

RECESSED (RC2) SERIES

2" RECESSED LIGHTING



PROJECT

TYPE

NOTES

FEATURES

DESCRIPTION

The Recessed series is a family of high performance, linear luminaires which feature a pre-installed trim flange suitable for gypsum mud or T-Bar ceiling.

CONSTRUCTION

High quality extruded aluminum housing provides a superior fixture enclosure and Extruded DR acrylic frosted lenses ensure pixel free and widespread uniformity.

PERFORMANCE

Premium quality white LED boards providing up to 1800 lumens / ft. Various options of LED drivers, programmable and 0-10V dimming. Other options available such as RGBW, tunable white and dim to warm.

FIXTURE CONFIGURATIONS

Straight or Patterns configurations, single housing up to 12'. Longer runs are achieved with multiple fixtures butt together for a seamless appearance. Endless patterns designs are possible and add a new character to your design.

INSTALLATION

Various ways of simple installation and easy access for maintenance.



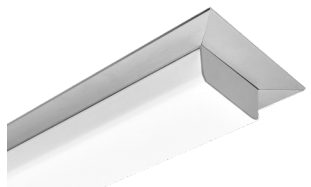
FL - FLAT LENS



FRL - FLAT ROUND LENS



RL - ROUND LENS



SL - SQUARE LENS

SERIES	TRIM	LED TYPE		LUMENS		DRIVER TYPE		LOCATION	CONFIG	MOUNTING	FINISH	LENGTH		
RC2-FL FLAT LENS	T	STANDARD LED		FOR STANDARD LED		FOR STANDARD LED		I INTEGRAL	ST STRAIGHT	TB T-BAR	S SATIN	2'		
	TRIM	27K	2700k	L	LOW	UNV0%	0-10V0%						3'	
	T C	30K	3000k	M	MEDIUM	UNV1%	0-10V1%	4'						
	TRIM	35K	3500k	H	HIGH	UNV10%	0-10V10%		5'					
RC2-FRL FLAT ROUND LENS	CORNER	40K	4000k	CL	CUSTOM LUMENS	UNVCD%	0-10VCD	REMOTE		PTN PATTERN	BKT BRACKET (TRIM OR TRIMLESS)	W WHITE	6'	
	TL					TRIAC	2 WIRE		7'					
	TRIMLESS					DALI	DALI	8'						
	TLC					LTRN	LUTRON		9'					
RC2-RL ROUND LENS	TRIMLESS	SPECIAL LED		FOR SPECIAL LED		FOR SPECIAL LED					FSM FLANGE SCREW MOUNT (TRIMLESS)	A ANTI MICROBIAL	10'	
	CORNER	R	RED	Specify		Refer to driver			11'					
	TB	G	GREEN	required		options in								12'
	T-BAR	B	BLUE	lumens		compatibility chart								
RC2-SL SQUARE LENS	TBC	RGBW	RGBW	or		or		ISM INSIDE SCREW MOUNT (TRIM OR TRIMLESS)		C CUSTOM	PTN Pattern			
	T-BAR	DTW	DIM TO WARM		consult factory		12'							
	CORNER	TW	TUNABLE WHITE		consult factory				OTHER Specify					
												PTN Pattern		
PG. 1,2,3	Refer to PG. 4	Refer to PG. 5		Refer to PG. 5		Refer to PG. 5		Refer to PG. 5		Refer to PG. 6	Refer to PG. 7, 8, 9		Refer to PG. 10	Refer to PG. 10

RECESSED (RC2) SERIES

SERIES - SPECIFICATIONS



SPECIFICATIONS

HOUSING

High quality extruded aluminum housing up to 12' long in one single and continuous housing. Continuous longer fixtures can be made in the field by connecting multiple fixtures using our internal joiners, see page 6 & 10 for more details and options. Consult factory if you require other aperture sizes.

LENS

Extruded, snap on, DR acrylic with white frosted finish for widespread, even light distribution and no pixelation. Four Styles: **FL**-flat lens, **FRL**-flat rounded lens, **RL**-rounded lens, **SL**-square lens, refer to page 1 & 3 for more details and options.

TRIM

Trimmed Exposed, smooth trim around all four sides of the fixture, with satin, white, black or custom finish to match fixture.
Trimless Mud flange mill finish for mud drywall applications. Refer to page 4 for more details.

LED'S

Standard LED'S 60,000 hours. (L70), High uniformity 90CRI, 2700K TO 4000K, refer to page 5 for lumen details and options.
Special LED'S red, green, blue, RGBW, Dim to warm, Tunable white, refer to page 5 for details and options.

LED DRIVERS

Integral or remote, universal voltage (120/277), 0-10V with custom program dimming options, Triac, Dali, Lutron, refer to page 5 for details and options.

CONFIGURATION

Straight Straight fixtures in any length, refer to page 6 & 10 for more details and options.
Pattern A combination of multiple fixtures in any length and in a custom pattern configuration, refer to page 6 & 10 for more details

MOUNTING

T-Bar Works for t-bar ceiling mounting only, refer to page 7 for more details.
Bracket Bracket mounting works with trim and trimless fixtures, ceiling and wall installations, refer to page 8 for more details.
Flange Mount Flange screw mounting is for trimless fixtures only, ceiling and wall installations, refer to page 8 for more details.
Inside Mount Inside screw mounting is for trim and trimless fixtures, ceiling or wall mounted, refer to page 9 for more details.

FINISH

Powder coat and Satin anodized.
Satin and white are standard finishes. Black, custom and antimicrobial are premium finishes, refer to page 10 for more details and options.

FIXTURE LENGTHS

Standard 2', 3', 4', 5', 6', 7', 8', 9', 10', 11', 12', in one single & continuous housing, refer to page 6 & 10 for more details.
Custom Multiple fixtures are connected end to end with our joiners for lengths longer than 12', refer to page 6 & 10 for more details.
Pattern A drawing with specific dimension must be provided for this option, refer to page 6 & 10 for more details.

WARRANTY

Limited Warranty 5 year limited warranty, see [Warranty](#) for full terms.

COMPLIANCE CERTIFICATIONS



RECESSED (RC2) SERIES

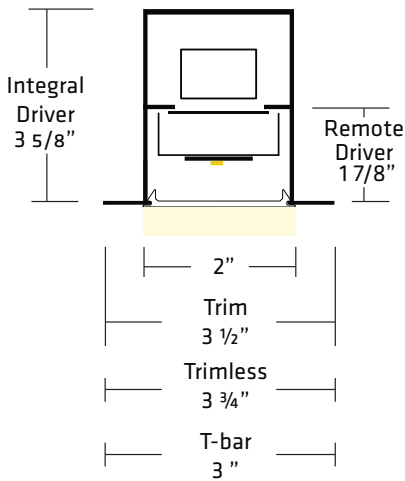
SERIES - PROFILE SIZES



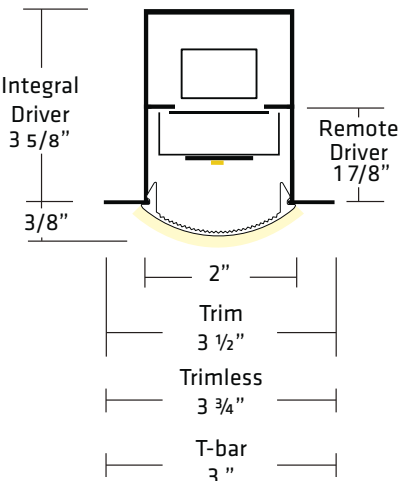
RC2 SERIES - (2" Wide Aperture)

Consult factory for other fixture size requirements

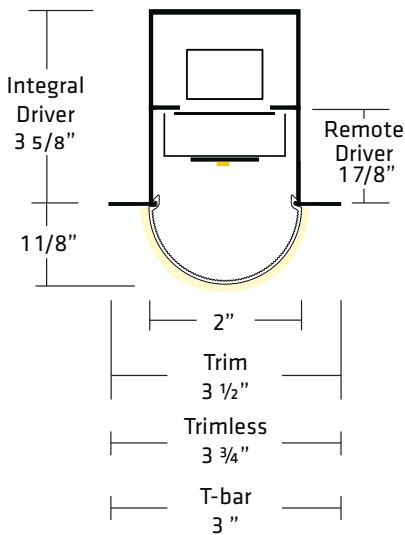
RC2 - FL
FLAT LENS



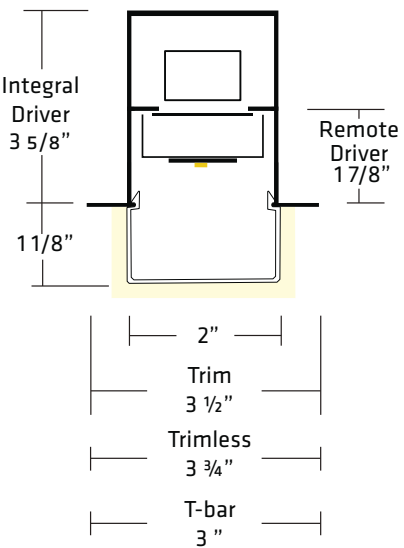
RC2 - FRL
FLAT SEMI-ROUNDED LENS



RC2 - RL
ROUNDED LENS



RC2 - SL
SQUARE LENS



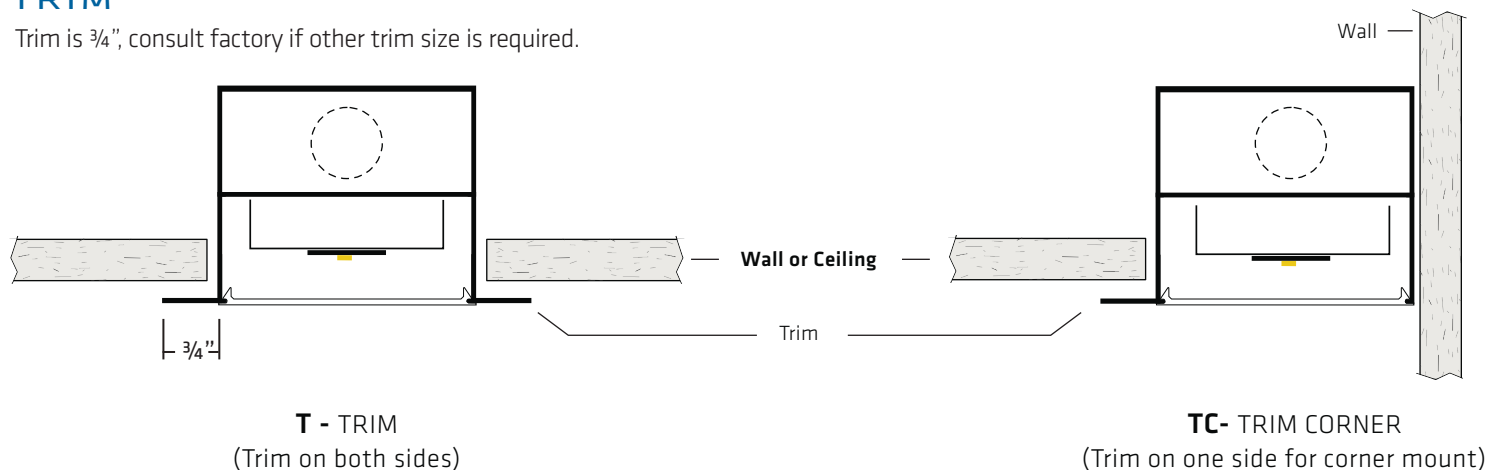
RECESSED (RC2) SERIES

TRIM / FLANGE OPTIONS



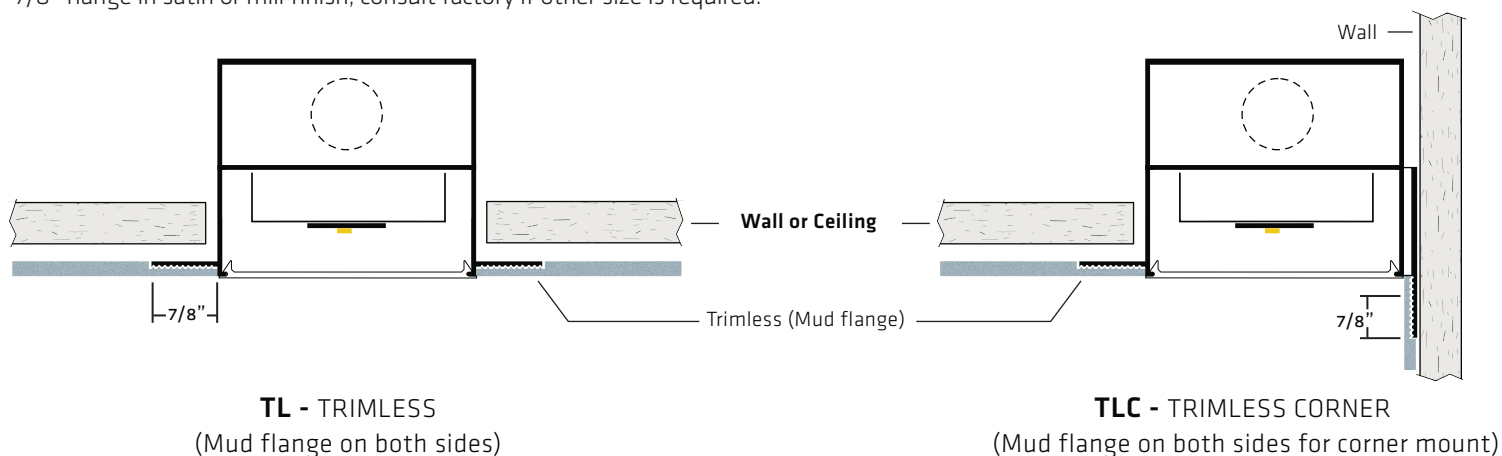
TRIM

Trim is $\frac{3}{4}$ ", consult factory if other trim size is required.



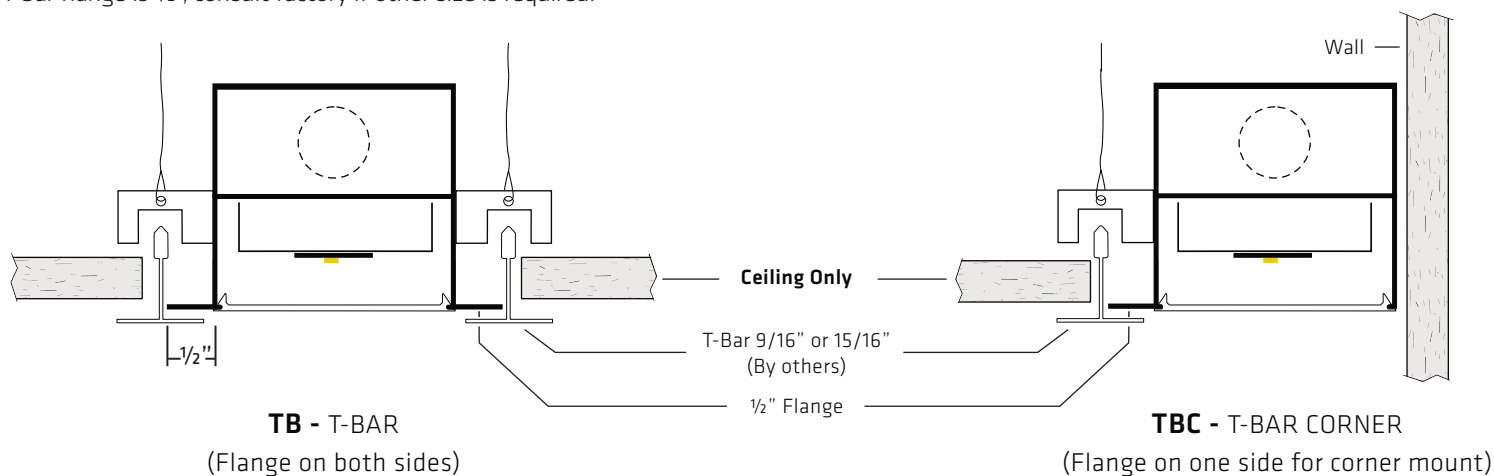
TRIMLESS - (Mud Flange)

$\frac{7}{8}$ " flange in satin or mill finish, consult factory if other size is required.



T BAR

T bar flange is $\frac{1}{2}$ ", consult factory if other size is required.



RECESSED (RC2) SERIES

LED TYPES - DRIVERS



LED TYPES

STANDARD LED'S		DESCRIPTION									
COLOR		CRI	(L) LOW LUMENS			(M) MEDIUM LUMENS			(H) HIGH LUMENS		
27K	2700K	CRI90	433 L/FT	3.5 W/FT	120 L/W	760 L/FT	6.5 W/FT	117 L/W	1026 L/FT	9.0 W/FT	114 L/W
30K	3000K	CRI90	448 L/FT	3.5 W/FT	124 L/W	787 L/FT	6.5 W/FT	121 L/W	1062 L/FT	9.0 W/FT	118 L/W
35K	3500K	CRI90	463 L/FT	3.5 W/FT	129 L/W	814 L/FT	6.5 W/FT	125 L/W	1098 L/FT	9.0 W/FT	122 L/W
40K	4000K	CRI90	478 L/FT	3.5 W/FT	133 L/W	840 L/FT	6.5 W/FT	129 L/W	1134 L/FT	9.0 W/FT	126 L/W

(CL) Custom Lumens. Custom and higher lumen available. Higher Kelvin also available, consult factory.

SPECIAL LED'S	DESCRIPTION		LUMENS
R	RED	Static Red LED	Specify Required Lumens or Consult Factory
G	GREEN	Static Green LED	
B	BLUE	Static Blue LED	
RGBW	RGBW	Color Tuning	
DTW	DIM TO WARM	4000k - 1800K	
TW	TUNABLE WHITE	2700k - 6500K	

Specify or consult factory for any other type of LED requirements not shown above such as led type, LED color, lumens, etc.

LED DRIVERS (Integral or Remote)

DRIVER	DESCRIPTION			
UNV0%	0 - 10V Dimming Driver	0 % Dimming (Dim to Off)	120/277V	(347V Available)
UNV1%	0 - 10V Dimming Driver	1% Dimming	120/277V	(347V Available)
UNV10%	0 - 10V Dimming Driver	10% Dimming	120/277V	(347V Available)
UNV(CD)%	0 - 10V Dimming Driver	Custom Dimming (Specify %)	120/277V	(347V Available)
TRIAC	2 Wire Dimming Driver	2 Wire Phase Triac Dimming	120/277V	
DALI	Dali Dimming Driver	Dali, Specify Dali Type Required	120/277V	(347V Available)
LTRN	Lutron Dimming Driver	Lutron, Specify Type Required	120/277V	

Specify or consult factory for any other type of LED DRIVER requirements not shown above.

LED TYPES & DRIVERS COMPATIBILITY

STANDARD LED'S	DRIVER						
27K	UNV0%	UNV1%	UNV10%	UNVCD%	TRIAC	DALI	LUTRON
30K	UNV0%	UNV1%	UNV10%	UNVCD%	TRIAC	DALI	LUTRON
35K	UNV0%	UNV1%	UNV10%	UNVCD%	TRIAC	DALI	LUTRON
40K	UNV0%	UNV1%	UNV10%	UNVCD%	TRIAC	DALI	LUTRON

SPECIAL LED'S							
R	UNV0%	UNV1%	UNV10%	UNVCD%	TRIAC	DALI	LUTRON
G	UNV0%	UNV1%	UNV10%	UNVCD%	TRIAC	DALI	LUTRON
B	UNV0%	UNV1%	UNV10%	UNVCD%	TRIAC	DALI	LUTRON
RGBW						DALI	LUTRON
DTW	UNV0%	UNV1%	UNV10%	UNVCD%		DALI	LUTRON
TW	UNV0%	UNV1%	UNV10%	UNVCD%		DALI	LUTRON

Specify or consult factory for any other type of LED DRIVER requirements not shown above.

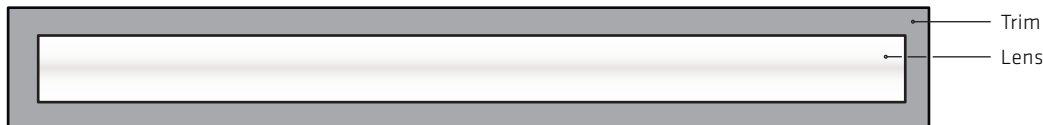
RECESSED (RC2) SERIES CONFIGURATION



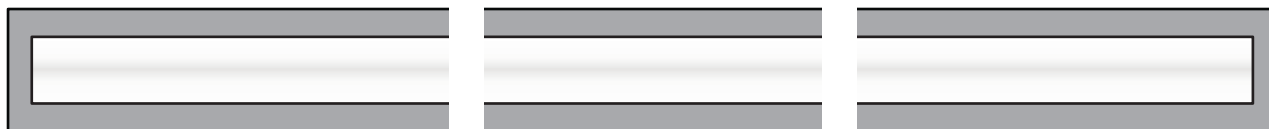
(ST) - STRAIGHT

2' fixture minimum with integral driver and up to 12' long in one single and continuous housing, continuous longer fixtures are made up in the field by connecting multiple fixtures using our internal joiners.

SINGLE HOUSING FOR FIXTURES 2' MINIMUM AND 12' MAXIMUM

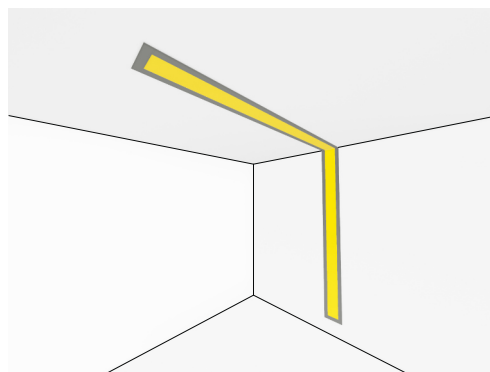
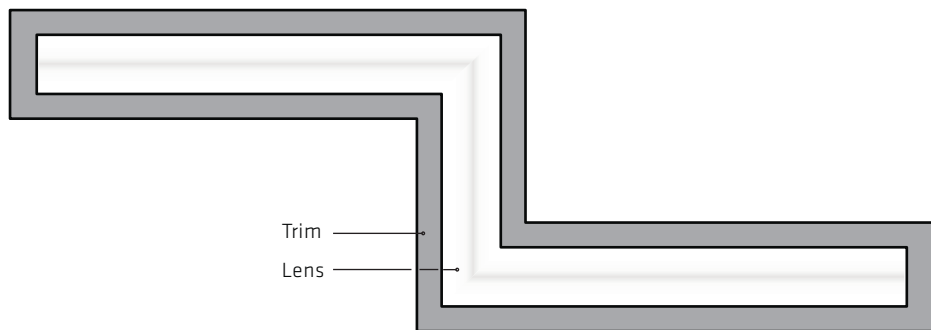


MULTIPLE HOUSINGS FOR FIXTURES LONGER THAN 12'



(PTN) - PATTERN

Patterns are made of multiple straight fixtures placed in different directions to create a custom pattern design on the wall, ceiling or both. Pattern fixtures are made and shipped with factory miter cuts. 2 ft is the minimum fixture length with integral drivers and 12' long the max in a single continuous housing. Multiple fixtures can be connected end to end with our joiners for longer fixture requirements. Drawings with specific dimensions are required for pattern fixtures.



RECESSED (RC2) SERIES

MOUNTING - T BAR



MOUNTING OPTIONS

Below are options and details of some of the the most customary ceiling, wall and ceiling/wall corner installations.

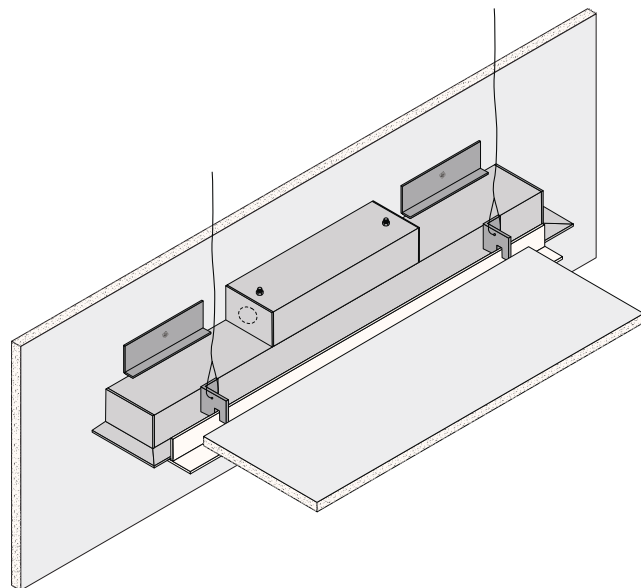
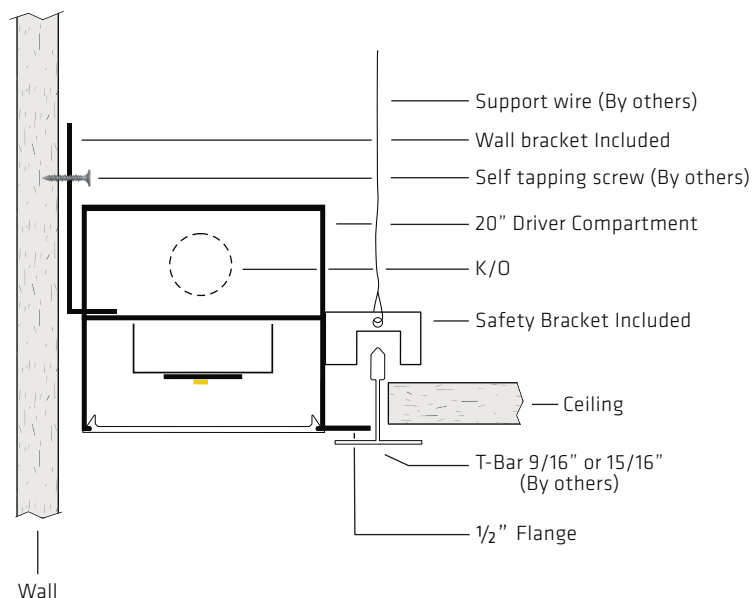
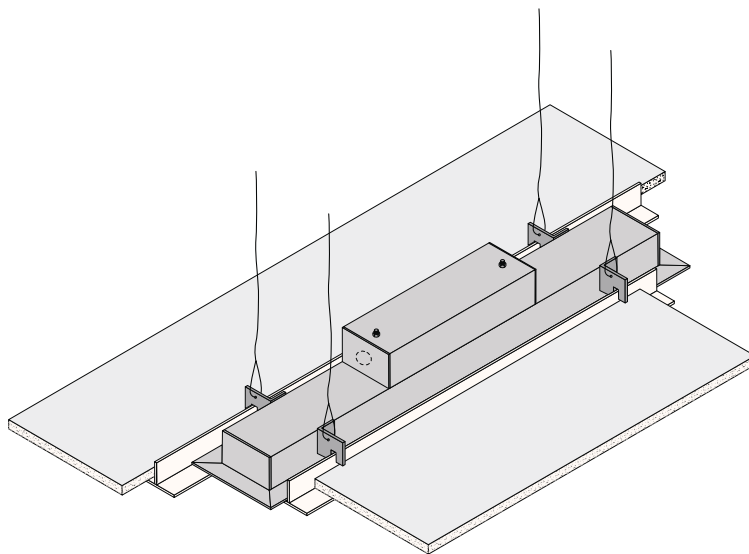
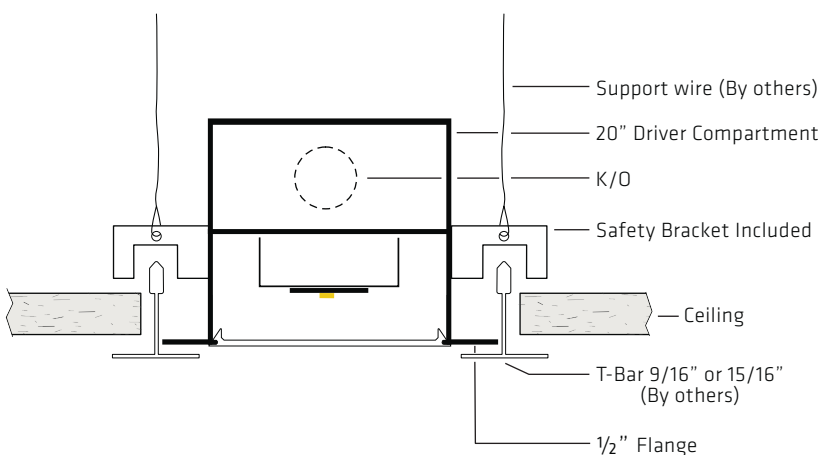
Consult factory for other mounting requirements

Electrical connections must be done by a qualified electrician and according to NEC and local codes

LED Driver access from both, inside and outside of the fixture

(TB) - T BAR

CEILING, OR WALL / CEILING CORNER



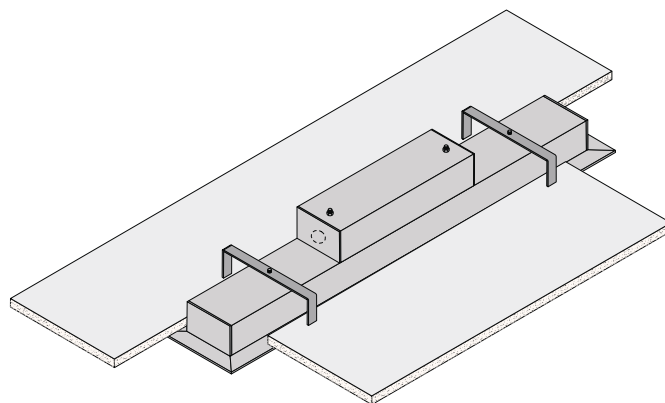
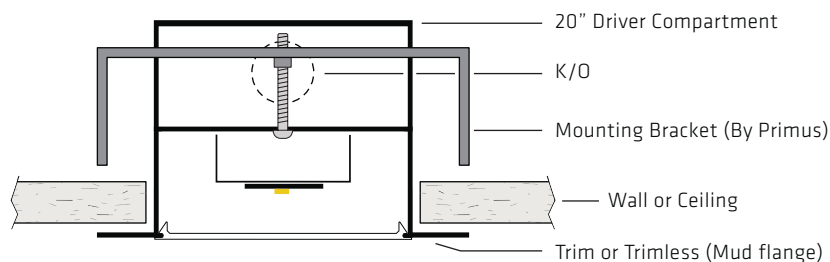
RECESSED (RC2) SERIES

MOUNTING - BRACKET & MUD FLANGE



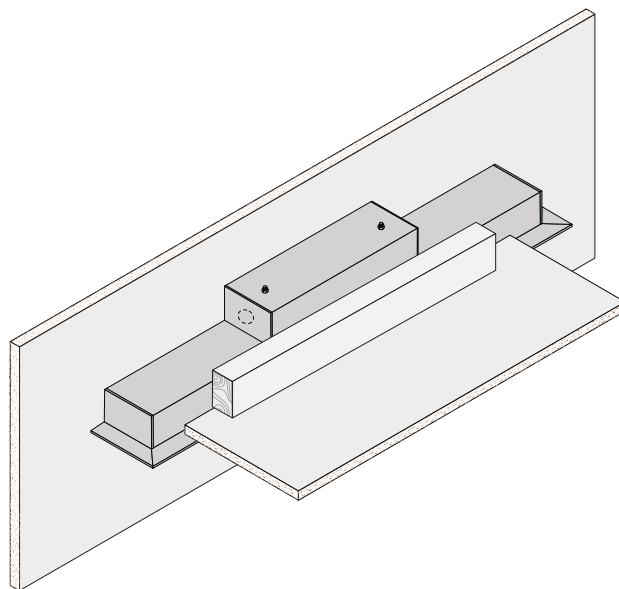
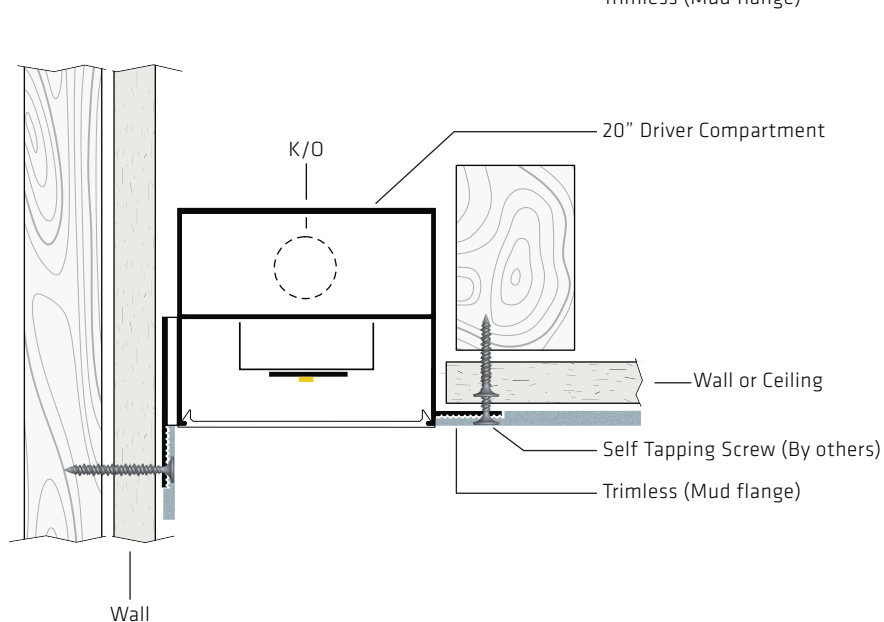
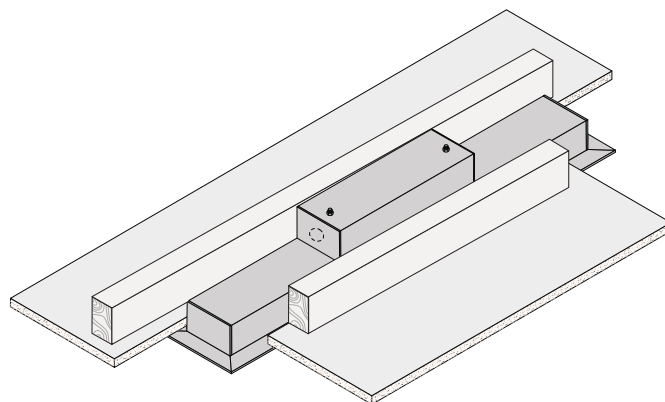
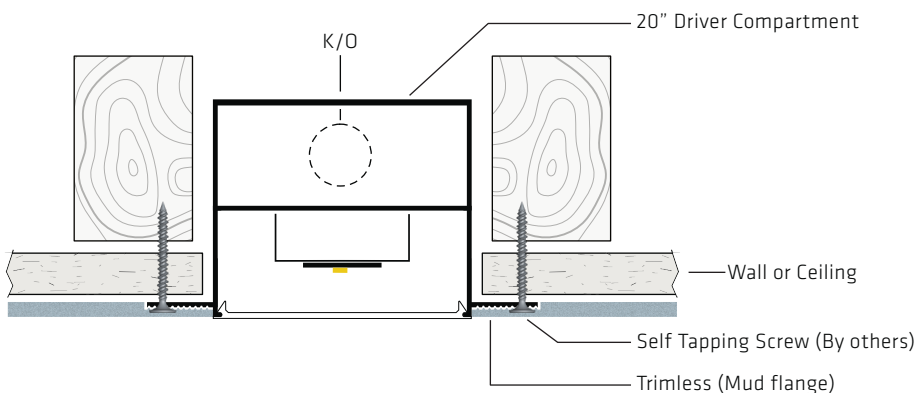
(BKT) - BRACKET

WALL OR CEILING



(FSM) - FLANGE SCREW MOUNT (Trimless, Mud Flange)

WALL, CEILING OR WALL / CEILING CORNER



RECESSED (RC2) SERIES

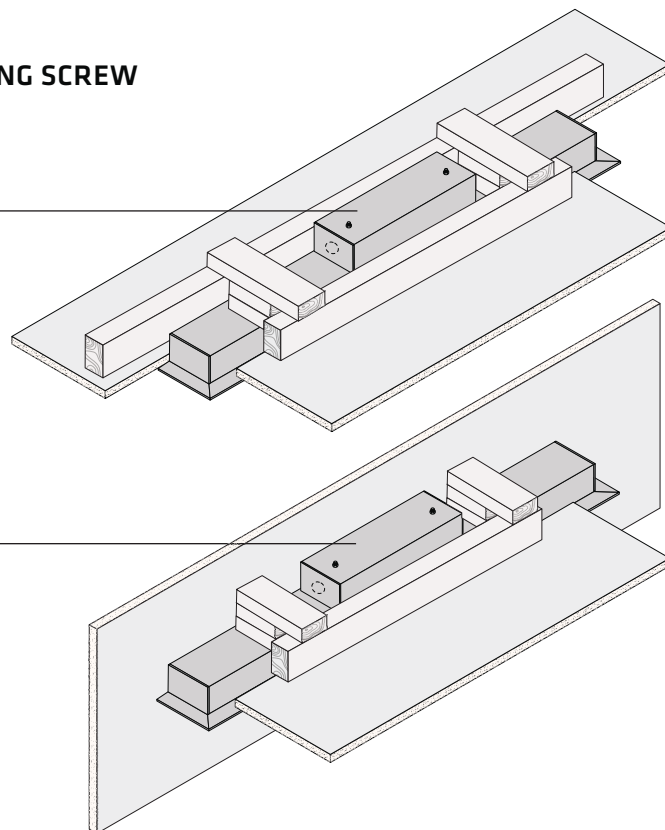
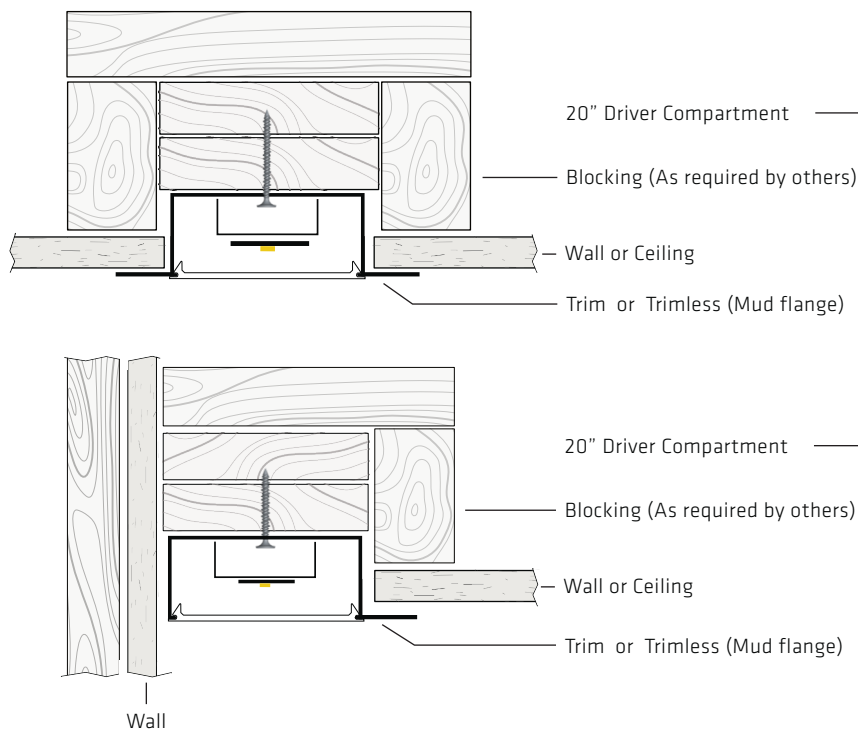
MOUNTING - INSIDE SCREW MOUNT



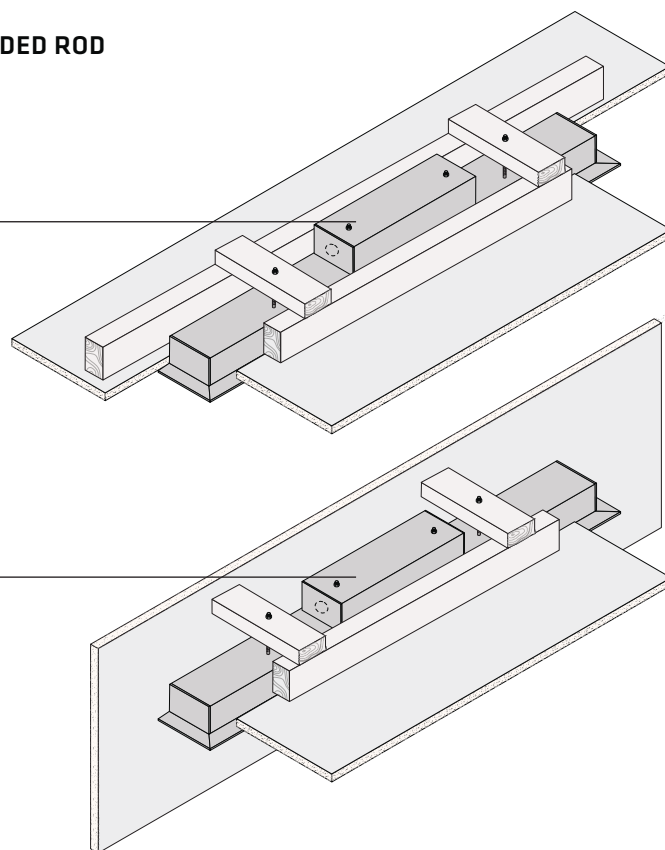
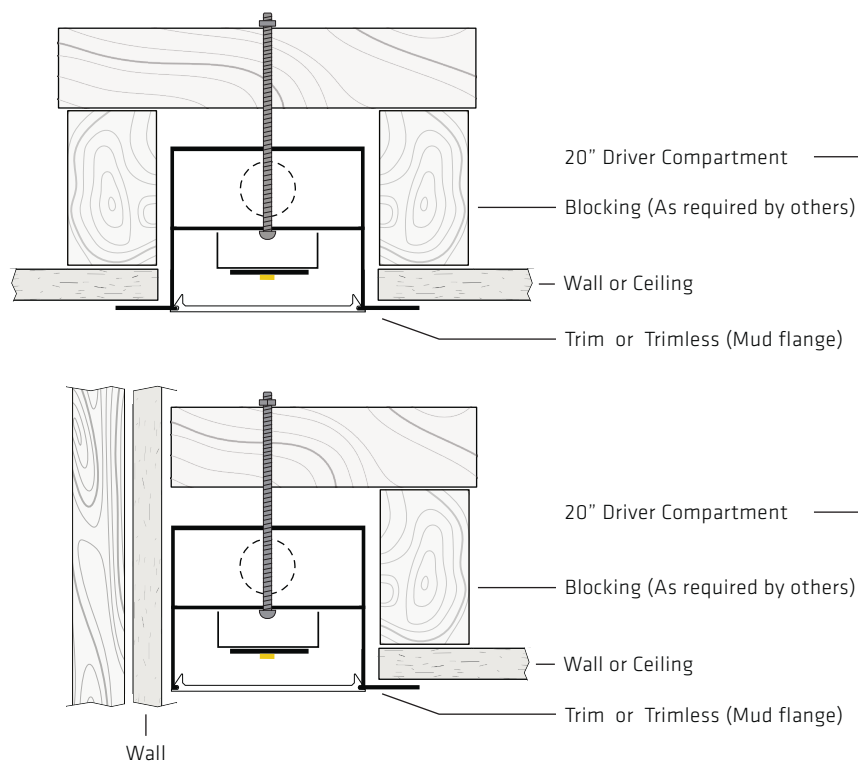
(ISM) - INSIDE SCREW MOUNT

WALL, CEILING OR WALL / CEILING CORNER

INSIDE MOUNT, SELF TAPPING SCREW



INSIDE MOUNT, 1/4" / 20 THREADED ROD



RECESSED (RC2) SERIES

FINISH - FIXTURE LENGTHS



FINISH OPTIONS

Powder coat and satin anodized.
Satin anodized and powder coat white are standard finishes.
Black, custom colors and antimicrobial white finish also available.
White or satin finishes are recommended for indirect lighting applications.
The actual color of the product may vary from what is seen on electronic devices.
We cannot guarantee that the color you see on your screen accurately reflects the true color of the product.
See below for all fixtures pre-selected finish. (Customer must confirm required finish.)



S - SATIN
(Clear Anodized, Standard)

TRIM FIXTURES
TRIMLESS FIXTURES
T BAR FIXTURES



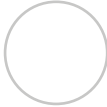
W - WHITE
(Powder Coat, Standard)

TRIM FIXTURES
T BAR FIXTURES



B - BLACK
(Powder Coat, Premium)

TRIM FIXTURES



A - ANTI MICROBIAL
(Powder Coat White, Premium)

TRIM FIXTURES
TRIMLESS FIXTURES



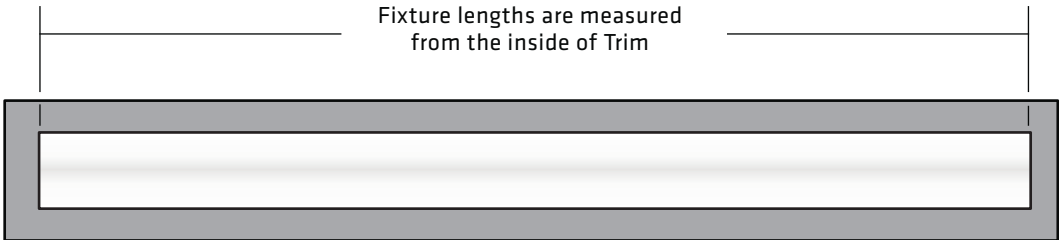
C - CUSTOM COLOR
(Premium, [provide RAL#](#))

TRIM FIXTURES

FIXTURE LENGTHS

Refer to the chart below for standard lengths.
2' Long is the minimum fixture length with integral driver and 1' minimum with remote driver.
12' Long is the maximum length in one single & continuous housing, longer fixtures are made by connecting multiple fixtures end to end.
Drawings with specific dimensions are required for pattern fixtures.

NOMINAL LENGTH	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	OTHER	PTN
ACTUAL LENGTH	25"	34"	49"	56"	73"	89"	97"	111"	121"	133"	145"	(Specify)	Pattern (Provide Drawing)

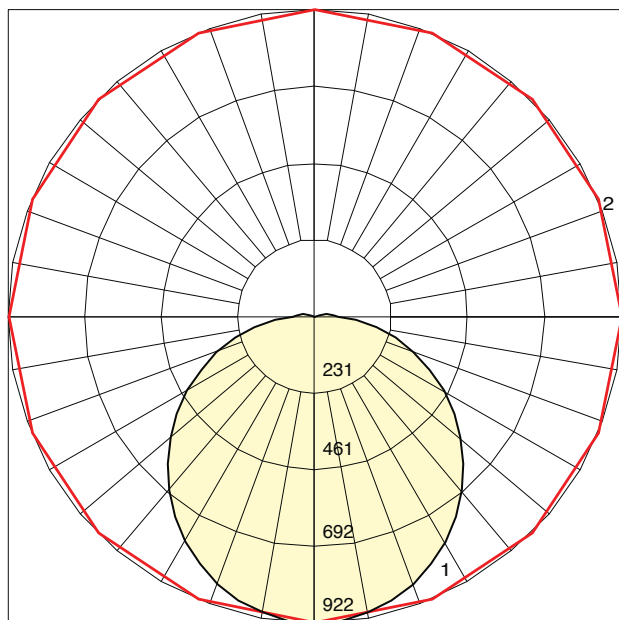


RECESSED (RC2) SERIES

PHOTOMETRICS - RC2



RC2-FL FLAT LENS



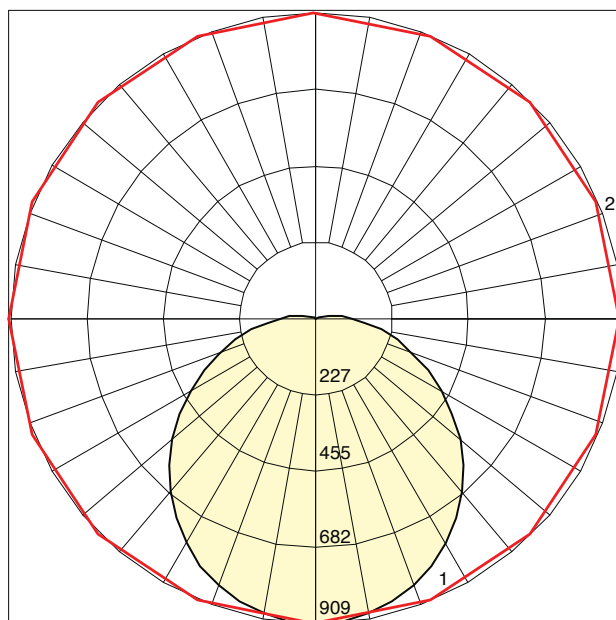
FILENAME: L022511801.IES

Maximum Candela = 922 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (90 - 270)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

RC2-FRL FLAT ROUNDED LENS



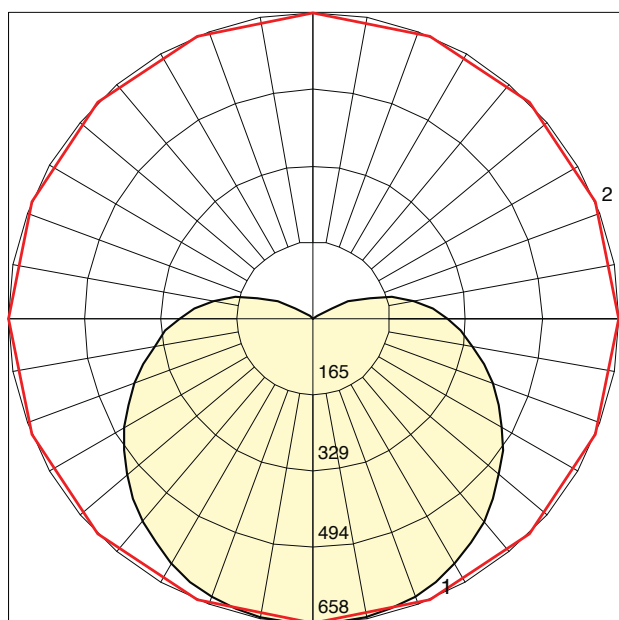
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Maximum Candela = 909 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (90 - 270)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

RC2-RL ROUND LENS



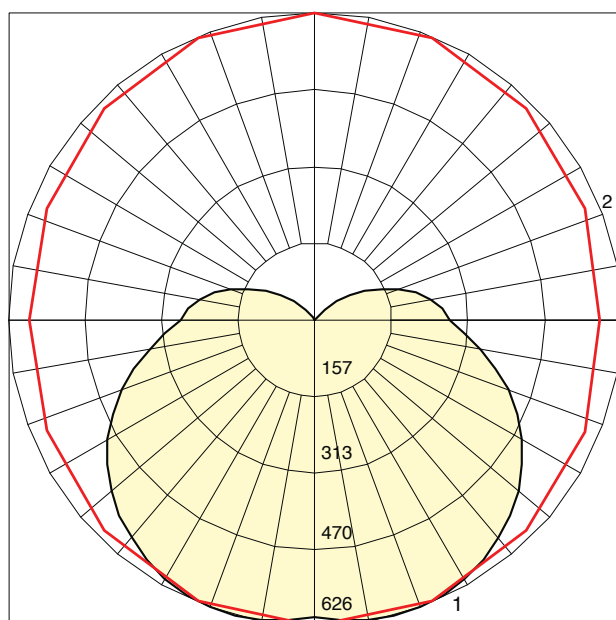
FILENAME: L022511803.IES

Maximum Candela = 658 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (90 - 270)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

RC2-SL SQUARE LENS



FILENAME: L022511804.IES

Maximum Candela = 626 Located At Horizontal Angle = 90, Vertical Angle = 15

1 - Vertical Plane Through Horizontal Angles (90 - 270)

2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)