Illumination Control Fixture Whips - 1/2 Inch

Our Illumination Control Fixture Whip (ICFW) is an integral component for combining power for illumination and control of all lighting systems. The ICFW can be used in new or retrofit construction for lighting systems operating at 120/277 VAC, meets all UL and NEC standards for combining power and lighting circuits with Class 2 or Class 3 control circuits within the same fixture whip.

The ICFW is easily integrated into the architecture of a building using LED luminaires or fluorescent luminaires with dimming ballast and digital controls to:
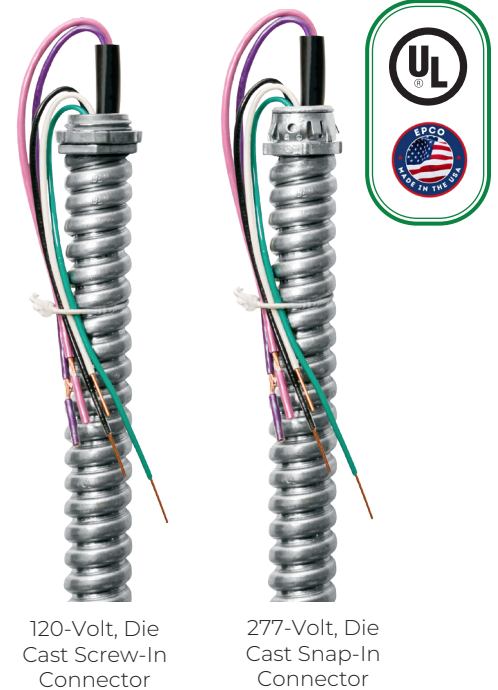
- Optimize lighting at all times when used with an independent room controller for daylight harvesting as an energy management solution to reduce energy for consumption.
- Operate in compliance with "timed" daily personnel and warehouse schedules.
- Control lighting operations used in combination with occupancy sensors for commercial and industrial applications.
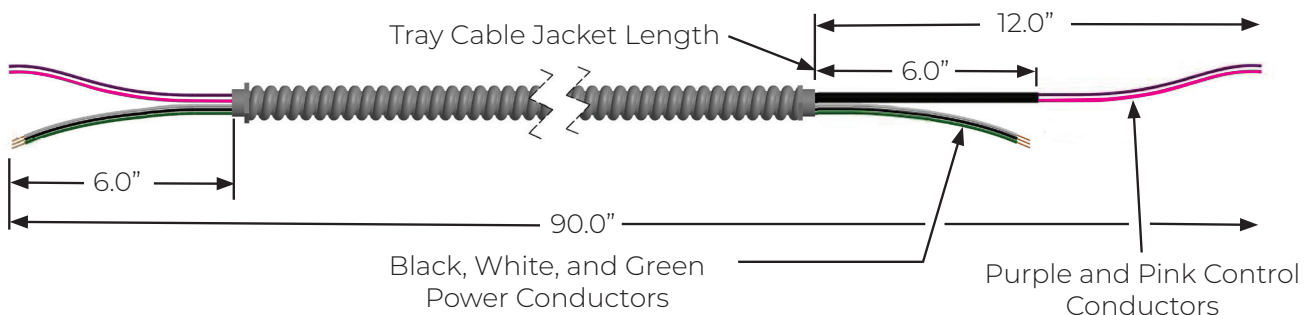
BENEFITS

- UL Listed. File Number EE87199.
- Combines power and lighting circuits with Class 2 or Class 3 control circuits.
- Easy to install and wire, and ready to use right out of the box. Saves time and labor compared to using expensive MC cable or making a solution on the job site.
- Can be used with dimming ballast and digital controls to optimize lighting using daylight harvesting, occupancy sensor, or timing controls.
- Includes two (2) 16 AWG Purple and Pink Jacketed Control Wires.
- Available in stranded or solid wire, and with die cast screw-in, die cast snap-in, or polycarbonate snap-in connectors.
- Meets the requirements of the 2023 National Electrical Code: Articles 300.3(B)(2), (C)(1), Section 725.136(I)(1), and 725.139(A) through (D)(1) and California Title 24 Lighting Controls, Articles 130.1(A)(B)(C)(D)(E).

120-Volt, Die Cast Screw-In Connector

277-Volt, Die Cast Snap-In Connector

WHY IS IT NECESSARY TO USE ILLUMINATION CONTROL FIXTURE WHIPS?

- Wireless Lighting Controls use Relay Modules that can be attached to the outside of an electrical junction box with a nipple.
- The connection(s) of the low voltage conductors from the dimmable ballast of LED driver are intended to go through the Junction Box, and through the nipple and into the Lighting Control Relay Module to receive controller commands.
- When the Contractor wants to use a single pre-fabricated Fixture Whip to control a luminaire with control features.
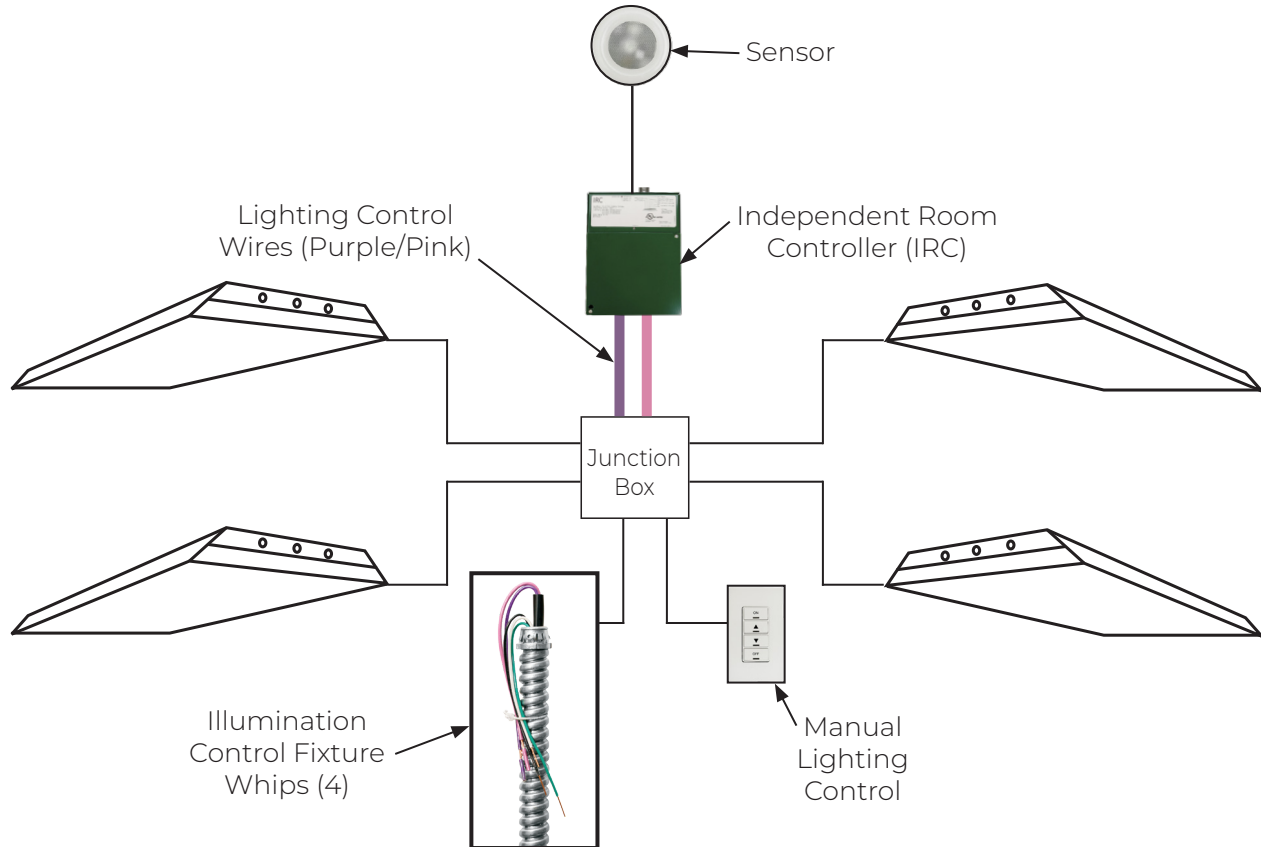
Illumination Control Fixture Whip — Dimensions

Tray Cable Jacket Length

12.0"

6.0"

6.0"

90.0"

Black, White, and Green Power Conductors

Purple and Pink Control Conductors

Illumination Control Fixture Whip — Application Example

Sensor

Lighting Control
Wires (Purple/Pink)

Independent Room
Controller (IRC)

Junction
Box

Illumination
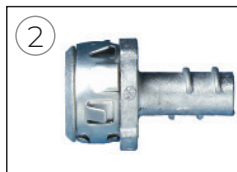Control Fixture
Whips (4)

Manual
Lighting
Control

Illumination Control Fixture Whip — Connector Reference Guide

Common connectors used on pre-made assembly.
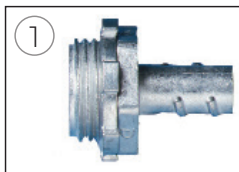
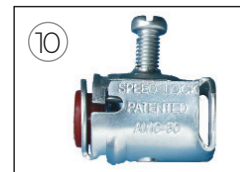① Size: 1/2": P/N E00-026-000
Type: Screw-in (lock-nut)
Material: Die Cast
Insulated: Yes or No (circle one)

② Size: 1/2": P/N E00-005-000
Type: Screw-in/Snap-in
Material: Die Cast
Insulated: Yes or No (circle one)
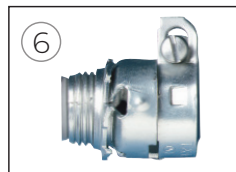
⑥ Size: 1/2": P/N E00-042-002
Type: Set Screw, Squeeze
Material: Steel
Insulated: 3/8": No
1/2": Yes

⑩ Size: 1/2": P/N E00-005-002
Type: Speed Lock Style, Snap-in
Material: Steel
Insulated: Yes

Part Number	UPC Number	Description	Order Unit	Unit Pkg	Units/ Case	Min Order Qty	Ship Wt (Lbs)
120 Volt Illumination Control Fixture Whips: 6-Feet, Stranded Wire, Die Cast Screw-In Connectors, .5" Conduit							
EPW1263-1/2-IC	84010	3-12 AWG Stranded Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink.	EA	BRL	100	10	292
EPW1463-1/2-IC	84012	3-14 AWG Stranded Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	282
EPW1464-1/2-IC	84013	4-14 AWG Stranded Wire, 6-FT, Black, Red, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	282
EPW1663-1/2-IC	84016	3-16 AWG Stranded Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277
EPW1664-1/2-IC	84017	4-16 AWG Stranded Wire, 6-FT, Black, Red, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	272
EPW1863-1/2-IC	84020	3-18 AWG Stranded Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	270
EPW1864-1/2-IC	84021	4-18 AWG Stranded Wire, 6-FT, Black, Red, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277
120 Volt Illumination Control Fixture Whips: 6-Feet, Solid Wire, Die Cast Screw-In Connectors, .5" Conduit							
EPW1263S-1/2-IC	84011	3-12 AWG Solid Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	292
EPW1463S-1/2-IC	84014	3-14 AWG Solid Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	282
EPW1464S-1/2-IC	84015	4-14 AWG Solid Wire, 6-FT, Black, Red, White, Green, (2) 16 Purple and Pink	EA	BRL	100	10	282
EPW1663S-1/2-IC	84018	3-16 AWG Solid Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277
EPW1664S-1/2-IC	84019	4-16 AWG Solid Wire, 6-FT, Black, Red, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	272
EPW1863S-1/2-IC	84022	3-18 AWG Solid Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	270
EPW1864S-1/2-IC	84023	4-18 AWG Solid Wire, 6-FT, Black, Red, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277
120 Volt Illumination Control Fixture Whips: 6-Feet, Stranded Wire, Die Cast Snap-In Connectors, .5" Conduit							
EPW1263AD-1/2-IC	84024	3-12 AWG Stranded Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	292
EPW1463AD-1/2-IC	84026	3-14 AWG Stranded Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	282
EPW1464AD-1/2-IC	84027	4-14 AWG Stranded Wire, 6-FT, Black, Red, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	282
EPW1663AD-1/2-IC	84030	3-16 AWG Stranded Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277
EPW1664AD-1/2-IC	84031	4-16 AWG Stranded Wire, 6-FT, Black, Red, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	272
EPW1863AD-1/2-IC	84034	3-18 AWG Stranded Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	270
EPW1864AD-1/2-IC	84035	4-18 AWG Stranded Wire, 6-FT, Black, Red, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277
120 Volt Illumination Control Fixture Whips: 6-Feet, Solid Wire, Die Cast Snap-In Connectors, .5" Conduit							
EPW1263SAD-1/2-IC	84025	3-12 AWG Solid Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	292
EPW1463SAD-1/2-IC	84028	3-14 AWG Solid Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	282
EPW1464SAD-1/2-IC	84029	4-14 AWG Solid Wire, 6-FT, Black, Red, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	282
EPW1663SAD-1/2-IC	84032	3-16 AWG Solid Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277
EPW1664SAD-1/2-IC	84033	4-16 AWG Solid Wire, 6-FT, Black, Red, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	272
EPW1863SAD-1/2-IC	84036	3-18 AWG Solid Wire, 6-FT, Black, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	270
EPW1864SAD-1/2-IC	84037	4-18 AWG Solid Wire, 6-FT, Black, Red, White, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277

UNITS OF MEASURE KEY
Order Unit: The Unit to be ordered; Order Qty: Number of pieces in each Unit; Unit Pkg: Packaging types - BG (Bag), BX (Box), BRL (Barrel); Units/Case: Unit packages contained in the Case; TL Case Qty: The total number of items in each Master Case; Min Order Qty: The smallest Unit that can be ordered; MM Req: Must order multiples of the Unit in the stated quantities; Ship Wt (Lbs): Total weight of the units per Carton

Part Number	UPC Number	Description	Order Unit	Unit Pkg	Units/ Case	Min Order Qty	Ship Wt (Lbs)
277 Volt Illumination Control Fixture Whips: 6-Feet, Stranded Wire, Die Cast Screw-In Connectors, .5" Conduit							
EPW1263-1/2-BGG-IC	84038	3-12 AWG Stranded Wire, 6-FT, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	292
EPW1463-1/2-BGG-IC	84042	3-14 AWG Stranded Wire, 6-FT, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	282
EPW1464-1/2-BOGG-IC	84046	4-14 AWG Stranded Wire, 6-FT, Brown, Orange, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	282
EPW1663-1/2-BGG-IC	84050	3-16 AWG Stranded Wire, 6-FT, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277
EPW1664-1/2-BOGG-IC	84054	4-16 AWG Stranded Wire, 6-FT, Brown, Orange, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	272
EPW1863-1/2-BGG-IC	84058	3-18 AWG Stranded Wire, 6-FT, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	270
EPW1864-1/2-BOGG-IC	84062	4-18 AWG Stranded Wire, 6-FT, Brown, Orange, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277
277 Volt Illumination Control Fixture Whips: 6-Feet, Solid Wire, Die Cast Screw-In Connectors, .5" Conduit							
EPW1263S-1/2-BGG-IC	84040	3-12 AWG Solid Wire, 6-FT, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	292
EPW1463S-1/2-BGG-IC	84044	3-14 AWG Solid Wire, 6-FT, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	282
EPW1464S-1/2-BOGG-IC	84048	4-14 AWG Solid Wire, 6-FT, Brown, Orange, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	282
EPW1663S-1/2-BGG-IC	84052	3-16 AWG Solid Wire, 6-FT, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277
EPW1664S-1/2-BOGG-IC	84056	4-16 AWG Solid Wire, 6-FT, Brown, Orange, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	272
EPW1863S-1/2-BGG-IC	84060	3-18 AWG Solid Wire, 6-FT, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	270
EPW1864S-1/2-BOGG-IC	84064	4-18 AWG Solid Wire, 6-FT, Brown, Orange, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277
277 Volt Illumination Control Fixture Whips: 6-Feet, Stranded Wire, Die Cast Snap-In Connectors, .5" Conduit							
EPW1263AD-1/2-BGG-IC	84039	3-12 AWG Stranded Wire, 6-FT, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	292
EPW1463AD-1/2-BGG-IC	84043	3-14 AWG Stranded Wire, 6-FT, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	282
EPW1464AD-1/2-BOGG-IC	84047	4-14 AWG Stranded Wire, 6-FT, Brown, Orange, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	282
EPW1663AD-1/2-BGG-IC	84051	3-16 AWG Stranded Wire, 6-FT, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277
EPW1664AD-1/2-BOGG-IC	84055	4-16 AWG Stranded Wire, 6-FT, Brown, Orange, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	272
EPW1863AD-1/2-BGG-IC	84059	3-18 AWG Stranded Wire, 6-FT, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	270
EPW1864AD-1/2-BOGG-IC	84063	4-18 AWG Stranded Wire, 6-FT, Brown, Orange, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277
277 Volt Illumination Control Fixture Whips: 6-Feet, Solid Wire, Die Cast Snap-In Connectors, .5" Conduit							
EPW1263SAD-1/2-BGG-IC	84041	3-12 AWG Solid Wire, 6-FT, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	292
EPW1463SAD-1/2-BGG-IC	84045	3-14 AWG Solid Wire, 6-FT, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	282
EPW1464SAD-1/2-BOGG-IC	84049	4-14 AWG Solid Wire, 6-FT, Brown, Orange, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	282
EPW1663SAD-1/2-BGG-IC	84053	3-16 AWG Solid Wire, 6-FT, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277
EPW1664SAD-1/2-BOGG-IC	84057	4-16 AWG Solid Wire, 6-FT, Brown, Orange, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	272
EPW1863SAD-1/2-BGG-IC	84061	3-18 AWG, Brown, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	270
EPW1864SAD-1/2-BOGG-IC	84065	4-18 AWG, Brown, Orange, Grey, Green, (2) 16 AWG Purple and Pink	EA	BRL	100	10	277

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(07/25 AK)