



# SimpleLine DeadsideLED 1.5, 2.5, 3.0, 4.0 or 6.0 x 5/8"

Type:

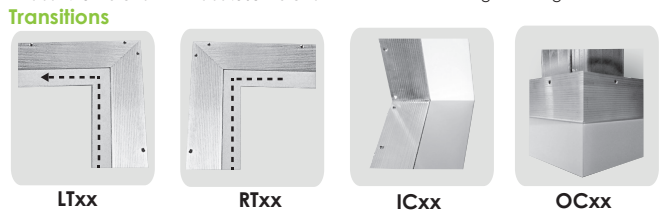
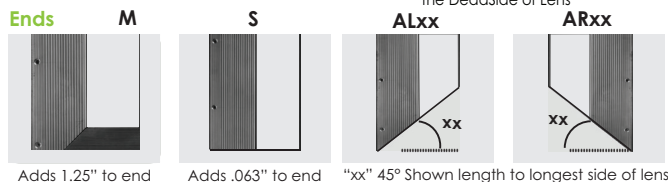
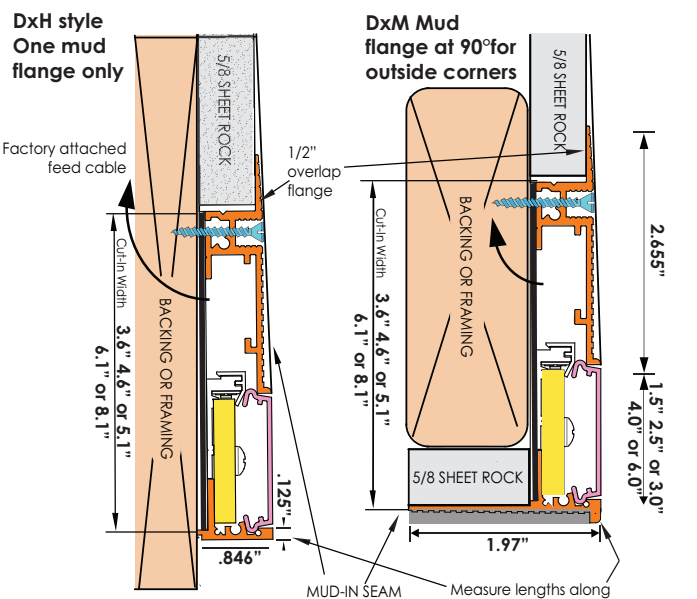


Creates light edge, frame or transition to other surface types e.g. wood, stone, or acoustical ceiling tile

DxH or DxM versions for hard or mud-in edge

Integrates with standard SimpleLine series

Unit fits within thickness of the finished 5/8" drywall



## Environmental Data



For 3KL lighting at 3000k:  
W: 2.5W/ft (8W/m)  
LLD: 50,000hrs @ 70%lm  
40ft (6M) on one 100w driver

For 1ML lighting at 3000k:  
W: 4.9W/ft (16W/m)  
LLD: 50,000hrs @ 70%lm  
20ft (6M) on one 100w driver

For 2ML lighting at 3000k:  
W: 9.8W/ft (32W/m)  
LLD: 50,000hrs @ 70%lm  
10ft (3M) on one 100w driver

Temp range: 0° ~ 90°F (-20 ~ 30°C)  
No Mercury, No UV, No Flicker  
Warranty: 5 years  
cETLUS Damp Listed IC Rated

Specifications and dimensions subject to change without notice. Protected under U.S. Pat. 8109659 and other patents pending. info@dadolighting.com v/f 877.323.6584

## Ordering

Series	SD15 <input type="checkbox"/> 1.5 in width	SD40 <input type="checkbox"/> 4.0 in width
	SD25 <input type="checkbox"/> 2.5 in width	SD60* <input type="checkbox"/> 6.0 in width
	SD30 <input type="checkbox"/> 3.0 in width	*DxMW style only
Mounting	MC5 <input type="checkbox"/> New or Cut-in construction 5/8" drywall or thicker	
Lamping	3KL <input type="checkbox"/> 88lu/ft LED 2.5w/ft (8w/m) in 30 & 35K only	
Delivered lumens	1ML <input type="checkbox"/> 175lu/ft LED 4.9w/ft (16w/m)	
	2ML <input type="checkbox"/> 350lu/ft LED 9.8w/ft (32w/m)	
	_CC <input type="checkbox"/> Constant Current LED Up to 8.0w/ft	
	lu/ft: 8.0=485, 5.4=354, 3.0=180, 1.5=91	
Color	27 <input type="checkbox"/> 2700K, 85+ CRI	279 <input type="checkbox"/> 2700K, 90+ CRI
	30 <input type="checkbox"/> 3000K, 85+ CRI	309 <input type="checkbox"/> 3000K, 90+ CRI
	35 <input type="checkbox"/> 3500K, 85+ CRI	40 <input type="checkbox"/> 4000K, 85+ CRI
	See Mullet spec sheet for RGB, RGB+W & tunable white	
Wire Harness	1 <input type="checkbox"/> Single	2 <input type="checkbox"/> Double for 2 row LED
		1ML, 2ML or CC only
Lens	W <input type="checkbox"/> White	
	TW3 <input type="checkbox"/> 3/8" Tall White Not available with S60	
	G <input type="checkbox"/> Custom graphics, braille to be added to W or TW3 lens	
Driver	R <input type="checkbox"/> Remote	
Start End	M <input type="checkbox"/> Mud in End	
	S <input type="checkbox"/> Straight End	
	Axx <input type="checkbox"/> Angle cut Left or Right (degrees 1° to 89°)	
	PAT <input type="checkbox"/> Use to denote patterns as drawn	
Length	xx <input type="checkbox"/> xx is distance in inch or mm	
	xxFC <input type="checkbox"/> Allows housing to be field cut for exact fit	
DeadSide	DxH <input type="checkbox"/> Along an inside corner or hard surface	
Style	DxM <input type="checkbox"/> Along an outside corner	
	DxC <input type="checkbox"/> Along an inside corner for 2 row LED*	
	DxP <input type="checkbox"/> Along Pilaster or Pop-Up	
	*Required with SD60 & for 2 row LED	
ACT Flange	9F <input type="checkbox"/> 9/16" flange flush with face	
	9T <input type="checkbox"/> 9/16" flange raised 5/16" for regular tiles	
Transition	LTxx <input type="checkbox"/> Left Turn same plane (degrees 66° to 179°)	
	RTxx <input type="checkbox"/> Right Turn same plane (degrees 66° to 179°)	
	ICxx <input type="checkbox"/> Inside Corner (degrees 66° to 179°)	
	OCxx <input type="checkbox"/> Outside Corner (degrees 66° to 179°)	
Finish End	___ <input type="checkbox"/> Choose from Start End choices listed above	
DxH Color	___ <input type="checkbox"/> Natural Anodized	BK <input type="checkbox"/> Black WH <input type="checkbox"/> White
	BZ <input type="checkbox"/> Bronze	___ <input type="checkbox"/> Other
Units	mm <input type="checkbox"/> mm	
	in <input type="checkbox"/> inches	
Options	CP <input type="checkbox"/> Chicago Plenum	
	EME <input type="checkbox"/> All feed cables labeled for connection to EM circuit	
	EM5 <input type="checkbox"/> 5' section(s) in run labeled for connection to EM circuit	
	EF <input type="checkbox"/> Feed cable exits end (10' or shorter housings)	

\*Specify Power Supply on next page



# SimpleLine DeadsideLED 1.5, 2.5, 3.0, 4.0 or 6.0 x 5/8"

## R-FLV Driver

Forward phase low voltage remote mounted power supply with 24Vdc Constant Voltage output for simple class 2 installation. 20W, 40W, 60W or 96W; 120V 60Hz input. Minimum 50% watt load required; e.g. 10W on FLV20  
Dims to 20% with forward phase 2-wire magnetic low voltage dimmer. Short circuit and overload protected.  
Non-IC installations.  
Listed for 90 C conductors with 1/2" trade size knock outs.  
NEMA 3R enclosure.

## R-xxx-UNV Drivers

Remotely located power supply with 24Vdc Constant Voltage, or Constant Current, output for simple class 2 installation. Electronic Drivers 50/60 Hz, 120 thru 277 input. Choice of 0-10V dimming or switched on/off. Dimmable drivers with 3KL, 1ML, or 2ML may flicker below 10%. Use Constant Current version to dim to 1%.  
Nxx requires 8W and D010 requires 20W minimum load  
Type A Sound Rating,  
Non IC installations standard; consult factory for IC installation. May be surface mounted or recessed in 2x4 walls or above accessible ceilings.  
Housing is die formed 16ga CRS with White painted after fabrication finish.  
Listed for 90°C conductors with 1/2" trade size Knock Outs.

## R-DLUT96-UNV Driver

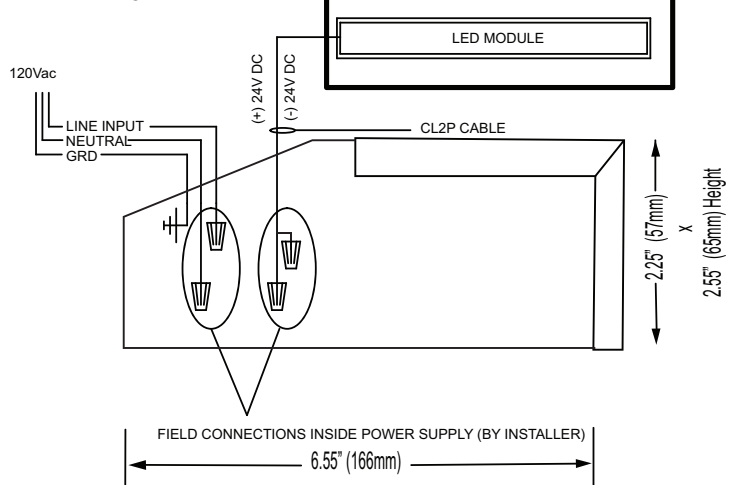
\* For use with 6P lamping only.  
Dims to 1%  
Remote power supply 24Vdc Constant Voltage Output. 50/60Hz, 120 thru 277V input.  
Class A sound rated.  
Rated for Damp location use. Non-IC installations.  
Dims with 3-Wire dimmer or EcoSystem™ Requires 25W minimum load. For more info visit:  
<http://www.lutron.com/TechnicalDocumentLibrary/369883.pdf>

Driver*	R	<input type="checkbox"/> Remote
Drive Qty Per	-	<input type="checkbox"/> Blank for FLV & DLUTP type
Power Supply	X	<input type="checkbox"/> Factory determined with Nxx or D010 type
Type	FLVxx	<input type="checkbox"/> Forward phase low voltage, 20, 40, 60 or 96W
	Nxx	<input type="checkbox"/> Non-dim 100W max.
	D010	<input type="checkbox"/> Dimming via 0-10Vdc
	D010_mA	<input type="checkbox"/> **Constant Current (mA by factory)
	DLUTP96	<input type="checkbox"/> Lutron Hi-Lume Premier 96W (6P lamping only)
	DDMX	<input type="checkbox"/> Dimming via DMX
	DALI	<input type="checkbox"/> Dimming via DALI
Voltage	UNV	<input type="checkbox"/> Universal 120-277V for Nxx or D010 type
	120	<input type="checkbox"/> 120 only for FLV type
	CP	<input type="checkbox"/> Chicago Plenum rated enclosure

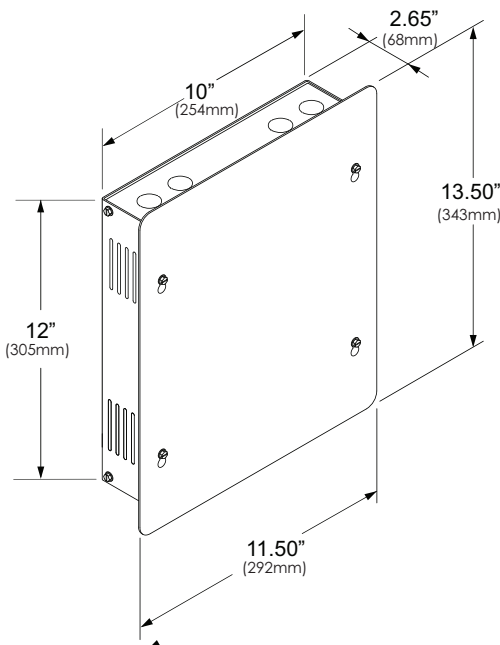
\*Consult factory for DALI, DMX & Lutron driver options.

\*\*Constant Current requires a factory programmed driver for each LED panel.

### R-FLVxx-120

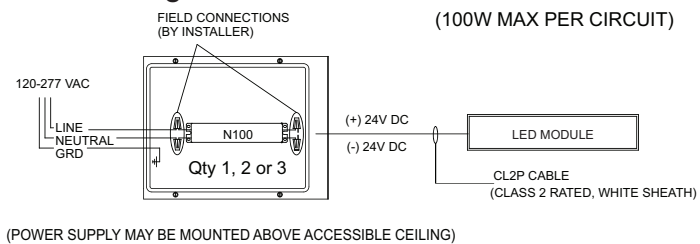


REMOTE POWER SUPPLY  
R-XXX-UNV SERIES



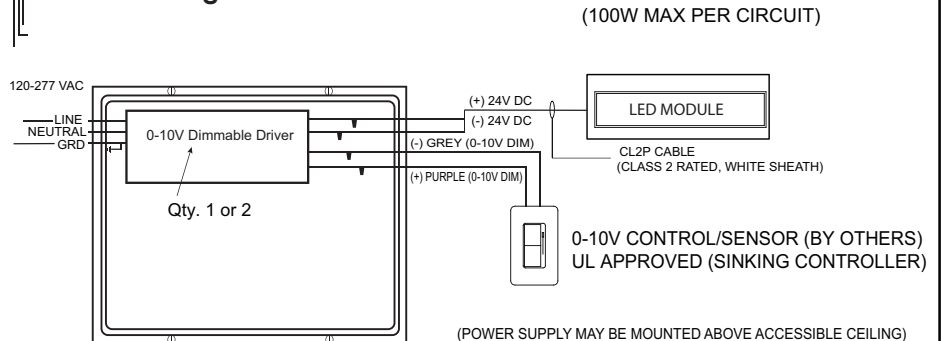
### Non-Dimming - R-x-Nxx-UNV

24VDC CLASS 2 WIRING  
(100W MAX PER CIRCUIT)



### 0-10V Dimming - R-x-D010-xx-UNV

24VDC CLASS 2 WIRING  
(100W MAX PER CIRCUIT)





# SimpleLine DeadsideLED 1.5, 2.5, 3.0, 4.0 or 6.0 x 5/8"

## Housing

All aluminum housing mounts just like drywall to framing and hat channel to create a monolithic heat sink.  
Housing lip is mudded into surface to provide a trimless installation.  
DxH has straight edge DeadSide for abutting hard, open or ACT surfaces; or DxM has return edge DeadSide with mud lip along an outside corner. DxMW allows 2 row LED required for SD60.  
Foam mud shield keeps aperture clean during install. Easily removed and re-installed as needed.  
Housing ships with 15ft CL2P cable attached to back to reach remote power supply. Longer lengths optional, or 12AWG wire can be added on site; up to 20' with D010 or 50' with Nxx & FLV.  
Multiple housings tab & couple together for straightness.  
Class 2 wiring from remote driver for easy installation & safety.  
ETL listed, damp location, IC rated (including polyurethane insulation).  
For use with 5/8" drywall.

## Various Ends for different starting and stopping conditions:

"M" when mid field. (vinyl, can be field cut)  
"S" when against hard stops (walls, floor, baseboard)  
"AL" & "AR" angle cut.

## Modifications

Runs can be provided to the nearest 1/16" or 1mm.  
"FC" Field cutting allows for a perfect architectural fit. "FC" Housings may be field cut up to 6", then LED panels ordered to fit, DO NOT CUT non-FC HOUSINGS.  
For unique patterns, modifications or to combine with other Dado products, consult factory for shop drawings.

## Transitions

When lens changes directions on same plane or to a 2nd plane. (Minimum length 3.875" or 98mm per side).  
"LT" Left Turn same plane (degrees 90° to 179°)  
"RT" Right Turn same plane (degrees 90° to 179°)  
"IC" inside corner between two planes. Housings overlap and adjust for non-square corners.  
"OC" outside corner around two planes; pre-assembled at factory. 90° standard, consult factory for other angles.

## LED

LED boards attached to aluminum heat sink at factory (no need to clean surface with alcohol on site to prevent air bubbles underneath).  
Low wattage white light LED produces even distribution with no shadows.  
Binned within 3 MacAdam ellipses.  
Blending and overlap keep color and light output uniform.

## Optics

Light guide panel diffuses multiple LED sources.  
Panel plugs into housing via DC quick connects & is secured with clear poly screws for quick & easy replacement.  
Snap-in high transmission acrylic lens, up to 26ft per section, provides a matte white finish & even distribution for a dimensionless appearance.  
Lens fits flush with finished wall surface.  
Shallow & rigid housing ensures constant lens retention along length.

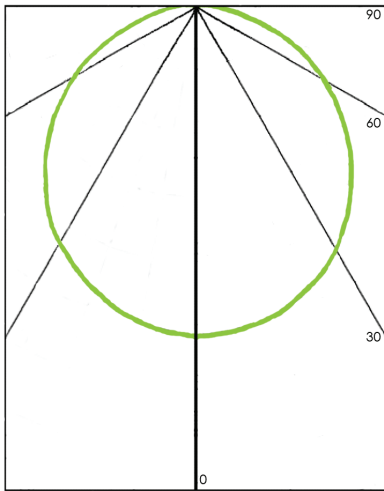
## Options

"CP" Chicago Plenum rated housing with j-box for attachment of 1/2" EMT.  
"EME" (entire fixture) or EM5 (5' section of a run) with EM labeled feed cable(s). Requires relay by others to switch from normal to EM input at driver. Dado does not provide battery packs.  
"EF" Feed cable exits end, instead of back, on 10' or shorter housings.

## Photometric Data

### BALLabs

Independent Test No. 17940.0  
Candlepower Distribution (cd)



Cat No.: S25-MC5-2ML-35-1-W-R-S-24-S-in\*  
Meanwell Driver No.: LPV-20-24 operating at 120v  
Total Lumens: 701

\* Multiply all data by 1.39 for 8.0CC, .50 for 1ML/3.0CC or .25 for 3KL/1.5CC

This is an absolute test  
per LM-79-08  
Luminous Length: 24"  
Width: 2.5"

Angle	Along	45°	Across
0°	259	259	259
5°	262	259	256
10°	256	252	251
15°	252	247	246
20°	240	236	234
25°	230	225	225
30°	219	214	211
35°	202	199	197
40°	186	180	179
45°	166	163	162
50°	149	144	145
55°	128	124	125
60°	107	105	104
65°	85	84	82
70°	65	54	64
75°	43	42	40
80°	25	24	26
85°	9	7	10
90°	0	0	0

### Zonal Lumen Summary

Zone	Lumen	% Luminaire
0-30°	198	28.4%
0-40°	322	46.1%
0-60°	560	80.2%
60-90°	139	19.8%
90-180°	0	0%
0-180°	699	100%

### Luminance Data (cd/m2)

Angle	Along	45°	Across
45°	6017	5905	5868
55°	5713	5529	5575
65°	5128	5065	5003
75°	4288	4186	3982
85°	2729	2122	3032

1. Mount Housing. Pull attached feed cable to Remote Power Supply.



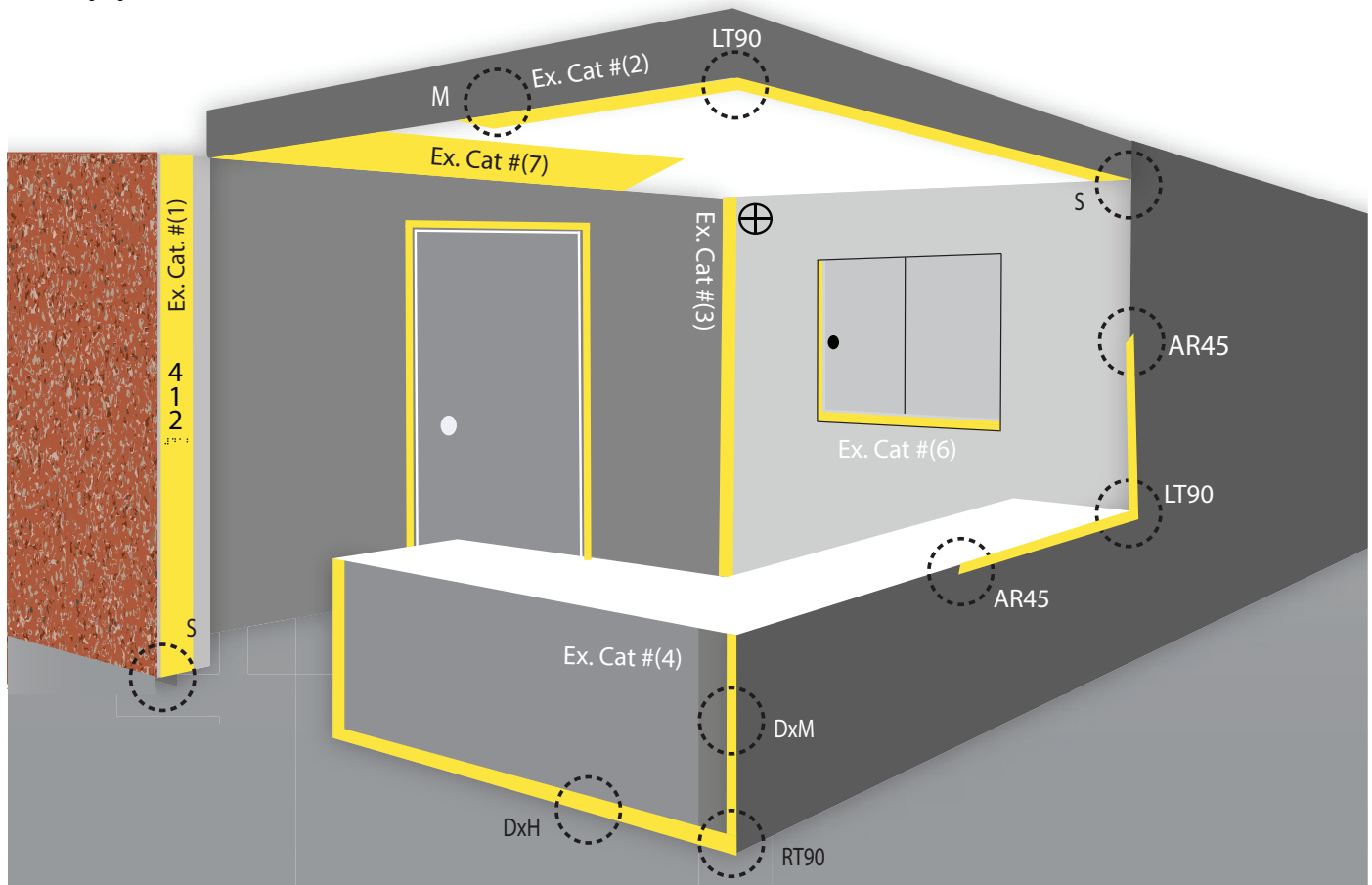
2. Install Drywall, Tape, Mud & Finish.



3. Plug in LED Module & snap in lens.



# SimpleLine DeadsideLED 1.5, 2.5, 3.0, 4.0 or 6.0 x 5/8"

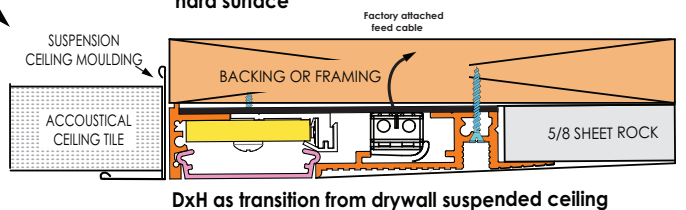
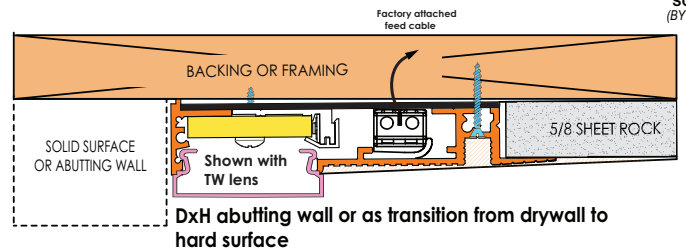
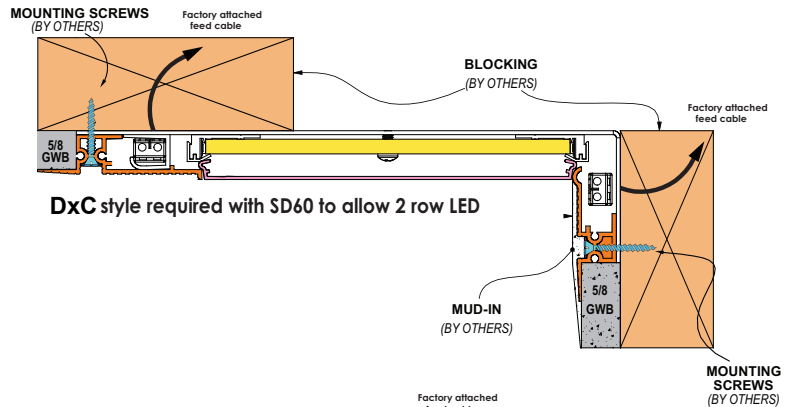


Ex. Cat. #s (xx denotes lengths)

- (1) DeadSide on Left abutting granite with printed graphics on lens:  
SD30-MC5-3KL-30-1-WG-S-xx-DLH-S-in
- (2) Outline a perimeter:  
SD25-MC5-2ML-30-1-R-M-xxDxL-OC90-xxDxH-Finish-in
- (3) Vertical along inside corner  
SD25-MC5-1ML-30-1-W-R-S-xxDxH-S-in
- (4) Outline outside edges & bottom of wall  
SD15-MC5-1ML-30-1-W-R-S-xxDxM-RT90-xxDxH-RT90-xxDxM-S-in
- (5) With L molding attached to interface between drywall and ACT ceilings: SD15-MC5-2ML-30-1-R-M-xxDxH-9F-WH-in
- (6) Rectangle around vertical walls by window or skylight shaft.  
SD25-MC5-1ML-30-1-W-R-PAT-DxM-in
- (7) SD60 with DxH style & 2 row LED. Note 2 row version has same w/ft as 1 row as each row has 1/2 the w/ft.  
SD60-MC5-2MLD-30-1-W-R-S-xx-DxMW-M-in

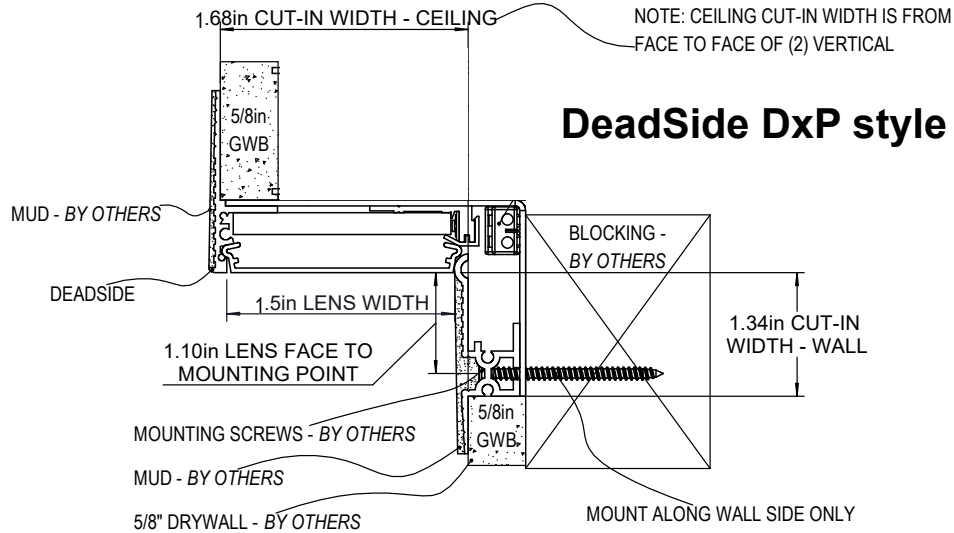
**Notes:**

- Factory attached CL2P feed cable to be run to remote power supply. Shop drawings will show length, quantity & exit location(s). Assembly drawing will detail which driver to land each cable to.
- Consult factory for help with applications not shown or assistance with specifying & ordering.





## DeadSide DxP style for Pilaster/Pop-Up



### CROSS SECTION

#### General Shop Drawing Notes

**J** Symbol = Chicago Plenum rated junction box location.

Pattern is a precise system and assembles in a specific order. Lay out all components prior to installation. Each housing will be uniquely labeled. Refer to the Assembly Sheets for the as built fixtures, packed in with the housings. Housing sections are NOT interchangeable, nor to be field cut unless labeled so. Lead time for replacement parts due to assembly error or un-planned modification on site will depend upon current production schedule and will require at least 2-3 weeks.

- Housings ship with 15 ft of CL2P wire (MirrorLine with 10') unless noted above. Wire is attached to housing at factory. If remote power supply needs to be mounted further away, contractor will need to provide 12AWG wire (up to 50 ft with R-ELV & N100; up to 20' with D010), and junction box to run from power supply to housing cables. Contact Factory for price to ship housing with longer cable, if j-box cannot be added within 15ft of housing.
- All dimensions are measured along the longest side of the lens; unless otherwise noted; e.g. CL = Centerline. For DeadSide fixtures, lengths are along DeadSide edge of lens.
- Order length for MirrorLine, SimpleLine, SimpleLine DeadSide is dimension of snap-in lens. S end adds .063" thick plate to end. M end adds 1.25" to overall dimension. Cut-in length is lens/order length plus .063" at each end. For GridLine, the order length includes .125" end cap at each end of fixture. For HardLine and LiftLine, S end adds .125" end cap at each end of fixture.
- Remote power supply (not shown) may contain multiple drivers inside. #ELV = Electronic Low Voltage which dims to 20% with forward phase dimmer, #N100 = non-dim, #DDMX = DMX dimmable, or **#D010 = 0-10v dimmable**. Dimmed fixtures may flicker below 10%; adjust low-end trim on dimmer accordingly. Input is 120V for ELV and 120-277V for all other drivers.
- Housings with FC option (**DO NOT CUT NON-FC HOUSINGS**) may be field cut up to 6" at labeled end opposite feed cable. **Must use blade for non-ferrous material, 80 teeth minimum**. After cutting, advise length from factory label/mark(s) and allow 2-3 weeks for LED panels.
- LED panels install through aperture of housing & connect via quick-connect to wire harness. Each panel will be uniquely labeled. Panels sections are NOT interchangeable & are NOT field cuttable. Refer to Assembly Sheets for proper location.
- For remodel / cut-in installation, add blocking or drill counter-sunk screw holes as needed. Ensure drywall beneath flange to prevent warping and secure to structure with typical drywall screws.
- For new construction, provide blocking or drill counter-sunk screw holes in center of housing as needed. Secure to structure with typical drywall screws. All fasteners to be flush.
- Multiple **3000K 85+CRI LED** panels installed within each housing; **#1ML = 4.9w/ft**, **#2ML = 9.8w/ft**. DC quick-connect to wire harness for easy replacement through aperture.
- When mudding in fixture, use foam mud shield to keep aperture clean. Foam shield designed for easy removal and replacement during construction process as needed.
- Lens may be shipped rolled up and are to be unrolled flat within 48 hours of receiving to prevent a permanent curl. Allow lens to reach room temperature before installing.
- Extruded aluminum housings up to 123" max. length. Straight sections join with barrel nuts and cross bolt(s) to ensure straightness.

Refer to Installation Instructions for additional notes.

LINE	TYPE	WATTS	CATALOG NUMBER	 1-877-323-6584   cs@dadolighting.com	PROJECT: INV:	
1			SD15-MC5-__ML-__K-1-W-R-PAT -DxP-in / R-x-D010-UNV		CUSTOMER: P.O.:	
				DRAWN: ES REV: 1.0 DATE: 01/23/2019 SHEET		NOT TO SCALE
				APPROVED BY:		DATE: