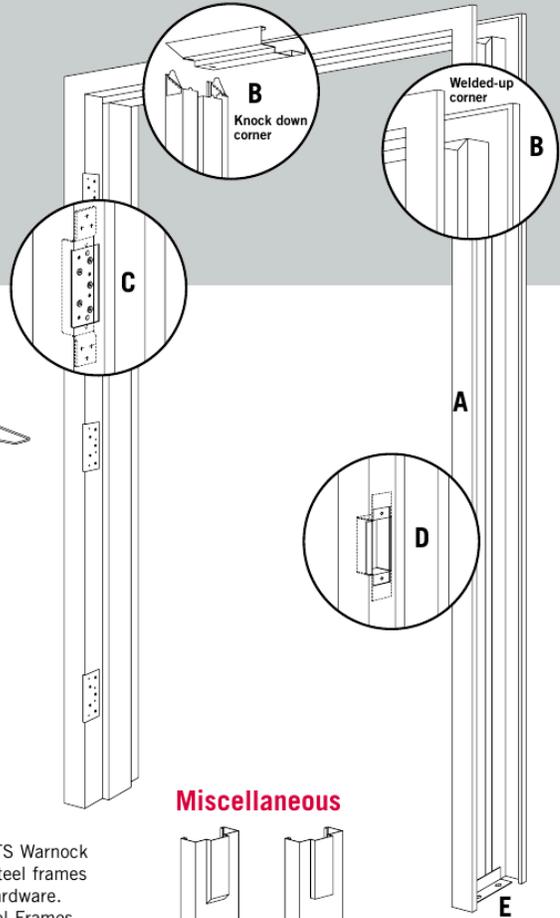
Gensteel also offers a full line of frames with thermal break for cold climate exterior applications.

General Specifications
- Standard frames are available as welded-up or knock down (KD).
- Hinge jambs are prepared and reinforced to receive 3 standard weight 4½" x 4½" (114 mm x 114 mm) butt hinges. Hinge reinforcements can easily be converted to accommodate heavy weight hinges.
- Strike jambs are prepared and reinforced to receive one standard 4⅞" (124 mm) strike in accordance to ANSI A115.1.
- Hinge and strike jambs are supplied with appropriate wall anchors.
- On welded-up frames, all welded joints are ground smooth and touched-up with primer paint to provide a seamless look.

Product meets ANSI 250.8 requirements

Frame Construction

A 12, 14, 16, 18 or 22 gauge galvannealed steel.

B Knock down or welded-up corners.

C 10 gauge high frequency dual purpose hinge reinforcement with return bend for added strength. Can easily be converted to accommodate heavy weight hinges.

D 18 gauge ASA strike reinforcement with closed back.

E 18 gauge floor anchor.

– High precision QUICKFit™ certified assembly.

B Knock down corner

B Welded-up corner

C

A

D

Available Wall Anchors

Pressure anchor "Z" anchor Strap anchor Adjustable anchor Existing masonry anchor Masonry strap anchor Masonry wire anchor
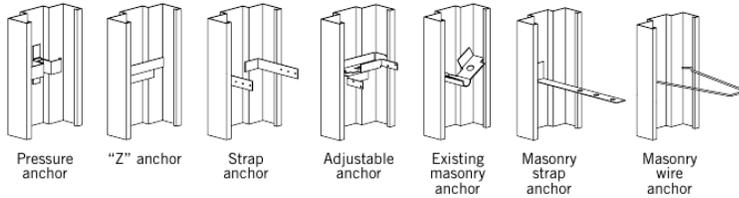
| Recommended Uses	Light Duty	Standard Duty	Medium Duty	Heavy Duty	Extra Heavy Duty
GenFrame™ DW/MA-12					X
GenFrame™ DW/MA-14				X	X
GenFrame™ DW/MA-16			X	X	
GenFrame™ DW/MA-18		X	X		
GenFrame™ DW/MA-22	X				

Fire Labels

Gensteel fire labeled steel frames are approved by both Intertek Testing Services (ITS Warnock Hersey) and Underwriters Laboratories (UL) Fire Labeling Programs*. Fire labeled steel frames must be installed with an equivalent fire labeled door with approved fire listed hardware. For fire labeling restrictions and limitations refer to the Fire Labeling Guide for Steel Frames.

* 22 gauge frames cannot be fire rated

Miscellaneous

45 degree hospital stop   90 degree hospital stop

E
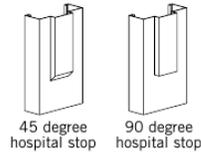
Fire Labeling Guide for Steel Frames

Type	Min. Gauge	Min. Throat Opening	Max Frame Rebate Sizes		Available Rating	Notes
			Single	Double		
Basic frames	16	3½" double rabbet 2½" single rabbet	4'0" x 10'0"	8'0" x 10'0"	3 h 1½ h 45 min	For drywall or masonry openings. Available knock down or welded-up
	18	4⅛"	3'0" x 7'0"	6'0" x 7'0"		
Frames with center mullion	16	3½" double rabbet 2½" single rabbet	—	4'0" x 8'0"	3 h 1½ h 45 min	For drywall or masonry openings. Center mullion may be fixed or removable.
Double egress frames	16	3½"	—	8'0" x 8'0"	3 h, 1½ h, 45 min	For drywall or masonry openings.
Multi-opening frames	16	2½"	—	12'0" x 8'0" with no individual opening to exceed 8'0" x 8'0"	1½ h 45 min	For masonry openings. Mullions may be fixed or removable.
Transom frames with or without transom bar	16	3"	4'0" x 11'2" transom panel height ≤ 4'2", door opening height ≤ 9'0"	8'0" x 11'0" transom panel height ≤ 4'0", door opening height ≤ 9'0"	1½ h 45 min	For drywall or masonry openings
Glazed or paneled screens	16	3"	13'6" x 12'0" overall for masonry opening 11'4" x 10'0" overall for drywall opening maximum door opening size 8'0" x 8'0"		45 min	Glazed opening area ≤ 1296 in.² per glazed opening. Glazing width & height ≤ 4'6".
	16	4¼"	10'2" x 10'1" overall for drywall or masonry openings maximum door opening size 8'0" x 8'0"		1½ h 45 min	Transom panel size ≤ 3'5" x 2'2". Side panel area ≤ 1296 in.² per side panel with width ≤ 2'6" & height ≤ 4'6".
Window frames	16	3"	13'6" x 12'0" overall for masonry opening 11'4" x 10'0" overall for drywall opening		45 min	Glazed opening area ≤ 1296 in.² per glazed opening. Glazing width & height ≤ 4'6".

As a result of Gensteel's ongoing quest for improvement, technical specifications are subject to change without notice.

DOORS AND FRAMES

Standard double rabbet hollow metal f...

Manufacturer: Steelcraft / Allegion
Style/Series: F Series, MU Series

Sales Rep

Primary

Nick Batrouney
Email: nickb@discoverParagon.com
Office Phone: 770.795.9564 x 310

Secondary

Customer Service
Email: N/A2

Attributes

Standard double rabbet hollow metal frame with welded corners

Type: Exterior/Interior Hollow Metal Door Frames

DIMENSIONS

Dimension Explanation: Refer to Design Guideline Drawings Door Schedule

MATERIAL/FINISH

Material Composition: 16-gauge (0.053-inch) thick steel sheet for interior and exterior applications; Exterior frames shall be 0.30 ounces per square foot per side, hot-dipped galvanized or electrolytic zinc-coated steel with a stretcher level degree of flatness
Color: Refer to Design Guideline Drawings
Finish: Manufacturer Standard Factory-primed, field-painted (See Project-specific Mark # for paint color)

PERFORMANCE

Accessibility Compliance : ADA and ANSI A117.1 current version
Acoustical Performance: Refer to Brand Design Guideline Standards
Best Practices: Recycled content
Fire/Smoke Rating: ASTM E152; NFPA 80 "Standard for Fire Doors, Fire Windows."
Quality Standards: ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Structural Performance: ANSI/SDI Level 2, Performance Level B (Heavy-Duty)

MISCELLANEOUS

Lead Time: 4 Weeks
Warranty: 1 Year from Purchase Date

CUSTOM FIELDS

Frame Type: Standard Double Rabbet Hollow Metal Frame with Welded Corners
Finish: Primed
Fire Rating: Actual rating to be determined by the Architect based on location and code requirements.
Quality Standards: NA
Hardware: Refer to Design Guideline Drawings Door Schedule and hardware specifications. Prepared for ANSI strikes and pre-drilled for door silencers/ gasketing as applicable.

Notes

Product Data Web Link: https://tinyurl.com/efz45xtd
Fastening: Lock in stud anchors to secure frame to perimeter construction
Reinforcement: Concealed metal reinforcements for hardware as required and security anchor system on strike jamb
All Exterior Door Frames, Public Space, Back-of-House, and Guest Room Entry Door Frames shall have continuously welded corners.

Special Instructions

Clearances: 1/8" at jambs and heads; 3/4" at bottom; 1/4" at meeting edges of pairs of doors.

DH - Door Hardware / Hinges

DOOR HARDWARE / HINGES

Electronic mortise lockset with 1" (2...

Manufacturer: SAFLOK
Style/Series: Saflok Quantum RFID; US15

Sales Rep

Primary

Nick Batrouney
Email: nickb@discoverParagon.com
Office Phone: 770.795.9564 x 310

Attributes

Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)

Item Type: Entry Lock with RFID Reader

MATERIAL / FINISH

Color: Satin Chrome US26D
Finish: Satin Chrome US26D
Material Composition: Plated carbon steel

PERFORMANCE

Accessibility Compliance : At a minimum, comply with accessibility regulations and standards of the country where the project is located. If governing accessibility regulations and standards do not exist, comply with the criteria as outlined by the U.S. ADA Standards for persons with disabilities. (www.ada.gov)
Grade: 1
Quality Standards: ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices."

MISCELLANEOUS

Warranty: 2 Years

RFID ELECTRONIC LOCK

Handle : Troy
Handle Finish : Satin Chrome US26D
RFID Finish: Black

Notes

Case hardened full 1 inch (ANSI) Throw. Deadbolt with panic release function - deadbolt and latch are automatically retracted by inside handle for easy egress in case of emergency

DR - Doors

DOORS

Exit Door, Fitness Center

Manufacturer: Kawneer
Style/Series: N/A

Sales Rep

Primary

Ian Cable
Email: No.Email.38
Office Phone: (63) 552-3541

Attributes

Exit Door, Fitness Center

Type: N/A

MATERIAL/FINISH

Material Composition: Aluminum/Glass
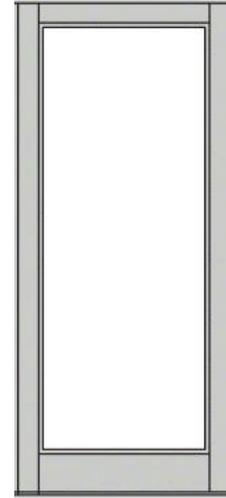Finish: Black

MISCELLANEOUS

Lead Time: To be verified
Warranty: To be verified

CUSTOM FIELDS

Fire Rating: Refer to Door Schedule
Glazing: Refer to Door Schedule
Hardware: Refer to Door Schedule
Acoustical: TBD
Door Type: 350 series entrance door. Medium stile single-acting
door with single lite.
Quality Standards: TBD
Core: N/A
Louver: N/A

EL - Receptacles and Switches

RECEPTACLES AND SWITCHES

Rocker style light switches

Manufacturer: Leviton
Style/Series: 'Decora Devices' Rocker Switch: 5601 Series

Sales Rep

Primary

Rick Gavenda
Email: rgavenda@leviton.com
Office Phone: (609) 409-9634

Attributes

Rocker style light switches

Type: Rocker Switch

MATERIAL/FINISH

Material Composition: Thermoplastic
Color: White, with white wall plate

MISCELLANEOUS

Lead Time: Stocked product--contact Leviton customer service to
verify quantities needed
Warranty: 2-Year Limited

Notes

Rocker style light switch and receptacle insert color to match
wallplate/faceplate color

EQD - Clothes Washers

CLOTHES WASHERS

Commercial Front Control Front Load W...

Manufacturer: Speed Queen
Style/Series: SFNNCASP115TW01

Sales Rep

Primary

Customer Service
Email: No.Email.5
Office Phone: (8) 345-5649

Attributes

Commercial Front Control Front Load Washer

Type: Guest Washer (ADA)

DIMENSIONS

Dimension Explanation: Refer to Cutsheet

Notes

- ADA compliant.
- 14 lb. load capacity.
- Sensor water level.
- Dial-a-fabric control.
- Coin-control kit. (VFY.)
- Energy Star rated.

Special Instructions

Electrical:
Connection: SR
Volts: 120
Phase: 1
Amps: 15.0
Rough-In Height: +42"
Rough-In Comments: GFI
Plumbing:
HW: 1/2", +36"
CW: 1/2", +36"
Waste: 1W, 1" hose, +36", to 2"
Rough-In Comments: Standard utility set

QUANTUM® GOLD COIN DROP INSTALLED, PREP FOR COIN, PREP FOR CARD

COMMERCIAL FRONT CONTROL FRONT LOAD WASHER

Built for Reliable Performance

Engineered and built like no other, the Speed Queen front load washer is designed to be everything people thought a washer couldn't be, beginning with its revolutionary suspension and sensing technology. This groundbreaking innovation manages and redistributes out-of-balance loads to deliver uninterrupted cycles, virtually eliminate vibration and operate so quietly neighboring residents won't even know it's running. It also touts an incredible 440 G-Force extraction speed to maximize moisture removal, reduce dry times and minimize utility costs. And as if that's not game-changing enough, this smooth-running, laundry-optimizing machine delivers increased water efficiency. It's everything you never knew it could be. Front controlled products have met every design standard to be 100% ADA compliant.

- Revolutionary balancing technology
- Industry leading 1200 RPM spin speed exerts 440 G-force extraction
- Integrated meter case
- Extra-wide 15.5˝ door opening and 180º door swing
- Rugged suspension system
- Easy-to-read digital display
- Large capacity meter case standard
- Multi-level vend pricing
- Individual cycle modifier keys
- Durable stainless steel tub standard
- Four-compartment soap dispenser
- Wash Alert™ capability

ENERGY STAR® Certified Washer

The cutting edge Quantum control system from Speed Queen gives you the freedom to manage laundry your way with the power to achieve unmatched levels of revenue. Quantum Gold provides users with additional cycle choices while offering new options to help lower operating costs and incorporates tools and options to increase revenue.

Speed Queen®

COMMERCIAL FRONT CONTROL FRONT LOAD WASHER

MODEL - see below for all models and activation available	
CONTROL OPTION	Quantum Gold
COLOR	White
CAPACITY - lb (kg)	21.5 (9.5)
OVERALL WIDTH - in (mm)	26.875 (683)
OVERALL DEPTH - in (mm)	27.73 (704)
OVERALL HEIGHT - in (mm)	44.34 (1126)
CYLINDER VOLUME - cu. ft. (liters)	3.42 (96.8)
SPIN SPEED G-FORCE (RPM)	440 (1200)
MOTOR SIZE - HP (kw)	0.9 (0.67)
WATER CONSUMPTION PER CYCLE - g (liter)	13.68 (51.8)
IWF (WATER FACTOR) - gal/ft³ (liters/liter/cycle)	4.0 (0.53)
MEF$_{12}$ (Modified Energy Factor) ft³/kWh/cycle (Liters/kWh/cycle)	2.20 (62.3)
AVAILABLE WATER TEMPERATURES	Hot, Warm, Cold
AVAILABLE CYCLES	Normal, Perm Press, Delicates/Bulky
ELECTRICAL REQUIREMENTS (v/Hz/Ph-Amp)	120/60/1 - 15 Amp
WATER PRESSURE - p.s.i. (bar)	20-120 (1.4/8.3)
CYLINDER FINISH	Stainless Steel
NET WEIGHT - lb (kg)	260 (118)
SHIPPING WEIGHT - lb (kg)	270 (122.5)
SHIPPING DIMENSIONS APPROX. - in (mm)	Width 34 (864)
	Depth 30 (762)
	Height 44.5 (1130)
AGENCY APPROVALS	cULus
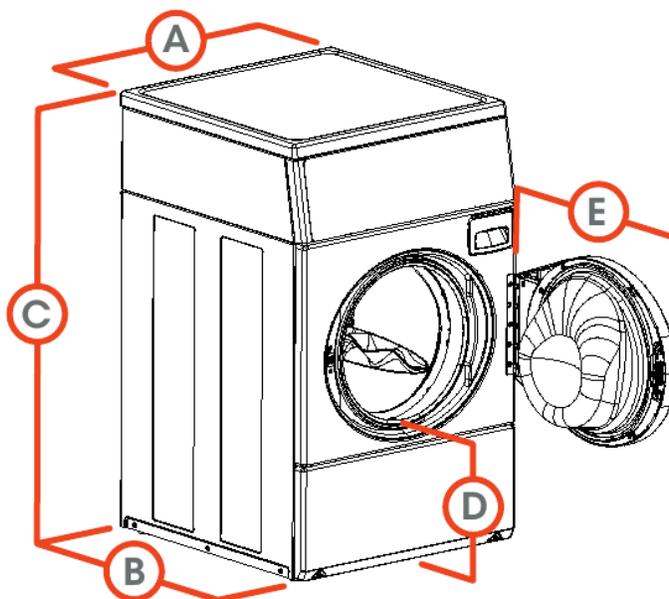
A.	OVERALL WIDTH - in (mm)	26.875 (683)
B.	OVERALL DEPTH - in (mm)	27.73 (704)
C.	OVERALL HEIGHT - in (mm)	44.34 (1126)
D.	FLOOR TO DOOR OPENING -in (mm)	14.6 (371)*
E.	DOOR SWING - in (mm)	24 (610)

* For ADA compliance turn legs out from base 0.5 inches

MODELS	DRAIN	ACTIVATION
SFNNCASP115TW01	Pump	Coin Drop Installed
SFNNCAJP115TW01+		
SFNNCASG115TW01	Gravity	
SFNNXASP115TW01	Pump	Prep for Coin
SFNNXASG115TW01	Gravity	
SFNWXASP115TW01*	Pump	
SFNNYASP115TW01	Pump	Prep for Card
SFNNYAJP115TW01+	Pump	
SFNNYASG115TW01	Gravity	
SFNWYASP115TW01*	Pump	

+ Supply Injection
* Wireless Network Board Factory Installed

For the most accurate information, the installation guide should be used for all design and construction purposes. Due to continuous product improvements, design and specifications subject to change without notice. The quality management system of Alliance Laundry Systems' Ripon facility has been registered to ISO 9001:2000.

Speed Queen

by Alliance Laundry Systems

CLOTHES WASHERS

Stacked Guest Dryer - Electric

Manufacturer: Speed Queen
Style/Series: SSEBCAGS171TW01

Sales Rep

Primary

Customer Service
Email: No.Email.5
Office Phone: (8) 345-5649

Attributes

Stacked Guest Dryer - Electric

Type: Guest Dryer

DIMENSIONS

Width: 26.875"
Height: 78.17"
Depth: 28"

MATERIAL/FINISH

Color: White

PERFORMANCE

Accessibility Compliance : ADA Compliant (Bottom Dryer Only)

Notes

Two (2) dryers banded together to form one unit
Verify cord and plug requirements with manufacturer and local jurisdiction

Stacked Guest Dryer - Electric

MANUFACTURER	Speed Queen
MODEL #	SSEBCAGS171TW01
FEATURES	- (2) dryers banded together to form one unit. - Verify cord and plug requirements with manufacturer and local jurisdiction.

AREA	Public
LOCATION	Guest Laundry
FINISH	White

ELECTRICAL

CONNECTION	(2) SR	**VOLTS**	120/240	**PHASE**	1	**AMPS**	30.0
KW		**HP**		**ROUGH-IN HEIGHT**	+36", +72"		

ROUGH-IN COMMENTS

PLUMBING

HW	**CW**	**WASTE**

ROUGH-IN COMMENTS

GAS

GAS SIZE	**MBH**	**HEIGHT**
COMMENTS		

VENTILATION

CONNECTION TYPE	(2) Dryer	**CFM** 220 ea.	**STAT. PRESS.**
DUCT SIZE	4" diameter		**VENT HEIGHT** +6", +45"
COMMENTS			

Speed Queen® Multi-Housing

Micro Display
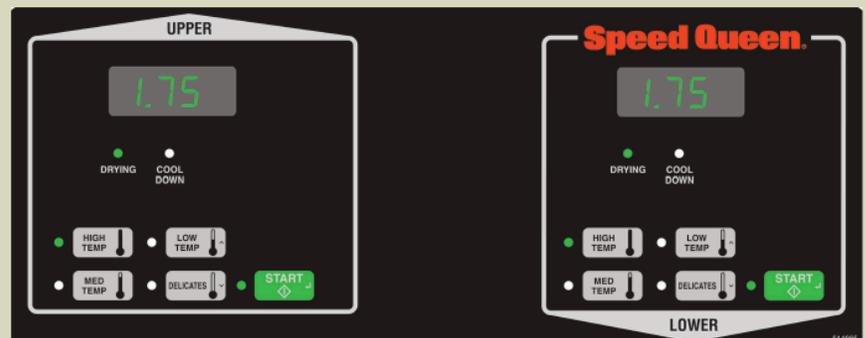# Commercial Stack Dryer
Front Control

BUILT FOR RELIABLE PERFORMANCE

- Industry's largest door opening 2.06 sq. ft. (1914 cm²)
- Quiet, efficient blower system
- Door is reversible for installation flexibility
- End-of-cycle signal
- ADA compliant (bottom dryer only)
- High efficiency exhaust blower with superior airflow 220 cfm (105 liters/sec)
- 100% serviceable from the front
- Space-saving narrow cabinet 26-7/8" (683 mm)
- Upfront lint filter easy to clean and secured
- Durable galvanized steel cylinder

MICRO DISPLAY CONTROL

- Easy-to-read digital display
- Touch pad selection combines temperature and cycle
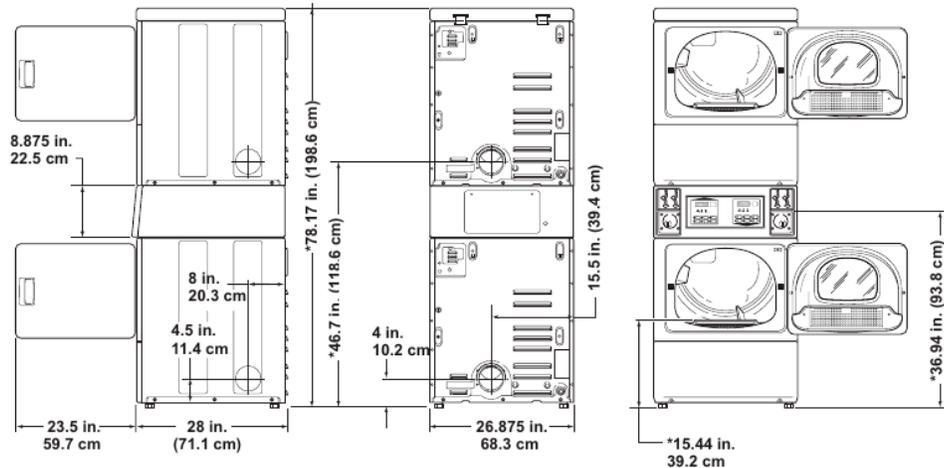- Manually program and audit
- Card and coin transactions

UPPER

1.75

DRYING   COOL DOWN

HIGH TEMP   LOW TEMP
MED TEMP   DELICATES   START

Speed Queen®

1.75

DRYING   COOL DOWN

HIGH TEMP   LOW TEMP
MED TEMP   DELICATES   START

LOWER

514665

MICRO DISPLAY COMMERCIAL STACK DRYER SPECIFICATIONS

MODELS and ACTIVATION {NOTE: Coin Box Sold Separately}		SSEBCAGS151TW01 SSEBCAGS171TW01 SSGBCAGS111TW01 Coin "C"	SSEBYAGS151TW01 SSEBYAGS171TW01 SSGBYAGS111TW01 Prep Card "Y"	SSEBXAGS171TW01 SSGBXAGS111TW01 Prep Coin "X"
Appearance				
Color		White	White	White
Control Panel Selection		**Front**	**Front**	**Front**
Meter Case		**High Capacity**	**--**	**High Capacity**
Solid Door (no window)		**Yes**	**Yes**	**Yes**
Technical Info				
Cylinder Volume cu. ft. (liters)		7.0 (198) (ea)	7.0 (198) (ea)	7.0 (198) (ea)
Cycle Temperature - High, Low, Medium, Delicates				
Motor (Capacitor Start and Thermal Protected) - 1/3 HP				
Weight - lb (kg)	Elec	265 (120)	265 (120)	265 (120)
	Gas	275 (125)	275 (125)	275 (125)
Shipping Weight - lb (kg)	Elec	280 (127)	280 (127)	280 (127)
	Gas	290 (132)	290 (132)	290 (132)
Electrical Requirements (ea)	Elec	120/240/60/1-30 amp*	120/240/60/1-30 amp*	120/240/60/1-30 amp*
	Gas	120/60/1-15 amp	120/60/1-15 amp	120/60/1-15 amp
Overall Dimensions - WxDxH in (mm): 26 7/8 (683) x 29 (737) x 78 3/16 (1986)				
Type Of Gas (Gas Models Only) ** Factory-Equipped Natural/Mixed Gas				
Air Outlet Diameter - in (mm)		4 (102)	4 (102)	4 (102)
Exhaust Airflow cfm (liters/sec)		220 (105)	220 (105)	220 (105)
Heating Element (ea)	Elec	4750W, 208V 5350W, 240V	-- 5350W, 240V	-- 5350W, 240V
	Gas	25,000 Btu	25,000 Btu	25,000 Btu
Performance/Features				
Cycle Status Indicators		Yes	Yes	Yes
Touch Pad Control with Sound Annunciator		Yes	Yes	Yes
Agency Approval	Elec	c^{UL}us	c^{UL}us	c^{UL}us
	Gas	c^{CSA}us	c^{CSA}us	c^{CSA}us

* Electric dryers come equipped for 120/240/60/1 operation. They can be field converted to operate on 120/208/60/1 with optional 61928 conversion kit.

** Gas dryers can be field converted for operation on LP gas with optional 458P3 conversion kit.

For the most accurate information, the installation guide should be used for all design and construction purposes. Due to continuous product improvements, design and specifications subject to change without notice. The quality management system of Alliance Laundry Systems' Ripon facility has been registered to ISO9001:2008.

8.875 in. 22.5 cm
*78.17 in. (198.6 cm)
*46.7 in. (118.6 cm)
8 in. 20.3 cm
4.5 in. 11.4 cm
4 in. 10.2 cm
15.5 in. (39.4 cm)
*36.94 in. (93.8 cm)
23.5 in. 59.7 cm
28 in. (71.1 cm)
26.875 in. 68.3 cm
*15.44 in. 39.2 cm

DRY2536N

* With leveling legs turned into base.
NOTE: Exhaust openings are 10.2 cm (4 inch) metal ducting.

CLOTHES WASHERS

4 column net-workable electronic push...

Manufacturer: Vend-Rite
Style/Series: Vendmaster120NB, with "Soap Center" and "Soap, Bleach, Softeners, Laundry Bags" decal removed

Sales Rep

Primary

Customer Service
Email: No.Email.588
Office Phone: (708) 6529700

Attributes

4 column net-workable electronic push button vender

Type: Vending Machine - Laundry

DIMENSIONS

Width: 15.385"
Height: 45.125"
Depth: 11.5"

MATERIAL/FINISH

Color: White (finish to be plain white aside from small brand/ product labels as shown on image)

Notes

Wall-mounted

THE ALL NEW VENDMASTER   **B SERIES**

Quality Products Since 1953

Reliable optic sensors confirm coin acceptance, product availability and delivery.

Illuminated blue selection buttons inform customer the product is available.

Our cabinets are made of all steel-welded construction and powder-coated for a superior finish and durability for years of use. The upper door has a 3 point locking system for extra security.

UNIT TO BE PLAIN WHITE WITH "SOAP CENTER, SOAP, BLEACH, SOFTENERS & LAUNDRY BAGS" DECALS REMOVED.

VENDMASTER 120NB

- 4 column electronic push button electronic vender can be expanded to 8 or 12 columns

- Features the Imonex, quarter/dollar coin drop (the vender does not give change)

- MDB platform allows for multi-pricing and easy connectivity to any coin, dollar bill acceptor, or card reader systems

- Large lower door product display

- 116 vend box capacity, cash box holds over $200.00

- LCD display shows pricing, machine status, and messages

- High-security lock with three (3) point locking bar

- Pedestal base and wrap around security guard available

SOAP CENTER

SOAP BLEACH SOFTENRS LAUNDRY BAGS

75¢   75¢   75¢   75¢

DUAL PACK — all free clear · Snuggle Liquid · TWICE FRESH · SUN

$15^5/_{16}$" W x $45^1/_8$" H x $11^1/_2$" D
Weight: 105 lbs

V R Vend-Rite Mfg.

Vend-Rite, the first name in soap venders since 1953

800-777-1802
sales@vendrite.com
info@vendrite.com
www.vendrite.com

CLOTHES WASHERS

Two-column coin slide-operated vendin...

Manufacturer: Vend-Rite
Style/Series: VM294 with "Soap Bleach Softeners" decal removed

Sales Rep

Primary

Customer Service
Email: No.Email.588
Office Phone: (708) 6529700

Attributes

Two-column coin slide-operated vending machine

Type: Vending Machine - Laundry

DIMENSIONS

Width: 11.25"
Height: 37.75"
Depth: 9.5"

MATERIAL/FINISH

Color: White (finish to be plain white aside from small brand/
product labels as shown on image)

Notes

Wall-mounted

LA - Plastic Laminate

PLASTIC LAMINATE

Millwork Laminate

Manufacturer: Panolam Surface Systems
Style/Series: Storm Gray

Sales Rep

Primary

Alitia Cross
Email: No.Email.398
Office Phone: 276.698.6254

Attributes

Millwork Laminate

Item Type: Plastic Laminate
Description: Type 107 General Purpose (HGS) Laminate
Manufacturer: Panolam / Pionite
Model: HP565
Dimensions: 0.048" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color: Storm Gray
Finish: Textured/Suede (SD)
Material Composition: Melamine impregnated decorative surface papers combined with fire retardant phenolic treated kraft paper
Fire/Smoke Rating: ASTM E-84 Flame Spread 50, Smoke Density 45 Undbonded. Flame Spread 40, Smoke Density 100 Bonded.
Best Practices: 17% Post-consumer content, Green Guard Certified
Quality Standards: Architectural Woodwork Standards (AWS); ANSI A161.2 "Standards for Fabricated High Pressure Decorative Laminate Countertops." NEMA LD3 "High Pressure Decorative Laminates"
Accessories: Manufacturer's recommended adhesive
Warranty: 1 Year
Notes: Recommended substrates for laminates are particleboard, medium density fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.
SPECIAL INSTRUCTIONS: All substrates should be sanded smooth, and should be clean and free of oil or grease and uniform in thickness

ML - Millwork

MILLWORK

Laundry Shelving - Plastic Laminate ...

Manufacturer: N/A
Style/Series: Laundry Shelving

Attributes

Laundry Shelving - Plastic Laminate Clad Custom Millwork consisting of wall mounted shelving

Type: Public Space Millwork

DIMENSIONS

Dimension Explanation: Refer to Design Guideline Drawings

MATERIAL / FINISH

Material Composition: Grain direction - horizontal
Color: Colors to be selected by Architect; refer to Implementation Guide.
Finish: Finishes to be selected by Architect; refer to Implementation Guide.

PERFORMANCE

Accessibility Compliance : ANSI A117.1 current version, ADAAG
Acoustical Performance: N/A
Best Practices: Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Classification: Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. MDF: ANSI A208.2, Grade 130.
Quality Standards: Architectural Woodwork Standards (AWS)
Grade: Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.

MISCELLANEOUS

Lead Time: TBD
Notes / Special Instructions: Architect / General Contractor to coordinate millwork with equipment sizes and requirements, to include ALL equipment, glazing, accessories, lighting, power/data etc.
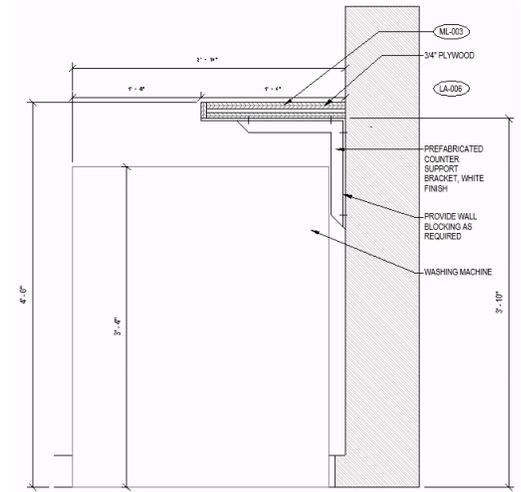
CUSTOM FIELDS

Pattern: Color to be selected by Architect; refer to Implementation Guide.
Design & Construction: All listed millwork must be manufactured in accordance with the information provided herein.
Lighting: Not Applicable
Fabric Wrapped Panels: Not Applicable

2 NESTED ITEMS

Code/Tag	Product Name	Quantity
LA-006-FM	8844 Aged Ash - Formica® Compact	0.0
MH-001-RK	Surface Mount Eh Support Bracket	0.0

Plastic Laminate: Finishes to be selected by Architect; refer to Implementation Guide.
Millwork Hardware: Refer to Specifications within Building Product Manual for hinges, drawer slides, shelf supports and magnetic catch. Pulls, grommets & locks to be selected by Architect; refer to Implementation Guide.

Notes

1. Public Space Casework: Interior face of exposed cabinet units shall be Black Thermoset Decorative Overlay (melamine).
2. Top and Bottom Rails; and Sub-toe Boards: Not less than 3/4-inch particleboard faced with Grade VGS plastic laminate to match door and drawer fronts. Machine ends for wood-dowel or mechanical dowel fasteners to receive top, bottom, and back. Base ends to extend to floor. Finish exposed ends to match doors and doors and drawer fronts.
3. Unexposed Ends: Not less than 3/4-inch tempered hardboard; finished with Thermoset Decorative Overlay (Melamine). Attach to front frame in same manner as exposed ends.
4. Back Panels: Not less than 1/4-inch tempered hardboard or MDF; finished with Thermoset Decorative Overlay (Melamine).
5. Doors 48 Inches or Less in Height: 3/4 inch thick, Particle Board cores. Front faces to be Grad

Manufacturer: Formica Group North America
Style/Series: 8844 Aged Ash - Formica® Compact

Sales Rep

Primary

Kate Eimer
Email: kate.eimer@formica.com

Attributes

Item Type: Plastic Laminate
Model: 8844
Description: Type 107 General Purpose (HGS) Laminate
DIMENSIONS
Size: 0.048" Plus Minus 0.005" Thickness, Standard Sheet Widths
36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
MATERIAL/FINISH
Color: Aged Ash
Finish: Woodbrush (WR)
PERFORMANCE
Best Practices: 17% Post-consumer content, Green Guard Certified
Quality Standards: Architectural Woodwork Standards (AWS); ANSI
A161.2 "Standards for Fabricated High Pressure Decorative
Laminate Countertops." NEMA LD3 "High Pressure Decorative
Laminates"
Accessories: Manufacturer's recommended adhesive
Warranty: 1 Year
NOTES
Notes: Recommended substrates for laminates are particleboard,
medium density fiberboard (MDF) or plywood with one A-face. High-
pressure laminate, plaster, concrete and gypsum board should not
be considered suitable substrates.
Special Instruction: All substrates should be sanded smooth, and
should be clean and free of oil or grease and uniform in thickness

Manufacturer: Rakks Shelving
Style/Series: Surface Mount Eh Support Bracket

Attributes

Model: EH Countertop Support Bracket with Rounded Ends
MATERIAL/FINISH
Material: Aluminum
Color: Off-White
Manufacturer Data Sheet: https://tinyurl.com/4keem87s
NOTES

ML - Assembly, Millwork

ASSEMBLY, MILLWORK

Manufacturer: VARIOUS MANUFACTURERS
Style/Series: Laundry Folding Table

Attributes

Type: Guest Laundry Millwork

DIMENSIONS

Dimension Explanation: Refer to Design Guideline Drawings

MATERIAL / FINISH

Color: Colors to be selected by Architect; refer to Implementation Guide.
Finish: Finishes to be selected by Architect; refer to Implementation Guide.
Material Composition: Grain direction - horizontal

PERFORMANCE

Accessibility Compliance : ANSI A117.1 current version, ADAAG
Best Practices: Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Fire/Smoke Rating: Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. MDF: ANSI A208.2, Grade 130.
Grade: Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.
Quality Standards: Architectural Woodwork Standards (AWS)

MISCELLANEOUS

Lead Time: TBD
Notes / Special Instructions: Architect / General Contractor to coordinate millwork with equipment sizes and requirements, to include ALL equipment, glazing, accessories, lighting, power/data etc.

CUSTOM FIELDS

Pattern: Color to be selected by Architect; refer to Implementation Guide.
Design & Construction: All listed millwork must be manufactured in accordance with the information provided herein.
Lighting: n/a
Fabric Wrapped Panels: n/a
Plastic Laminate: Finishes to be selected by Architect; refer to Implementation Guide.
Millwork Hardware: Refer to Specifications within Building Product Manual for hinges, drawer slides, shelf supports and magnetic
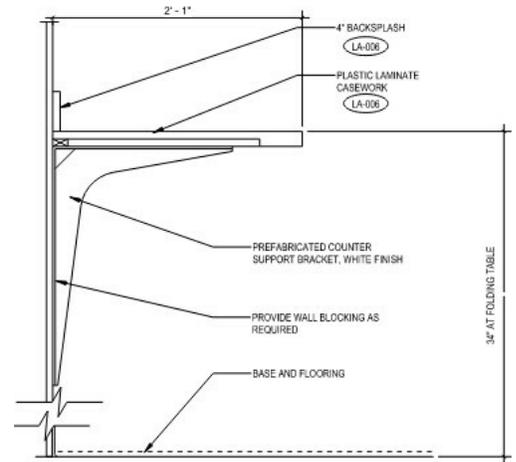
2 NESTED ITEMS

Code/Tag	Product Name	Quantity
LA-006-FM	8844 Aged Ash - Formica® Compact	0.0
MH-001-RK	Surface Mount Eh Support Bracket	0.0

Manufacturer: Formica Group North America
Style/Series: 8844 Aged Ash - Formica® Compact

Sales Rep

Primary

Kate Eimer
Email: kate.eimer@formica.com

Attributes

Item Type: Plastic Laminate
Model: 8844
Description: Type 107 General Purpose (HGS) Laminate
DIMENSIONS
Size: 0.048" Plus Minus 0.005" Thickness, Standard Sheet Widths
36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
MATERIAL/FINISH
Color: Aged Ash
Finish: Woodbrush (WR)
PERFORMANCE
Best Practices: 17% Post-consumer content, Green Guard Certified
Quality Standards: Architectural Woodwork Standards (AWS); ANSI
A161.2 "Standards for Fabricated High Pressure Decorative
Laminate Countertops." NEMA LD3 "High Pressure Decorative
Laminates"
Accessories: Manufacturer's recommended adhesive
Warranty: 1 Year
NOTES
Notes: Recommended substrates for laminates are particleboard,
medium density fiberboard (MDF) or plywood with one A-face. High-
pressure laminate, plaster, concrete and gypsum board should not
be considered suitable substrates.
Special Instruction: All substrates should be sanded smooth, and
should be clean and free of oil or grease and uniform in thickness

Manufacturer: Rakks Shelving
Style/Series: Surface Mount Eh Support Bracket

Attributes

Model: EH Countertop Support Bracket with Rounded Ends
MATERIAL/FINISH
Material: Aluminum
Color: Off-White
Manufacturer Data Sheet: https://tinyurl.com/4keem87s
NOTES

PTC - Ceiling Paints

CEILING PAINTS

INTERIOR CEILING PAINT

Manufacturer: Sherwin-Williams
Style/Series: SW 7757 High Reflective White (Flat)

Sales Rep

Primary

Matt Wessel
Email: matthew.m.wessel@sherwin.com
Office Phone: (216) 515-7925

Attributes

INTERIOR CEILING PAINT

Item Type: Interior Ceiling Paint
Model: ProMar 200 ZeroVOC Interior Latex (B30W12651)

MATERIAL/FINISH

Color: SW7757 High Reflective White
Finish: Flat

PERFORMANCE

Best Practices: Low-VOC, UL Greenguard Certified
Quality Standards: Interior paint: Comply with Green Seal GS-11;
MPI Architectural Painting Specification Manual; 40 CFR, Part 59,
Subpart D 2001, National Volatile Organic Compound Emission
Standards for Architectural Coatings

MISCELLANEOUS

Eco-Feature(s) *as per manufacturer: Formulated without lead,
mercury or chromates. 0 g/L VOC (US EPA)| GREENGUARD Gold
Certified| LEED v4 VOC & Emissions Compliant, Materials Ingredient
Declaration available.
Lead Time: Standard lead times are 3-5 days from receipt of
purchase order. Lead time should be confirmed by the
manufacturer.
Warranty: Limited Lifetime

NOTES

Manufacturer Data Sheet: https://tinyurl.com/y66pjxfe
Special Instructions: Primer, undercoat, block filler, finish coat(s) are
to be compatible and of the same manufacturer. All primers and
undercoats are to be tinted to 50% lighter than the selected and
approved finish coat color. All finish coats are to be tinted 25%
darker than the primer coat until approved finish coat color is
achieved. When the color schedule calls for the use of DEEP TONES
(interior and/or exterior), it is the responsibility of the painting
contractor to utilize the appropriate Deep Base Primers as
manufactured by the painting company for use on the substrate for

which they are intended. Required Wall Finish Levels: All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish. All walls to receive Paint (or light to med weight wall covering) are to have a level 4 Gypsum Board Finish. All walls to receive Gloss, enamel paint, or Murals to have a Level 5 Gypsum Board Finish.

ProMar® 200 Zero V.O.C.
Interior Latex Flat
B30-Series

SHERWIN WILLIAMS®

CHARACTERISTICS

ProMar® 200 Zero V.O.C. Interior Latex Flat is a durable, professional quality, interior vinyl acrylic finish for use on walls and ceilings of primed plaster, wallboard, wood, masonry, and primed metal.

Color: Most Colors
To optimize hide and color development, always use the recommended P-Shade primer.

Coverage: 350-400 sq. ft. per gallon
@ 4 mils wet
1.4 mils dry

Drying Time, @ 77° F, 50% RH:
Touch: 1 Hour
Recoat: 4 Hours
Drying and recoat times are temperature, humidity, and film thickness dependent.

Finish: 1.5-3.5 units @ 85°

Tinting with CCE only:

Base:	oz. per gallon:	Strength:
High Ref White	0-6	SherColor
Extra White	0-7	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor
Real Red	0-12	SherColor
Bright Yellow	0-12	SherColor
Dover White		**Do Not Tint**

Extra White B30W12651
(may vary by color)
V.O.C. (less exempt solvents):
Less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	34 ±2%
Weight Solids:	52 ±2%
Weight per Gallon:	11.45 lbs
Flash Point:	N.A.
Vehicle Type:	Vinyl Acrylic
Shelf Life:	36 months, unopened
WVP Perms (US):	70.83 grains/(hr ft2 in Hg)

Anti-microbial
This product contains agents which inhibit the growth of mold and mildew on the surface of this paint film.

COMPLIANCE
As of 06/29/2023, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	Yes
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F
No reduction needed.

Brush:
Use a nylon-polyester brush.

Roller:
Use a 3/8 to 3/4 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on Sherwin-williams.com

Spray - Airless:
Pressure 2000 p.s.i.
Tip .017-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Priming and application of two coats at the recommended film thickness can help where hiding of a previous coating or application to new drywall is a factor.

Using the same method of application and batch to touch up with as that originally used will help improve touch up.

When original application was by spray, preconditioning of touch up paint by running it through the spray tip will help touch up appearance.

SPECIFICATIONS

Block:
1 coat ConFlex Block Filler*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Drywall:
1 coat ProMar 200 Zero V.O.C. Latex Primer
2 coats ProMar 200 Zero V.O.C. Interior Latex

Masonry:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Plaster:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Wood:
1 coat Premium Wall & Wood Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

*These primers contain less than 50 grams per litre V.O.C.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

ProMar® 200 Zero V.O.C.
Interior Latex Flat

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a **NIOSH**-approved respirator to control lead exposure. Clean up carefully with a **HEPA** vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at **1-800-424-LEAD** or log on to **www.epa.gov/lead.**

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Caulking:
Gaps between walls, ceiling, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Drywall:
Fill cracks and holes with patching paste-spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block:
All new surfaces must be cured according to the supplier's recommendations – usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

SURFACE PREPARATION

Mildew:
Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Plaster:
Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of clean water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Wood:
Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

CAUTIONS

For interior use only.
Protect from freezing.
Non-Photochemically reactive.

Before using, carefully read **CAUTIONS on label**.

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW	06/29/2023	B30W12650	15	00
HOTW	06/29/2023	B30W12651	26	00
HOTW	06/29/2023	B30W02653	32	00
HOTW	06/29/2023	B30T02654	34	00
HOTW	06/29/2023	B30R12658	06	00
HOTW	06/29/2023	B30Y02657	21	00
HOTW	06/29/2023	B30W02606	20	00
FRC, SP				

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm clean water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

PTW - Wall Paints

WALL PAINTS

Door + Door Frame Paint

Manufacturer: Sherwin-Williams
Style/Series: SW 7064 Passive (Semi-Gloss)

Attributes

Door + Door Frame Paint

Item Type: Interior Door + Door Frame Paint
Model: ProMar 200 Zero V.O.C. Interior Latex

MATERIAL/FINISH

Color: SW 7064 Passive
Finish: Semi-Gloss

NOTES

Manufacturer Data Sheet: https://tinyurl.com/3f98z49a
Special Instructions: SPECIAL INSTRUCTIONS Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended. Required Wall Finish Levels: All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish. All walls to receive Paint (or light to medium weight wall covering) are to have a Level 4 Gypsum Board Finish. All walls to receive Gloss, Enamel Paint, or Murals to have a Level 5 Gypsum Board Finish.

ProMar® 200 Zero V.O.C.
Interior Latex Semi-Gloss
B31-Series

SHERWIN WILLIAMS®

CHARACTERISTICS

ProMar® 200 Zero V.O.C. Interior Latex Semi-Gloss is a durable, professional quality, interior vinyl acrylic finish for use on walls, ceilings, and trim of primed plaster, wallboard, wood, masonry, and primed metal.

Color: Most Colors
To optimize hide and color development, always use the recommended P-Shade primer.

Coverage: 350-400 sq. ft. per gallon
@ 4 mils wet
1.5 mils dry

Drying Time, @ 77° F, 50% RH:
Touch: 1 Hour
Recoat: 4 Hours
Drying and recoat times are temperature, humidity, and film thickness dependent.

Finish: 25-35 units @ 85°

Tinting with CCE only:

Base:	oz. per gallon:	Strength:
High Ref White	0-6	SherColor
Extra White	0-7	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor
Real Red	0-12	SherColor
Bright Yellow	0-12	SherColor
Dover White		**Do Not Tint**

Extra White B31W12651
(may vary by color)
V.O.C. (less exempt solvents):
Less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	38 ±2%
Weight Solids:	50 ±2%
Weight per Gallon:	10.30 lbs
Flash Point:	N.A.
Vehicle Type:	Vinyl Acrylic
Shelf Life:	36 months, unopened
WVP Perms (US):	85.75 grains/(hr ft2 in Hg)

Anti-microbial
This product contains agents which inhibit the growth of mold and mildew on the surface of this paint film.

COMPLIANCE
As of 06/29/2023, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	Yes
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F
No reduction needed.

Brush:
Use a nylon-polyester brush.

Roller:
Use a 3/8 to 3/4 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on Sherwin-williams.com

Spray - Airless:
Pressure 2000 p.s.i.
Tip .017-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Priming and application of two coats at the recommended film thickness can help where hiding of a previous coating or application to new drywall is a factor.

Using the same method of application and batch to touch up with as that originally used will help improve touch up.

When original application was by spray, preconditioning of touch up paint by running it through the spray tip will help touch up appearance.

SPECIFICATIONS

Block:
1 coat ConFlex Block Filler*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Drywall:
1 coat ProMar 200 Zero V.O.C. Latex Primer
2 coats ProMar 200 Zero V.O.C. Interior Latex

Masonry:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Plaster:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Wood:
1 coat Premium Wall & Wood Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

*These primers contain less than 50 grams per litre V.O.C.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

ProMar® 200 Zero V.O.C.
Interior Latex Semi-Gloss

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a **NIOSH**-approved respirator to control lead exposure. Clean up carefully with a **HEPA** vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at **1-800-424-LEAD** or log on to **www.epa.gov/lead.**

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Caulking:
Gaps between walls, ceiling, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Drywall:
Fill cracks and holes with patching paste-spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block:
All new surfaces must be cured according to the supplier's recommendations – usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

SURFACE PREPARATION

Mildew:
Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Plaster:
Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of clean water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Wood:
Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

CAUTIONS

For interior use only.
Protect from freezing.
Non-Photochemically reactive.

Before using, carefully read **CAUTIONS on label**.

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW	07/03/2023	B31W02650	24	00
HOTW	06/29/2023	B31W02651	46	00
HOTW	06/29/2023	B31W02653	32	00
HOTW	06/29/2023	B31T02654	34	00
HOTW	06/29/2023	B31R12658	21	00
HOTW	06/29/2023	B31Y02657	24	00
HOTW	06/29/2023	B31W02606	25	00
FRC, SP				

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm clean water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

WALL PAINTS

INTERIOR WALL PAINT

Manufacturer: Sherwin-Williams
Style/Series: SW 7064 Passive (Eg-Shel)

Sales Rep

Primary

Matt Wessel
Email: matthew.m.wessel@sherwin.com
Office Phone: (216) 515-7925

Attributes

INTERIOR WALL PAINT

Item Type: Guest Corridor and Public Space Wall Paint

MATERIAL/FINISH

Color: SW 7064 Passive
Finish: Eg-Shel

PERFORMANCE

Best Practices: Low-VOC, UL Greenguard Certified
Quality Standards: Interior paint: Comply with Green Seal GS-11;
MPI Architectural Painting Specification Manual; 40 CFR, Part 59,
Subpart D 2001, National Volatile Organic Compound Emission
Standards for Architectural Coatings

MISCELLANEOUS

Eco-Feature(s) *as per manufacturer: Formulated without lead,
mercury or chromates.
Lead Time: Standard lead times are 3-5 days from receipt of
purchase order. Lead time should be confirmed by the
manufacturer.
Warranty: Limited Lifetime

NOTES

Manufacturer Data Sheet: https://tinyurl.com/ysrhnnh3
Special Instructions: Primer, undercoat, block filler, finish coat(s) are
to be compatible and of the same manufacturer. All primers and
undercoats are to be tinted to 50% lighter than the selected and
approved finish coat color. All finish coats are to be tinted 25%
darker than the primer coat until approved finish coat color is
achieved. When the color schedule calls for the use of DEEP TONES
(interior and/or exterior), it is the responsibility of the painting
contractor to utilize the appropriate Deep Base Primers as
manufactured by the painting company for use on the substrate for
which they are intended. Required Wall Finish Levels: All walls to
receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to medium weight wall covering)

are to have a Level 4 Gypsum Board Finish. All walls to receive Gloss, Enamel Paint, or Murals to have a Level 5 Gypsum Board Finish.

ProMar® 200 Zero V.O.C.
Interior Latex Eg-Shel
B20-Series

SHERWIN WILLIAMS®

CHARACTERISTICS

ProMar® 200 Zero V.O.C. Interior Latex Eg-Shel is a durable, professional quality, interior vinyl acrylic finish for use on walls, ceilings, and trim of primed plaster, wallboard, wood, masonry, and primed metal.

Color: Most Colors
To optimize hide and color development, always use the recommended P-Shade primer.

Coverage: 350-400 sq. ft. per gallon
@ 4 mils wet
1.1 mils dry

Drying Time, @ 77° F, 50% RH:
Touch: 1 Hour
Recoat: 4 Hours
Drying and recoat times are temperature, humidity, and film thickness dependent.

Finish: 15-20 units @ 85°
5+ units @ 60°

Tinting with CCE:

Base:	oz. per gallon:	Strength:
High Ref White	0-6	SherColor
Extra White	0-7	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor
Real Red	0-12	SherColor
Bright Yellow	0-12	SherColor
Dover White		**Do Not Tint**

Extra White B20W12651
(may vary by color)
V.O.C. (less exempt solvents):
Less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	42 ±2%
Weight Solids:	54 ±2%
Weight per Gallon:	10.81 lbs
Flash Point:	N.A.
Vehicle Type:	Vinyl Acrylic
Shelf Life:	18 months, unopened
WVP Perms (US):	54.19 grains/(hr ft2 in Hg)

Anti-microbial
This product contains agents which inhibit the growth of mold and mildew on the surface of this paint film.

COMPLIANCE
As of 06/29/2023, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	Yes
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F
No reduction needed.

Brush:
Use a nylon-polyester brush.

Roller:
Use a 3/8 to 3/4 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on Sherwin-williams.com

Spray - Airless:
Pressure 2000 p.s.i.
Tip .017-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Priming and application of two coats at the recommended film thickness can help where hiding of a previous coating or application to new drywall is a factor.

Using the same method of application and batch to touch up with as that originally used will help improve touch up.

When original application was by spray, preconditioning of touch up paint by running it through the spray tip will help touch up appearance.

SPECIFICATIONS

Block:
1 coat ConFlex Block Filler*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Drywall:
1 coat ProMar 200 Zero V.O.C. Latex Primer
2 coats ProMar 200 Zero V.O.C. Interior Latex

Masonry:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Plaster:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Wood:
1 coat Premium Wall & Wood Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

*These primers contain less than 50 grams per litre V.O.C.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

ProMar® 200 Zero V.O.C.
Interior Latex Eg-Shel

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a **NIOSH**-approved respirator to control lead exposure. Clean up carefully with a **HEPA** vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at **1-800-424-LEAD** or log on to **www.epa.gov/lead.**

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Caulking:
Gaps between walls, ceiling, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Drywall:
Fill cracks and holes with patching paste-spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block:
All new surfaces must be cured according to the supplier's recommendations – usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

SURFACE PREPARATION

Mildew:
Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Plaster:
Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of clean water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Wood:
Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

CAUTIONS

For interior use only.
Protect from freezing.
Non-Photochemically reactive.

Before using, carefully read **CAUTIONS on label**.

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW	06/28/2023	B20W12650	18	0
HOTW	06/28/2023	B20W12651	32	0
HOTW	06/28/2023	B20W02653	38	0
HOTW	06/28/2023	B20T02654	44	0
HOTW	06/28/2023	B20R12658	05	0
HOTW	06/28/2023	B20Y02657	22	0
HOTW	06/28/2023	B20W02606	24	0
FRC, SP				

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm clean water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

WALL PAINTS

Interior Gypsum Board Wall Primer

Manufacturer: Sherwin Williams
Style/Series: ProMar 200 ZeroVOC Interior Latex Wall Primer
(B28W02600)

Sales Rep

Primary

Matt Wessel
Email: matthew.m.wessel@sherwin.com
Office Phone: (216) 515-7925

Attributes

Interior Gypsum Board Wall Primer

Type: Interior Water-based Acrylic Latex Primer

MATERIAL/FINISH

Color: White
Finish: Flat

PERFORMANCE

Best Practices: Low-VOC, UL Greenguard Certified
Quality Standards: Interior paint: Comply with Green Seal GS-11;
MPI Architectural Painting Specification Manual; 40 CFR, Part 59,
Subpart D 2001, National Volatile Organic Compound Emission
Standards for Architectural Coatings;

MISCELLANEOUS

Lead Time: Standard lead times are 3-5 days from receipt of
purchase order. Lead time should be confirmed by the
manufacturer.
Warranty: Limited Lifetime

CUSTOM FIELDS

Product Type: ProMar 200 ZeroVOC Interior Latex Wall Primer
(B28W02600)
Finish: Flat
Eco-Feature(s) *as per manufacturer: Zero VOCs meets the most
stringent VOC requirements. GREENGUARD Environmental Institute
(GEI) and other green guidelines and regulations. ProMar 200 Zero
VOC Flat meets MPI 53 and 143.

Notes

Special Instructions

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 minimum) Gypsum Board Finish. All walls to receive Paint (or light to med weight wall covering) are to have a level 4 Gypsum Board Finish. All walls to receive Gloss, enamel paint, or Murals to have a Level 5 Gypsum Board Finish.

ProMar® 200
Zero V.O.C. Interior Latex Primer

B28W02600 White

CHARACTERISTICS

ProMar 200 Zero V.O.C. Interior Latex Primer is a professional quality, interior vinyl acrylic primer.

This primer has been designed for use with the **ProMar Series Interior Latex topcoats** providing a complete system.

For use on these interior surfaces:

• Wood

• Drywall

• Plaster

• Masonry

• Primed Metal

• Previously painted surfaces

Color: White
For best topcoat color development, use the recommended "P"-shade primer. Check color before use.

Coverage: 400 sq.ft.per gallon @ 4.0 mils wet; 1.0 mils dry

Drying and recoat times are temperature, humidity, and film thickness dependent

Drying Time, @ 77°F, 50% RH:
Touch: 1 hour
Recoat: 4 hour

Finish: 0-5 units @85°

Tinting: Requires ColorCast Ecotoner for tinting.

For best topcoat color development, use the recommended "P"-shade primer. If desired, up to 4 oz per gallon of ColorCast Ecotoner can be used to approximate the topcoat color. Check color before use.

White B28W02600
V.O.C. (less exempt solvents):
 less than 50 grams per litre; .42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 26 ± 2%
Weight Solids: 43 ± 2%
Weight per Gallon: 10.77 lbs
Flash Point: N.A.
Vehicle Type: Vinyl acrylic
Shelf Life: 36 months unopened

WVP Perms (US):
 135.65 ± 5.07 perm grains/(hr ft2 in Hg)

COMPLIANCE

As of 07/13/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Product Lens Certified	Yes
MPI®	Yes

APPLICATION

No reduction necessary.

Apply at temperatures above 50°F.

Brush:
Use a nylon-polyester brush

Roller:
Use a nap synthetic cover,

For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray—Airless:
Pressure 2000 p.s.i.
Tip .017-.021 inch

APPLICATION TIPS

When spot priming on some surfaces, a non-uniform appearance of the final coat may result, due to differences in holdout between primed and unprimed areas. To avoid this, prime the entire surface rather than spot priming.

For optimal performance, this primer must be topcoated with a latex, alkyd-oil, water based epoxy, or solvent based epoxy coating on architectural applications.

SPECIFICATIONS

Drywall:
1 coat ProMar 200 Zero V.O.C. Latex Primer
2 coats Of appropriate finishes

Previously Painted:
1 coat ProMar 200 Zero V.O.C. Latex Primer
1-2 coats Of appropriate finishes

ProMar® 200
Zero V.O.C. Interior Latex Primer

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Caulking - Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Drywall - Fill cracks and nail holes with patching paste-spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block - All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

Plaster - Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

SURFACE PREPARATION

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

CAUTIONS

For interior use only.

Protect from freezing.

Non-photochemically reactive.

Not for use under wallpaper.

Before using, carefully read **CAUTIONS on label**

CRYSTALLINE SILICA: Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW   07/13/2020   B28W02600   28 00
FRC, SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

TA - Grab Bars

GRAB BARS

Manufacturer: Bobrick
Style/Series: Bobrick Swing-Up Grab Bar

Sales Rep

Primary

Dean Armstrong
Email: dean.armstrong@ferguson.com
Office Phone: 855-521-1805
Mobile Phone: 949-289-3058

Attributes

Item Type: Swing-Up Grab Bar
Model: B-4998

MATERIAL/FINISH

Finish: Satin Stainless Steel
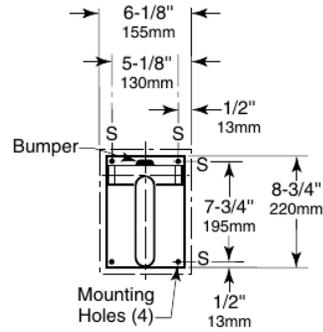
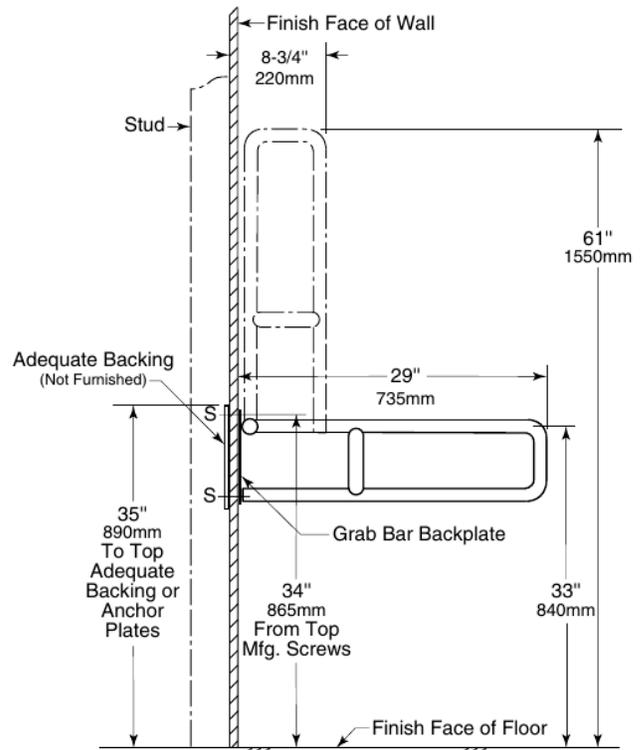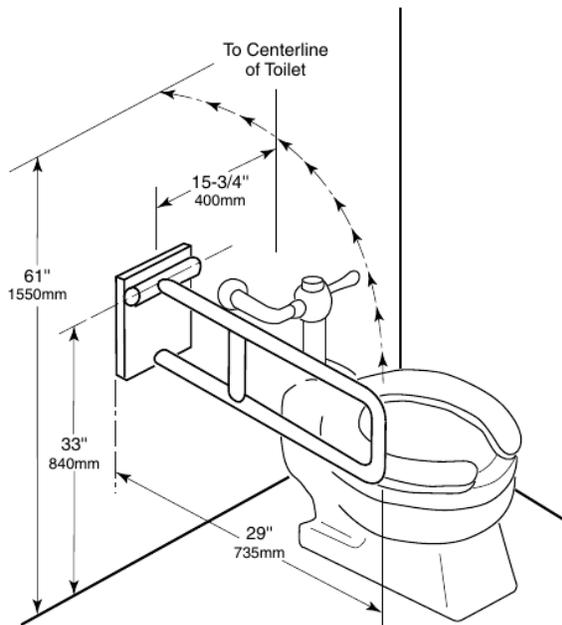**PERFORMANCE**

Accessibility Compliance : ADA

NOTES

Warranty: See Website

Specify Finish Required: ☐ Satin-finish
☐ Satin-finish with peened gripping surface; add suffix .99 to model number

Grab Bar Backplate

6-1/8" 155mm
5-1/8" 130mm
1/2" 13mm
Bumper
S S
S
7-3/4" 195mm
8-3/4" 220mm
S
Mounting Holes (4)
1/2" 13mm

To Centerline of Toilet
15-3/4" 400mm
61" 1550mm
33" 840mm
29" 735mm

Finish Face of Wall
8-3/4" 220mm
Stud
61" 1550mm
Adequate Backing (Not Furnished)
29" 735mm
S
S
35" 890mm To Top Adequate Backing or Anchor Plates
Grab Bar Backplate
34" 865mm From Top Mfg. Screws
33" 840mm
Finish Face of Floor

MATERIALS:

Grab Bar — 18-8, Type-304, 18-gauge (1.2mm) stainless steel tubing with satin-finish. 1–1/4" (32mm) outside diameter. Ends are heliarc welded to flanges.

Backplate — 18-8, Type-304, 3/16" (5mm) thick, satin-finish stainless steel with four screw holes for attachment to wall.

OPERATION:

Swing-up grab bar is manually raised for approach or departure and lowered to horizontal position for support; once grab bar is raised to the full upright (vertical) position, counterweighted design prevents grab bar from falling back down to the full horizontal position.

STRENGTH:

Swing-up grab bar can support loads in excess of 500 pounds (227kg) if properly installed.

Safety Warning: Grab bars are no stronger than the anchors and walls to which they are attached and, therefore, must be firmly   secured in order to support the loads for which they are intended. To avoid potential injury, the building owner or maintenance personnel should remove the grab bar from service if the grab bar is not adequately secured to wall or if there is any observe damage to the welds.

INSTALLATION:

Provide concealed anchor device or backing as specified or required in accordance with local building codes before wall is finished. Fasten grab bar to anchor device or backing. Concealed anchor devices and mounted screws are not included with Bobrick grab bars and must be specified as an optional accessory.

SPECIFICATION:

Grab bar shall be Type-304 stainless steel with satin finish. Grab bar shall have 18-gauge (1.2mm) wall thickness and 1–1/4" (32mm) outside diameter. Backplate shall be 3/16" (5mm) thick stainless steel, equipped with screw holes for attachment to wall. Swing-up grab bar shall be manually raised for approach or departure and lowered to horizontal position for support; counterweighted design shall prevent grab bar from falling back down to the full horizontal position once grab bar is raised to the full upright (vertical) position.

Swing-Up Grab Bar shall be Model _____ (insert model number) of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

TC - Tile Ceiling

TILE CEILING

Acoustical Ceiling Tile

Manufacturer: USG
Style/Series: Clean Room Class 100 (ISO C5) Acoustical Panels with Climaplus Performance, Item No. #3260

Sales Rep

Primary

Ado Ade
Email: No.Email.329
Office Phone: (845) 786-2820

Attributes

Acoustical Ceiling Tile

Type: N/A

DIMENSIONS

Width: 2'-0"
Length: 2'-0"
Thickness: 5/8"

MATERIAL/FINISH

Material Composition: Wet formed mineral fiber.
Color: White
Finish: Smooth-textured panel with an embossed, vinyl-laminated face.

PERFORMANCE

Acoustical Performance: 0-0.55 NRC, 35 CAC
Best Practices: USDA Certified Biobased Product, 55% Recycled Content
Fire/Smoke Rating: ASTM E-1264 Classification (Class 100: Type X, Pattern GI), ASTM E-84, Class A
Thermal Performance: Resistance: R-1.6

MISCELLANEOUS

Warranty: 30 Year Limited Warranty.
USG Donn Brand Suspension System and USG panels and tile with Climaplus performance, when used together, to be free from defects in materials and workmanship at time of manufacture.

CUSTOM FIELDS

Content: Wet formed mineral fiber.
Edge: Square
Suspension: USG Donn Brand Suspension System
Product: Clean Room Class 100 (ISO C5) Acoustical Panels with Climaplus Performance, Item No. #56099.
Grid: US DX/DXL

Finish: Smooth-textured panel with an emboossed, vinyl-laminated face.
Quality Standards: NA

USG CLEAN ROOM™ ACOUSTICAL PANELS

CLIMAPLUS™ PERFORMANCE

USG Clean Room™ Class 10M–100M Acoustical Panels with ClimaPlus™ Performance/ USG Donn® Brand DXLA™ Acoustical Suspension System

TO ORDER SAMPLES, GO TO USG.COM OR CGCINC.COM

Flat White
050

Smooth-Textured Panel, Class 100

Smooth-Textured Perforated Panel, Class 10M–100M

FEATURES AND BENEFITS

- USG Clean Room™ Class 100 and Class 10M–100M panels have an embossed, vinyl-laminated face with sealed back and edges for use in Class 100 (ISO 5) or 10M–100M (ISO 7) Clean Rooms.
- USDA Certified Biobased Product.[8]
- Firecode® product designed to meet life-safety codes.
- ClimaPlus™ 30-year limited system warranty against visible sag.

APPLICATIONS

- Clean Rooms
- Laboratories
- Surgical areas/emergency rooms
- Kitchens/food prep areas (Class 100 only)

SUBSTRATE

- Wet-formed mineral fiber

USG **CGC**

IT'S YOUR WORLD. BUILD IT.™

USG CLEAN ROOM™ ACOUSTICAL PANELS
CLIMAPLUS™ PERFORMANCE

ORDER SAMPLES/LITERATURE
USG: samplit@usg.com
fax: 888 874-2348 | usg.com
CGC: contact Sales Representative

TECHNICAL SERVICES
800 USG.4YOU (874-4968)

FOR MOST UP-TO-DATE
TECHNICAL INFORMATION
AND LEED REPORT TOOL
usgdesignstudio.com
cgcdesignstudio.com

30 YEAR LIMITED SYSTEM WARRANTY
• No Visible Sag
• Mold/Mildew Protection

HRC HIGH RECYCLED CONTENT

USDA CERTIFIED BIOBASED PRODUCT

UL Classified

	Edge[5]	Panel Size	Fire Rating[2]	Item No.	NRC[4]	CAC Min.	LR[3]	Color	Grid Options	Recycled Content[1]	Panel Cost
USG CLEAN ROOM™ CLASS 100 (ISO 5) PANELS	SQ	2'x2'x5/8" Unperforated	🔥	56099	—	35	0.79	White	A,B,C,D,E	55%	$$$
		2'x4'x5/8" Unperforated	🔥	56091	—	35	0.79	White	A,B,C,D,E	55%	$$$
USG CLEAN ROOM™ CLASS 10M-100M (ISO 7) PANELS[7]	SQ	2'x2'x5/8" Perforated	🔥	56060	0.55	35	0.79	White	A,B,C,D, E	55%	$$$
		2'x4'x5/8" Perforated	🔥	56090	0.55	35	0.79	White	A,B,C,D,E	55%	$$$

HRC High Recycled Content
Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

🔥 **Firecode®**

GRID PROFILE OPTIONS

A USG DX®/DXL™	B USG DXLA™	C USG ZXLA™	D USG AX™	E[6] USG CE™

PHYSICAL DATA/ FOOTNOTES

Product literature
Data sheet: SC1811

ASTM E1264 classification
Class 100: Type X, Pattern GI
Class 10M-100M: Type X, Pattern CGI

ASTM E84 and CAN/ULC S102 surface-burning characteristics
Class A
Flame spread: 25 or less
Smoke developed: 50 or less

UL Type
M

Weight
1.1 lb./sq. ft. (Class 100 panels)
1.2 lb./sq. ft. (Class 10M-100M panels)

Online tools
usgdesignstudio.com or cgcdesignstudio.com

Thermal resistance
R-1.6

Maximum backloading
See *USG 30-Year Limited System Warranty Commercial Applications* (SC2102).

Maintenance
Can be cleaned easily with a damp sponge, mild detergent and water. Do not use acetate, ammonia, or highly concentrated chlorine, bromide or other harsh chemicals.

Metric sizes available
Contact sales for minimum quantities and lead times.

Notes
1. For details, see LEED report tool at usgdesignstudio.com or cgcdesignstudio.com.
2. Fire-rated items: see UL design details.
3. LR values are shown as averages.
4. NRC rating for USG Clean Room™ ClimaPlus™ Class 100 panels is 0.10. USG does not consider a ceiling panel to be acoustically rated if NRC is less than 0.50.
5. Field-cut edges of USG Clean Room™ panels may be sealed with white latex paint.
6. Clean Room-rated applications require a suspension system with gasketed tee flanges such as USG Donn® Brand CE.™
7. Not intended for kitchen/food prep applications. Use unperforated product (Class 100)—item numbers 56099 and 56091.
8. This product has achieved both BioPreferred initiatives: Federal Procurement Preference and Certified Product Labeling. See the complete listing of all USG ceiling panels on biopreferred.gov website.

Notice
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Manufactured by
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550 West Adams Street
Chicago, IL 60661

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Safety First! Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

USG CGC

TS - Transitions Strips

TRANSITIONS STRIPS

Finishing edge-protection profile, me...

Manufacturer: Schluter Systems
Style/Series: Jolly

Sales Rep

Primary

Steve Brasington
Email: SBrasington@schluter.com
Office Phone: (803) 429-2950

Attributes

Finishing edge-protection profile, metal tile trim.

Type: Metal Edge Trim

MATERIAL/FINISH

Material Composition: Stainless Steel
Color: Stainless Steel 316L

MISCELLANEOUS

Lead Time: To be verified
Warranty: Warranted to be free from manufacturing defects for a period of 5 years from the date of the purchase order

CUSTOM FIELDS

Finish: NA

FLOOR PROFILES

FINISHING, EDGE PROTECTION, AND TRANSITIONS

Because ceramic and stone tiles are inherently brittle, their exposed edges can chip and crack if left unprotected. Transitions between floor surfaces and at thresholds are particularly vulnerable to damage. Schluter-Systems offers a variety of profiles to provide edge protection and transitioning at thresholds and between adjacent surfaces, resulting in durable, maintenance-free tiled coverings. The profiles can be grouped into two categories: transitions between same-height surfaces and transitions between different-height surfaces

Application and Function

Same-height Transitions
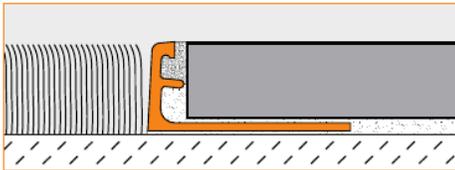
1.1 Schluter®-SCHIENE is designed to provide edging for tile coverings. Typical applications include edge protection where tile is bordered by carpet, at expansion joints, or as a decorative edging for stairs. SCHIENE is available in stainless steel, solid brass, aluminum, and anodized aluminum. The profile features a trapezoid- perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and an 87° sloped vertical wall section that transfers point loads to the substrate and surface covering while protecting tile edges from damage. SCHIENE, in solid brass, aluminum, and anodized aluminum, features a 5° sloped top flange and fillet at the anchoring leg/vertical section interface to enhance edge protection by reducing stresses on the tile, and, in sizes greater than 1/4" *(6 mm)*, features an
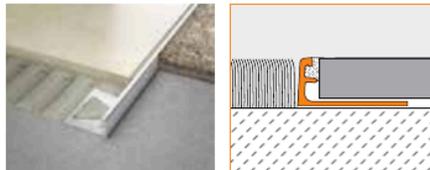
1.1 Schluter®-SCHIENE

1.6 Schluter®-DECO

1.3 Schluter®-RENO-T

integrated joint spacer that establishes a defined joint cavity between the tile and the profile. The anchoring leg of SCHIENE, in all materials, is available with a special radius perforation "R" so that the profile can be used to form curves.
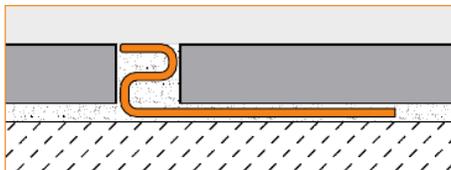
1.6 Schluter®-DECO is designed to provide decorative lines within tile coverings and edge protection at transitions from tile coverings to other same-height surface coverings, such as wood or carpet. The profile is available in stainless steel, solid brass, chrome-plated
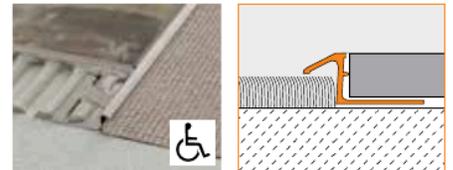
1.4 Schluter®-RENO-TK
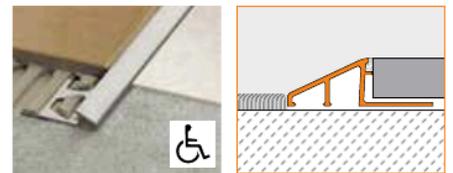
1.2 Schluter®-RENO-U
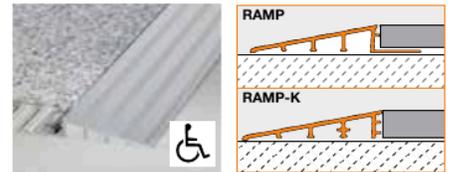
RAMP

RAMP-K

1.8 Schluter®-RENO-RAMP/-K
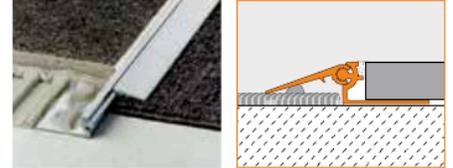
1.7 Schluter®-RENO-V

solid brass, and anodized aluminum. DECO features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and a 1/4" *(6 mm)*-wide visible surface that meets the high aesthetic requirements of showrooms, lobbies, galleries, exhibition booths, etc. The anchoring leg of DECO, in solid brass, chrome-plated solid brass, and anodized aluminum, is available with a special radius perforation "R" so that the profile can be used to form curves. DECO in chrome-plated brass requires a relatively large bending radius.
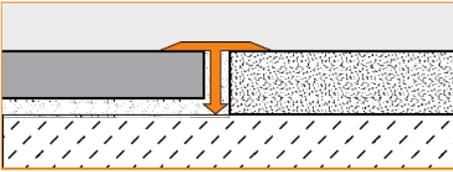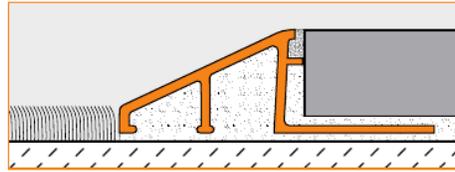
1.3 Schluter®-RENO-T is designed to provide transitions between existing same-height, hard-surface floor coverings (e.g., ceramic tile or natural stone, parquet flooring, concrete pavers, laminate, etc.), primarily in retrofit applications. The profile is available in stainless steel, solid brass, and anodized aluminum. RENO-T is installed within the existing joint cavity and overlaps adjoining surface materials, thus preventing edges from becoming damaged when subjected to mechanical stress. RENO-T, in brass and anodized aluminum size 9/14, is flexible in the lateral direction and can be used in curved applications.

Different-height Transitions
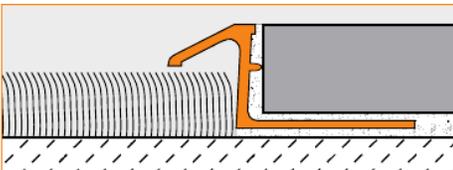
1.4 Schluter®-RENO-TK is designed to provide a smooth transition from tile coverings to floor coverings at lower elevations, typically carpet. The profile is available in stainless steel, solid brass, and anodized aluminum. RENO-TK features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and a sloped surface to eliminate trip hazards and protect tile edges. The 1/4" *(6 mm)* channel beneath the sloped flange of the profile hides and protects the cut edge of lower adjoining surface coverings. All sizes of the RENO-TK are compliant with the Americans with Disabilities Act (ADA). RENO-TK, in anodized aluminum, features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile. The anchoring leg of RENO-TK, in solid brass and anodized aluminum, sizes 60 to 100, is available with a special radius perforation "R" so that the profile can be used to form curves.

1.2 Schluter®-RENO-U is designed to provide a smooth transition between tile coverings and floor coverings at lower elevations or finished concrete. The profile is available in stainless steel, solid brass, and anodized aluminum. RENO-U features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and a sloped surface (approximately 25°) that eliminates trip hazards and protects tile edges. The leading edge of the profile abuts the lower surface covering, typically VCT. RENO-U, in aluminum, features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile. In installations where the leading edge abuts a lower surface covering, all sizes of RENO-U, except the 3/4" *(20 mm)* and 11/16" *(17.5 mm)*, are compliant with the Americans with Disabilities Act (ADA). In installations where the leading edge rests on top of the lower floor covering (e.g., finished concrete), the 3/4" *(20 mm)*, 11/16" *(17.5 mm)*, and 9/16" *(15 mm)* sizes are not ADA-compliant. **Note:** When using Schluter® uncoupling membranes with RENO-U profiles, factor in the thickness of the membrane over the anchoring leg when selecting the profile height.
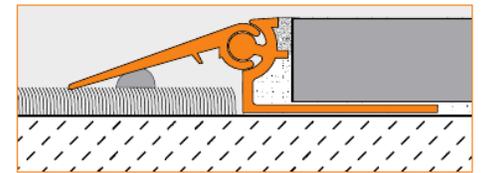

RENO-RAMP
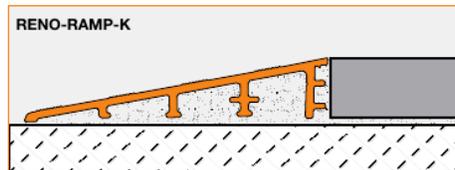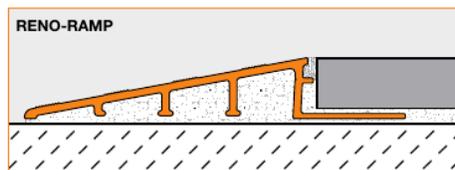
RENO-RAMP-K

1.8 Schluter®-RENO-RAMP is designed to provide a smooth transition between tile coverings and floor coverings at lower elevations or finished concrete, particularly in commercial applications where wheel carts are used (e.g., bakeries, hospitals, etc.). The profile is available in anodized aluminum. RENO-RAMP features a trapezoid-perforated

anchoring leg, which is secured in the mortar bond coat beneath the tile, and a sloped transition surface that terminates at the height of the tile edge. The profile protects tile edges and provides a sloped surface to eliminate trip hazards and allow easy access for wheel carts. RENO-RAMP features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile.

Note: When using Schluter® uncoupling membranes with RENO-RAMP profiles, factor in the thickness of the membrane over the anchoring leg when selecting the profile height. **Schluter®-RENO-RAMP-K** is a variant of the profile without an anchoring leg. RENO-RAMP-K is installed adjacent to existing floor coverings, e.g., retrofitting between existing floor coverings and bare concrete without having to disturb the existing flooring. All sizes of RENO-RAMP, except sizes 9/16" *(15 mm)* and 3/4" *(20 mm)*, are compliant with the Americans with Disabilities Act (ADA).

1.7 Schluter®-RENO-V is designed to provide a smooth transition between tile coverings and floor coverings at lower elevations. The profile is available in anodized aluminum. RENO-V features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and a movable transition arm that allows the profile to adjust to the height of the adjacent floor covering via a ball-and-socket joint. The profile protects tile edges and provides a sloped surface to eliminate trip hazards. RENO-V features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile. RENO-V is also suitable for heavy-duty applications (e.g., entrances to garages or loading docks). In such cases, the adjustable arm is backfilled with mortar.

Material Properties and Areas of Application

Schluter edge-protection and transition profiles are resistant to most chemicals encountered in tiled environments. In special cases, the suitability of a proposed type of profile must be verified based on the anticipated chemical, mechanical, and/or other stresses. Exceptions and special considerations are listed below:

Stainless steel profiles are roll-formed, resulting in a slightly different contour from those made of extruded brass or aluminum. Stainless steel can sustain high mechanical stresses and is particularly well suited for applications requiring resistance against chemicals and acids; for example in the food industry, breweries, dairies, commercial kitchens, and hospitals, as well as in residential applications. Typically, the profiles are formed using stainless steel 304 (1.4301 = V2A). For more severe chemical exposure, such as de-icing salts and chemicals used in swimming pools, we recommend the use of stainless steel 316 L (1.4404 = V4A), which offers even higher corrosion resistance than the 304. Even stainless steel cannot withstand all chemical exposures, such as hydrochloric acid, hydrofluoric acid or certain chlorine, chloride, and brine concentrations.

Chrome-plated solid brass is ideal for matching chrome fixtures. Surfaces must be protected against abrasion or scratching.

Solid brass can sustain high mechanical stresses, as well as most chemicals commonly encountered in tiled environments. Solid brass that is exposed to air will oxidize, resulting in a natural patina. If exposed to moisture or aggressive substances, heavy oxidation and spotting may occur.

Aluminum profiles must be tested to verify their suitability if chemical stresses are anticipated. Cementitious materials, in conjunction with moisture, become alkaline. Since aluminum is sensitive to alkaline substances, exposure to the alkali (depending on the concentration and duration of exposure) may result in corrosion (aluminum hydroxide formation). Therefore, it is important to remove mortar or grout residue from visible surfaces. In addition, ensure that the profile is solidly embedded in the setting material and that all cavities are filled to prevent the collection of alkaline water.

Anodized aluminum profiles feature an anodized layer that retains a uniform appearance during normal use, but is not color-stable in exterior applications. The surface is susceptible to scratching and wear and may be damaged by grout or setting material. Therefore, these materials must be removed immediately. Otherwise, the description regarding aluminum applies.

Cutting Profiles

Observe all safety instructions and standards as directed by the cutting tool manufacturer, including protective eyewear, hearing protection, and gloves.

Always measure carefully and dry fit the profiles, corners, and connectors to ensure proper fit and alignment prior to setting tile.

Aluminum profiles may be cut using any of the following options:

- **Hacksaw** with a bimetal blade and the highest teeth per inch (TPI) available.
- **Variable-Speed Angle Grinder** set to the lowest speed using the Schluter®-PROCUT-TSM cutting wheel.
- **Chop saw or Miter Saw** with a non-ferrous blade.

Regardless of the cutting tool used, remove any burrs from the cut end of the profile with a file or similar before installation.

Stainless steel profiles may be cut using any of the following options:

- **Variable-Speed Angle Grinder** set to the lowest speed using the Schluter®-PROCUT-TSM cutting wheel.
- **Band Saw** with a metal cutting blade.

Regardless of the cutting tool used, remove any burrs from the cut end of the profile with a file or similar before installation.

Installation

SCHIENE, JOLLY, DECO, RENO-TK, RENO-U, RENO-RAMP, and RENO-V

1. Select the profile according to tile thickness and format.

   Note: When using Schluter® uncoupling membranes with RENO-U and RENO-RAMP profiles, factor in the thickness of the membrane over the anchoring leg when selecting the profile height.

2. Using a notched trowel, apply thin-set mortar to the area where the profile is to be placed.

For RENO-U and RENO-RAMP, fill the cavity beneath the sloped section of the profile with thin-set mortar. Follow this step when RENO-V is used in heavy-duty applications, as well.

3. Press the perforated anchoring leg of the profile into the mortar and align.

4. Trowel additional thin-set mortar over the perforated anchoring leg to ensure full coverage and support of the tile edges.

5. Solidly embed the tiles so that the tiled surface is flush with the top of the profile; the profile should not be higher than the tiled surface, but rather up to approx. 1/32" *(1 mm)* lower.

6. Set the tile to the integrated joint spacer, which ensures a uniform joint of 1/16" - 1/8" *(1.5 - 3 mm)*. For DECO and stainless steel profiles, leave a space of approximately 1/16" - 1/8" *(1.5 - 3 mm)*.

7. Fill the joint completely with grout or setting material.

8. Remove grout or mortar residue from the visible surface of the profile.

RENO-RAMP-K

1. Fill the cavity beneath the sloped section of the profile with thin-set mortar.

2. Using a notched trowel, apply thin-set mortar to the area where the profile is to be placed.

3. Press the profile into the mortar and abut to the adjacent floor covering. The profile should not be higher than the adjacent floor covering, but rather up to approx. 1/32" *(1 mm)* lower.

4. Fill the joint completely with grout or setting material.

5. Work with materials and tools that will not scratch or damage sensitive surfaces. Setting materials must be removed immediately.

RENO-T

1. Select the profile according to joint width, to ensure proper support of the lateral crosspiece.

2. The joint cavity must be at least 3/8" *(9 mm)* deep and free of debris. Substances that inhibit adhesion must be removed from the sides of the joint.

3. Fill the joint with elastomeric sealant such as Schluter®-KERDI-FIX or similar. Then insert the vertical leg of RENO-T in the joint so that the lateral crosspiece rests completely on the edges of the surface coverings.

4. Remove any excess sealant with a suitable cleaner.

Maintenance

Schluter edge-protection and transition profiles require no special maintenance or care and are resistant to mold and fungi. Clean profiles periodically using neutral cleaning agents.

Stainless steel surfaces exposed to the environment or aggressive substances should be cleaned periodically using a mild household cleaner. Regular cleaning maintains the neat appearance of stainless steel and reduces the risk of corrosion. All cleaning agents must be free of hydrochloric acid, hydrofluoric acid, and chlorides. Stainless steel surfaces develop a sheen when treated with a chrome-polishing agent.

Oxidation films on exposed **solid brass** or **aluminum** can be removed by using a conventional polishing agent, but will form again.

In the case of **anodized aluminum**, **color-coated aluminum,** and **chrome-plated solid brass**, do not use abrasive cleaning agents.

Product Item Numbers
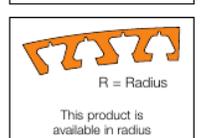
Aluminum, Brass
3/32" - 3/16" (2 - 4.5 mm)

1/4" - 1/2" (6 - 12.5 mm)

Single spacer design
17/32" - 1-3/16" (14 - 30 mm)

Multiple spacer design

Stainless steel

3/32" - 2 mm

R = Radius
This product is available in radius
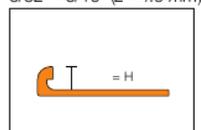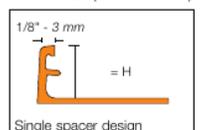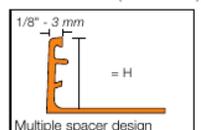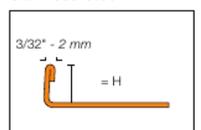
1.1 Schluter®-SCHIENE

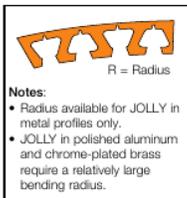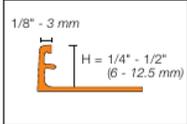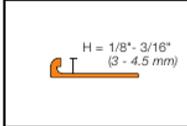| H = mm - in.	Item No.					
	Stainless steel 316L (1.4404 = V4A) (E/V4A)	Stainless steel 304 (1.4301 = V2A) (E)	Brushed stainless steel 304 (1.4301 = V2A) (EB)	Solid brass (M)	Aluminum (A)	Satin anodized aluminum (AE)
2 - 3/32	-	E 20	-	-	A 20	AE 20
3 - 1/8	-	E 30	-	M 30	A 30	AE 30
4.5 - 3/16	E 45/V4A	E 45	-	M 45	A 45	AE 45
6 - 1/4	E 60/V4A	E 60	E 60 EB	M 60	A 60	AE 60
7 - 9/32	-	E 70	-	-	A 70	AE 70
8 - 5/16	E 80/V4A	E 80	E 80 EB	M 80	A 80	AE 80
9 - 11/32	-	E 90	-	M 90	A 90	AE 90
10 - 3/8	E 100/V4A	E 100	E 100 EB	M 100	A 100	AE 100
11 - 7/16	-	E 110	E 110 EB	M 110	A 110	AE 110
12.5 - 1/2	E 125/V4A	E 125	E 125 EB	M 125	A 125	AE 125
14 - 17/32	-	E 140	-	-	A 140	AE 140
15 - 9/16	E 150/V4A	E 150	-	M 150	A 150	AE 150
16 - 5/8	-	E 160	-	M 160	A 160	AE 160
17.5 - 11/16	E 175/V4A	E 175	-	M 175	A 175	AE 175
20 - 3/4	E 200/V4A	E 200	-	M 200	A 200	AE 200
21 - 13/16	-	-	-	-	A 210	AE 210
22.5 - 7/8	E 225/V4A	E 225	-	M 225	A 225	AE 225
25 - 1	E 250/V4A	E 250	-	M 250	A 250	AE 250
27.5 - 1-1/16	-	-	-	-	A 275	AE 275
30 - 1-3/16	E 300/V4A	E 300	-	M 300	A 300	AE 300

Length supplied: 8' 2-1/2" — 2.5 m

1.1 Schluter®-SCHIENE

H = mm - in.	Length = 3.05 m - 10'	
	Item No.	
	Stainless steel 304 (1.4301 = V2A) (E)	Satin anodized aluminum (AE)
8 - 5/16	E 80/300	AE 80/300
10 - 3/8	E 100/300	AE 100/300
12.5 - 1/2	E 125/300	AE 125/300

2.3 Schluter®-JOLLY

H = mm - in.	Item No.					
	Satin brass anodized aluminum (AM)	Brushed brass anodized aluminum (AMGB)	Satin copper anodized aluminum (AK)	Brushed copper anodized aluminum (AKGB)	Satin nickel anodized aluminum (AT)	Brushed nickel anodized aluminum (ATGB)
6 - 1/4	A 60 AM	A 60 AMGB	A 60 AK	A 60 AKGB	A 60 AT	A 60 ATGB
8 - 5/16	A 80 AM	A 80 AMGB	A 80 AK	A 80 AKGB	A 80 AT	A 80 ATGB
10 - 3/8	A 100 AM	A 100 AMGB	A 100 AK	A 100 AKGB	A 100 AT	A 100 ATGB
12.5 - 1/2	A 125 AM	A 125 AMGB	A 125 AK	A 125 AKGB	A 125 AT	A 125 ATGB

H = mm - in.	Item No.					
	Brushed antique bronze anodized aluminum (ABGB)	Brushed chrome anodized aluminum (ACGB)	Polished chrome anodized aluminum (ACG)	Polished copper anodized aluminum (AKG)	Polished nickel anodized aluminum (ATG)	Polished brass anodized aluminum (AMG)
6 - 1/4	A 60 ABGB	A 60 ACGB	A 60 ACG	A 60 AKG	A 60 ATG	A 60 AMG
8 - 5/16	A 80 ABGB	A 80 ACGB	A 80 ACG	A 80 AKG	A 80 ATG	A 80 AMG
10 - 3/8	A 100 ABGB	A 100 ACGB	A 100 ACG	A 100 AKG	A 100 ATG	A 100 AMG
12.5 - 1/2	A 125 ABGB	A 125 ACGB	A 125 ACG	A 125 AKG	A 125 ATG	A 125 AMG

Length supplied: 8' 2-1/2" — 2.5 m

2.3 Schluter®-JOLLY

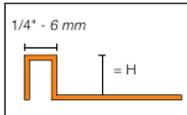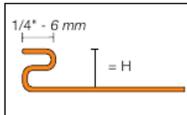| Length = 3.05 m - 10'		
H = mm - in.	Item No.		
	Satin nickel anodized aluminum (AT)	Brushed antique bronze anodized aluminum (ABGB)	Polished chrome anodized aluminum (ACG)
8 - 5/16	A 80 AT/300	A 80 ABGB/300	A 80 ACG/300
10 - 3/8	A 100 AT/300	A 100 ABGB/300	A 100 ACG/300
12.5 - 1/2	A 125 AT/300	A 125 ABGB/300	A 125 ACG/300

Notes:
- Radius available for JOLLY in metal profiles only.
- JOLLY in polished aluminum and chrome-plated brass require a relatively large bending radius.
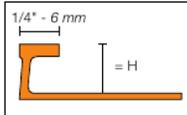
1.6 Schluter®-DECO

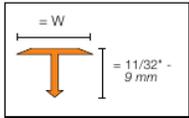| H = mm - in.	Item No.			
	Stainless steel 304 (1.4301 = V2A) (E)	Solid brass (M)	Chrome-plated solid brass (MC)	Satin anodized aluminum (AE)
8 - 5/16	E 80 D	-	MC 80 D	AE 80 D
9 - 11/32	E 90 D	M 90 D	MC 90 D	-
10 - 3/8	E 100 D	-	-	AE 100 D
11 - 7/16	E 110 D	M 110 D	MC 110 D	-
12.5 - 1/2	E 125 D	M 125 D	MC 125 D	AE 125 D
14 - 17/32	E 140 D	-	-	-
16 - 5/8	E 160 D	-	-	-
18.5 - 23/32	E 185 D	-	-	-
21 - 13/16	E 210 D	-	-	-
25 - 1	E 250 D	-	-	-
30 - 1-3/16	E 300 D	-	-	-

Length supplied: 8' 2-1/2" — 2.5 m

Note: Only the brass and aluminum DECO are available in radius.

R = Radius

Aluminum & MC 80 D

1/4" - 6 mm   = H

Brass

1/4" - 6 mm   = H

Stainless steel

1/4" - 6 mm   = H

H = 1/8" - 3/16" (3 - 4.5 mm)

1/8" - 3 mm

H = 1/4" - 1/2" (6 - 12.5 mm)

R = Radius
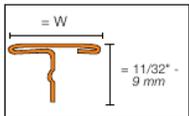
1.3 Schluter®-RENO-T

W = mm - in.	Item No.						
	Stainless steel 304 (1.4301 = V2A) (E)	Brushed stainless steel 304 (1.4301 = V2A) (EB)	Solid brass (M)	Satin anodized aluminum (AE)	Satin nickel anodized aluminum (AT)	Satin copper anodized aluminum (AK)	Satin brass anodized aluminum (AM)
14 - 9/16	T 9/14 E	T 9/14 EB	T 9/14 M	T 9/14 AE	T 9/14 AT	T 9/14 AK	T 9/14 AM
25 - 1	T 9/25 E	T 9/25 EB	T 9/25 M	T 9/25 AE	T 9/25 AT	T 9/25 AK	T 9/25 AM

Length supplied: 8' 2-1/2" — 2.5 m

Aluminum, Brass

= W

= 11/32" - 9 mm

Stainless steel

= W

= 11/32" - 9 mm

1.4 Schluter®-RENO-TK

H = mm - in.	Item No.						
	Stainless steel 304 (1.4301 = V2A) (E)	Brushed stainless steel 304 (1.4301 = V2A) (EB)	Solid brass (M)	Satin anodized aluminum (AE)	Bright chrome anodized aluminum (ACB)	Satin nickel anodized aluminum (AT)	Brushed nickel anodized aluminum (ATGB)
6 - 1/4	-	-	-	AETK 60	ATK 60 ACB	ATK 60 AT	-
8 - 5/16	ETK 80	EBTK 80	MTK 80	AETK 80	ATK 80 ACB	ATK 80 AT	ATK 80 ATGB
10 - 3/8	ETK 100	EBTK 100	MTK 100	AETK 100	ATK 100 ACB	ATK 100 AT	ATK 100 ATGB
11 - 7/16	ETK 110	EBTK 110	-	-	-	-	-
12.5 - 1/2	ETK 125	EBTK 125	MTK 125	AETK 125	ATK 125 ACB	ATK 125 AT	ATK 125 ATGB

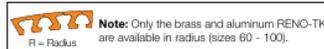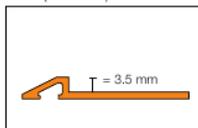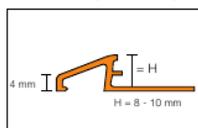| H = mm - in.	Item No.			
	Satin copper anodized aluminum (AK)	Brushed copper anodized aluminum (AKGB)	Brushed antique bronze anodized aluminum (ABGB)	Bright brass anodized aluminum (AMB)
6 - 1/4	ATK 60 AK	-	-	ATK 60 AMB
8 - 5/16	ATK 80 AK	ATK 80 AKGB	ATK 80 ABGB	ATK 80 AMB
10 - 3/8	ATK 100 AK	ATK 100 AKGB	ATK 100 ABGB	ATK 100 AMB
12.5 - 1/2	ATK 125 AK	ATK 125 AKGB	ATK 125 ABGB	ATK 125 AMB

Length supplied: 8' 2-1/2" — 2.5 m

Aluminum (1/4" - 6 mm)

1/4" - 6 mm   = H

Aluminum 5/16" - 3/8" (8 - 10 mm)

1/4" - 6 mm   = H

Aluminum 1/2" (12.5 mm)

1/4" - 6 mm   = H

Stainless steel, Brass

1/4" - 6 mm   = H

♿ ADA-Compliant

R = Radius   **Note:** Only the brass and aluminum RENO-TK are available in radius (sizes 60 - 100).

Diagram Values

L_B

6 mm - 1/4"   = H

H = mm - in.	L_B = mm - in.	
	Aluminum	Stainless steel/ Brass
6 - 1/4	7.5 - 19/64	-
8 - 5/16	8.5 - 21/64	7 - 9/32
10 - 3/8	8.5 - 21/64	11 - 7/16
11 - 7/16	-	13.5 - 17/32
12.5 - 1/2	15.5 - 39/64	16.5 - 21/32

1.2 Schluter®-RENO-U
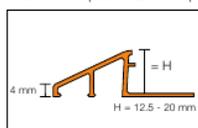
Aluminum
1/8" (3.5 mm)

5/16" - 3/8" (8 - 10 mm)

1/2" - 3/4" (12.5 - 20 mm)

Stainless steel, Brass

H = mm - in.	Item No.						
	Stainless steel 304 (1.4301 = V2A) (E)	Brushed stainless steel 304 (1.4301 = V2A) (EB)	Solid brass (M)	Satin anodized aluminum (AE)	Bright chrome anodized aluminum (ACB)	Satin nickel anodized aluminum (AT)	Brushed nickel anodized aluminum (ATGB)
3.5 - 1/8	-	-	-	AEU 35	-	-	-
8 - 5/16	EU 80	EBU 80	MU 80	AEU 80	AU 80 ACB	AU 80 AT	AU 80 ATGB
10 - 3/8	EU 100	EBU 100	MU 100	AEU 100	AU 100 ACB	AU 100 AT	AU 100 ATGB
11 - 7/16	EU 110	EBU 110	-	-	-	-	-
12.5 - 1/2	EU 125	EBU 125	MU 125	AEU 125	AU 125 ACB	AU 125 AT	AU 125 ATGB
15 - 9/16	EU 150	EBU 150	MU 150	AEU 150	-	-	-
17.5 - 11/16	EU 175	EBU 175	-	AEU 175	-	-	-
20 - 3/4	EU 200	EBU 200	-	-	-	-	-

| H = mm - in.	Item No.				
	Satin copper anodized aluminum (AK)	Brushed copper anodized aluminum (AKGB)	Brushed antique bronze anodized aluminum (ABGB)	Satin brass anodized aluminum (AM)	Bright brass anodized aluminum (AMB)
8 - 5/16	AU 80 AK	AU 80 AKGB	AU 80 ABGB	AU 80 AM	AU 80 AMB
10 - 3/8	AU 100 AK	AU 100 AKGB	AU 100 ABGB	AU 100 AM	AU 100 AMB
12.5 - 1/2	AU 125 AK	AU 125 AKGB	AU 125 ABGB	AU 125 AM	AU 125 AMB

**Length supplied:** 8' 2-1/2" — 2.5 m

♿ ADA-Compliant

Note: When leading edge abuts lower surface covering, sizes 3/4" (20 mm) and 11/16" (17.5 mm) are not ADA-compliant. When leading edge rests on top of lower surface covering, sizes 3/4" (20 mm), 9/16" (15 mm), and 11/16" (12.5 mm) are not ADA-compliant.

Diagram Values
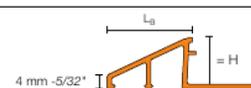
H = mm - in.	L_B = mm - in.	
	Aluminum	Stainless steel/Brass
3.5 - 1/8	9 - 23/64	-
8 - 5/16	12.5 - 31/64	13 - 33/64
10 - 3/8	16.5 - 21/32	17.5 - 11/16
11 - 7/16	-	19.5 - 49/64
12.5 - 1/2	22 - 55/64	23 - 29/32
15 - 9/16	27.5 - 1-5/64	28 - 1-7/64
17.5 - 11/16	27 - 1-1/16	33.5 - 1-5/16
20 - 3/4	31.5 - 1-15/64	40 - 1-37/64
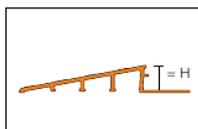
1.8 Schluter®-RENO-RAMP

H = mm - in.	Item No.
	Satin anodized aluminum (AE)
B = 50 mm - 2"	
6 - 1/4	AERP 60 B50
B = 64 mm - 2-1/2"	
10 - 3/8	AERP 100 B65
12.5 - 1/2	AERP 125 B65
B = 89 mm - 3-1/2"	
12.5 - 1/2	AERP 125 B90
15 - 9/16	AERP 150 B90
20 - 3/4	AERP 200 B90

Length supplied: 8' 2-1/2" — 2.5 m

♿ ADA-Compliant

Note: RENO-RAMP sizes 3/4" - 20 mm and 9/16" - 15 mm are not ADA-compliant.
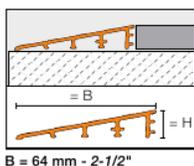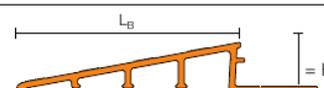
1.8 Schluter®-RENO-RAMP-K

H = mm - in.	Item No.
	Satin anodized aluminum (AE)
B = 64 mm - 2-1/2"	
12.5 - 1/2	AERPK 125 B65

Length supplied: 8' 2-1/2" — 2.5 m

Diagram Values

Length supplied: 8' 2-1/2" — 2.5 m

H = mm - in.	L_B = mm - in.
6 - 1/4	50 - 2
10 - 3/8	64 - 2-1/2
12.5 - 1/2	64 - 2-1/2
12.5 - 1/2	89 - 3-1/2
15 - 9/16	89 - 3-1/2
20 - 3/4	89 - 3-1/2
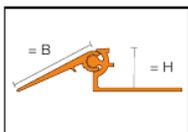
1.7 Schluter®-RENO-V

H = mm - in.	Item No.	
	Satin anodized aluminum (AE)	Satin brass anodized aluminum (AM)
B = 20 mm - 3/4"		
8 - 5/16	AEVT 80 B20	AVT 80 B20 AM
10 - 3/8	AEVT 100 B20	AVT 100 B20 AM
12.5 - 1/2	AEVT 125 B20	AVT 125 B20 AM
15 - 9/16	AEVT 150 B20	AVT 150 B20 AM
17.5 - 11/16	AEVT 175 B20	AVT 175 B20 AM
20 - 3/4	AEVT 200 B20	AVT 200 B20 AM
B = 30 mm - 1-3/16"		
8 - 5/16	AEVT 80 B30	AVT 80 B30 AM
10 - 3/8	AEVT 100 B30	AVT 100 B30 AM
12.5 - 1/2	AEVT 125 B30	AVT 125 B30 AM
15 - 9/16	AEVT 150 B30	AVT 150 B30 AM
17.5 - 11/16	AEVT 175 B30	AVT 175 B30 AM
20 - 3/4	AEVT 200 B30	AVT 200 B30 AM
B = 40 mm - 1-9/16"		
8 - 5/16	AEVT 80 B40	AVT 80 B40 AM
10 - 3/8	AEVT 100 B40	AVT 100 B40 AM
12.5 - 1/2	AEVT 125 B40	AVT 125 B40 AM
15 - 9/16	AEVT 150 B40	AVT 150 B40 AM
17.5 - 11/16	AEVT 175 B40	AVT 175 B40 AM
20 - 3/4	AEVT 200 B40	AVT 200 B40 AM

Length supplied: 8' 2-1/2" — 2.5 m
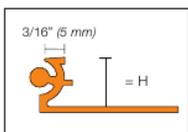
1.7 Schluter®-RENO-VT

H = mm - in.	Item No.	
	Satin anodized aluminum (AE)	Satin brass anodized aluminum (AM)
8 - 5/16	AEVT 80	AVT 80 AM
10 - 3/8	AEVT 100	AVT 100 AM
12.5 - 1/2	AEVT 125	AVT 125 AM
15 - 9/16	AEVT 150	AVT 150 AM
17.5 - 11/16	AEVT 175	AVT 175 AM
20 - 3/4	AEVT 200	AVT 200 AM

Length supplied: 8' 2-1/2" — 2.5 m
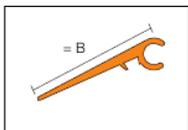
1.7 Schluter®-RENO-VB

B = mm - in.	Item No.	
	Satin anodized aluminum (AE)	Satin brass anodized aluminum (AM)
20 - 3/4	AEVB 20	AVB 20 AM
30 - 1-3/16	AEVB 30	AVB 30 AM
40 - 1-9/16	AEVB 40	AVB 40 AM

Length supplied: 8' 2-1/2" — 2.5 m

Schluter® Systems Floor Profiles 5-Year Limited Warranty

LIMITED WARRANTY COVERAGE: Subject to the conditions and limitations as stated in this **Schluter® Systems Floor Profiles 5-Year Limited Warranty** (the "**Limited Warranty**"), Schluter Systems warrants that its Schluter®-SCHIENE, Schluter®-JOLLY, Schluter®-RENO-TK, Schluter®-DECO, Schluter®-RENO-U, Schluter®-RENO-T, Schluter®-RENO-RAMP, Schluter®-RENO-RAMP-K, and Schluter®-RENO-V (collectively, the "**Products**") will be free from manufacturing defects and will perform as described in the Schluter Systems Floor Profiles Technical Data Sheet (collectively, the "**Written Materials**"[1]) for a period of five (5) years from the date of purchase when installed and used in accordance with the terms and conditions of the Written Materials and industry standard guidelines that are not in conflict with the Written Materials in effect at the time of installation.

For the purposes of this Limited Warranty, "**Owner**" is defined as the original end user of the property in which the Products are installed; and "**Tile Assembly**" is defined to include the Products, non-reusable flooring surfaces, and applicable setting and grouting materials.

This Limited Warranty is only applicable to installations in the United States of America and Canada. Schluter Systems is not responsible or liable under any circumstances for determining the suitability of the Products for the Owner's intended purpose. It is the responsibility of the Owner to consult with an experienced and professional installer to ensure the suitability of the Products, subfloor/substrate and all building materials in the installation and that the Written Materials are followed properly.

RESOLUTION: If the Products are installed and used in accordance with the terms and conditions as described hereinabove and such Products are proven defective within the applicable warranty term, the Owner's exclusive remedy and the sole obligation of Schluter Systems, at its election, shall be to (a) reinstall or replace the failed portion of the Tile Assembly or (b) pay an amount not to exceed the original square foot cost of the installation of the Tile Assembly verified to be defective. Due to conditions beyond the control of Schluter Systems (e.g., color and shade availability, discontinuation, normal wear and tear), Schluter Systems cannot guarantee or warrant an exact match to the specific tile, stone, or other flooring materials used in the original installation. In such event, substantially similar materials may be substituted.

EXCLUSIONS FROM COVERAGE: This Limited Warranty excludes and in no event shall Schluter Systems have any liability for any indirect, special, incidental, punitive, exemplary, or consequential damages, including lost profits, arising out of or otherwise connected to the failure of the Products or Tile Assembly, regardless of any strict liability or active or passive negligence of Schluter Systems, and regardless of legal theory, whether in contract, tort, extra-contractual or other. This Limited Warranty further excludes any loss or damage arising out of or otherwise connected to: acts of war, terrorism, fire, explosion, natural disaster, acts of God, any failure to comply with the Written Materials, inadequate subfloor/substrate, improper preparation or other failure of subfloor/substrate, faulty or negligent penetration of the Products or subfloor/substrate, intentional acts of destruction, structural failure, misuse of or failure to maintain the Products, normal wear and tear, scratches, dents, corrosion or discoloration (whether caused by excessive heat, chemical cleaning products, abrasive agents or otherwise), efflorescence and shading which are a natural occurrence with cementitious materials and are not considered a defective condition for the purposes of this Limited Warranty, variations of texture, color or shade from those on product samples, packaging materials or other marketing materials, or other causes unrelated to the Products (e.g. floor covering failure, excess point loading, overvoltage). This Limited Warranty excludes exterior applications and applications utilizing glass tile or other non-approved floor coverings, unless specifically approved in writing on a case by case basis by the Schluter Systems Technical Services Director.

This Limited Warranty is conditioned and will be considered null and void and Schluter Systems will have the right to refuse any claims if: (a) the Products have been improperly stored or installed, or (b) the Products are subject to abusive or abnormal use, lack of maintenance, or used in a manner other than that for which the Products were designed or in any way contrary to the Written Materials.

DISCLAIMER: There are no warranties beyond this expressed warranty as stated herein. To the extent permitted by law, all other warranties, representations or conditions, expressed or implied, are hereby disclaimed and excluded, including but not limited to the implied warranties of **MERCHANTABILITY** or **FITNESS FOR A PARTICULAR PURPOSE** (as limited to such purposes as described in the Written Materials) or arising from a course of dealing, usage of trade or otherwise by law. ANY IMPLIED WARRANTIES ARISING BY OPERATION OF LAW ARE LIMITED IN DURATION TO THE TERM OF THIS LIMITED WARRANTY. NO REPRESENTATION, PROMISE, AFFIRMATION OR STATEMENT BY ANY EMPLOYEE OR AGENT OF SCHLUTER SYSTEMS WILL BE ENFORCEABLE AGAINST SCHLUTER SYSTEMS UNLESS IT IS SPECIFICALLY INCLUDED IN THIS LIMITED WARRANTY OR AUTHORIZED IN WRITING BY THE SCHLUTER SYSTEMS TECHNICAL SERVICES DIRECTOR. This Limited Warranty is given in lieu of any other warranty, whether expressed or implied. The remedies contained herein are the only remedies available for breach of this Limited Warranty. This Limited Warranty extends only to the Owner and is not transferable or assignable unless authorized by written agreement and signed by the Schluter Systems Technical Services Director or otherwise prohibited by specific state or provincial law. This Limited Warranty gives you specific legal rights; some states and provinces do not allow disclaimers or other restrictions of implied warranties; some of the above disclaimers may not apply to you. **No changes or modifications of any terms or conditions of this Limited Warranty are permitted unless duly authorized in writing by the Schluter Systems Technical Services Director.** This Limited Warranty shall supersede and replace any and all prior oral or written warranties, agreements, or other representations made by or on behalf of Schluter Systems relative to the Products or the application of the Products and shall apply to any installation occurring on or after April 8, 2019. If the Products are used in conjunction with other Schluter products, a different Schluter warranty may apply. For the most current information and materials regarding Schluter Systems warranties and programs, please visit https://www.schluter.com/schluter-us/en_US/downloadfiles.

MAKING A CLAIM: To make a claim under this Limited Warranty, the Owner must provide Schluter Systems[2] with written notice within thirty (30) days of any alleged defect in the Products covered by this Limited Warranty, together with date and proof of purchase of such Products and/or all of its components and name and address of all installers and all invoices related to the original installation, failing which this Limited Warranty shall have no legal effect[3]. Schluter Systems reserves the right at its election and as a condition of this Limited Warranty to inspect the alleged failed and/or defective Products.

All U.S. Claims shall be sent to:

Schluter Systems L.P.
Attn: Warranty Claims Dept.
194 Pleasant Ridge Road
Plattsburgh, NY 12901-5841

All Canadian Claims shall be sent to:

Schluter Systems (Canada), Inc.
Attn: Warranty Claims Dept.
21100 chemin Ste-Marie
Ste-Anne-de-Bellevue, QC H9X 3Y8

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[1] If there are any conflicting terms between any Written Materials, the most recently updated document shall be deemed to control.

[2] This Limited Warranty is limited to sales of the Products made in and intended for use in the United States and Canada. For the purposes of this Limited Warranty, Schluter Systems L.P. shall offer warranty coverage to Owners located in the United States, and Schluter Systems (Canada) Inc. shall offer warranty coverage to Owners located in Canada.

[3] In the event that Owner fails to provide such required invoices relating to the original installation, Schluter Systems shall pay Owner an amount equal to the average, reasonable costs of a comparable installation. If the parties fail to agree on such amount, such dispute shall promptly, and in the first instance, be submitted: (a) if a U.S. claim, to arbitration in Clinton County, New York, in accordance with the rules of the American Arbitration Association, or (b) if a Canadian claim, in the Province of Quebec, Canada, in accordance with the ADRIC Arbitration Rules. Any outcome of such arbitration proceeding shall be final and binding upon the parties hereto.

www.schluter.com

This technical data sheet is subject to change without notice. Please visit www.schluter.com for the latest version.

WP - Wall Panels

WALL PANELS

TBD

Manufacturer:
Style/Series:

Attributes

TBD

DIMENSIONS

MATERIAL / FINISH

PERFORMANCE

TBD