



**MODULAR**  
LIGHTING  
INSTRUMENTS  
— by MLI NA Corporation

Project

Type

Contact

## Smart Lotis Recessed Adjustable 4.5

### Overview

Smart Lotis is the best known fixture within the Smart family. The deeply recessed cone which holds the light source inspired the designers to create a very versatile spot to be combined with multiple accessories. The Smart family's styling is based on our most popular designs. Since its introduction, Smart has become an extensive portfolio with a broad range of accessories. The new recessed lights can be combined with the optional Smart mask to form the perfect solution for any interior.

With an outer flange diameter of 4.5" and an aperture of 3.1 inches, the Smart Lotis 4.5 is compact yet powerful. Made from die cast aluminum alloy and offered in a variety of finishes.



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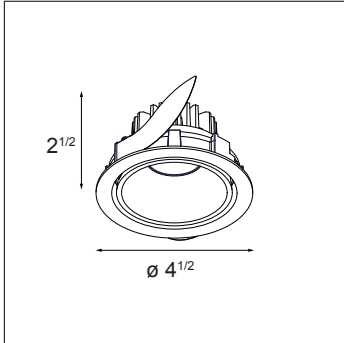
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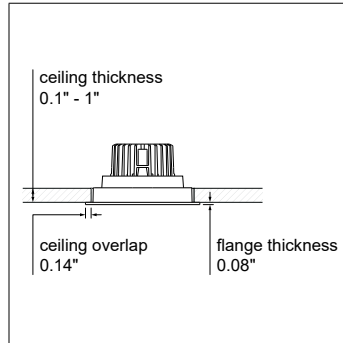
## Smart Lotis Recessed Adjustable 4.5

### Lamp Specifications

- Aperture: 3.1"
- Adjustability: 0-25°
- Trim material: cast aluminum
- Trim finish: powder coat or wet paint
- Must be combined with Housing for new construction or NON-IC Remote Driver for remodel work
- Can optionally be combined with Mask



Smart Lotis Adjustable 4.5

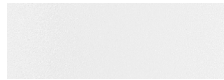


Flange Information

### Finish Information



Black Structure (BLS)  
Powder Coat (Matte)



White Structure (WHS)  
Powder Coat (Matte)



Gold (GOMT)  
Wet Paint (Matte)

### Ordering Information

SMART-L-R-A-4.5-1X		-		-	DP	-	DE	-		
SMART-L-R-A-4.5-1X	Smart Lotis Recessed Adjustable 4.5	27	2700K	F	Flood (39°)	DP	Damp Location		BLS	Black Structure
		30	3000K	M	Medium (25°)				WHS	White Structure
		35	3500K	S	Spot (13°)				GOMT	Gold Matte
		WD	Warm Dim 3000K - 1800K	WD versions						
				F	Flood (40°)					
				M	Medium (24°)					

## Smart Lotis Recessed Adjustable 4.5

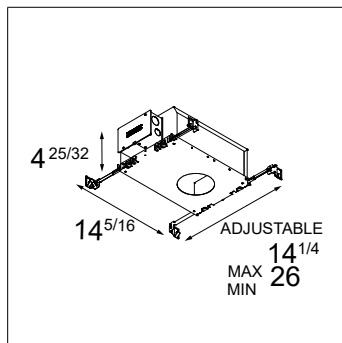
### Driver Included Housing Options

#### IC-UAT Housing

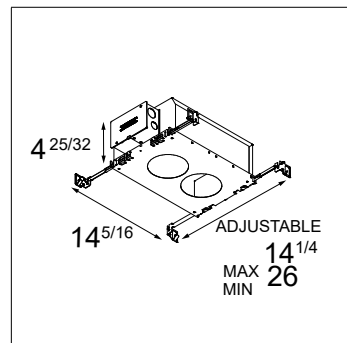
- Material: sheet metal (galvanized steel)
- Driver: included in the housing
- Suitable for 1 lamp unit (1X versions) or 2 lamp units (2X versions)
- IC (insulation contact) rated
- CCEA Chicago Plenum rated & Airtight per ASTM-E283-04
- Not compatible with warm dim lamp units (WD versions)

#### Non-IC Housing

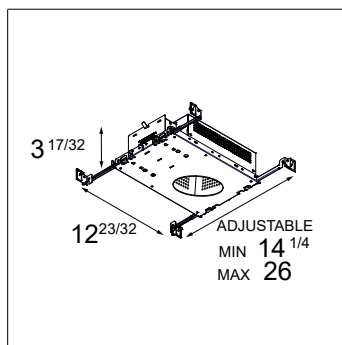
- Material: sheet metal (galvanized steel)
- Driver: included in the housing
- Suitable for 1 lamp unit (1X versions) or 2 lamp units (2X versions)
- For Non-IC (non insulation contact) applications only
- Not compatible with warm dim lamp units (WD versions)



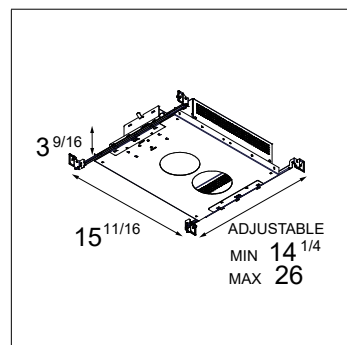
IC-UAT Housing 1X



IC-UAT Housing 2X



Non-IC Housing 1X



Non-IC Housing 2X

### Driver Included Housing Specifications & Ordering Information

Ordering Code	Version	Input	Output	Dim <sup>(2)</sup>	Lamp Type	Connected Load
IC-UAT-SMART-4.5-ADJ-1X-010P-500	IC-UAT Housing 1X	120-277VAC <sup>(1)</sup>	500mA DC	0-10V, ELV & Triac - 1%	Fixed CCT	10.5W
IC-UAT-SMART-4.5-1X-0101-EL-500	IC-UAT Housing 1X	120-277VAC	500mA DC	0-10V - 1%	Fixed CCT	11.6W
IC-UAT-SMART-4.5-ADJ-2X-010P-500	IC-UAT Housing 2X	120-277VAC <sup>(1)</sup>	500mA DC	0-10V, ELV & Triac - 1%	Fixed CCT	21.5W
NON-IC-SMART-4.5-ADJ-1X-010P-500	Non-IC Housing 1X	120-277VAC <sup>(1)</sup>	500mA DC	0-10V, ELV & Triac - 1%	Fixed CCT	10.5W
NON-IC-SMART-4.5-1X-0101-EL-500	Non-IC Housing 1X	120-277VAC	500mA DC	0-10V - 1%	Fixed CCT	11.6W
NON-IC-SMART-4.5-ADJ-2X-010P-500	Non-IC Housing 2X	120-277VAC <sup>(1)</sup>	500mA DC	0-10V, ELV & Triac - 1%	Fixed CCT	21.5W

<sup>(1)</sup> Dimming via ELV & Triac only compatible at 120VAC input

<sup>(2)</sup> Consult the factory for dimmer compatibility

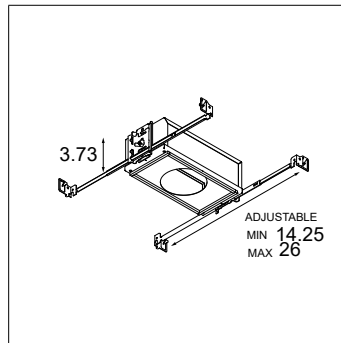
[quick links](#)

## Smart Lotis Recessed Adjustable 4.5

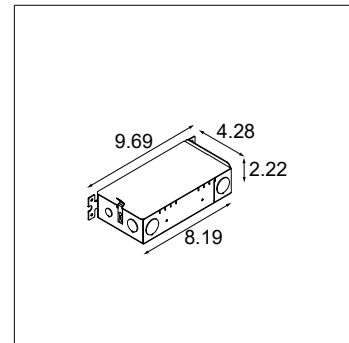
### Housing Options for Remote Driver

#### IC-UAT Housing for Remote Driver

- Material: sheet metal (galvanized steel)
- Driver: not included in the housing
- Each lamp unit needs its own housing
- IC (insulation contact) rated
- CCEA Chicago Plenum rated & Airtight per ASTM-E283-04
- 2 knockout holes for low-voltage conduit or cable connection
- Bar hangers adjustable in height by 1.5" for different mounting heights
- Must be combined with Remote Driver (specify at the bottom of the page)



IC-UAT Housing For Remote Driver



Remote Driver "A"

#### Remote Driver

- 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

### Housing Specifications & Ordering Information

Ordering Code	Version	Compatible Drive Current <sup>(3)</sup>	Compatible Lamp Type
ICB-SMART-4.5-RD-700	IC-UAT Housing for Remote Driver	350mA DC, 500mA DC & 700mA DC	Fixed CCT
ICB-SMART-4.5-RD-350	IC-UAT Housing for Remote Driver	350mA DC	Warm Dim

<sup>(3)</sup> Housing compatible drive current must match Remote Driver output

### Remote Driver Specifications & Ordering Information

Ordering Code	Version	Input	Output	Dim <sup>(2)</sup>	Driver Location					Lamp Units <sup>(4)</sup>	
					Recessed IC	Recessed Non-IC	Surface	Cabinet	Under Cabinet	Fixed CCT	Warm Dim
IC-RD-DP-0101-EL-350-30	Remote Driver "A"	120-277VAC	350mA DC	0-10V - 1%	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	1 - 3	1
NON-IC-RD-DP-010P-350-8	Remote Driver "A"	120-277VAC <sup>(1)</sup>	350mA DC	0-10V, ELV & Triac - 1%	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	1	
NON-IC-RD-DP-010P-350-11	Remote Driver "A"	120-277VAC <sup>(1)</sup>	350mA DC	0-10V, ELV & Triac - 1%	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	2	
NON-IC-RD-DP-010P-350-14	Remote Driver "A"	120-277VAC <sup>(1)</sup>	350mA DC	0-10V, ELV & Triac - 1%	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	2	1
IC-RD-DP-0101-EL-500-30	Remote Driver "A"	120-277VAC	500mA DC	0-10V - 1%	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	1 - 3	
IC-RD-DP-TE1-500-12	Remote Driver "A"	120VAC	500mA DC	ELV & Triac - 1%	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	1	
IC-RD-DP-TE1-500-20	Remote Driver "A"	120VAC	500mA DC	ELV & Triac - 1%	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	2	
NON-IC-RD-DP-010P-500-16	Remote Driver "A"	120-277VAC <sup>(1)</sup>	500mA DC	0-10V, ELV & Triac - 1%	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	2	
NON-IC-RD-DP-010P-500-21	Remote Driver "A"	120-277VAC <sup>(1)</sup>	500mA DC	0-10V, ELV & Triac - 1%	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	2	
IC-RD-DP-0101-EL-700-30	Remote Driver "A"	120-277VAC	700mA DC	0-10V - 1%	Ⓜ	Ⓜ	Ⓜ	Ⓜ	Ⓜ	1 - 2	

<sup>(1)</sup> Dimming via ELV & Triac only compatible at 120VAC input

<sup>(2)</sup> Consult the factory for dimmer compatibility

<sup>(4)</sup> Minimum & maximum amount of compatible lamp units, multiple lamp units must be connected in series to a single driver

[quick links](#)

## Smart Lotis Recessed Adjustable 4.5

### Remodel Options

#### Non-IC Remote Driver

- Material: sheet metal (galvanized steel)
- Each lamp unit needs its own driver
- Lamp unit and driver can be installed from below through the ceiling cutout
- Driver must be placed in the ceiling, min 10" & max 20" from the lamp unit
- Required height to tilt the driver through the cutout: 4" (for ceiling thickness 1/2")
- For Non-IC (non insulation contact) applications only
- 3 knockout holes for line voltage conduit or cable connection
- Includes female connector for connection to lamp unit
- Must be combined with Male Connector (ordered separately)

#### Male Connector

- Required, to connect the lamp unit to the driver
- To be connected to the lamp unit by a contractor

#### Bar Hanger for Non-IC Remote Driver

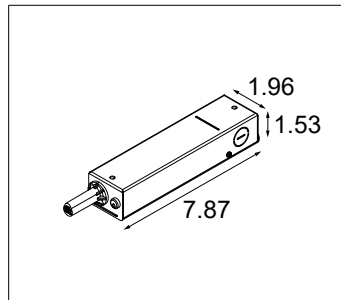
- Optional, attaches to the Non-IC Remote Driver
- Used to span joists or attach to t-bar
- Access above ceiling is required, when the bar hanger is used

#### New Construction Frame

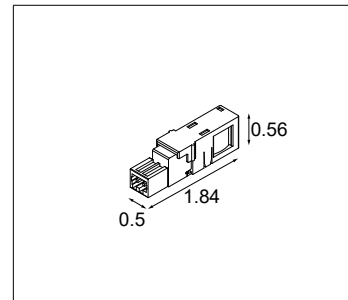
- Optional, with cutout hole for the lamp unit
- Used to span joists or attach to t-bar

#### Recessed Ring

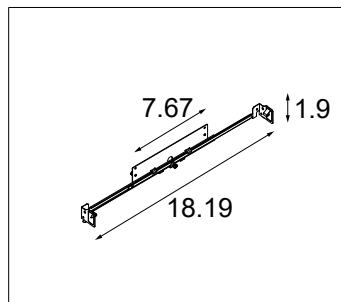
- Optional, for trim installation flush with the ceiling
- Can only be used in combination with the Non-IC Remote Driver
- Can not be used in combination with the New Construction Frame



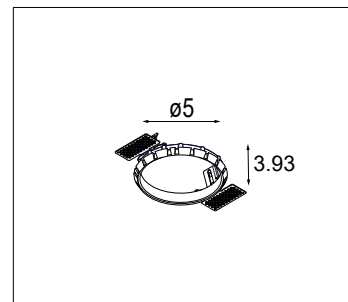
Non-IC Remote Driver



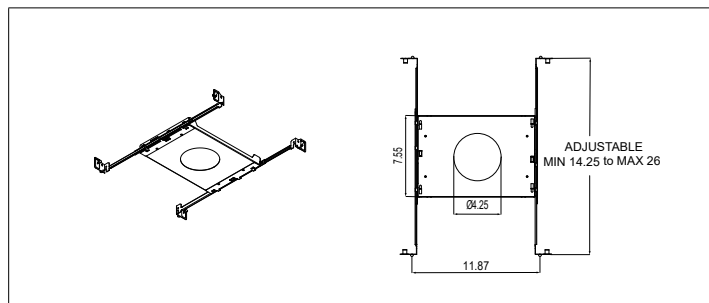
Male Connector



Bar Hanger for Non-IC Remote Driver



Recessed Ring



New Construction Frame

### Remodel Accessories Ordering Information

Ordering Code	Version
MC-RD	Male Connector
BH-RD	Bar Hanger for Non-IC Remote Driver
NCF-4.3	New Construction Frame
RING-R-4.5	Recessed Ring

### Remodel Non-IC Remote Driver Specifications & Ordering Information

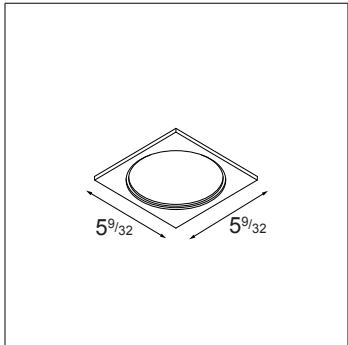
Ordering Code	Version	Input	Output	Dim <sup>(2)</sup>	Lamp Type		Connected Load	
					Fixed CCT	Warm Dim	Fixed CCT	Warm Dim
NON-IC-RD-120-DP-010P-350-8	Non-IC Remote Driver	120VAC	350mA DC	0-10V, ELV & Triac - 1%	Ⓜ		8.7W	
NON-IC-RD-120-DP-010P-350-14	Non-IC Remote Driver	120VAC	350mA DC	0-10V, ELV & Triac - 1%		Ⓜ		16.0W
NON-IC-RD-120-DP-010P-500-9	Non-IC Remote Driver	120VAC	500mA DC	0-10V, ELV & Triac - 1%	Ⓜ		10.9W	
NON-IC-RD-120-DP-010P-700-16	Non-IC Remote Driver	120VAC	700mA DC	0-10V, ELV & Triac - 1%	Ⓜ		15.1W	
NON-IC-RD-277-DP-0101-350-8	Non-IC Remote Driver	277VAC	350mA DC	0-10V - 1%	Ⓜ		8.7W	
NON-IC-RD-277-DP-0101-350-14	Non-IC Remote Driver	277VAC	350mA DC	0-10V - 1%		Ⓜ		16.0W
NON-IC-RD-277-DP-0101-500-9	Non-IC Remote Driver	277VAC	500mA DC	0-10V - 1%	Ⓜ		10.9W	
NON-IC-RD-277-DP-0101-700-16	Non-IC Remote Driver	277VAC	700mA DC	0-10V - 1%	Ⓜ		15.1W	

<sup>(2)</sup> Consult the factory for dimmer compatibility

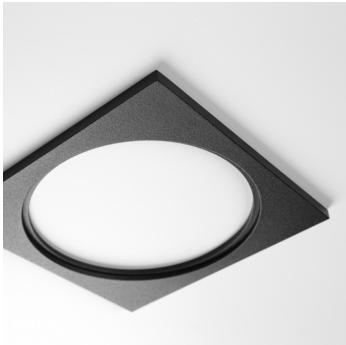
# Smart Lotis Recessed Adjustable 4.5

## Accessories Specifications

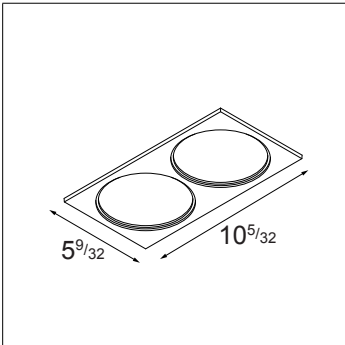
- Accessories are optional
- Available for 1 lamp unit (1X versions) or 2 lamp units (2X versions)
- Mask material: cast aluminum
- Mask finish: powder coat or wet paint
- Mask thickness: 0.2"
- Weight: 0.3lbs (1X version), 0.4lbs (2X version)



Mask 4.5 1X



Mask 4.5 1X



Mask 4.5 2X

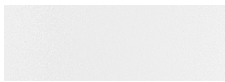


Mask 4.5 2X

## Finish Information



Black Structure (BLS)  
Powder Coat (Matte)



White Structure (WHS)  
Powder Coat (Matte)



Gold (GOMT)  
Wet Paint (Matte)

## Ordering Information

SMART-M-4.5		-		-	
SMART-M-4.5	Mask 4.5	1X	For 1 lamp unit	BLS	Black Structure
		2X	For 2 lamp units	WHS	White Structure
				GOMT	Gold Matte

## Smart Lotis Recessed Adjustable 4.5

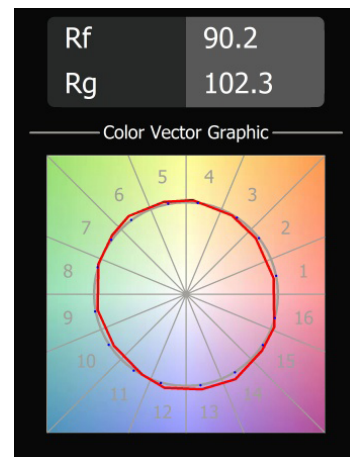
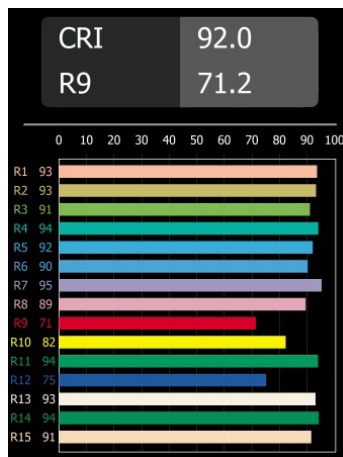
### Performance Specifications (per lamp unit)

Lamp Unit	Fixed CCT			Warm Dim
Weight	1.0lbs			1.0lbs
Adjustability	0-25°			0-25°
Cut-Out Size	Ø4.25"			Ø4.25"
Location	damp			damp
CRI*	92, R9: 71			95, R9: 86
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	700	350
Forward Voltage (V)	14.2	14.4	15.1	33.8
LED Power (W)	5.0	7.2	10.6	11.8

\* CRI & TM-30 Value for 3000K



For photometric files see website or contact factory.

### Output Specifications (per lamp unit)

Reference Delivered Lumens	CCT	Optics	Drive Current	Finish
749 (ref. 3000K, F, 500mA WHS)	2700K (0.96) 3000K (1.00) 3500K (1.04)	F (1.00) M (1.03) S (1.02)	350mA (0.74) 500mA (1.00) 700mA (1.28)	BLS (0.90) WHS (1.00) GOMT (0.94)
881 (ref. 3000K-1800K, F, WHS)	3000K - 1800K (1.00)	F (1.00) M (1.02)	350mA (1.00)	BLS (0.91) WHS (1.00) GOMT (0.93)

Multipliers are indicated between brackets: ( )

Example calculation, to determine typical output for 2700K, Medium, 700mA, Gold: 749 x (0.96) x (1.03) x (1.28) x (0.94) = 891 lumens

### Listings and Certifications

- Listed: cULus
- Damp locations
- CCEA Chicago Plenum (when used with IC-UAT Housing)
- Airtight per ASTM-E283-04 (when used with IC-UAT Housing)



### Warranty

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

quick links