



(A) 12313 NI Fixture

(B) 12357 BK Full Range Dimmer Switch

(C) 12356 BK Nightlight

(D) 12341 BK Interconnect

Fixtures can be used individually, snapped directly together, or connected via interconnect cables to customize the lighting effect.

# Design Pro LED Modular 2.0

24 Volt DC


## STEP 1 SELECT APPROPRIATE LIGHT FIXTURE SIZES & FINISH


- (E) 12311 BRZ, NI, WH 6"
- 2 High Brightness LED built in
  - 3 Watts
  - 6" L x 2-3/8" W x 1/2" H


- (A) 12313 BRZ, NI, WH 12"
- 4 High Brightness LED built in
  - 5.5 Watts
  - 12" L x 2-3/8" W x 1/2" H

- 12315 BRZ, NI, WH 18"
- 6 High Brightness LED built in
  - 8.5 Watts
  - 18" L x 2-3/8" W x 1/2" H

- 12317 BRZ, NI, WH 30"
- 10 High Brightness LED built in
  - 14 Watts
  - 30" L x 2-3/8" W x 1/2" H

- (H) 12319 BK, BRZ, NI, WH - LED Disc
- 3 High Brightness LED built in
  - 3.5 Watts
  - 2-3/4" D x 3/8" H
  - 36" of wire spooled inside
  - Must be used with 12359 Driver Module
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- (F) 12359 BK, WH - LED Disc Driver
- Consumes 1 Watt
  - Connects up to three Design Pro LED Discs
  - 2-7/8" L x 2-3/8" W x 1/2" H
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- LED Disc Extension Wire 12347 BK, WH
- Adds 3' of length for greater installation flexibility
  - Maximum 8 extension wires (24') allowed on each disc
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## STEP 2 DIMMING SWITCHES & NIGHTLIGHT ALLOW FOR LIGHT LEVEL CONTROL

Now Fully Dimmable!

- (B) Z-Wave® Full Range Dimmer 12357 BK, WH
- Consumes 1 watt
  - Use one per run
  - Installs in-line
  - Full range dimming from 0 to 100%
  - Programmable to one or multiple sections/runs of light
  - Programmable with Z-Wave® wall dimmer
  - Compatible to all available Z-Wave® home automation equipment
  - Will not control linear LED
  - 3" L x 2-3/8" W x 1/2" H

- Z-Wave® Full Range Wall Dimmer 12358 ALD, IV, WH
- **MUST** be used in combination with the in-line Z-Wave® Full Range Dimmer, 12357
  - Full range dimming from 0 to 100%
  - Programmable to one or multiple sections/runs of light
  - Compatible to all available Z-Wave® home automation equipment
  - Available in three popular switch plate finishes
  - Assembles to standard wall mounted switch box

- 4 Position Dimming Switch 12355 BK, WH
- Consumes 1 watt
  - 4 light level positions (Low, Medium, High, Off)
  - Installs in-line
  - Use one per run
  - Will not control linear LED
  - 3" L x 2-3/8" W x 1/2" H

- (C) Night Light Module 12356 BK, WH
- Consumes 1 Watt
  - **MUST** be used with either 12355 or 12357 Switch
  - Use where low light level is desired for safety or convenience
  - Installs in-line
  - 2-3/8" L x 2-3/8" W x 1/2" H

Durability

**T24** 12311 & 12313 Appear on the California Energy Commission, Appliance Efficiency Database as required by Title 24 - 2008 legislation





*Design Pro LED Disc can be added to the Design Pro LED system to further expand the possibilities.*

## STEP 3 INTERCONNECT CABLES CONNECT MULTIPLE FIXTURES

(D) The interconnect cables are listed Class 2 and connect multiple fixtures. Wire in accordance with Article 725 of the National Electric Code and any local codes.

- 12341 BK, WH - Interconnect 9 Inches
- 12342 BK, WH - Interconnect 14 Inches
- 12343 BK, WH - Interconnect 21 Inches
- 12344 BK, WH - Interconnect 10 Feet

### "T" Power Connector 12340 BK, WH

- Brings power into female port at back and splits into two directions at each side
- Ideal for center fed wire or tight side-mount feed
- Installation will expose less wire
- 1-5/8" L x 2-3/8" W x 1/2" H

### 12348 BK, WH - Female Connector

- Female connectors join male ends together where necessary

### 12349 BK, WH - Male Connector

- Male connectors join female ends together where necessary



U.S. Patent Pending

## STEP 4 SELECT POWER SUPPLY

### Undercabinet Mounted Power Supply

#### 12353 BK, WH - 50 Watt

- Compact undercabinet hard wire design
- 1" H x 5" W x 5-1/2" D
- Class 2 / 24 Volt DC
- Use with sheathed cable 12-2 or 14-2
- Provisions for second, pass-through ("daisy-chain") wire configuration



### Remote Power Supply

#### (K) 12380 BK - 100 Watt

- 11" H x 6-1/2" W x 3" D
- Includes (1) 100 Watt power unit
- Class 2 / 24 Volt DC



#### 12382 BK - 200 Watt

- 15-1/2" H x 11" W x 3" D
- Includes (2) 100 Watt power unit
- Class 2 / 24 Volt DC



### Power Supply Leads

#### (G) 12344 BK, WH - 25' length

#### 12346 BK, WH - 8' length

- Should only be used to connect remote power supplies 12380BK and 12382BK to cabinet lighting run (DO NOT use as interconnect cable)
- Connect either the male or female plug to the cabinet lighting run. The plug on the opposite end is cut off to expose the two lead wires that are then connected to the terminals in the remote power supply.
- Class 2 cable suitable to be run behind walls (check local codes for compliance)



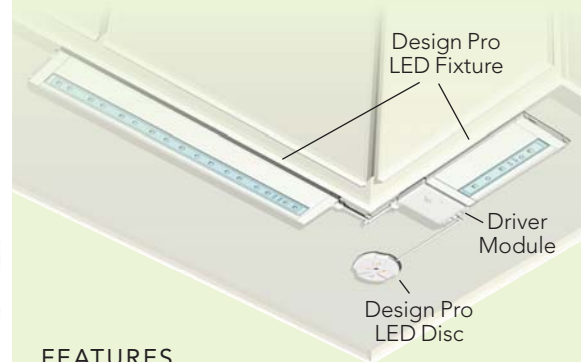
### Plug-In Power Supplies

#### 12383 BK, WH - 30 Watts

- 4' cord length
- Cord has male end. 12348 Female connector included.
- Class 2 / 24 Volt DC



## FRONT MOUNT DESIGN



## FEATURES

- Ultra thin 1/2" profile and narrow width
- Compatible to all available Z-Wave® home automation equipment (with 12357 accessory)
- Dimmable ONLY with offered Z-Wave® accessories
- Color Rendering Index mid 80's CRI
- High brightness LED
- Higher Efficacy
- 3000K color temperature (CCT) is similar to Xenon
- Long life light source (40,000 hours)
- Snap fixture together or use interconnect cables to create an even flow of light
- Captive screws for ease of installation
- Class 2

## PERFORMANCE DATA (12313)

### LUMENS/WATT

A LIGHT OUTPUT FC (COUNTER FRONT) 41.2

B LIGHT OUTPUT FC (COUNTER MIDDLE) 17.7

C LIGHT OUTPUT FC (COUNTER BACK) 36.8

D LIGHT OUTPUT FC (COUNTER WALL) 42.1

CRI (COLOR RENDERING) 25.0

CCT (COLOR TEMPERATURE) mid 80s

LIGHT SOURCE LIFE 40,000 hrs.

