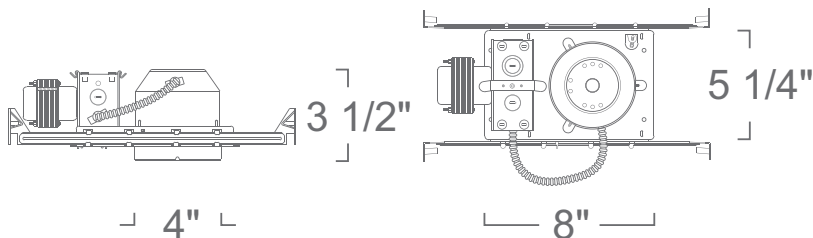


Shallow Housing w/ Adjustable Pull Down LH1499 SERIES - 4" LOW VOLTAGE RECESSED LIGHTING



SPECIFICATION

Ceiling cut-out: 4 1/2"

Application: General purpose recessed downlight housing for low to medium height ceilings for residential and light commercial applications. A variety of trims, compatible styles and finishes are available to achieve the desired décor and illumination.

Housing: Pre-wired housing adjusts up to a 1 1/4" ceiling thickness. Integral thermal protector to guard against improper lamping and installation. Housing provides an adjustable socket plate which allows for use of different lamp types. Trim is secured with torsion wing springs.

Mounting: Housing suitable for new construction installations only, supplied with (2) 24" adjustable hanger bars with 90 degrees repositioning ability. Hanger bars equipped with nail-less install 3/4" serrated barbed studs and with captive nails, for faster and easier secure mounting in wood joists. Set-screws lock into position and prevent shifting after installation. Earthquake structural cable compatible for drop panel ceiling or any other mounting that requires direct support from structural ceilings.

Transformer: High quality insulated transformer installed adjacent to Junction Box, bottom and top accessible. Thermally protected rated for 90° C. Available in magnetic or "noise-free" electronic.

Socket: 2-pin porcelain socket with aluminum heat sink plate. Lamp clips to trim to ensure proper and consistent positioning.

Junction Box: 16 gauge pre-wired galvanized steel Junction Box, 25 cubic-inch for a maximum of (8) #12 AWG wires. Furnished with (3) 3/4", (1) 1" and (4) Romex knock-outs. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard fitting for flex-conduit.

Insulation Contact: Non IC rated housing must be kept 3" from insulation. IC rated housing rated for direct contact with low to medium density loosefill blown and rolled insulation. For use with high density loose fill blown insulation, reduce rated lamp wattage accordingly (roughly %15-%20).

Safety Labels: ETL/CETL listed for through-branch wiring (8) No.12 AWG 90°C and suitable for damp locations. NYC approved: Calendar #41937.

Label: cETL Listed

FEATURE:



Application: The elbow design allows for full horizontal and vertical adjustability. With the lamp enclosed in the trim, annoying glares from back and sides of the trim are eliminated to provide visual comfort. Additional options are available that provide glare and optic control.

Gasket: Supplied with gasket to prevent light leakage and unsightly heat streaks on ceiling surface.

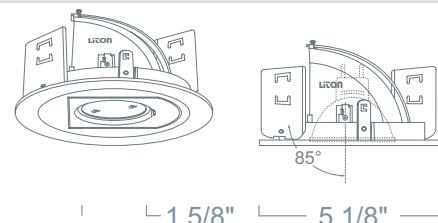
Lens Inclusion: Clear glass protective safety lens included in packaging.

Mounting: Steel pressure springs mounted on trim to ensure positive retention inside housing.

Adjustability Lamp can be tilted 85° degrees vertically and rotated 358° degrees horizontally.

Accessories: Takes (1) 2" Media.

Label: UL Listed, cETL Listed



SHALLOW HOUSING

LSH1499 12V Out 37W Max MR16

RATING	WATTAGE	VOLTAGE
LSH1499 :Non-IC Magnetic	Blank :37W	Blank :120V
LSH1499E :Non-IC Electronic		-27 :277V (Electronic*)

* Available with 120V/277V Magnetic Option, consult factory

ADJUSTABLE PULL DOWN

LR1467 12V 75W Max MR16

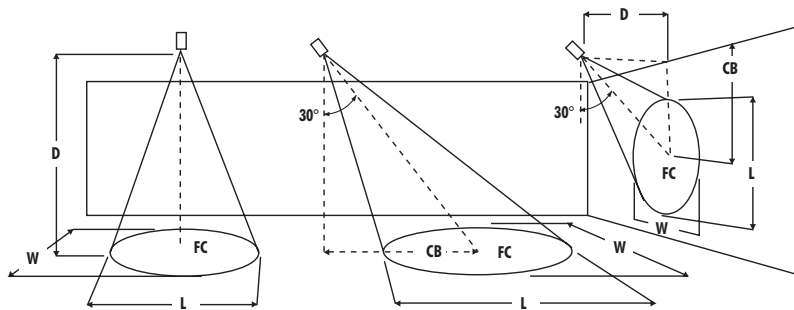
FINISH
LR1467W :White
LR1467B :Black
LR1467N :Natural
LR1467CO :Copper
LR1467G :Gold
LR1467MO :Mocha
LR1467PB :Polished Brass

Ordering example: LSH1499/LR1467N

Type :

Project :

Catalog # :



D : Distance to the horizontal or vertical surface.

FC : Initial foot candles at the center of the beam.

L : Length of the beam where candle power is reduced to 50% of center beam candle power.

W : Width of the beam where candle power is reduced to 50% of center beam candle power.

CB : Distance to the center of the beam.

Lamp data given is typical and is based on bare lamp performance. Contact lamp manufacturers for availability and specific performance. Distance, length, and width given in decimal feet.

MR16 12V Halogen 2-Pin GX5.3



	0° Aiming Angle Horizontal Foot candles				30° Aiming Angle Horizontal Foot candles						30° Aiming Angle Vertical Foot candles					45° Aiming Angle Vertical Foot candles				
	D	FC	L	W	D	FC	L	W	CB		D	FC	L	W	CB	D	FC	L	W	CB
Q20 MR16 / C / VN5P7 Beam Spread = 7° CBCP = 7,400 Rated Life = 3,000 Hrs.	6	215	0.7	0.7	6	140	0.8	0.7	3.5		2	243	0.9	0.5	3.5	3	304	0.7	0.4	3.0
	8	121	0.9	0.9	8	79	1.1	1.0	4.6		3	108	1.3	0.7	5.2	4	171	0.9	0.8	4.0
	10	77	1.1	1.1	10	50	1.2	1.2	5.8		4	61	1.8	0.9	6.9	5	110	1.2	1.0	5.0
	12	54	1.0	1.0	12	35	1.4	1.4	6.9		5	39	2.2	1.2	8.7	6	76	1.4	1.2	6.0
Q20 MR16 / C / NSP15 Beam Spread = 15° CBCP = 3,750 Rated Life = 5,000 Hrs.	4	237	0.9	0.9	4	154	1.2	1.1	2.3		1.5	263	1.1	0.6	2.6	4	374	0.8	0.6	2.0
	6	106	1.4	1.4	6	69	1.8	1.6	3.5		2.0	148	1.4	0.8	3.5	6	166	0.9	0.9	3.0
	8	59	1.8	1.8	8	39	2.4	2.2	4.6		2.5	95	1.8	0.9	4.3	8	94	1.2	1.2	4.0
	10	38	2.3	2.3	10	25	3.0	2.7	5.8		3.0	66	2.1	1.1	5.2	10	60	1.5	1.5	5.0
Q20 MR16 / C / FL40 Beam Spread = 40° CBCP = 525 Rated Life = 5,000 Hrs.	1.5	222	1.0	1.0	1.5	163	1.1	1.1	0.9		1.0	135	0.9	0.9	1.7	1.0	254	0.8	1.0	1.0
	2.0	125	1.3	1.3	2.0	92	1.4	1.4	1.2		1.5	60	1.4	1.3	2.6	1.5	113	1.1	1.5	1.0
	2.5	80	1.6	1.6	2.5	59	1.8	1.8	1.4		2.0	34	1.8	1.8	3.5	2.0	63	1.5	2.0	2.0
	3.0	56	2.0	2.0	3.0	41	2.1	2.1	1.7		2.5	22	2.3	2.3	4.3	2.5	41	1.9	2.5	2.5
Q35 MR16 / C / SP20 Beam Spread = 20° CBCP = 3,200 Rated Life = 5,000 Hrs.	3	356	1.0	1.0	3	231	1.3	1.1	1.7		1.5	223	1.4	0.9	2.6	2	305	1.2	0.9	2.0
	4	200	1.3	1.3	4	130	1.7	1.5	2.3		2.0	126	1.9	1.1	3.5	3	136	1.7	1.3	3.0
	5	128	1.6	1.6	5	83	2.1	1.9	2.9		2.5	80	2.4	1.4	4.3	4	76	2.3	1.8	4.0
	6	89	1.9	1.9	6	58	2.6	2.2	3.5		3.0	56	2.8	1.7	5.2	5	49	2.9	2.2	5.0
Q35 MR16 / C / FL40 Beam Spread = 40° CBCP = 1,000 Rated Life = 5,000 Hrs.	2	262	1.2	1.2	2	204	1.3	1.2	1.2		1.0	253	0.9	0.8	1.7	1.5	235	1.2	1.0	1.5
	3	116	1.8	1.8	3	91	2.0	1.8	1.7		1.5	112	1.4	1.2	2.6	2.0	132	1.5	1.3	2.0
	4	65	2.3	2.3	4	51	2.6	2.4	2.3		2.0	63	1.8	1.7	3.5	2.5	85	1.9	1.7	2.5
	5	42	2.9	2.9	5	33	3.3	3.0	2.9		2.5	40	2.3	2.1	4.3	3.0	59	2.3	2.0	3.0
Q42 MR16 / C / VN5P9 Beam Spread = 9° CBCP = 12,500 Rated Life = 3,500 Hrs.	6	347	0.8	0.8	6	226	1.0	0.9	3.5		2	415	1.0	0.6	3.5	4	276	1.1	0.7	4.0
	8	195	1.0	1.0	8	127	1.4	1.2	4.6		3	185	1.5	0.8	5.2	5	177	1.4	0.9	5.0
	10	125	1.3	1.3	10	81	1.7	1.4	5.8		4	104	2.0	1.1	6.9	6	123	1.7	1.1	6.0
	12	87	1.5	1.5	12	56	2.1	1.7	6.9		5	66	2.6	1.4	8.7	7	90	2.0	1.3	7.0
Q50 MR16 / C / NSP15 Beam Spread = 15° CBCP = 9,500 Rated Life = 6,000 Hrs.	6	264	1.5	1.5	6	171	1.9	1.7	3.5		2	361	1.5	1.5	3.5	4	229	1.7	1.2	4.0
	8	148	1.9	1.9	8	96	2.5	2.2	4.6		3	160	2.3	2.3	5.2	5	147	2.1	1.6	5.0
	10	95	2.4	2.4	10	62	3.1	2.8	5.8		4	90	3.0	3.0	6.9	6	102	2.5	1.9	6.0
	12	66	2.9	2.9	12	43	3.7	3.3	6.9		5	58	3.8	3.8	8.7	7	75	3.0	2.2	7.0
Q50 MR16 / C / NFL25 Beam Spread = 25° CBCP = 3,000 Rated Life = 6,000 Hrs.	3	322	1.2	1.2	3	212	1.6	1.4	1.7		1.5	220	1.7	1.1	2.6	2	282	1.4	1.1	2.0
	4	181	1.7	1.7	4	119	2.1	1.9	2.3		2.0	124	2.2	1.4	3.5	3	125	2.2	1.7	3.0
	5	116	2.1	2.1	5	76	2.7	2.4	2.9		2.5	79	2.8	1.8	4.3	4	70	2.9	2.3	4.0
	6	81	2.5	2.5	6	53	3.2	2.9	3.5		3.0	55	3.3	2.2	5.2	5	45	3.6	2.8	5.0
Q50 MR16 / C / FL40 Beam Spread = 40° CBCP = 1,700 Rated Life = 6,000 Hrs.	3	213	2.0	2.0	3	181	2.1	2.0	1.7		1.5	259	1.1	1.3	2.6	2	274	1.3	1.5	2.0
	4	120	2.7	2.7	4	102	2.8	2.7	2.3		2.0	146	1.5	1.7	3.5	3	122	2.0	2.3	3.0
	5	77	3.4	3.4	5	65	3.5	3.4	2.9		2.5	93	1.9	2.2	4.3	4	68	2.6	3.0	4.0
	6	53	4.0	4.0	6	45	4.2	4.1	3.5		3.0	65	2.3	2.6	5.2	5	44	3.3	3.8	5.0
Q71 MR16 / C / NSP15 Beam Spread = 15° CBCP = 11,000 Rated Life = 4,000 Hrs.	6	306	1.6	1.8	6	198	2.0	1.8	3.5		3	194	2.3	1.3	5.2	4	276	1.8	1.3	4.0
	8	172	2.2	2.4	8	112	2.6	2.4	4.6		4	109	3.1	1.8	6.9	6	123	2.7	1.9	6.0
	10	110	2.7	3.0	10	71	3.3	3.0	5.8		5	70	3.9	2.2	8.7	8	69	3.6	2.6	8.0
	12	76	3.2	3.6	12	50	3.9	3.6	6.9		6	48	4.7	2.7	10.4	10	44	4.5	3.2	10.0
Q71 MR16 / C / NFL25 Beam Spread = 25° CBCP = 4,950 Rated Life = 7,000 Hrs.	4	309	1.7	1.7	4	223	2.1	1.9	2.3		2	257	1.7	1.3	3.5	3	256	1.9	1.5	3.0
	6	137	2.5	2.5	6	99	3.1	2.8	3.5		3	114	2.5	1.9	5.2	4	144	2.6	2.1	4.0
	8	77	3.4	3.4	8	56	4.1	3.7	4.6		4	64	3.4	2.6	6.9	5	92	3.2	2.6	5.0
	10	49	4.2	4.2	10	36	5.2	4.6	5.8		5	41	4.2	3.2	8.7	6	64	3.9	3.1	6.0
Q71 MR16 / C / FL40 Beam Spread = 40° CBCP = 2,000 Rated Life = 4,000 Hrs.	3	236	2.1	2.1	3	200	2.2	2.1	1.7		1.5	286	1.2	1.3	2.6	2	301	1.4	1.5	2.0
	4	133	2.8	2.8	4	112	2.9	2.8	2.3		2.0	161	1.6	1.8	3.5	3	134	2.2	2.3	3.0
	5	85	3.4	3.4	5	72	3.6	3.5	2.9		2.5	103	2.0	2.2	4.3	4	75	2.9	3.1	4.0
	6	59	4.1	4.1	6	50	4.4	4.2	3.5		3.0	71	2.5	2.6	5.2	5	48	3.6	3.8	5.0