ELCO Lighting

Project Name:

Fixture Type:

Date:

BIRCH™ HIGH LUMEN LED MODULE (3500 LM-5000 LM)

Light Engine

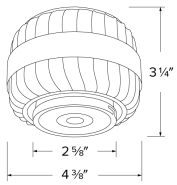


The beautifully designed die-cast module houses powerful and advanced LED technology to provide increased durability and outstanding illumination. Works with 4", 6" & 8" Birch Commercial Frames, Remodel, Retrofits and Twist-On Trims.

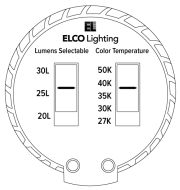
FEATURES

- **Non-IC** for use in Non-IC applications
- Select Lumen Output (3500 lm to 5000 lm) by using manual switch on module
- Adjustable Focus Beam Angle allows for manual beam angle adjustment from 22° to 50° range with the ease of a twist
- Twist-On mechanism to lock the module easily to any size trim
- Encased Quick Connector for easy module installation
- ELB50RCT5 works in 6″ and 8″ Commercial Frames, Remodel and Retrofit applications
- 120/277V input with 0-10V dimming
- 90+ CRI color rendering
- Meets Energy Star Requirements
- ETL listed for damp location with adjustable trims and for wet location with fixed trims
- Life span of 50,000 hours L70

DIMENSIONS



ELB30RCT5 Lumen & CCT Switch



ELB30RCT5 Lumen & CCT Switch

SPECIFICATIONS

Wattage	35W / 45W / 56W
Lumens	3500 lm / 4200 lm / 5000 lm
Voltage	120-277V
Color temp.	2700K-5000K
Dimming	0-10V
Lamp type	LED
Beam angle	22° to 50°
CRI	90+

Item page
elcolighting.com/items/birch-high-lumen-led-module-3500-lm-5000-lm
Every item number, IES files, downloads and the latest revision.

PART OF THESE FAMILIES

6″ Birch™ Round · 8″ Birch™ Round

↓ Dimmer compatibility list

elcolighting.com · Birch System Dimmer List

PRODUCT NUMBER BUILDER

Specify **Birch™ High Lumen LED Module (3500 lm-5000 lm)** item number (Select one) Example: **ELB50RCT5** Your item number:

ITEM	CCT
ELB50RCT5	
	CT5 2700K-5000K

© ELCO Lighting 2026. All rights reserved • Rev. 09 Oct 2026 • ELCO Lighting reserves the right to make specification and design changes without notice.

TECHNICAL DETAILS

Optics: Frosted polycarbonate module lens diffuses light evenly throughout while reducing glare with LED technology.

Construction: Integrated driver and light engine with Encased Quick Connect. Diecast aluminum body with heat fins allows for efficient cooling.

Installation: Twist-On design for tool-less trim installation, for use with Birch™ Trims. ELB50RCT5 can be used in 6″ and 8″ Commercial Frames and Remodel/Retrofit applications with Encased Quick Connect base. For use in non-IC applications.

Electrical: Module connects to 120/277V power supply. High-efficiency driver with a power factor >0.9. Start time of less than 0.75 seconds.

LED Technology: Color Rendering Index of 90+. Lumen Maintenance of 50,000 hours L70 Life span. Thermal management by utilizing integrated heat sink. Instant On to Full Brightness technology. No LED pixelation.

Dimmability: 0-10V dimmable. Dims down to 5%. For a full list of dimmers, refer to the Dimmer Compatibility List. Dims smoothly with no hot spots or flickering.

Listings: ETL Listed for Damp Location with adjustable trims and for Wet Location with fixed trims.

Warranty: ELCO Products are built to last with a 5-year Limited Warranty.

© ELCO Lighting 2026. All rights reserved • Rev. 09 Oct 2026 • ELCO Lighting reserves the right to make specification and design changes without notice.