dado Lighting

SimpleLine RGB/W 1.5, 2.5 or 3.0 x 5/8"

Type:

1.5", 2.5" or 3.0"
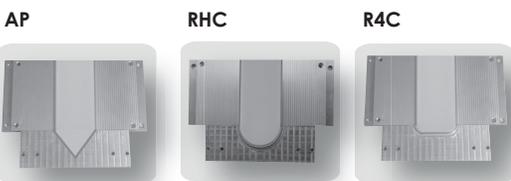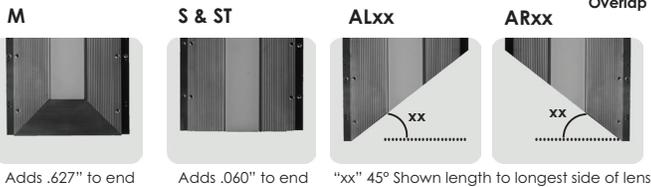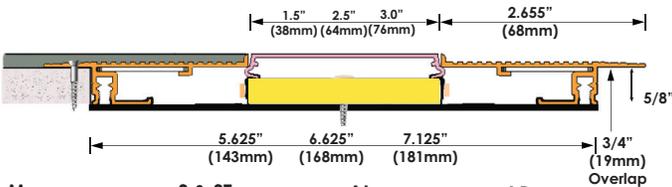
Narrow lines of colored changing or white light
Smooth flush installation in plaster and drywall
Continuous seamless lens
Socket shadow free illumination
Zero cavity construction-no special framing required
Unit fits within the thickness of the finished wall material
LED panels are easily replaced through lens opening

Luminous Length per Specifier

5/8" New or Cut-In Construction

1.5" 2.5" 3.0"   2.655"
(38mm)(64mm)(76mm) (68mm)

5/8"

5.625"   6.625"   7.125"   3/4"
(143mm) (168mm) (181mm)   (19mm)
                              Overlap

M	S & ST	ALxx	ARxx
Adds .627" to end	Adds .060" to end	"xx" 45° Shown length to longest side of lens	

AP   RHC   R4C

LTxxx   RTxx   ICxx   OC90

Ordering

Shipping	C	☐ Ship Complete Fixture
	H	☐ Ship Housing and Driver
	L	☐ Ship LED and Lens
Series	S15*	☐ Simple line LED 1.5 inch width
	S25	☐ Simple line LED 2.5 inch width
	S30	☐ Simple line LED 3.0 inch width
		* S15 not available in RGB/W
Mounting	MC5	☐ New or Cut-in construction 5/8" drywall or thicker
Lamping	1ML	☐ Standard Output LED 4.9w/ft (16w/m)
	2ML	☐ High Output LED 9.8w/ft (32w/m)
Color	27	☐ 2700K, 85+ CRI RGB** ☐Red, Green & Blue
	30	☐ 3000K, 85+ CRI
	35	☐ 3500K, 85+ CRI
		**For RGB & White, specify RGB/White color e.g. RGB/30
Wire Harness	1 or 2	☐ Single or Double (required for RGB/W)
Lens	W	☐ White
Driver	R	☐ Remote
Start End	M	☐ Mud in End
	S	☐ Straight End
	ST	☐ Straight Translucent End
	ALxx	☐ Angle cut Left (degrees 1° to 45°)
	ARxx	☐ Angle cut Right (degrees 1° to 45°)
	AP	☐ Arrow Point End
	RHC	☐ Half Circle Radius End
	R4C	☐ 1/2" Radius Corner End
Length	xx	☐ xx is distance in inch or mm RGB in 12" increments (consult factory for options with other lengths)
Transition (Only if lens changes direction)	LTxx	☐ Left Turn same plane (degrees 90° to 179°)
	RTxx	☐ Right Turn same plane (degrees 90° to 179°)
	ICxx	☐ Inside Corner (degrees 90° to 179°)
	OC90	☐ Outside Corner (degrees 90°) (Patterns are formed by adding lengths and transitions; like walking on a path down the lens)
Finish End	M	☐ Mud in End
	S	☐ Straight End
	ST	☐ Straight Translucent End
	ALxx	☐ Angle cut Left (degrees 45° to 90°)
	ARxx	☐ Angle cut Right (degrees 45° to 90°)
	AP	☐ Arrow Point End
	RHC	☐ Half Circle Radius End
	R4C	☐ 1/2" Radius Corner End
Units	mm	☐ mm
	in	☐ inches
Options	CP	☐ Chicago Plenum

Specify Power Supply on next page or Power Supplies sheet

Environmental Data

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

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

For RGB Lamping:
W: 4.5W/ft (18W/m)
LLD: 50,000
16ft (4.9M) on one 72w driver

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

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

dado Lighting

SimpleLine RGB/W 1.5, 2.5 or 3.0 x5/8"

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.
Housing ships with 15ft CL2P cable attached to reach remote power supply (feeds at "Start End" of run and every 20 feet in longer runs). For longer lengths, contractor can add 50ft of 12awg wire or consult factory.
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).
See companion spec sheets for , "dead side" and "hardside" housings.

Various Ends for different starting and stopping conditions:
"M" when mid field
"S" when against hard stops (walls, floor, baseboard)
"ST" translucent stop, allows light to bridge across control joints
"AL" & "AR" angle cut (1° to 45°)
"AP" arrow point
"RHC" half circle radius
"R4C" 1/2" radius corners

Modifications
Runs can be provided to the nearest 12".
Consult factory for odd lengths,patterns or unique applications.
Factory shop drawings prepared upon request.

Transitions
When lens changes directions on same plane or to a 2nd plane. (Minimum length 12" or 305mm per side).
"LT" Left Turn same plane (degrees 90° to 179°); pre-assembled at factory
"RT" Right Turn same plane (degrees 90° to 179°); pre-assembled at factory
"IC" inside corner between two planes (adjusts +/- 5° in field)
"OC" outside corner around two planes; pre-assembled at factory. 90° standard, consult factory for other angles.

LED
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 barrel connects & is secured with clear poly screws for quick & easy replacement.
Snap-in high transmission acrylic lens, up to 24ft 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 two-position junction box for attachment of 1/2" conduit.

Driver
Remotely located power supply with 24Vdc Constant Voltage output for simple class 2 installation.
Electronic Drivers 50/60 Hz, 120 thru 277 input.
Choice of 0-10V dimming or RGB driver.
Type A Sound Rating,
Non IC installations standard; consult factory for IC installation.
May be surface mounted or recessed.
Housing is die formed 16ga
CRS with White painted after fabrication finish.
Listed for 90°C conductors with 1/2" trade size Knock Outs.

Driver*	R	☐ Remote	
Drive Qty Per Power Supply	X	☐ 1, 2 or x (factory determined) ☐ (2 max. with D010 type)	
Type	D010	☐ Dimming via 0-10Vdc, 100W	
	DRGB	☐ DMX RGB Dimming Module, 72W	
Voltage	UNV	☐ Universal 120-277V	

* See Power Supplies spec sheet for additional versions and details

REMOTE POWER SUPPLY
R-XXX-UNV SERIES

2.65" (68mm)
10" (254mm)
13.50" (343mm)
12" (305mm)
11.50" (292mm)

Dimming - R-1DO10-UNV
R-x-DRGB-UNV

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

FIELD CONNECTIONS
(BY INSTALLER)

120-277 VAC
LINE
NEUTRAL
GRD

N100
DMX RGB DIM
Qty 1 or 2

(+) 24V DC
(-) 24V DC

INTERNAL FIXTURE WIRING
LED MODULE IN HOUSING | LED MODULE IN HOUSING

CL2P CABLE
(CLASS 2 PLENUM RATED, WHITE SHEATH)

DMX Controller or 0-10v Dimmer (by others).

(POWER SUPPLY MAY BE MOUNTED ABOVE ACCESSIBLE CEILING)