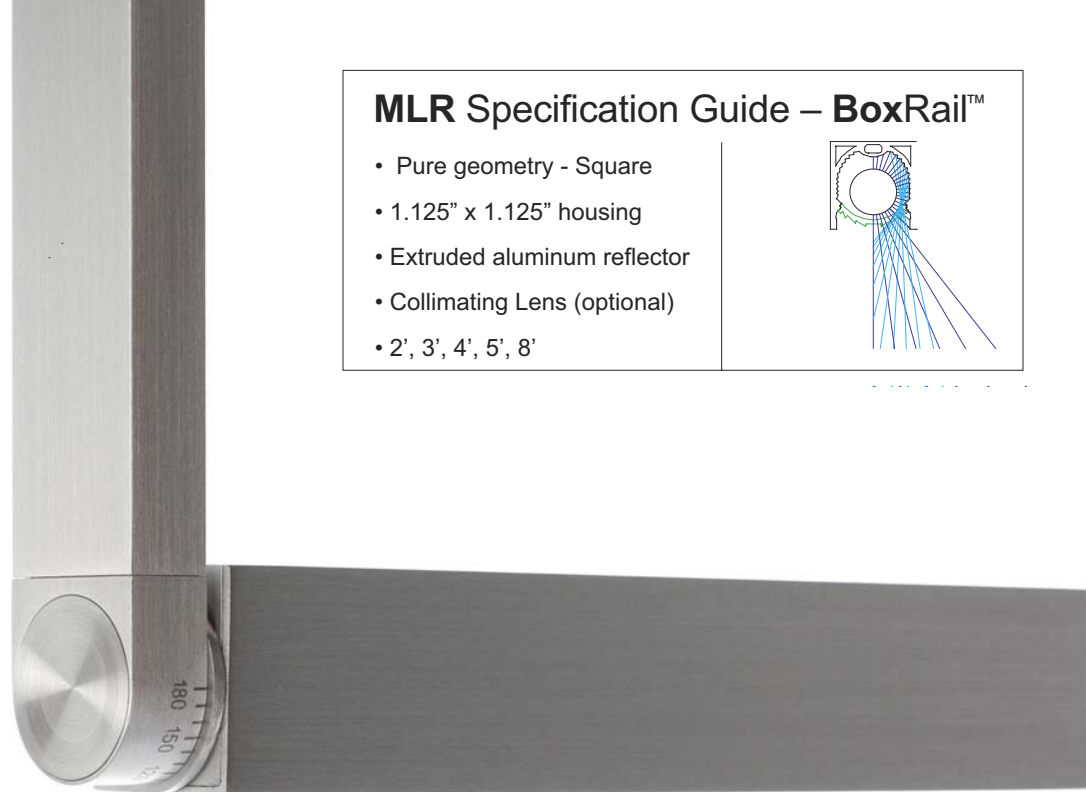
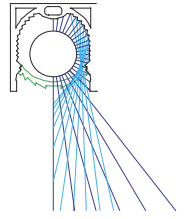




MLR Specification Guide – BoxRail™

- Pure geometry - Square
- 1.125" x 1.125" housing
- Extruded aluminum reflector
- Collimating Lens (optional)
- 2', 3', 4', 5', 8'



DESCRIPTION

BoxRail for Vode MLR System™ - Modular Light Rail is a flexible lighting system designed for T5 and T5 HO fluorescent lamps. Single or Double Rail. 5 Rail profiles available. Wall or ceiling mount. Projection or suspension lengths up to 96". All aluminum housing. PVC and lead free housing and wire harness. Unique hub design allows for 370° rotation with angle gauge and lock-screw.

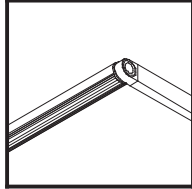
SPECIFICATION CODE

Rail Type	Rail Single Double	Layout*	Mounting	Suspension Projection	Canopy Ballast Location	Ballast Type Voltage	Emergency Ballast†	Lamp	Finish	Lens	Switch Sensor‡
BX											
1	2	3	4	5	6	7	8	9	10	11	12
BX BoxRail		LA layout A LB layout B LC custom layout *see layout matrix	WA wall arm CA ceiling arm		IB integral ballast Remote Ballast Options 00 zero™ canopy 2R 2.5" round canopy 2S 2.5" square canopy 4R 4.5" round canopy 4S 4.5" square canopy	0 no emergency ballast 1 emergency ballast 2 other (specify) †see vode ballast sheet for more information		A brushed aluminum C custom finish (specify)		0 none 1 switch 2 occupancy sensor 3 day sensor ‡see tech sheet for details	
01 single rail	03 double rail with 3.5" tee			03 3" arm		A standard non-dimming		ST standard T5		0 none	
06 double rail with 6" tee	12 double rail with 12" tee			06 6" arm		B 10% dimming		2' = 14w		1 Collimating lens	
18 double rail with 18" tee	18 double rail with 18" tee			12 12" arm		C 1% dimming		3' = 21w			
24 double rail with 24" tee	24 double rail with 24" tee			18 18" arm		D DALI		4' = 28w			
36 double rail with 36" tee	36 double rail with 36" tee			24 24" arm		E other (specify)		5' = 35w			
48 double rail with 48" tee	48 double rail with 48" tee			36 36" arm				HO high output T5			
xx double rail with custom tee (specify tee length in inches)				48 48" arm				2' = 24w			
				96 96" arm				3' = 39w			
				xx custom arm (specify in inches)				4' = 28w			
								5' = 80w			

1. Rail Type Specify rail type. Extruded aluminum reflector is adjustable, rotating 370°. Angle gage and lockscrew

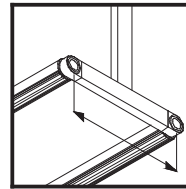
2. Single/Double Rail Specify:

Single Rail



or:

Double Rail
separation distance
up to 96"

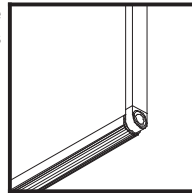


3. Rail Length and Layout Specify individual Rail section or continuous row of any length. Any combination of Rail lengths may be used. Rail lengths are: 2' (24 1/8"), 3' (36"), 4' (48"), 5' (60"), 8' (96"). Select Rail length and number of Rails from Layout Chart below. Your choices are Layout A, Layout B or Custom Layout.

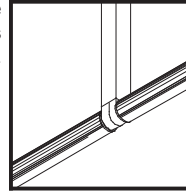
4. Mounting Specify Wall or Ceiling mount.

5. Suspension Projection Specify Arm Length (in inches). Maximum standard length is 96". Arms on wall mounted systems can project 24" without cable support. Arms longer than 24" specified for wall mounted systems are supplied with cable support.

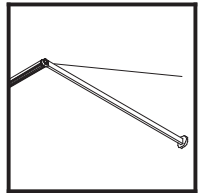
Single Arms are used where Rails end.



Double Arms are used where Rails join.



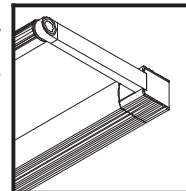
Wall-mounted Arm >24" includes cable support



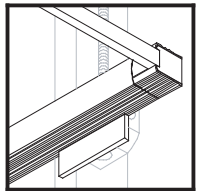
6. Canopy and Ballast Location Specify:

a) Integral Ballast Housing:

Integral Ballast Housing (IB) mounts on surface and accommodates most standard, dimming and emergency ballasts. Direct conduit feed recommended but IB will mount to any standard jbox along any point between 6" from ends of housing. See Emergency Ballast section below.



Square JBox cover plate included with all Integral Ballast Housings

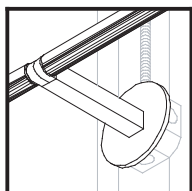


or

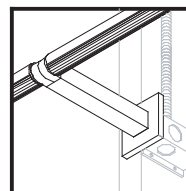
b) Remote Ballast Housing and Canopy:

Remote Ballast Housings accommodate most standard, dimming and emergency ballasts. Maximum distance (include arm length in distance calculation) from RaceRail to ballast is: for standard Ballasts - 14', for dimming ballasts- 4'

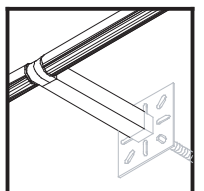
4.5" Square Canopy mounts to any standard jbox



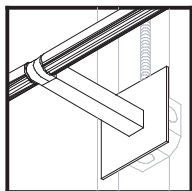
2.25" Square Canopy includes miniature Vode jbox



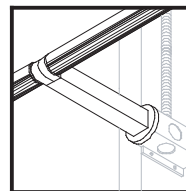
Zero™ Canopy includes "mud-in" backplate. No adjustment after drywall installed.



4.5" Round Canopy mounts to any standard jbox



2.25" Round Canopy includes miniature Vode jbox



7. Ballast Type Standard ballast is 120 -277v electronic programmed start, high efficiency. Normal specification is one ballast per Ballast Housing. Double Rail systems use 2-lamp Ballasts. 2-lamp ballasts available for Single Rail systems to reduce cost. See Ballast Layout Chart on Technical Page at vode.com.

Dimming ballasts:
 10% dimming ballasts dim to 10% of full light output. 1% dimming ballasts dim to 1% of full light output. Lutron two-wire dimming ballasts will be supplied unless otherwise specified. See www.lutron.com
 Lutron EcoSystem and Dali ballasts available. Please contact factory for details.
 Dimming controls (by others) must be compatible with specified ballast.

Maximum distance (include arm length in distance calculation) from RaceRail to ballast is: for Standard Ballasts - 14', for Dimming ballasts- 4'

For complete ballast specifications see vode.com

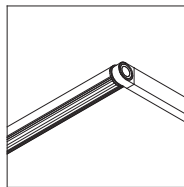
Voltage Specify 120, 277 or 347. Standard ballasts are universal voltage ballasts, 120-277 volts

8. Emergency Ballast Emergency ballasts available for all lamps. Bodine LP550 will be supplied unless otherwise specified. Bodine LP550 provides reduced lumen output to one lamp for a minimum of 90 minutes. See Technical Pages for lumen output lamp chart. Refer to www.bodine.com. For complete ballast specifications see Technical Section at vode.com

9. Finish All system components are extruded aluminum. Finish is brushed then coated with clear matte waterbase lacquer. Powdercoat finish option available in most RAL colors. See www.tigerdrylac.com or contact Vode for details.

10. Lamping T5 or T5HO fluorescent lamps normally provided by others however, Vode can supply lamps if required. See MLR System Configurator for lumens per watt and watts per foot data. IES files available at vode.com.

11. Lens Optional extruded acrylic lens available for RaceRail and BoxRail only. Lenses collimate beam and minimize glare. See vode.com for ies files.



12. Switch/Sensor 120v switch available for Integral Ballast (IB) version only. See Technical Section at vode.com for details

Listing UL, CUL for damp locations

Electrical 90° C wire required for supply connections.
 Line voltage supply wires can be fed through one Intergral Ballast Housing (IB) to the next. Check local codes for maximum load allowed per circuit.