

Recessed LED Trimless Downlight with Clips



2" High Lumen



Key Features

- 2" round or square trimless recessed LED downlight with integral driver in connection box
- High-output 12W LED, delivering up to 1000 lumens
- Available 24° narrow beam for focused accent lighting and 38° beam for general illumination
- 5CCT selectable (2700K / 3000K / 3500K / 4000K / 5000K) via on-wire slide switch
- High CRI >90 (CRI 97 optional) for accurate color rendering
- TRIAC dimmable (100%–10%); 0–10V dimming available with optional MULV driver
- IC-rated and air-tight, no recessed housing required
- Easy installation with spring clips or screw mounting
- Smooth trimless (mud-in) design for a clean, modern ceiling finish
- Die-cast aluminum housing for durability and efficient heat dissipation
- Designed for reliable operation in low-temperature environments

Dimensions



Ordering Guide

Series	Wattage	Color Temperature	Finish	Voltage
HB-2RB Recessed Trimless Downlight -2" Round	12W	5CCT (2700K/3000K/3500K/4000K/5000K)	● WHT-C (Matte White)	Blank AC 120V
HB-2SB Recessed Trimless Downlight -2" Square			● BKT-C (Matte Black)	Mulv AC 120-347V

Example: HB-2RB12W5CCTBKT-C

Specifications		
Models	HB-2RB12W5CCTBKT-C	HB-2SB12W5CCTBKT-C
Applications	General lighting	
Wattage	12W	
Color Temperature(K)	5CCT 2700/3000/3500 /4000/5000	
Delivered Lumen(lm)	1000	
Halogen Equivalent	100W	
Beam Angle	24° 38°	
CRI	120V AC (120-347V optional)	
Driver Input	>90 (CRI 97 optional, special order)	
Power Factor	0.9	
Dimming	TRIAC dimmers 100%-10%(0-10V dimming optional)	
Cut out	Round: 2-7/8" (72mm)	Square: 3-7/8" (100mm)
Approved Location*	Insulated ceiling, Indoor & Wet location	
Ambient Temperature	-20°C to +40°C	
Air Tight	Yes	
Projected Life	70% light output at 50,000 hours	
Certification	cETLus	
Warranty*	5-year limited warranty	

* Due to continuous improvements and innovations, specifications may change without notice

Accessories

AC120V driver	AC120-347V driver	Rough-in plate	
Model: HB12W-X (Aluminum version)	Model: HB12W-MULV-X (Steel version)	Model: HB-MP-20 (Round Version)	Model: HB-MP26-U (Square Version)