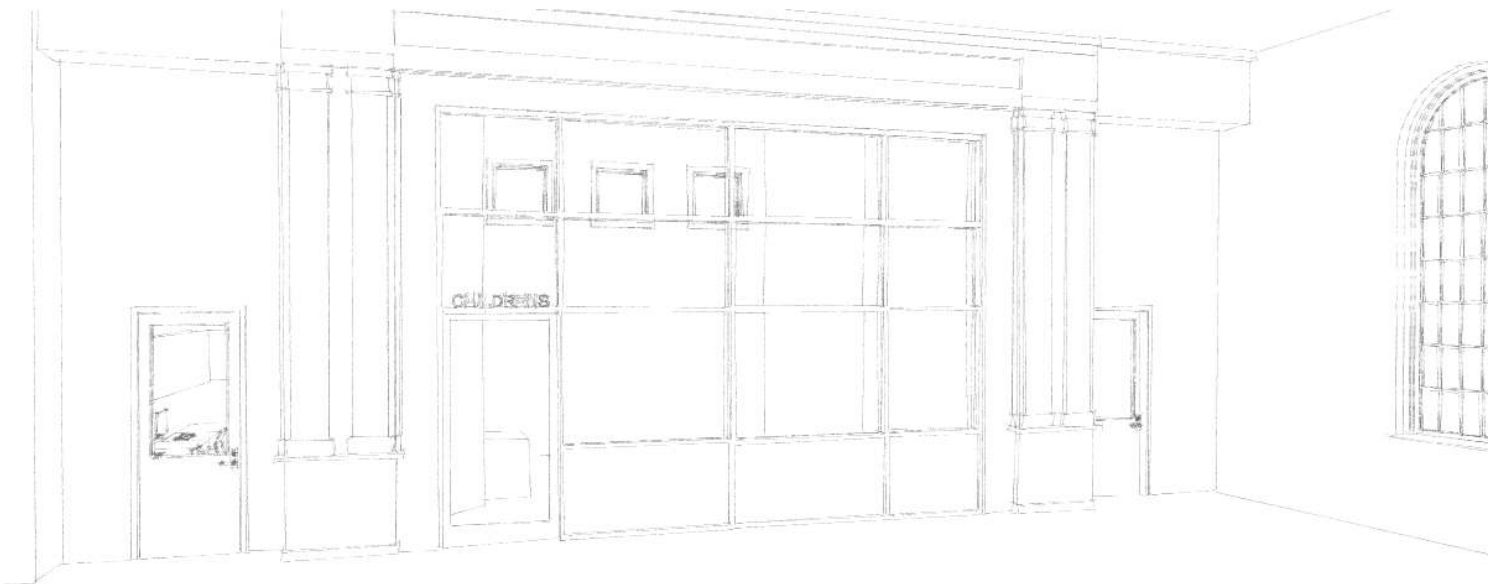




# Sausalito Library Remodel

420 Litho Street. Sausalito, CA



## Library Remodel Fixture Specifications

## SAUSALITO LIBRARY REMODEL

### SPECIFICATIONS

Page 2 **Specifications List**

Page 3 **E1** Lite Control Wall Mounted Fixture

Page 10 **E1** Lite Control Ceiling Pendant

Page 13 **E3** Lithonia 2x2 Light Fixture

Page 15 **Armstrong** Ceiling Tiles

Page 19 **Armstrong** Ceiling Prelude Suspension System

## Specifications

Window 01.....Blomberg Series 880 Fixed Unit w/ Bronze Finish

(see sheet A2.0)

Window 02.....Blomberg Series 880 Fixed Unit w/ Bronze Finish

(see sheet A2.0)

Window 03.....Blomberg Series 880 Fixed Unit w/ Bronze Finish

(see sheet A2.0)

Window 04.....Blomberg Series 880 Fixed Unit w/ Bronze Finish (see sheet A2.0)

Window 05.....CW250 Old Castle store front system (see sheet A2.0)

Door Unit A.....Integral w/ CW250 Old Castle store front system (see sheet A2.0)

Door Unit B.....Steel Craft L-Series (see page 8 & sheet A2.0)

Door Unit C.....Steel Craft L-Series (see page 8 & sheet A2.0)

Door Unit B.....Steel Craft L-Series (see page 8 & sheet A2.0)

E1 Light Fixture.....LiteControl Wall Mounted Fixture (See page 2 & sheet A4.0)

E2 Light Fixture.....LiteControl Ceiling Pendant Fixture (See page 9 & sheet A4.0)

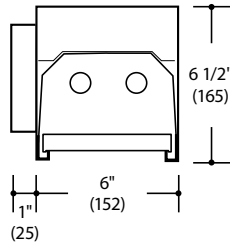
E3 Light Fixture.....Lithonia Lighting Ceiling Fixture (See page 12 & sheet A4.0)

Office Ceiling System..Armstrong Ceiling System (See page 14, 18 & sheet A4.0)

E4 Floor Receptacle...Carlson Floor Box (See page 20 & sheet A4.0)



W-D-66N



## Mod™ 66

W-D-66N, W-ID-66N,  
W-ADW-66N (chalkboard)  
Wall-Mounted

### Product Description

Linear modular luminaire which offers a variety of distributions and shielding options. UL Listed. This fixture is Cradle to Cradle Silver Certified™ by MBDC.

## Ordering Guide

Product, lamping, & length					
W -		66N			T8 -
Mounting	Distribution	Series	Lamp Count	Nominal Length(ft)	Lamp Type
<b>W</b> Wall-Mounted	<b>D</b> Direct <b>ID</b> Indirect/Direct <b>ADW</b> * Asymmetric Direct	<b>66N</b>	1, 2 → 1, 2 → 1, 2 → 2, 4 → 2, 4 →	2 3 4 6 8	<b>T8</b>
			see notes		

Options					
Baffle or Diffuser	Finish	Ballast	Tandem Wiring	Other Options	Volts
<b>BW</b> <b>FP</b> <b>PARSS</b> (1-lamp D only) <b>PBSS</b> <b>XA</b> <b>6044</b> (ADW only)  see <b>Baffle and Diffusers Options</b>	<b>CWM</b> (matte white) is standard  see website for other <b>Product Finishes</b>	<b>ELB10</b> is standard <b>DA/MK7</b> <b>DL/HL3D</b> <b>DO/HEL</b>  see <b>Ballast Options</b>	-- <b>TW</b>  see notes	<b>F</b> <b>EF</b> <b>WCB</b> see <b>Other Options</b>	<b>120</b> <b>277</b>
<p><b>notes:</b> Lamp count = total number of lamps in the fixture Tandem wiring not available for one-lamp cross-section fixtures *W-ADW-66N available in one-lamp cross-section only <b>For ordering Guide information in shaded areas, choose selection by reading ACROSS the shaded areas for correct specifications.</b></p>					

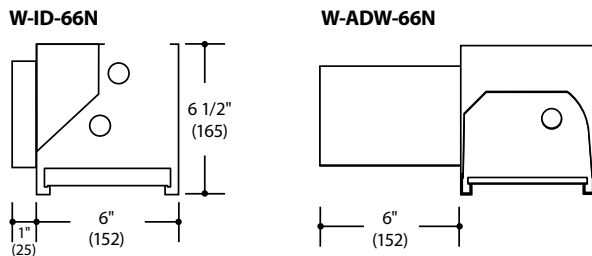
**W-D-66N24T8-BW-CWM-ELB10-TW-F-120** is a typical catalog number for a 2-lamp (2 lamps in cross-section), 4-foot long T8 fixture with white blade baffle, matte white finish, electronic ballast, tandem-wired, fuse, 120 volts.

**W-ADW-66N14T8-6044-CWM-ELB10-TW-WCB-F-120** is a typical catalog number for a 1-lamp (1-lamp in cross-section), 4-foot long T8 fixture with a 6044 lens, matte white finish, electronic ballast, tandem-wired chalkboard mounting brackets, fuse, 120 volts.

Cross-section lamping					
W-D-66N		W-ID-66N		W-ADW-66N	
1-T8	1-T8	2-T8	1-T8	2-T8	1-T8
<b>PARSS</b>					

## Baffle & Diffuser Options

<b>BW</b>	Blade white baffles with matte white finish.
<b>FP</b>	Flat plastic white acrylic lens, regressed.
<b>PARSS</b>	Parabolic semi-specular reflector baffle. <b>For W-D-66N one-lamp cross-section only.</b>
<b>PBSS</b>	Parabolic semi-specular baffle. 1.4" high x 2" OC.
<b>XA</b>	Extruded acrylic lens, with conical prisms, regressed.
<b>6044</b>	Asymmetric lens to direct light towards wall. <b>W-ADW-66N only.</b>



## Ballast Options

Specify in place of **ELB10**, contact factory for availability/compatibility with lamping:  
**DA/MK7** Advance Mark VII dimming ballast.  
**DL/HL3D** Lutron Hi-lume 3D dimming ballast  
**DO/HEL** Osram Sylvania dimming ballast.

## Other Options

<b>F</b>	Fuse. Slow or fast blow, determined by Litecontrol.
<b>EF</b>	Emergency Fluorescent Ballast. Battery-powered ballast from a UL Listed manufacturer will operate one lamp for 1 1/2 hours.
<b>WCB</b>	Wall bracket for chalkboard lighting. Only available with ADW distribution.

### Questions to Ask

1. Row information, including desired fixture lengths?
2. Diffuser type? 3. White finish or other? 4. Ballast options?
5. Controls solutions? 6. Other options? 7. 120 or 277 volt?



## Specifications

**HOUSING.** Die-formed and welded steel, with 3/8" regression at housing bottom for rigidity and appearance, furnished with 6" long, 20-gauge steel splines for precise alignment at each joint. End headers have clearance holes for easy row installation and are notched under lamps for more even diffuser luminance and continuous baffle appearance. **W-ID-66N.** Three-inch wide opening in housing top provides 36-50% uplight ceiling and wall illumination.

**END CAPS.** Steel, 14-gauge, with no holes or knockouts, finished to match housing. Four fasteners on each end cap allow tight attachment to ends of individual fixtures and ends of rows.

**REFLECTOR.** W-D-66N. Standard: Die-formed steel with high-reflectance white finish. Parabolic Reflector/Baffle (**PARSS**): Die-formed semi-specular anodized aluminum reflector and baffle assembly. W-ID-66N. Die-formed steel with high-reflectance white finish. W-ADW-66N. Die-formed semi-specular aluminum (on lamp side) and die-formed steel with high-reflectance white finish.

**LAMPING.** Available in one- and two-lamp T8.

**BALLAST.** Electronic Ballast (**ELB10**), high power factor, thermally protected Class P, Sound Rated A, less than 10% THD, manufactured by a UL Listed manufacturer, as available, determined by Litecontrol. Ballasts with a voltage range of 120 to 277 will be used when fixture configuration and ballast availability allow. The minimum number of ballasts will be used.

**TANDEM WIRING.** When selected from Ordering Guide below, fixtures wired to switch in-line lamps separately, providing two levels of light (two-lamp cross-section fixtures only).

**BALLAST DISCONNECT.** Fixture supplied with a ballast disconnect device to enable compliance with the NEC.

**SYSTEM CONNECTORS.** Corners and straight extensions available. Die-formed steel. Bottom and exposed sides to be smooth with no exposed fasteners or knockouts. See Field Measurement Procedure for instructions.

**MOUNTING.** Provided with two wall-mounting brackets measuring 4 1/2" square x 1" deep. Finish is matte white (**CWM**). **W-ADW-66N.** Provided with two wall-mounting brackets (**WCB**) measuring 4 1/2" x 6" deep, finished to match housing.

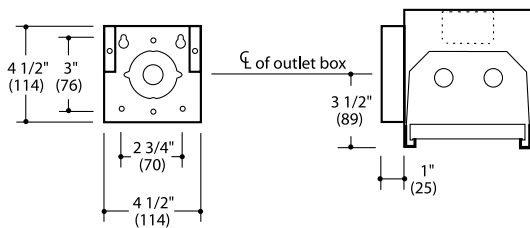
**CERTIFICATION.** Fixture and electrical components are UL and/or CUL Listed (UL LISTED), and bear the I.B.E.W., A.F. of L. label. This fixture is Cradle to Cradle Certified™ Silver by MBDC. Note: Litecontrol reserves the right to change specifications without notice for product development and improvement.

## Planning for Installation (W-D-66N and W-ID-66N)

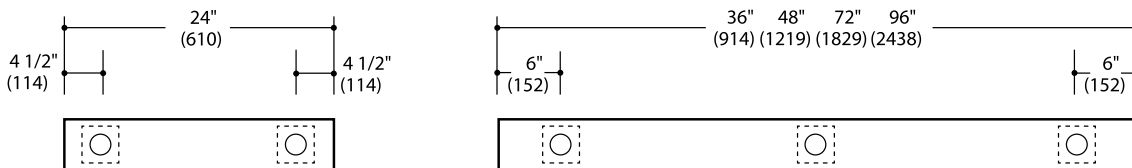
For special system connectors needed to exactly fill a wall or follow a perimeter, field-measured dimensions may be required from the job site. Minimum SE length is 3.25". Please refer to Field Measurement Procedure for instructions.

### Wall brackets

W-D-66N and W-ID-66N



### Individual fixtures

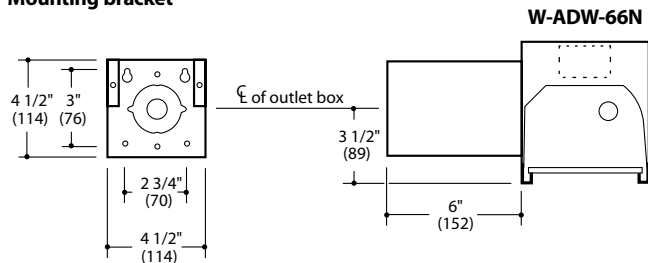


Indicates wall mounting bracket location

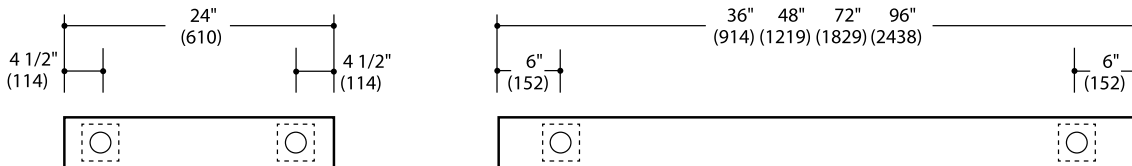
○ 2 1/2" diameter knockout (in fixture)

## Planning for Installation Chalkboard (W-ADW-66N)

### Mounting bracket

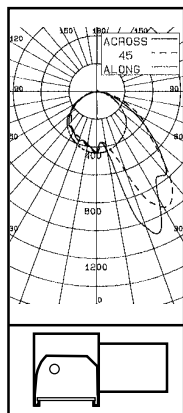


### Individual fixtures



- Indicates wall mounting bracket location
- 2 1/2" diameter knockout (in fixture)

## Photometric data Wall Asymmetric Direct 1-T8



CANDLEPOWER SUMMARY						
ANGLE	0	22.5	45	67.5	90	OUTPUT LUMENS
90	1	0	0	0	1	
85	9	9	18	30	24	23
80	27	33	46	73	54	
75	54	59	75	129	94	89
70	94	93	105	199	151	
65	143	128	138	276	222	179
60	189	166	174	358	311	
55	217	204	216	428	417	265
50	247	235	260	492	531	
45	280	259	299	643	662	321
40	311	285	328	820	773	
35	315	317	351	941	749	317
30	331	344	372	959	882	
25	360	346	389	858	1092	257
20	378	355	406	618	1036	
15	365	374	420	458	726	129
10	383	397	432	387	437	
5	410	419	438	370	365	40
0	438	438	438	438	438	

W-ADW-66N14T8-6044 55.7% Efficiency																		
Litecontrol Certified Test Report #17811070																		
RCC	80			70			50			30			0					
	70	50	30	10	70	50	30	10	50	30	10	50		30	10			
RCR																		
0	.66	.66	.66	.66	.65	.65	.65	.65	.62	.62	.62	.59	.59	.59	.57	.57	.57	.56
1	.61	.59	.57	.55	.60	.58	.56	.54	.55	.54	.52	.53	.52	.51	.51	.50	.49	.48
2	.56	.52	.49	.46	.55	.51	.48	.45	.49	.46	.44	.47	.45	.43	.46	.44	.42	.41
3	.52	.46	.42	.39	.50	.45	.41	.38	.44	.40	.38	.42	.39	.37	.41	.38	.36	.35
4	.47	.41	.36	.33	.46	.40	.36	.33	.39	.35	.32	.38	.34	.32	.36	.34	.31	.30
5	.43	.36	.31	.28	.42	.36	.31	.28	.34	.30	.27	.33	.30	.27	.32	.29	.27	.26
6	.40	.32	.28	.24	.39	.32	.27	.24	.31	.27	.24	.30	.26	.23	.29	.26	.23	.22
7	.36	.29	.24	.21	.36	.29	.24	.21	.28	.23	.21	.27	.23	.20	.26	.23	.20	.19
8	.33	.26	.21	.18	.33	.25	.21	.18	.25	.21	.18	.24	.20	.17	.23	.20	.17	.16
9	.31	.23	.18	.15	.30	.23	.18	.15	.22	.18	.15	.21	.18	.15	.21	.17	.15	.14
10	.28	.21	.16	.13	.28	.21	.16	.13	.20	.16	.13	.19	.16	.13	.19	.15	.13	.12
Floor Cavity Reflectance													.20					

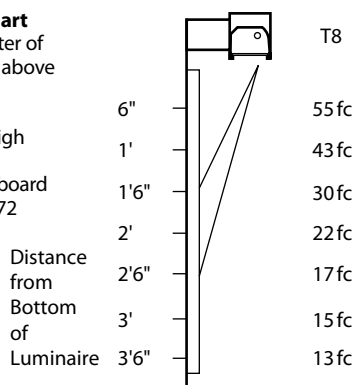
ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
180-90°	0	0	0
90-0°	1615	55.72	100
180-0°	1615	55.72	100

LUMINANCE SUMMARY (fL)					
ANGLE	0°	45°	90°	135°	180°
45°	623	578	664	1434	1477
55°	595	561	590	1178	1147
65°	532	478	513	1028	829
75°	330	356	457	784	571
85°	163	163	327	551	439

Room Surface Illuminance on Wall

**Vertical illuminance chart**  
Values calculated at center of 12-foot row mounted 7' above the floor.

Room size: 8' x 12' x 9' high  
Reflectances: 80/70/20;  
30% chalkboard  
Total Light Loss Factor: .72



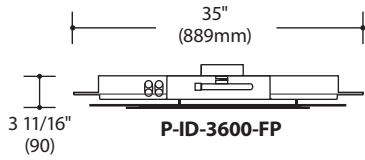












## Echelon™

P-ID-3600

Pendant-Mounted Indirect/Direct

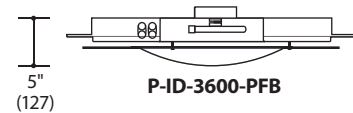
### Product Description

A member of the Inde-Pendant™ family this round indirect/direct pendant fixture is layered spun steel with either a flat acrylic lens or perforated steel basket. UL Listed. This fixture is Cradle to Cradle Silver Certified™ by MBDC.

## Ordering Guide

Product, lampping, & length							Options				
P -	ID -	36 -	3	0	BX39 /	21-2D	FP-	TCWM -	ELB10 -	F -	120
Mounting	Distribution	Series	Lamp Count	Nominal Length(ft)	Indirect Lamp Type	Direct Lamp Type	Diffuser	Finish	Ballast	Other Options	Volts
<b>P</b> Pendant-mounted	<b>ID</b> Indirect/ Direct	<b>36</b>	<b>3, 6 →</b>	<b>0</b>	<b>BX39</b> <b>BX40</b> <b>BX50</b> <b>BX55</b>	<b>21-2D</b> <b>38-2D</b>	<b>FP</b> <b>PFB</b>  see <b>Diffuser</b> <b>Options</b>	<b>TCWM</b> (textured matte white) is standard  see <b>LiteColors™</b> for other finishes	<b>ELB10</b> (electronic ballast)  see <b>notes</b>	<b>EF</b> <b>F</b> <b>LK</b> see <b>Other options</b>	<b>120</b> <b>277</b>
<b>SUSPENSION P6S/ACC X"</b> See Planning for Installation for description. Specify Dimension "X" from ceiling to top of fixture with order.							<b>notes:</b> For dimming, please contact factory to determine availability of ballast types and wiring options. For ordering guide information in shaded areas, choose selection by reading <b>ACROSS</b> the shaded areas for correct specifications.				

**P-ID-3630BX39/21-2D-FP-TCWM-ELB-F-120-P6S/ACC24"** is a typical catalog number for a 3-lamp indirect 39-watt twin-tube compact fluorescent and 1-lamp direct 21-watt 2D compact fluorescent fixture with flat plastic diffuser, textured matte white finish, electronic ballast, fuse 120 volts, and combination stem/cable mounting with 24" suspension.



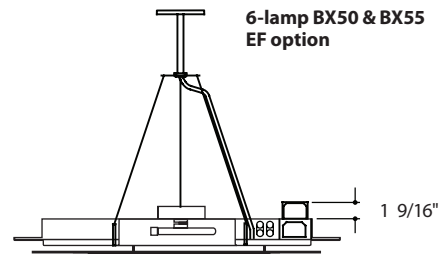
## Diffuser Options

- FP** Flat Diffuser. White acrylic, 1/8" thick.  
**PFB** Perforated Bowl. 18" diameter, 2" deep, 36% open.

## Other Options

- EF** Emergency Fluorescent Ballast for BX39 and BX40\*. Battery-powered ballast from a UL Listed manufacturer will operate one twin-tube compact fluorescent lamp for 1 1/2 hours. Some lampping combinations cannot accommodate an EF ballast.  
**F** Fuse. Slow or fast blow, determined by Litecontrol.  
**LK** Lens kit dust cover

\* For EF option with 6-lamp BX, a battery pack and visible cover may be mounted to the top of the fixture. This condition also applies for some dimming ballast configurations. Contact factory for details.



## Questions to Ask

- Lamp type?
- Diffuser type?
- White finish or special color?
- Other options?
- 120 or 277 volt?
- Suspension length?

Click on  
**Quick Find 36**



litecontrol.com

## Specifications

**HOUSING.** Bottom housing is 35" in diameter, 16-gauge spun steel, with a 12 1/2" diameter opening in the middle. Recessed upper housing is 20-gauge spun steel. The housing incorporates a 2D direct lamp in the center of the fixture and is available with a choice of two diffusers. **P-ID-3600-FP** has a flat, 1/8" acrylic diffuser (**FP**) between two 1/8" thick aluminum rings, 30 3/4" and 22" diameter respectively. **P-ID-3600-PFB** has a perforated bowl (**PFB**), 20-gauge spun steel, 2" deep, with 5/64" staggered holes, 36% open, supported by the 30 3/4" diameter suspended ring. The perforated bowl assembly includes an acrylic diffusing sheet.


**REFLECTOR.** Die-formed specular hammertone aluminum.

**LAMPING.** The uplight component can accommodate three or six 39-, 40-, 50-, or 55-watt twin-tube compact fluorescent lamps. These lamps are 4-pin high lumen lamps. The downlight component can accommodate one 21- or 38-watt 2D lamp.

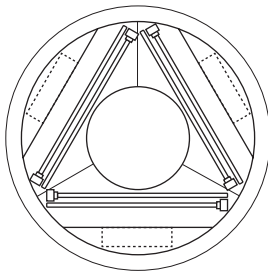
**BALLAST.** Electronic Ballast (**ELB10**), high power factor, thermally protected Class P, Sound Rated A, manufactured by a UL Listed manufacturer, as available, determined by Litecontrol. The minimum number of ballasts will be used.

**BALLAST DISCONNECT.** Fixture supplied with a ballast disconnect device to enable compliance with the NEC.

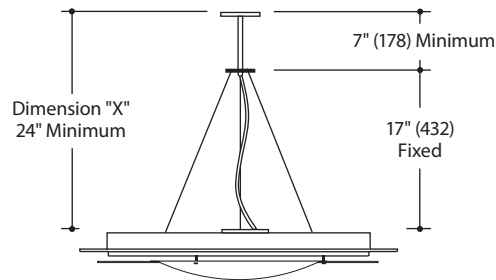
**SUSPENSION.** Each fixture is suspended with one P6S stem (5/8" dia., 3/8" NPT) connected to three aircraft cables with an intermediate retaining plate. The minimum recommended total suspension length is 24".

**CERTIFICATION.** Fixture and electrical components are UL and/or CUL Listed , and bear the I.B.E.W., A.F. of L. label. This fixture is Cradle to Cradle Certified<sup>CM</sup> Silver by MBDC. Note: Litecontrol reserves the right to change specifications without notice for product development and improvement.

## Planning for installation



PLAN VIEW



### SUSPENSION ASSEMBLY & MOUNTING P6S/ACC

Provided with a combination P6S (5/8" diameter) stem and three-cable (3/32" diameter aircraft cable) assembly. The stem mounts to a 3 1/2" octagonal x 2 1/8" deep outlet box independently supported above the ceiling plane. The outlet box is then covered by a 5" diameter x 1/4" deep canopy (provided).

### SUSPENSION LENGTH

Per the diagram above, specify the dimension "X" for ceiling-to-top-of-fixture suspension length. Standard lengths for dimension "X" available for Echelon are: 24" and 36".

The standard length of the aircraft portion of the suspension is 17", and the stem length will be determined by Litecontrol to complete the specified total suspension dimension "X". The aircraft cable attachments provide vertical adjustment to the overall suspension of about 1". For special suspension requirements, including dimensions "X" other than those listed above, contact factory.



## FEATURES & SPECIFICATIONS

**INTENDED USE** — The TLED combines digital lighting and control technologies with a high-performance optical system to deliver general ambient lighting for many applications such as schools, offices and hospitals. High-efficiency light engine delivers long life and excellent color, ensuring a superior quality light installation that is highly efficient and sustainable. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

**CONSTRUCTION** — Housing formed from cold-rolled steel. Housing is painted after fabrication for superior finish.

Smooth hemmed sides and smooth inward-formed end flanges, for easy handling.

Standard extruded aluminum door frame has superior structural integrity with premium appearance and mitered corners. Door frame is painted after fabrication, standard. Powder-painted rotary cam latches provide easy, secure door closure. Integral T-bar clips are standard. Acrylic shielding material is 100% UV stabilized.

**OPTICS** — Standard pattern #19 lens, 0.156" thick with highly transmissive overlay, is standard for superior brightness control. Overlay is 0.040" thick. Other lenses are available.

**ELECTRICAL** — Long-life LEDs, coupled with high-efficiency drivers, provide superior level and quality of illumination for extended service life. TLED is rated to deliver L80 performance for 50,000 hours.

Standard nLight® embedded controls continuously monitor system performance, allow for constant lumen management/compensation function, facilitate simple "plug-and-play" network and controls upgrading via Cat-5 cable.

LED Accudrive™ driver, delivers full-range dimming from 0-10V control signal.

Ballast disconnect is provided where required to comply with U.S. and Canadian codes.

**INSTALLATION** — Drivers and internal components are accessible from floor. LED boards include plug-in connectors for easy replacement or servicing. Suitable for direct insulation contact. Suitable for damp location.

**LISTING** — CSA certified to U.S. and Canadian standards. DLC Certified

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at

[www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type

**TLED**

**2TLED**

2' x 2'  
LED



**nLIGHT**

**DESIGNLIGHTS**  
CONSORTIUM

### ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

**Example:** 2TL2 33L FW A19 D38 LP835 N100

2TL2	33L	Door		Lens		Voltage	D38	Color temperature	
Series	Lumens	FW	RW	A19	MWS	(blank)	D38	LP835	LP840
2TL2 Recessed LED	33L 3300 lumens <sup>1</sup>	Flush aluminum, white	Regressed aluminum, white	#19 pattern acrylic, 0.156" thick	Matte white .040 thick	MVOLT (120-277V)	38W <sup>2,3</sup>	82 CRI, 3500 Kelvin	82 CRI, 4000 Kelvin
				MPL Micro Prism	SWL Satin white				

Control	Options
NX Less controls	EL14L 1400 lumen emergency battery
BLD Bi-level dimming	
N80 nLight with 80% (L80) lumen management	
N80EMG nLight with 80% (L80) lumen management for use with generator supply EM power	
N100 nLight without lumen management	
N100EMG nLight without lumen management for use with generator supply EM power	

<b>Accessories:</b> Order as separate catalog number.	
DGA22	Drywall grid adapter for 2x2 recessed fixture.

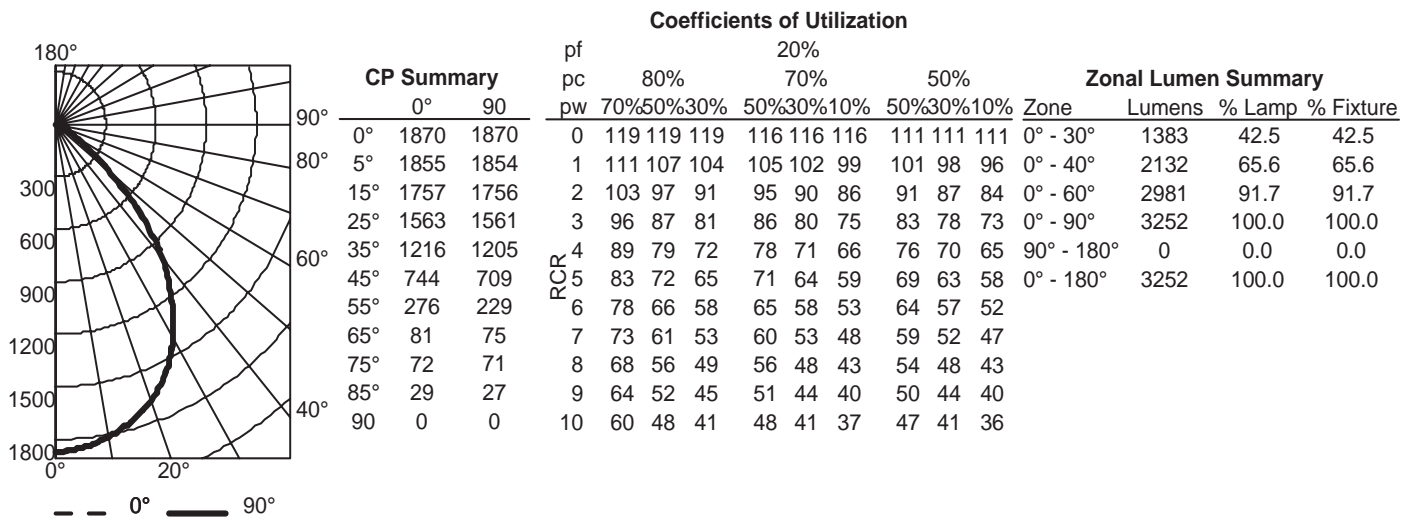
**Notes**

- Nominal lumens.
- Nominal wattage.
- Actual wattage may differ by +/- 5% when operating between 120-277V +/- 10%.

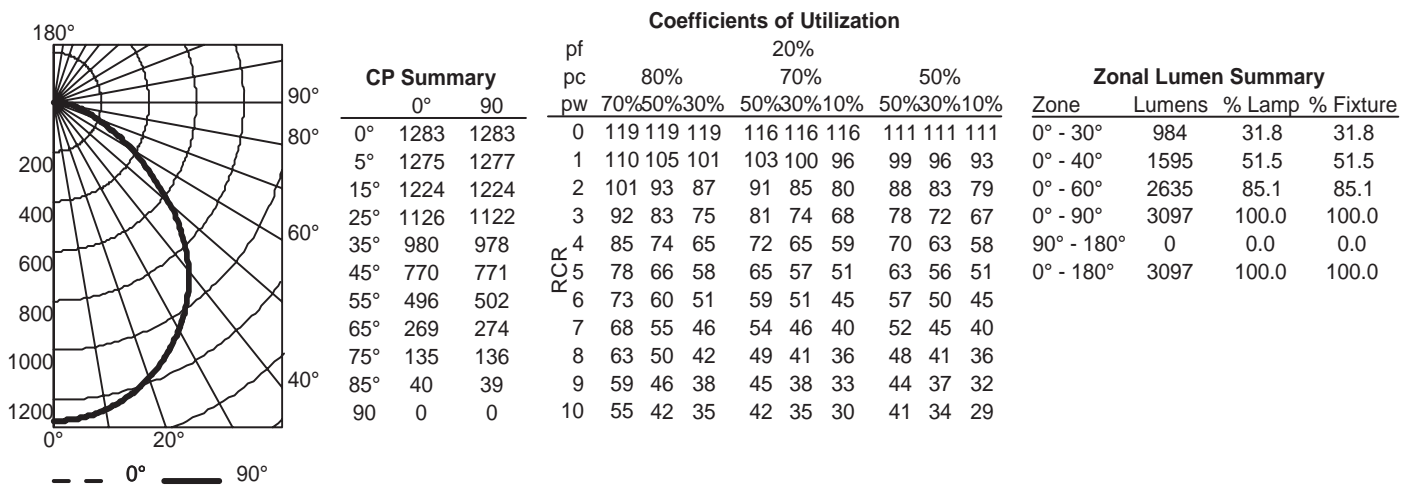
# 2TLED Recessed LED Lighting 2'x2'

## PHOTOMETRICS

2TL2 33L RW A19 D38 LP835 N100, 3,252 delivered lumens, test no. LTL20775, tested in accordance to IESNA LM-79.



2TL2 33L RW SWL D38 LP835 N100, 3,097 delivered lumens, test no. LTL20784, tested in accordance to IESNA LM-79.

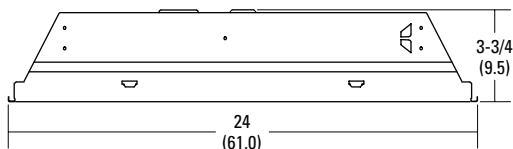


## DIMENSIONS

All dimensions are inches (centimeters) unless otherwise noted.

### Specifications

Length: 24 (61.0)  
 Width: 24 (61.0)  
 Depth: 3-3/4 (9.5)

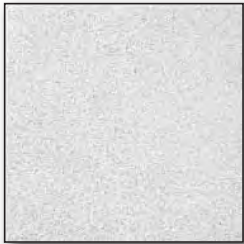


# Contractor High Performance Series™

## Contractor Series™

Armstrong's® affordable Contractor Series™ offers the performance you need to add more value to your standard and custom projects with less effort. Ideal for commercial applications such as offices, schools and healthcare. Available in a large selection of high-performance mineral fiber and fiberglass ceilings from Armstrong. No nailing or finishing required. Make an Armstrong Contractor Series ceiling part of your next project.

### 2' x 2' Panels

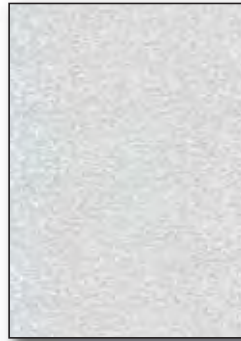


954 (584)  
CLASSIC FINE TEXTURED  
TEGULAR

### 2' x 4' Panels



403 ESPRIT® FIBERGLASS  
SQUARE EDGE



410 SONOFLEX RANDOM  
FISSURED™ FIBERGLASS  
SQUARE EDGE



416 SONOFLEX ETCHED  
FIBERGLASS  
SQUARE EDGE

954 (584) CLASSIC FINE TEXTURED



## Contractor Series High Performance Features

- Great for new, replacement and matching commercial applications
- Acoustical; reduce noise >50% (954 up to 70%)
- Sag, mold, mildew and bacteria resistant
- Ideal for basements
- Non-directional image reduces labor and scrap (954)
- Easy installation system provides access to pipes, ducts and wiring
- Fiberglass panel options offer a lightweight, easy to handle and install alternative to traditional ceiling options
- Recycled content up to 82%; refer to page 23 for item specifics



Square Edge



Tegular Edge



Installs In Grid



10/30  
Year  
Limited  
Manufacturer  
Warranty



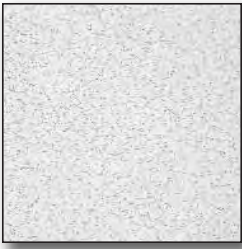
Recycled  
Content

**Armstrong®**

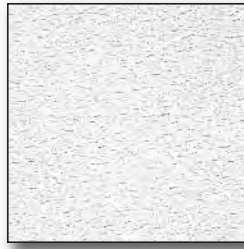
Your ideas become reality™



## 2' x 2' Panels

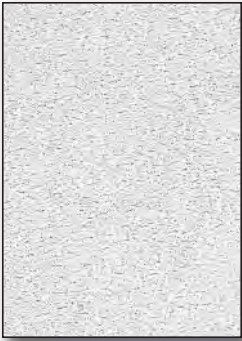


934 (704) RANDOM TEXTURED  
TEGULAR  
935 (770) RANDOM TEXTURED  
SQUARE EDGE

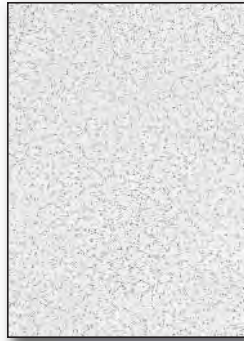


949 (756) TEXTURED  
SQUARE EDGE

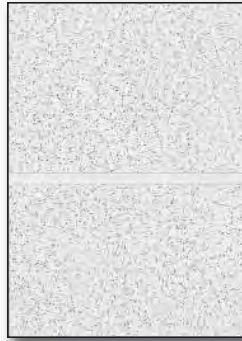
## 2' x 4' Panels



915 (895) TEXTURED FIRE GUARD™  
SQUARE EDGE  
942 (755) TEXTURED SQUARE EDGE



933 (769) RANDOM TEXTURED  
SQUARE EDGE



9767 (2767) SCORED  
TEGULAR

942 (755) TEXTURED

## Contractor Series Features

- Great for new, replacement and matching ceilings
- Acoustical; reduce noise 55%
- Non-directional image reduces labor and scrap (933, 934, 935)
- Easy installation system provides access to pipes, ducts and wiring
- 915 must be installed in a fire-rated grid to achieve fire resistant UL ratings
- Recycled content up to 40%; refer to page 23 for item specifics



Square Edge



Tegular Edge



Installs In Grid



Limited  
Manufacturer  
Warranty



Recycled  
Content

Contractor  
Series™



# Performance Guide by Item

Retail Item #	Retail Item Name	Size	Edge Detail	Installation System	Fire Performance Class	Mold Mildew Bacteria Resistance	Sag Resistance	NRC	CAC	LR	Recycled Material Content	
46	Wellington™	12"x12" 1/2"	Square Tongue & Groove	Easy Up	A	-	-	-	30	0.76	40%	
231	Washable White	12"x12" 1/2"	Bevel Tongue & Groove	Easy Up	A	-	-	-	30	0.80	24%	
241	SuperTuff™	2'x2' 5/8"	Tegular	Prelude	A	x	x	0.50	33	0.87	33%	
250	Pinehurst™	12"x12" 1/2"	Bevel Tongue & Groove	Easy Up	A	-	-	-	30	0.80	24%	
258	Grenoble™	12"x12" 1/2"	Bevel Tongue & Groove	Easy Up	A	-	-	-	30	0.80	24%	
266	Brighton™	2'x2' 1/2"	Tegular	Prelude	A	x	-	0.45	30	0.86	25%	
269	Sand Pebble™	2'x2' 5/8"	Tegular	Prelude	A	x	x	0.55	30	0.80	41%	
271	Sahara™	2'x2' 5/8"	Tegular	Prelude	A	x	x	0.50	35	0.83	41%	
273	Sahara™	2'x2' 5/8"	Square	Prelude	A	x	x	0.50	35	0.83	41%	
276	Sahara™	2'x2' 3/4"	Tegular	Suprafine	A	x	x	0.50	35	0.83	41%	
280	Plain White	2'x4' 1/2"	Square Tongue & Groove	Prelude	A	-	-	-	30	0.80	24%	
297	Grenoble™	2'x4' 1/2"	Square	Prelude	A	-	-	-	30	0.80	24%	
403	Esprit®	2'x4' 5/8"	Square	Prelude	A	x	x	0.55	N/A	0.72	82%	
410	Sonoflex Random Fissured™	2'x4' 5/8"	Square	Prelude	A	x	x	0.55	N/A	0.72	82%	
416	Sonoflex Etched	2'x4' 5/8"	Square	Prelude	A	x	x	0.55	N/A	0.72	82%	
480	Country Classic™ Plank	6"x48" 1/2"	Bevel Tongue & Groove	Easy Up	A	-	-	-	30	0.80	22%	
915	Textured Fire Guard™*	2'x4' 5/8"	Square	Prelude	A	-	-	0.55	35	0.81	38%	
922	Fine Fissured™	2'x4' 5/8"	Square	Prelude	A	x	x	0.55	35	0.85	40%	
928	Fine Fissured™	2'x2' 5/8"	Square	Prelude	A	x	x	0.55	33	0.85	40%	
932	Fine Fissured™	2'x2' 5/8"	Tegular	Prelude	A	x	x	0.55	35	0.85	40%	
933	Random Textured	2'x4' 5/8"	Square	Prelude	A	-	-	0.55	35	0.82	30%	
934	Random Textured	2'x2' 5/8"	Tegular	Prelude	A	-	-	0.55	33	0.82	30%	
935	Random Textured	2'x2' 5/8"	Square	Prelude	A	-	-	0.55	33	0.82	30%	
942	Textured	2'x4' 5/8"	Square	Prelude	A	-	-	0.55	35	0.80	30%	
949	Textured	2'x2' 5/8"	Square	Prelude	A	-	-	0.55	33	0.81	30%	
954	Classic Fine Textured	2'x2' 3/4"	Tegular	Prelude	A	x	x	0.70	35	0.86	67%	
1140	WoodHaven® Classic White	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1148	WoodHaven® Painted White	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1149	WoodHaven® Beadboard	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1201	Raised Panel™	2'x2' 5/8"	Flush Tegular	Prelude	A	x	-	-	30	0.80	52%	
1202	Scalloped	2'x2' 5/8"	Flush Tegular	Prelude	A	x	-	-	30	0.80	52%	
1203	Fluted	2'x2' 5/8"	Flush Tegular	Prelude	A	x	-	-	30	0.80	52%	
1205	Raised Panel	2'x2' 5/8"	Flush Tegular	Prelude	A	x	-	-	30	0.80	52%	
1206	Tango	2'x2' 5/8"	Tegular	Prelude	A	x	-	-	30	0.80	52%	
1210	Single Raised Panel	2'x2' 3/4"	Flush Tegular	Prelude	A	x	-	-	30	0.80	52%	
1231	Brightex with AirGuard™	2'x2' 3/4"	Tegular	Suprafine	A	x	x	0.65	35	0.90	55%	
1240	TinTile™	12"x12" 1/2"	Square Tongue & Groove	Easy Up	A	-	-	-	30	0.80	40%	
1244	Circles	12"x12" 1/2"	Square Tongue & Groove	Easy Up	A	-	-	-	30	0.80	40%	
1260	WoodHaven® Knotty Pine	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1261	WoodHaven® Natural Maple	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1262	WoodHaven® Classic Maple	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1263	WoodHaven® New Apple	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1264	WoodHaven® Rustic Pine	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1265	WoodHaven® White Wash	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1266	WoodHaven® Walnut	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1267	WoodHaven® Light Ash	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1268	WoodHaven® Natural Cherry	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1269	WoodHaven® Clear Maple	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1270	Cascade™	2'x2' 3/4"	Stepped Edge	Prelude	A	x	-	-	30	0.80	25%	
1271	WoodHaven® Bamboo	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1272	WoodHaven® Cherry Spice	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1273	WoodHaven® Weathered	5"x84" 3/8"	Tongue & Groove	-	C	-	-	-	N/A	N/A	95%	
1280	Easy Elegance™ Coffe – White	2'x2' 2 1/2"	Tegular	Prelude	A	x	x	-	N/A	0.85	N/A	
1280BL	Easy Elegance™ Coffe – Black	2'x2' 2 1/2"	Tegular	Prelude	A	x	x	-	N/A	N/A	N/A	
1282	Easy Elegance™ Coffe – White	2'x2' 1"	Tegular	Prelude	A	x	x	-	N/A	0.85	N/A	
1282BL	Easy Elegance™ Coffe – Black	2'x2' 1"	Tegular	Prelude	A	x	x	-	N/A	N/A	N/A	
1693	Sahara™	16"x16" 1/2"	Bevel Tongue & Groove	Prelude	A	x	-	-	30	0.80	33%	
1728BL	Fine Fissured™ – Black	2'x2' 5/8"	Square	Prelude	A	x	x	0.55	33	0.06	40%	
8008	TinCraft™ Circles	2'x2' 3/4"	Flush Tegular	Prelude	A	x	-	-	35	0.78	52%	
8009	TinCraft™ Squares	2'x2' 3/4"	Flush Tegular	Suprafine	A	x	-	-	35	0.78	52%	
9767	Scored	2'x4' 3/4"	Tegular	Prelude	A	-	-	0.55	35	0.82	29%	
Various	Metallaire™	various	Square	Prelude	A	x	x	-	N/A	N/A	54%	
									Mini Ctns/ Master Ctn	Pcs/ Mini Ctn	Pcs/ Master Ctn	LF/Mini Ctn
1310	StyleStix™ 6' Grid Cover	6'	Stepped Detail	-	A	x	x	8	6	48	36	
1311	StyleStix™ 6' Wall Molding Cover	6'	N/A	-	A	x	x	8	5	40	30	
1312	StyleStix™ 2' Grid Cover	2'	Stepped Detail	-	A	x	x	8	12	96	24	

\*Fire Guard:™ a fire resistive ceiling when used in applicable UL assemblies  
 NOTE: Noise reduction coefficient (NRC), ceiling attenuation class (CAC), light reflectance (LR) and flame spread ratings are expressed according to ASTM E 1264 requirements.

# Packaging Guide by Item

Retail Item #	Retail Item Name	Size		Edge Detail	SF Per Ctn	Pcs/Ctn	Lbs/Ctn	Ctns Per Pallet	Layers Per Pallet	Warranty
46	Wellington™	12"x12"	1/2"	Square Tongue & Groove	40	40	35	48	8	10/30-year
231	Washable White	12"x12"	1/2"	Bevel Tongue & Groove	40	40	28	48	8	10-year
241	SuperTuff™	2'x2'	5/8"	Tegular	48	12	52	40	10	10/30-year
250	Pinehurst™	12"x12"	1/2"	Bevel Tongue & Groove	40	40	28	48	8	10-year
258	Grenoble™	12"x12"	1/2"	Bevel Tongue & Groove	40	40	28	48	8	10-year
266	Brighton™	2'x2'	1/2"	Tegular	64	16	43	44	11	1-year
269	Sand Pebble™	2'x2'	5/8"	Tegular	64	16	43	36	9	10/30-year
271	Sahara™	2'x2'	5/8"	Tegular	64	16	51	32	9	10/30-year
273	Sahara™	2'x2'	5/8"	Square	64	16	51	32	9	10/30-year
276	Sahara™	2'x2'	5/8"	Tegular	64	16	48	32	8	10/30-year
280	Plain White	2'x4'	1/2"	Square	64	8	44	44	22	1-year
297	Grenoble™	2'x4'	1/2"	Square	64	8	44	44	22	1-year
403	Esprit®	2'x4'	5/8"	Square	128	16	22	18	18	10/30-year
410	Sonoflex Random Fissured™	2'x4'	5/8"	Square	128	16	22	18	13	10/30-year
416	Sonoflex Etched	2'x4'	5/8"	Square	128	16	22	18	9	10/30-year
480	Country Classic™ Plank	6"x48"	1/2"	Bevel Tongue & Groove	40	20	33	48	16	10-year
915	Textured Fire Guard™	2'x4'	5/8"	Square	64	8	71	36	18	1-year
922	Fine Fissured™	2'x4'	5/8"	Square	64	8	50	36	14	10/30-year
928	Fine Fissured™	2'x2'	5/8"	Square	64	16	45	36	9	10/30-year
932	Fine Fissured™	2'x2'	5/8"	Tegular	64	16	45	36	9	10/30-year
933	Random Textured	2'x4'	5/8"	Square	80	10	53	30	15	1-year
934	Random Textured	2'x2'	5/8"	Tegular	64	16	50	36	9	1-year
935	Random Textured	2'x2'	5/8"	Square	64	16	41	36	9	1-year
942	Textured	2'x4'	5/8"	Square	80	10	53	30	15	1-year
949	Textured	2'x2'	5/8"	Square	64	16	46	36	9	1-year
954	Classic Fine Textured	2'x2'	3/4"	Tegular	48	12	48	36	9	10/30-year
1140	WoodHaven® Classic White	5"x84"	3/8"	Tongue & Groove	29	10	47	48	6	10-year
1148	WoodHaven® Painted White	5"x84"	3/8"	Tongue & Groove	29	10	47	48	6	10-year
1149	WoodHaven® Beadboard	5"x84"	3/8"	Tongue & Groove	29	10	47	48	6	10-year
1201	Raised Panel™	2'x2'	5/8"	Flush Tegular	24	6	22	36	9	10-year
1202	Scalloped	2'x2'	5/8"	Flush Tegular	24	6	22	36	9	10-year
1203	Fluted	2'x2'	5/8"	Flush Tegular	24	6	22	36	9	10-year
1205	Raised Panel™	2'x2'	5/8"	Flush Tegular	24	6	22	36	9	10-year
1206	Tango	2'x2'	5/8"	Tegular	24	6	22	36	9	10-year
1210	Single Raised Panel	2'x2'	3/4"	Flush Tegular	24	6	22	36	9	10-year
1231	Brightex with AirGuard™	2'x2'	3/4"	Tegular	32	8	35	56	14	10-year
1240	TinTile™	12"x12"	1/2"	Square Tongue & Groove	40	40	35	48	8	10/30-year
1244	Circles	12"x12"	1/2"	Square Tongue & Groove	40	40	35	48	8	10/30-year
1260	WoodHaven® Knotty Pine	5"x84"	3/8"	Tongue & Groove	29	10	46	48	6	10-year
1261	WoodHaven® Natural Maple	5"x84"	3/8"	Tongue & Groove	29	10	46	48	6	10-year
1262	WoodHaven® Classic Maple	5"x84"	3/8"	Tongue & Groove	29	10	47	48	6	10-year
1263	WoodHaven® New Apple	5"x84"	3/8"	Tongue & Groove	29	10	47	48	6	10-year
1264	WoodHaven® Rustic Pine	5"x84"	3/8"	Tongue & Groove	29	10	47	48	6	10-year
1265	WoodHaven® White Wash	5"x84"	3/8"	Tongue & Groove	29	10	47	48	6	10-year
1266	WoodHaven® Walnut	5"x84"	3/8"	Tongue & Groove	29	10	47	48	6	10-year
1267	WoodHaven® Light Ash	5"x84"	3/8"	Tongue & Groove	29	10	47	48	6	10-year
1268	WoodHaven® Natural Cherry	5"x84"	3/8"	Tongue & Groove	29	10	47	48	6	10-year
1269	WoodHaven® Clear Maple	5"x84"	3/8"	Tongue & Groove	29	10	47	48	6	10-year
1270	Cascade™	2'x2'	3/4"	Stepped Edge	48	12	37	40	10	1-year
1271	WoodHaven® Bamboo	5"x84"	3/8"	Tongue & Groove	29	10	47	48	6	10-year
1272	WoodHaven® Cherry Spice	5"x84"	3/8"	Tongue & Groove	29	10	47	48	6	10-year
1273	WoodHaven® Weathered	5"x84"	3/8"	Tongue & Groove	29	10	47	48	6	10-year
1280	Easy Elegance™ Coffe - White	2'x2'	2 1/2"	Tegular	80	20	22	24	3	Lifetime
1280BL	Easy Elegance™ Coffe - Black	2'x2'	2 1/2"	Tegular	80	20	22	24	3	Lifetime
1282	Easy Elegance™ Coffe - White	2'x2'	1"	Tegular	192	48	45	24	3	Lifetime
1282BL	Easy Elegance™ Coffe - Black	2'x2'	1"	Tegular	192	48	45	24	3	Lifetime
1693	Sahara™	16"x16"	1/2"	Bevel Tongue & Groove	36	20	35	24	4	10-year
1728BL	Fine Fissured™ - Black	2'x2'	5/8"	Square	64	16	52	36	9	10/30-year
8008	TinCraft™ Circles	2'x2'	3/4"	Flush Tegular	48	12	43	40	10	1-year
8009	TinCraft™ Squares	2'x2'	3/4"	Flush Tegular	32	8	4	40	10	1-year
9767	Scored	2'x4'	3/4"	Tegular	80	10	58	24	12	1-year
Various	Metallaire™	various		Square	V	V	V	V	V	Lifetime
					LF/ Master Ctn	Lbs/ Master Ctn	Master Ctn/ Pallet			
1310	StyleStix™ 6' Grid Cover	6'		Stepped Detail	288	45	21			Lifetime
1311	StyleStix™ 6' Wall Molding Cover	6'		N/A	240	37	20			Lifetime
1312	StyleStix™ 2' Grid Cover	2'		Stepped Detail	192	30	21			Lifetime

# Suspended Ceiling Installation Systems

Makes it easy to install any Armstrong® Ceiling Systems

## Prelude® (15/16" Face) & Suprafine (9/16" Face) Ceiling Suspension Systems

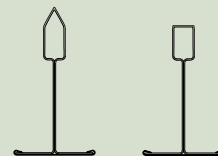
Preferred choice of the professional installer


- Heavy-duty performance (7301); intermediate-duty performance (Prelude 7300, Suprafine 7500)
- Meets all building codes for non-residential construction
- Easy installation—Choice of stab-in or hook-in cross tees; only 3" clearance required (Prelude only)
- XL stab-in or ML hook-in cross tees provide secure lock connection; easy to remove, reuse and relocate
- Rotary stitched during manufacture for additional torsional strength and extra stability during installation
- SuperLock™ main beam clip is engineered for a strong, secure connection and fast, accurate alignment confirmed with audible click; easy to remove/relocate
- Hot-dipped galvanized coating inhibits red rusting better than electrogalvanized or painted systems
- Seismic Rx® Suspension systems save time and money; Armstrong offers an ICC-ES approach to installations (ESR-1308); for stringent seismic specifications use heavy-duty main beams, XL stab-in cross tees, and BERC2 clips
- 10-year limited warranty; 30-year with Armstrong high-performance ceiling panels
- PeakForm® profile increases strength and stability for improved performance during installation
- Prelude Fire Guard™ options for UL design fire-rated performance only

271 SAHARA™



PeakForm® profile increases strength and stability for improved performance during installation



 PeakForm® offers superior load-carrying capacity than typical square bulb

Fire Guard™ options for UL design fire-rated performance only



EXPANSION RELIEF ON FIRE GUARD™ MAIN BEAM

### 15/16" vs 9/16" Grid

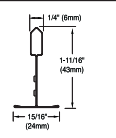
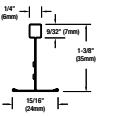
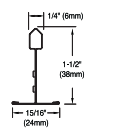
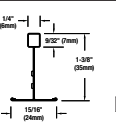
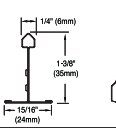
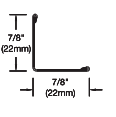
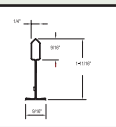
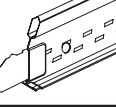
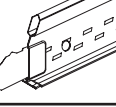
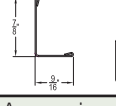

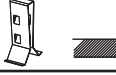
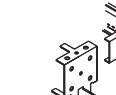
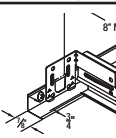


NOTE: Use only appropriate panels for each exposed grid system.



Your ideas become reality®

# Suspended Ceiling Installation Systems

Cross Section Illustration	Item #	Fire Guard Item #	Description	LBS/LF on 4' span	Length	Web Height	Flange Width	PC/CTN	LF/CTN	
Prelude										
	7301WH 7301BL		12' Heavy Duty Main Beam - White 12' Heavy Duty Main Beam - Black	16.5	144"	1-11/16"	15/16"	20	240	
	7300XRWH 8300BL	8300XRWH 8300BL	12' Intermediate Duty Main Beam - White 12' Intermediate Duty Main Beam - Black	12.8	144"	1-11/16"	15/16"	20	240	
			XL8340RWH XL8340BL		48"	1-11/16"	15/16"	60	240	
	ML7343WH ML7343BL		4' Hook Cross Tee - White 4' Hook Cross Tee - Black		48"	1-1/2"	15/16"	60	240	
	ML7323WH ML7323BL		2' Hook Cross Tee - White 2' Hook Cross Tee - Black		24"	1-1/2"	15/16"	60	120	
	XL7342BL		4' Stab Cross Tee - Black		48"	1-1/2"	15/16"	60	240	
	XL7348RWH		4' Stab Cross Tee - White		48"	1-3/8"	15/16"	60	240	
	XL7328RWH XL7328BL	XL8323RWH XL8323BL	2' Stab Cross Tee - White 2' Stab Cross Tee - Black		24"	1-3/8"	15/16"	60	120	
	7800RWH 7800BL		12' Wall Molding - White 12' Wall Molding - Black		144"			140	1680	
Suprafine 9/16" Exposed Tee Components										
	7500RWH		12' Intermediate Duty Main Beam - White	12.75	144"	1-11/16"	9/16"	20	240	
	XL7540RWH		4' Stab Cross Tee - White		48"	1-11/16"	9/16"	60	240	
	XL7520RWH		2' Stab Cross Tee - White		24"	1-11/16"	9/16"	60	120	
	7804RWH		12' Wall Molding - White		144"	7/8"	9/16"	30	360	
Accessories										
	7891		12 Gauge Hanger Wire		144"					
	UHDCA		Universal Hold Down Clip				1000			
	UTCA		Up Tight Clip to attach to wood joist				250			
	BERC2		Beam End Retaining Clip				200			

# Carlton® Floor Boxes and Covers

*Round*

*1-, 2-, and 3-Gang  
Rectangular*

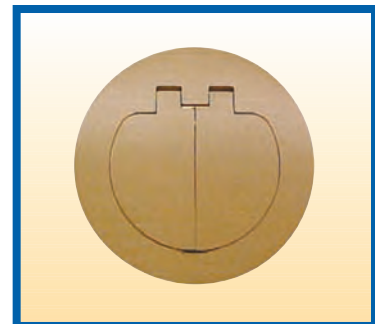
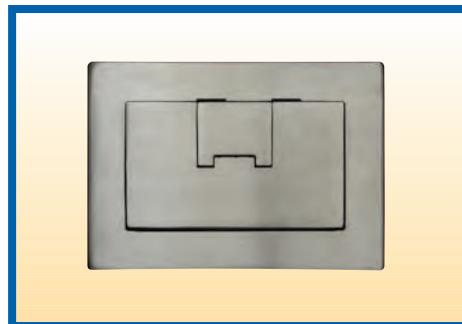
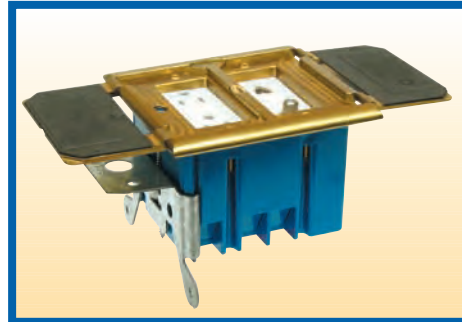
*Residential –  
Fully Adjustable*

*Drop-In*

*Brass Covers*

*Stainless Steel  
Covers*

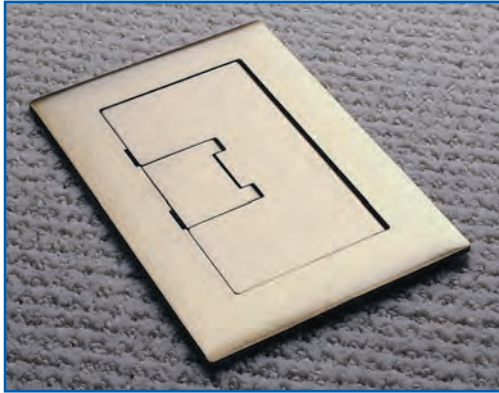
*Nonmetallic  
Covers*



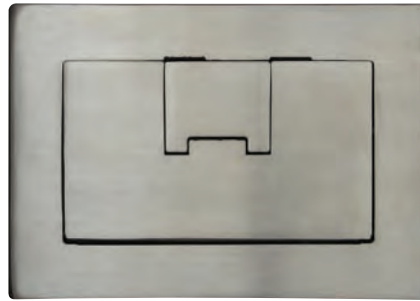
# Rectangular Floor Box Covers – Brass & Stainless Steel



## 1-, 2-, and 3-Gang Solid Brass & Stainless Steel



Carlton® Brass and Stainless Steel rectangular Floor Box Covers add a classic touch to all floor box installations and are particularly suited for use in high-traffic areas because of the resistance to wear. The gasket gives a watertight seal, and the light lacquer finish provides extra protection.



**NEW!**  
Stainless Steel  
Covers

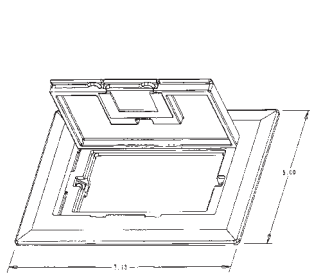
\*U.S. Patent 6,265,662

### Features

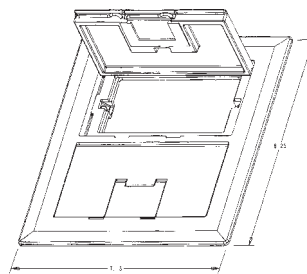
- Rugged construction.
- Coated with a light lacquer finish for extra protection.
- Covers include a cord door.
- Gasketed for watertight applications.
- Accepts single, duplex, GFCI, and low voltage receptacles.
- For tile and carpet applications.
- UL scrub water tested.

### Specifications

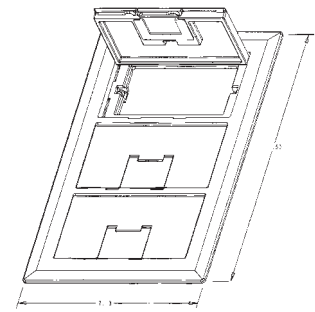
#### Rectangular Floor Box Covers – Brass & Stainless Steel



**One-Gang**



**Two-Gang**



**Three-Gang**

Part No.	Size	Color	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
E9761BR	One-Gang	Brass	3	6.8
E9762BR	Two-Gang	Brass	3	9.9
E9763BR	Three-Gang	Brass	3	12.1
E9761SS	One-Gang	Stainless Steel	3	7.4
E9762SS	Two-Gang	Stainless Steel	3	11.6
E9763SS	Three-Gang	Stainless Steel	3	17.2

Part No.	Description	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
E976AK2	Rectangular Floor Box Activation Kit	3	1.3

# Adjust-A-Box® Residential Floor Boxes

## 1-, and 2-Gang Adjustable

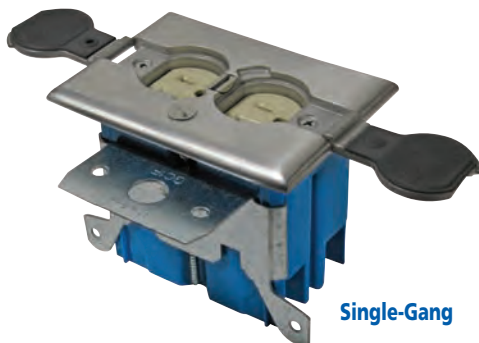


**Double-Gang**

*\*Devices not included*

*\*U.S. Patent 5,289,934*

**NEW!**  
Stainless Steel  
Covers



**Single-Gang**

Carlson Adjust-A-Box® Floor Boxes make installing floor outlets faster and easy by providing maximum installation flexibility. The box features a patented adjustment screw designed to adjust the box from 0" to 1-3/4" by simply turning the screw clockwise or counterclockwise, providing a flush mount every time.

Covers are able in three types; nonmetallic, brass, and stainless steel. They feature two hinged doors to protect unused devices, and to keep out dust and scrubwater. Because the doors are attached, they won't get lost or misplaced while the outlet in use.

The Adjust-A-Box® is available in two sizes, single-gang and double-gang. The single-gang box has a 20 cubic inch capacity and includes a duplex receptacle, and the double-gang box has as 34 cubic inch capacity, and comes with a divider for dual voltage capabilities.

Carlson Adjust-A-Box® Residential Floor Boxes are ideal for residential and home office applications and provide a clean, aesthetically pleasing floor outlet anywhere you need it.

## Features

- Listed floor boxes per 314.27(C) of the NEC
- Patented adjustment screw that adjusts depth (from 0" to 1 3/4")
- Cover options include: nonmetallic, brass, and stainless steel covers
- Covers have two (non-removable) hinged doors
- Solid brushed brass and stainless steel covers with a light lacquer finish for extra protection
- Nonmetallic covers are available in white and ivory (single gang box only)
- Two-Gang version features dual service capabilities (requires use of dual service divider)
- Integral cable clamps
- Ideal for new work and retrofit applications
- UL listed
- UL scrub water tested
- 2 hour fire classification (single gang box only)



# Adjust-A-Box® Residential Floor Boxes

## Installation



Install clip over subfloor.



Screw in to adjust to height of flooring or carpet



Beautiful flush fit every time!

## Specifications



Part Number	Size	Cover	Cubic In.	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
<b>Nonmetallic</b>					
B121BFBRW	One-Gang	White	20	8	7.1
B121BFBR	One-Gang	Ivory	20	8	6.9
<b>Brass</b>					
B121BFBB	One-Gang	Brass	20	8	15.0
B234BFBB	Two-Gang	Brass	34	4	10.7
<b>Stainless Steel</b>					
B121BFSS	One-Gang	Stainless Steel	20	8	13.7
B234BFSS	Two-Gang	Stainless Steel	34	4	9.8

## Kits include:

### Single-Gang

#### Ivory/White Cover:

- Two (2) 6-32x1 flat head machine screws
- Four (4) #6 1-1/4 self-tapping flat head screws
- Two (2) #6 1-5/8 drywall screws
- One (1) cover plug
- One (1) New Work Bracket
- One (1) Old Work Bracket
- One (1) 20 cubic in. UL Listed Floor Box
- One (1) UL Listed Floor Cover
- One (1) short shank receptacle
- One (1) tube Dow Corning #4 sealant
- Installation instructions

#### Brass & Stainless Steel Covers:

- Two (2) 6-32x1 plated flat head machine screws
- Four (4) #6 1-1/4 self-tapping flat head screws
- Two (2) #6 1-5/8 drywall screws
- One (1) New Work Bracket
- One (1) Old Work Bracket
- One (1) 20 cubic in. UL Listed Floor Box
- One (1) UL Listed Floor Cover
- One (1) short shank receptacle
- Green ground wire
- Installation instructions

### Double-Gang

- One (1) New Work Bracket
- One (1) Old Work Bracket
- One (1) 34 cubic in. UL Listed Floor Box
- One (1) Dual Voltage Divider
- One (1) UL Listed Floor Cover
- Four (4) #6-32x1" flat head machine screws
- Four (4) #6 x1-1/4" flat head self-tapping screws
- Two (2) #6x1-5/8" square drive trim head screws
- Green ground wire
- Installation instructions



\*Devices not included



## ABOUT THE PRODUCT:

The L20, L18 and L16 Series Flush Doors are designed to meet the architectural requirements for full flush doors. The L14 Series Flush Doors are designed to meet the architectural requirements for maximum duty full flush doors. Refer to Section 11 (Architectural) for specifications and the selection and usage guide of the appropriate door constructions.

This premium door construction combines the strength and dimensional stability of steel with the structural integrity of the laminate core. The continuous bonding of core to steel face sheets provides an attractive, flat door, free of face welding marks. Tests have proven that the L Series Door has high resistance to impact damage, low thermal conductivity and high STC ratings.

To meet application, specification and performance requirements, the L Series Door offers a wide range of specifiable options including sizes, glass light designs and hardware (mechanical, pneumatic, electrical) preparations.

L-Series Doors are 1-3/4" (45mm) thick.

## INSTALLATION:

1. Installation shall conform to the published Steelcraft installation instructions, ANSI A250.11-2001 (formerly SDI 105) *Recommended Erection Instructions for Steel Frames and HMMMA 840s*.
2. Fire Rated Assemblies must be in accordance with NFPA Pamphlet 80. The *Authority Having Jurisdiction* is the final authority on issues related to the installation and use of installed Fire Rated Doors.

## FEATURES AND BENEFITS:

Steelcraft's L Series Doors offer the following standard unique features, which enhance long term performance and durability:

1. **Core Systems** that enhance the structural integrity of the door:
  - **Honeycomb (standard)** – 1" (25mm) cell kraft honeycomb configuration that increases structural integrity while reducing overall weight
  - **Polystyrene (optional)** – enhanced thermal performance
  - **Polyurethane (optional)** – extreme thermal performance
2. **Full Height, Epoxy Filled Mechanical Interlock Edges** provide structural support and stability the full height of the door edges. Available edge options:
  - **Visible Edge Seam (standard)** – full height, epoxy filled mechanical Interlocked edges
  - **Filled Seam** – optional edge seam epoxy filled and finished smooth. Includes tack welds above and below edge cutouts for hinges, locks, etc.
  - **Welded Edge Seam** – optional edge seam welded with 1" (25mm) long weld, 6" (51mm) on center, epoxy filled between welds and finished smooth; available on L18, L16 and L14 doors.
3. **Universal Hinge Preparations** (patented) allow for easy field conversion from standard weight .134" (3.3mm) hinges to heavy weight .180" (4.7mm) hinges.
4. **14 Gage [0.067" (1.7mm)] Inverted Top and Bottom Channels** provide stability and protection for the top and bottom edges from abuse.
5. **Beveled Hinge and Lock Edges** allow for tighter installation tolerances, ensure easier operation and eliminate binding and sticking.
6. **Recessed Designer™ Glass Trim** provides a clean, neat and flush finish with the door surface.
7. **Factory Applied Baked-On Rust Inhibiting Primer** paint in accordance with ANSI A250.10-1998.

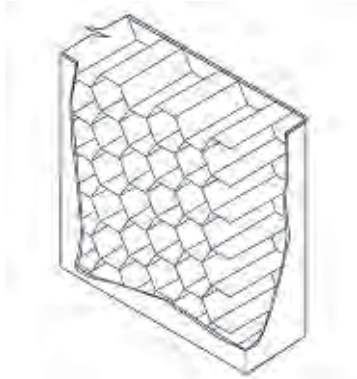
## SPECIFICATION COMPLIANCE:

1. Door construction for Steelcraft L Series Full Flush Doors meets the requirements of ANSI A250.8-2003 (SDI 100).
2. Hardware preparations and reinforcements are in accordance with ANSI A250.6-2003. Locations are in accordance with ANSI/DHI A115 unless otherwise stated.

## FIRE RATINGS:

L Series Doors meet the broadest fire rating requirements. They are listed for installations requiring compliance to both neutral pressure testing (ASTM E152 and UL-10B) and positive pressure standards (UBC 7-2 and UL-10C).

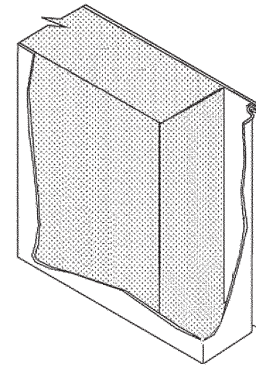
### Rigid Honeycomb



#### Standard Laminated Honeycomb Core

- 1" (25mm) cell, 99 pound Kraft honeycomb
- Honeycomb surfaces sanded for maximum adhesion
- Impregnated with phenolic resin (resists mildew and vermin)
- Laminated to both face sheets with contact adhesive
- Assembled door is run through high pressure pinch rollers, achieving ultimate bond

Optional cores are polystyrene or polyurethane

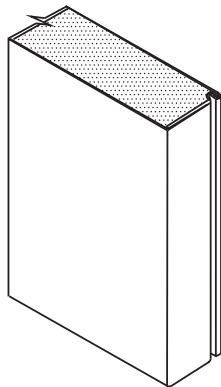


#### Optional Polystyrene Core

- 1 pound (453.6g) per ft<sup>3</sup> density slab
- Laminated to both face sheets with contact adhesive
- Labeled applications

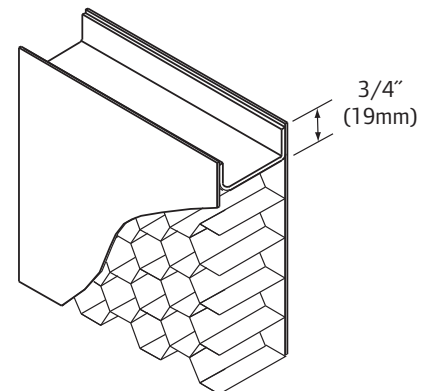
#### Optional Polyurethane Core

- 1.8 pound (816.5g) per ft<sup>3</sup> density slab
- Laminated to both face sheets with contact adhesive
- Non-Labeled applications



#### Standard Premium Edge Construction

- Beveled hinge & lock edges
- Full height mechanical interlock with epoxy adhesive
- Visible edge seam standard
- Seamless edge optional



#### Standard Rigid 14 Gage End Channel Construction

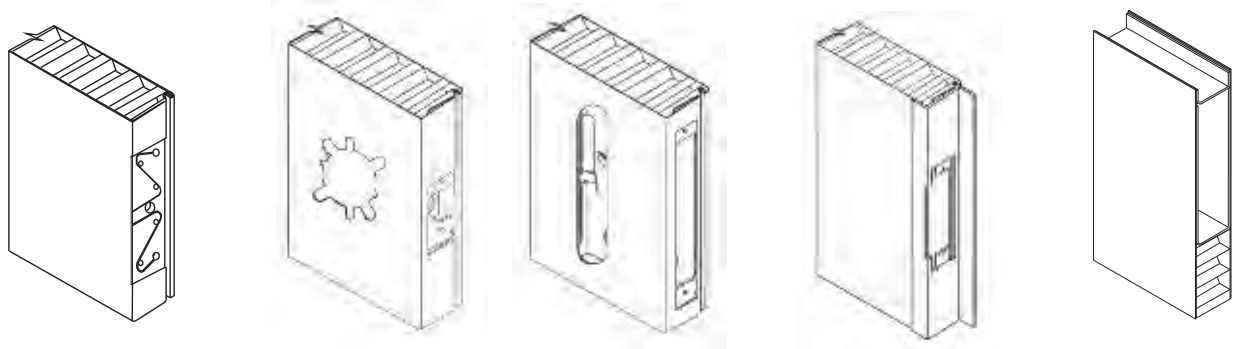
- 14 gage inverted galvanized top & bottom channels
- Projection welded to both face sheets
- Optional 24 gage galvanized top caps

### DOOR APPLICATION AND USAGE

Series	Steel Thickness	Opening	Usage Frequency	
L20	20 Ga (0.8mm)	Interior - Cold Rolled Steel	Standard Duty	Light Commercial applications with minimal use and abuse
L20	20 Ga (0.8mm)	Exterior - Galvanized Steel		
L18	18 Ga (1.0mm)	Interior - Cold Rolled Steel	Heavy Duty	Heavy Commercial & Institutional applications with high use
L18	18 Ga (1.0mm)	Exterior - Galvanized Steel		
L16	16 Ga (1.3mm)	Interior - Cold Rolled Steel	Extra Heavy Duty	Extra Heavy Commercial applications with potential of very high use
L16	16 Ga (1.3mm)	Exterior - Galvanized Steel		
L14	14 Ga (1.7mm)	Interior - Cold Rolled Steel	Maximum Duty	Extra Heavy Commercial applications with extremely high use
L14	14 Ga (1.7mm)	Exterior - Galvanized Steel		

**STANDARD HARDWARE PREPARATIONS**

Typical hardware applications shown. Refer to section 8 for more details.



**Universal Mortise Hinge Prep**  
7 Gage Universal hinge reinforcement

**61L Lock**

**86 Lock**

**Inactive Leaf ASA Strike Prep with Astragal attached**

**Optional 14 Gage Closer Reinforcement**

**Standard: mortised and reinforced for**

- Patented Universal hinge preparations allow for easy field conversion from standard 4-1/2" (114mm) x .134" (3.3mm) standard weight hinges to 4-1/2" (114mm) x .180" (4.7mm) heavy weight hinges. Optional hinge preparation for 5" (127mm) x .146" (3.7mm) standard weight hinges or for 5" (127mm) x .190" (4.8mm) heavy weight hinges is also available.
- A multitude of standard lock preparations are available. The cylindrical 161, 61L and mortise 86 lock preps are the most commonly used active leaf preparations. The 4 7/8 (124mm) strike prep is the most commonly used inactive leaf preparation.
- Optional reinforcements for surface and concealed Closers are available.
- Special hardware applications are available.

**Door Sizes and ANSI A250.8 Conversions**

Steelcraft product selection for L Series Doors has been matched to ANSI/SDI Level and Model designations.

- In accordance with ANSI A250.8, core material is not specific to the level or model designations. Core material selection is specified based on preference and application.
- Recommended minimum frame gage also applies to the frequency of operation of the opening.

Series	ANSI A250.8 - SDI 100			Edge Construction Options	Maximum Sizes		Recommended Gage of Frame
	Level	Model	Description		Single	Pair	
<b>Level 1 - Light Commercial</b>							
L20	1	1	Full Flush	Visible	3'-0" x 8'-0"	6'-0" x 8'-0"	18 Gage [0.042" (1.0mm)]
LF20		2	Seamless	Epoxy Filled	914mm x 2438mm	1829mm x 2438mm	16 Gage [0.053" (1.3mm)]
<b>Level 2 - Heavy Duty Commercial &amp; Institutional</b>							
L18	2	1	Full Flush	Visible	4'-0" x 10'-0"	8'-0" x 10'-0"	16 Gage [0.053" (1.3mm)]
LF18		2	Seamless	Epoxy Filled			
LW18		2	Seamless	Welded			
<b>Level 3 - Extra Heavy Duty Commercial &amp; Institutional</b>							
L16	3	1	Full Flush	Visible	4'-0" x 10'-0"	8'-0" x 10'-0"	16 Gage [0.053" (1.3mm)]
LF16		2	Seamless	Epoxy Filled			
LW16		2	Seamless	Welded			
<b>Level 4 - Maximum Duty Commercial &amp; Institutional</b>							
L14	4	1	Full Flush	Visible	4'-0" x 10'-0"	8'-0" x 10'-0"	14 Gage [0.067" (1.7mm)]
LF14		2	Seamless	Epoxy Filled			
LW14		2	Seamless	Welded			

### DOOR EDGE CONSTRUCTION:

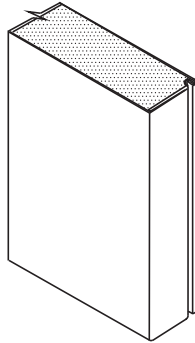
Optional Edge Seams available in the L Series doors:

- L - Standard feature includes visible edge seams with full height interlocked edges.
- LF – the mechanical edge seam is filled and finished prior to applying the factory primer.
- LW – the mechanical edge seam is welded and finished prior to applying the factory primer.

#### Standard Visible Seamless

##### L Series Visible Seam Features

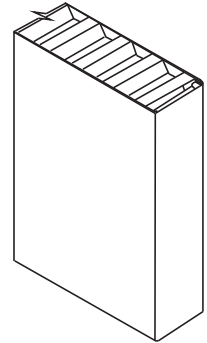
- Full height mechanical interlock
- Interlock filled with epoxy adhesive
- Visible edge seam



#### Optional Seamless Edge

##### LF Series Seam Filled Features

- Full height mechanical interlock
- Interlock filled with epoxy adhesive
- Edge seam is epoxy filled and finished
- No visible edge seam



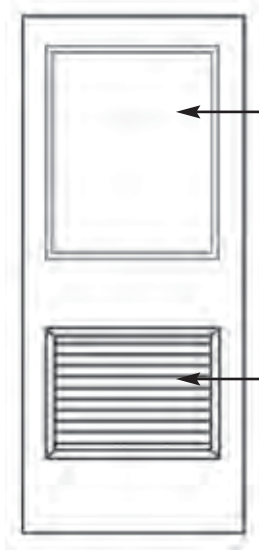
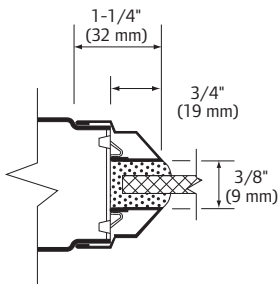
##### LW Series Seam Welded Features

- Full height mechanical interlock
- Edge seam is welded 1" (25mm) long, 6" (152mm) on center.
- No visible edge seam

### GLASS LIGHT OPTIONS – REFER TO THE LIGHTS AND LOUVERS SECTION FOR FURTHER DETAILS AND OPTIONS

#### Dezigner® Trim

- Standard 1/4" Thick Glass
- Optional 1/2" Thick Glass

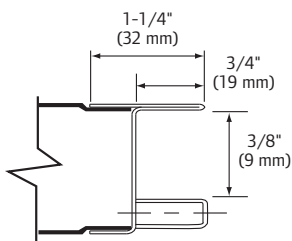


Note: Glazing type and thickness vary per job requirements.

Note: Louver size and type vary per requirements.

#### Recessed Steel Insulated Glass Trim

- For 1" Thick Glass



Divider Muntins Are Not Available