MODULAR
LIGHTING INSTRUMENTS
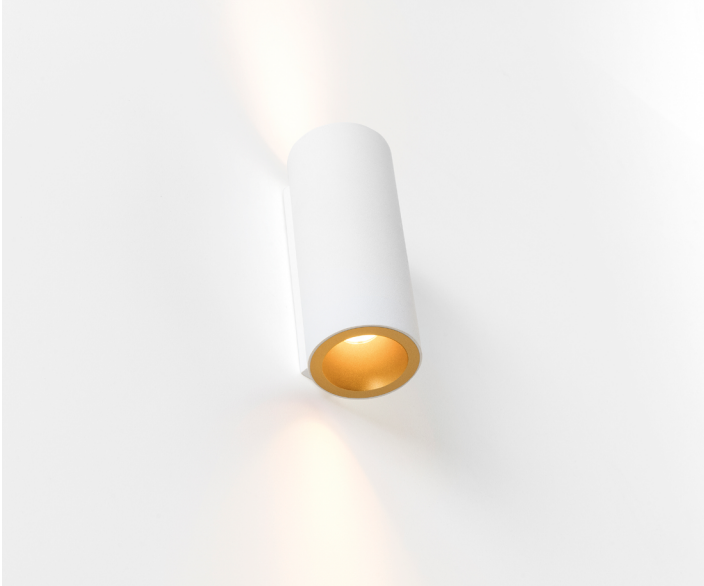— *by MLI NA Corporation*

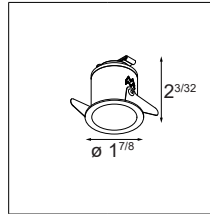*Smart Lotis Tube Wall 1.9*

Overview

With Smart Tube Wall, illumination can now come from above and/or below. Smart Tube Wall units direct light up and down or simply down parallel to a wall, depending on the tube length.

With an outer diameter of 1.9" and an aperture of 1.5 inches, the Smart Lotis 1.9 is compact yet powerful. Forming a UL class 2 luminaire when combined with the tube, the installation options are endless.
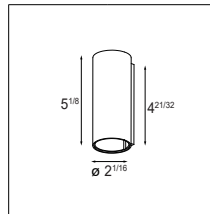
How to Specify (example)
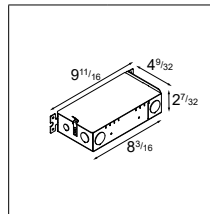
1. Select Lamp Unit → Page 2

ø 1⁷/₈ · 2³/₃₂

Example: **SMART-L-R-1.9-1X-MG-30M-DP-DE-GOMT**
Smart Lotis 1.9, microprismatic glass, 3000K, medium, damp rated, gold
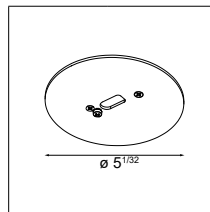
2. Select Tube → Page 3

5¹/₈ · 4²¹/₃₂ · ø 2¹/₁₆

Example: **SMARU-W-UD-1.9-2X-DP-DE-WHS**
Tube Wall 1.9, 2 lamp version, damp rated, white structure

3. Select Remote Driver → Page 4

9¹¹/₁₆ · 4⁹/₃₂ · 2⁷/₃₂ · 8³/₁₆

Example: **NON-IC-RD-DP-010P-350-8**
Remote Driver, NON-IC rated, damp rated, 0-10V, ELV & Triac, 350mA, 8W

### 4. Select Mounting Accessory (optional) → Page 5

ø 5¹/₃₂

Example: **BP-C-44-SMART-TW-1.9-2X-WHS**
Backplate Cover, for 4"x4" octagonal junction box, Tube Wall 1.9, 2 lamp version, white structure

Example order:

Quantity	Item
2	**SMART-L-R-1.9-1X-MG-30M-DP-DE-GOMT**
1	**SMARU-W-UD-1.9-2X-DP-DE-WHS**
1	**NON-IC-RD-DP-010P-350-8**
1	**BP-C-44-SMART-TW-1.9-2X-WHS**

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Lamp Specifications

- Aperture: 1.5"
- Trim material: cast aluminum
- Trim finish: powder coat or wet paint
- Must be combined with tube

2 $^{3/32}$
ø 1 $^{7/8}$
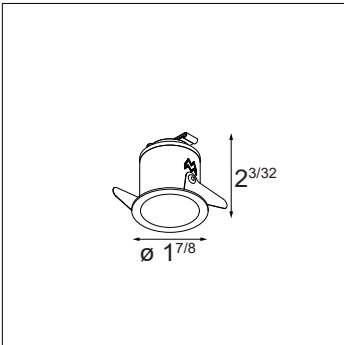
Smart Lotis 1.9

Finish Information

Black Structure (BLS) Powder Coat (Matte)	White Structure (WHS) Powder Coat (Matte)	Gold (GOMT) Wet Paint (Matte)

Ordering Information

SMART-L-R-1.9-1X	-		-		-	DP	-	DE	-		

SMART-L-R-1.9-1X	Smart Lotis Recessed 1.9	**MG**	Microprismatic Glass	**27**	2700K	**M**	Medium (27°)	**DP**	Damp Location		**BLS**	Black Structure
				30	3000K						**WHS**	White Structure
				35	3500K	**WD versions**					**GOMT**	Gold Matte
				WD	Warm Dim 3000K - 1800K	**F**	Flood (42°)					

Tube Specifications

- Tube material: cast aluminum
- Tube finish: powder coat
- Driver: not included in the tube
- Must be combined with remote driver (specify on page 4)
- Suitable for 1 lamp unit (1X versions) or 2 lamp units (2X versions)
- Included: plaster finish plate for installation with a 4"x4" octagonal junction box (junction box is not required for installation)
- Can optionally be combined with Backplate to cover a junction box (specify on page 5)
- Weight: 0.6lbs (1X versions), 0.8lbs (2X versions)
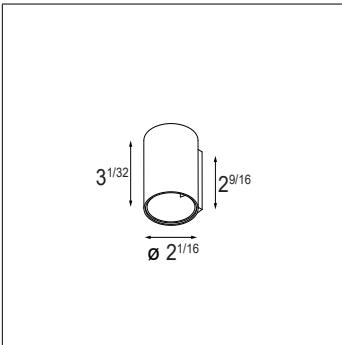
Tube Wall 1.9 1X

Tube Wall 1.9 2X

Finish Information

Black Structure (BLS)
Powder Coat (Matte)

White Structure (WHS)
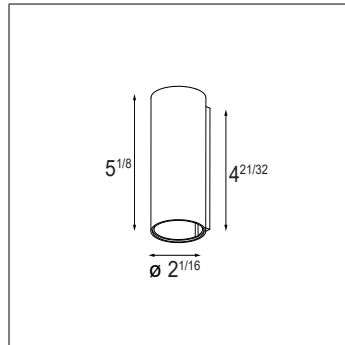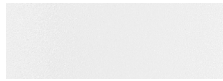Powder Coat (Matte)

Tube Specifications & Ordering Information

| Ordering Code	Version	Finish	Compatible Drive Current [1]	Compatible Lamp Type
SMARU-W-1.9-1X-DP-DE-BLS	Tube Wall 1.9 1X	Black Structure	250mA DC, 350mA DC & 500mA DC	Fixed CCT & Warm Dim
SMARU-W-1.9-1X-DP-DE-WHS	Tube Wall 1.9 1X	White Structure	250mA DC, 350mA DC & 500mA DC	Fixed CCT & Warm Dim
SMARU-W-UD-1.9-2X-DP-DE-BLS	Tube Wall 1.9 2X	Black Structure	250mA DC, 350mA DC & 500mA DC	Fixed CCT & Warm Dim
SMARU-W-UD-1.9-2X-DP-DE-WHS	Tube Wall 1.9 2X	White Structure	250mA DC, 350mA DC & 500mA DC	Fixed CCT & Warm Dim

[1] Tube compatible drive current must match Remote Driver output

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Remote Driver Specifications

- Material: sheet metal (galvanized steel)
- Class 2 constant current power supply
- Multiple lamp units can be connected in series to a single driver
- Box can be bottom, side or t-bar mounted
- 4 knockout holes for line voltage conduit or cable connection
- 4 knockout holes for low-voltage conduit or cable connection
- May be placed up to 50ft away using 16AWG wire
- Suitable for damp locations
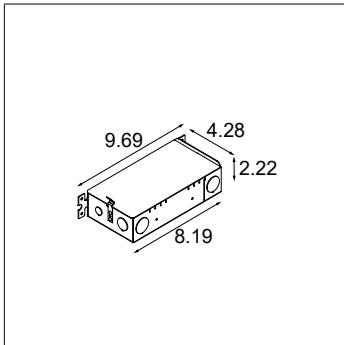
Remote Driver "A"
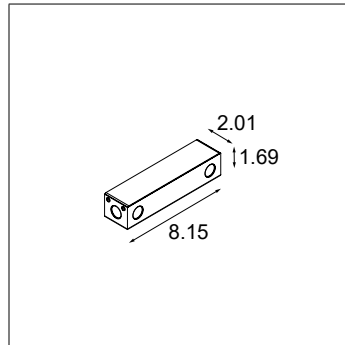
Remote Driver "B"

Remote Driver Specifications & Ordering Information

Ordering Code	Version	Input	Output	Dim [3]	Driver Location					Lamp Units [4]	
					Recessed IC	Recessed Non-IC	Surface	Cabinet	Under Cabinet	Fixed CCT	Warm Dim
IC-RD-DP-0101-EL-250-30	Remote Driver "A"	120-277VAC	250mA	0-10V - 1%	⊙		⊙	⊙	⊙		1 - 2
RD-DP-TE01-250	Remote Driver "B"	120VAC	250mA	ELV & Triac - 0.1%	consult factory						1
NON-IC-RD-DP-010P-250-10	Remote Driver "A"	120-277VAC [2]	250mA	0-10V, ELV & Triac - 1%		⊙	⊙	⊙	⊙		2
IC-RD-DP-0101-EL-350-30	Remote Driver "A"	120-277VAC	350mA	0-10V - 1%	⊙		⊙	⊙	⊙	1 - 5	
NON-IC-RD-DP-010P-350-8	Remote Driver "A"	120-277VAC [2]	350mA	0-10V, ELV & Triac - 1%		⊙	⊙	⊙	⊙	2	
NON-IC-RD-DP-010P-350-11	Remote Driver "A"	120-277VAC [2]	350mA	0-10V, ELV & Triac - 1%		⊙	⊙	⊙	⊙	3	
NON-IC-RD-DP-010P-350-14	Remote Driver "A"	120-277VAC [2]	350mA	0-10V, ELV & Triac - 1%		⊙	⊙	⊙	⊙	4	
IC-RD-DP-0101-EL-500-30	Remote Driver "A"	120-277VAC	500mA	0-10V - 1%	⊙		⊙	⊙	⊙	1 - 5	
IC-RD-DP-TE1-500-12	Remote Driver "A"	120VAC	500mA	ELV & Triac - 1%	⊙		⊙	⊙	⊙	2	
IC-RD-DP-TE1-500-20	Remote Driver "A"	120VAC	500mA	ELV & Triac - 1%	⊙		⊙	⊙	⊙	4	
NON-IC-RD-DP-010P-500-6	Remote Driver "A"	120-277VAC [2]	500mA	0-10V, ELV & Triac - 1%		⊙	⊙	⊙	⊙	1	
NON-IC-RD-DP-010P-500-16	Remote Driver "A"	120-277VAC [2]	500mA	0-10V, ELV & Triac - 1%		⊙	⊙	⊙	⊙	3	
NON-IC-RD-DP-010P-500-21	Remote Driver "A"	120-277VAC [2]	500mA	0-10V, ELV & Triac - 1%		⊙	⊙	⊙	⊙	4	

[2] Dimming via ELV & Triac only compatible at 120VAC input
[3] Consult the factory for dimmer compatibility
[4] Minimum & maximum amount of compatible lamp units, multiple lamp units must be connected in series to a single driver
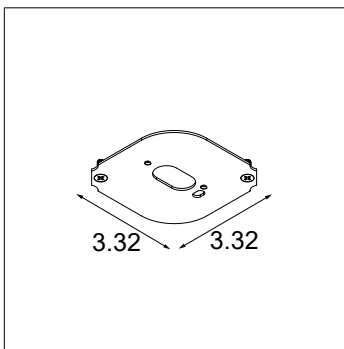
Accessories Specifications
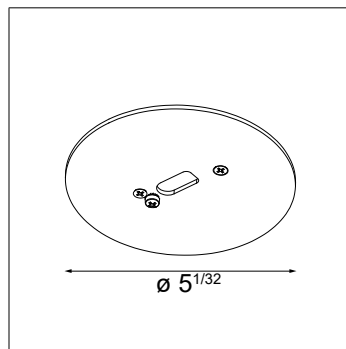
Plaster Finish Plate

- Always included with the Tube
- An additional Plaster Plate can be ordered, to be delivered in advance

Backplate

- Optional
- Covers a 4"x4" octagonal or 3"x2" junction box
- Material: stainless steel
- Finish: powder coat
- Thickness: 0.08"
- Weight: 0.7lbs
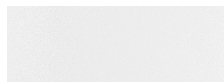
Plaster Plate Tube Wall 1.9

Backplate Tube Wall 1.9

Finish Information

Black Structure (BLS)
Powder Coat (Matte)

White Structure (WHS)
Powder Coat (Matte)

Ordering Information

PP	-	44	-	

PP	Plaster Finish Plate	**44**	For 4"x4" octagonal junction box	**SMART-TW-1.9-1X**	Tube Wall 1.9 1X [5]
				SMART-TW-1.9-2X	Tube Wall 1.9 2X [5]

BP-C	-		-		-	

BP-C	Backplate Cover	**44**	For 4"x4" octagonal junction box	**SMART-TW-1.9-1X**	Tube Wall 1.9 1X [5]	**BLS**	Black Structure
		32	For 3"x2" junction box	**SMART-TW-1.9-2X**	Tube Wall 1.9 2X [5]	**WHS**	White Structure

[5] Size must match Tube size (page 3)

Performance Specifications (per lamp unit)

Lamp Unit	Fixed CCT	Warm Dim
Weight	0.25lbs	0.25lbs
Location	damp	damp
CRI*	92, R9: 60	97, R9: 95
Lifetime	L80 B20 @ 50.000 hrs	L80 B20 @ 50.000 hrs
UGR	see website	see website

Electrical (typical)	Fixed CCT		Warm Dim
Drive Current (mA DC)	350	500	250
Forward Voltage (V)	8.5	8.8	17.0
LED Power (W)**	3.0	4.4	4.3

*   CRI & TM-30 Value for 3000K
** Power figuers exclude remote driver
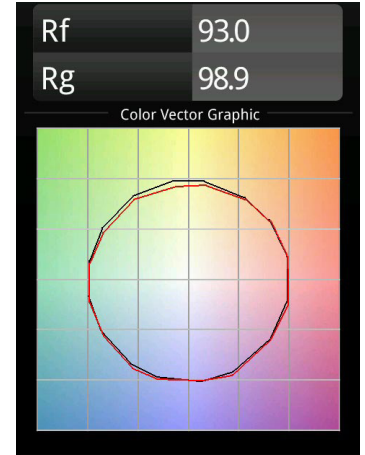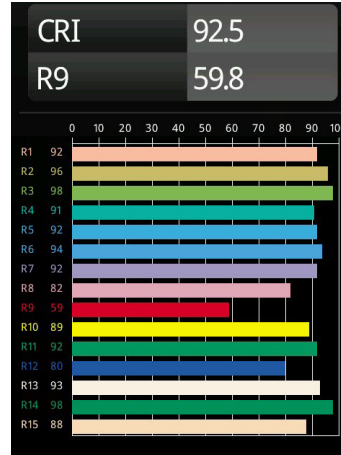
For photometric files see website or contact factory.

Output Specifications (per lamp unit)

Reference Delivered Lumens	CCT	Optics	Drive Current	Finish
305 (ref. 3000K, MG M, 500mA, WHS)	2700K (0.87) 3000K (1.00) 3500K (0.91)	MG M (1.00)	350mA (0.74) 500mA (1.00)	BLS (0.99) WHS (1.00) GOMT (1.03)
172 (ref. 3000K-1800K, MG F, WHS)	3000K - 1800K (1.00)	MG F (1.00)	250mA (1.00)	BLS (0.91) WHS (1.00) GOMT (0.99)

Multipliers are indicated between brackets: ( )
Example calculation, to determine typical output for 2700K, Microprismatic Glass, Medium, 350mA Black Structure: 305 x (0.87) x (1.00) x (0.74) x (0.99) = 194 lumens

Listings and Certifications

- Listed: cULus
- Damp locations
- ADA compliant

Warranty

- Visit https://www.supermodular.com/en-us/warranty/