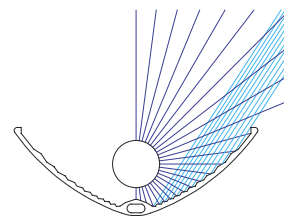




MLR Specification Guide – QueRail™

- Symmetric distribution
- 1.125" x 3.25" housing
- Extruded aluminum reflector
- Stepped wash design
- 2', 3', 4', 5', 8'



DESCRIPTION

QueRail 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

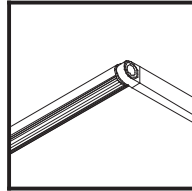
Rail Type	Rail Single Double	Layout*	Mounting	Suspension Projection	Canopy Ballast Location	Ballast Type Voltage	Emergency Ballast†	Lamp	Finish	Lens	Switch Sensor‡
QU											
1	2	3	4	5	6	7	8	9	10	11	12
QU QueRail		LA layout A LB layout B LC custom layout *see layout matrix	WA wall arm CA ceiling arm		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 not available	
06 double rail with 6" tee	12 double rail with 12" tee			06 6" arm		B 10% dimming		2' = 14w			
12 double rail with 12" tee	18 double rail with 18" tee			12 12" arm		C 1% dimming		3' = 21w			
18 double rail with 18" tee	24 double rail with 24" tee			18 18" arm		D DALI		4' = 28w			
24 double rail with 24" tee	36 double rail with 36" tee			24 24" arm		E other (specify)		5' = 35w			
36 double rail with 36" tee	48 double rail with 48" tee			36 36" arm				HO high output T5			
48 double rail with 48" tee	xx double rail with custom tee (specify tee length in inches)			48 48" arm		1 120 v		2' = 24w			
				96 96" arm		2 277 v		3' = 39w			
				xx custom arm (specify in inches)		3 347 v		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

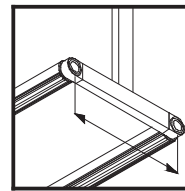
Specify:

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.

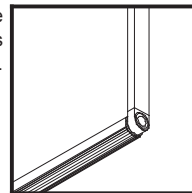
4. Mounting

Specify Wall or Ceiling mount.

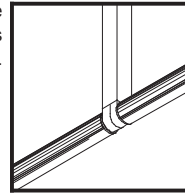
5. Suspension Projection

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

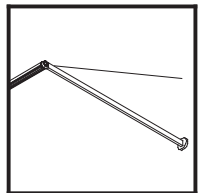
Single Arms are
used where Rails
end.



Double Arms are
used where Rails
join.



Wall-mounted Arm
>24" includes cable
support

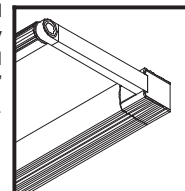


6. Canopy and Ballast Location

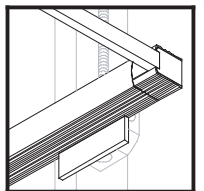
Specify:

a) Integral Ballast Housing:

Integral Ballast Housing (IB) mounts on surface and accomodates 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

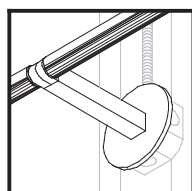


or

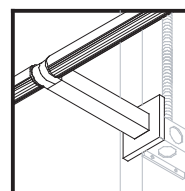
b) Remote Ballast Housing and Canopy:

Remote Ballast Housings accomodate 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'

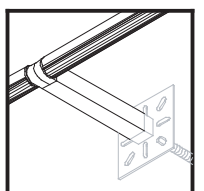
4.5" Square Canopy
mounts to any
standard jbox



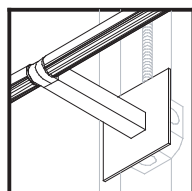
2.25" Square Canopy
includes miniature
Vode jbox



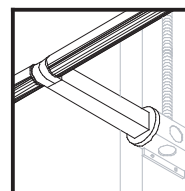
Zero™ Canopy includes
"mud-in" backplate. No
adjustment after drywall
installed.



4.5" Round Canopy
mounts to any
standard jbox



2.25" Round Canopy
includes miniature
Vode jbox

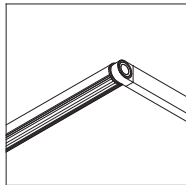


- 7. Ballast Type** Standard ballast is 120 -277v electronic programmed start, high efficiency. Normal specification is one ballast per Ballast Housing. Double Rail sytems use 2-lamp Ballasts. 2-lamp ballasts available for Single Rail systems to reduce cost. See Ballast Layout Chart on Techincal Page 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 compatable 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
- 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. Powdercaot 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 collumate beam and minimize glare. See vode.com for ies files.


- 12. Switch/Sensor** 120v switch available for Integral Ballast (IB) version only. SeeTechnical 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 fo rmaximum load allowed per circuit.