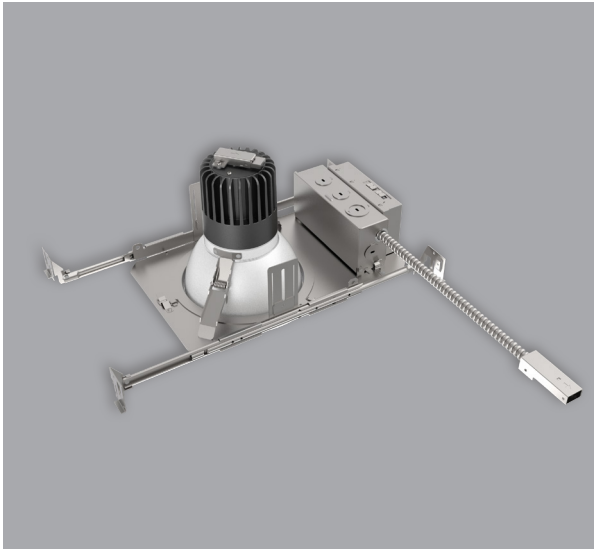


INTEGRA PRO

COMMERCIAL DOWNLIGHT SPECIFICATIONS



Job Information

Project Name	
Type	
Location	
Quantity	
Date	

DESCRIPTION

The Commercial LED Downlight System is a versatile lighting solution that integrates modular design with the latest advancements in LED and wireless control technology. Featuring selectable wattage and color temperature settings, it offers an all-in-one system suitable for a wide range of applications. With a single light engine and a variety of accessories, you can precisely configure the ideal fixture for your project. It delivers high quality, cost-effective LED lighting for virtually any space.

OVERVIEW

- Flexibility - Split design of led light engine, reflector, trim and driver, seamless integration
- Compatibility – Optional flicker-free 1-10V/100-277V
- True color - 90+ CRI, produces outstanding illumination
- Wall-washer filter is available

PERFORMANCE

MODEL NAME	INTEGRA PRO
POWER CONSUMPTION(±10%)	12/25/38W Selectable
INPUT VOLTAGE	120-277VAC
LUMINOUS FLUX (±10%)	3230 Lm
EFFICACY (4000K RA80)	>85 Lm/W
DIMMING	0-10V
CCT	5CCT Selectable
CRI	>90
BEAM ANGLE	Zoomable Optic: Narrow/Medium
FINISH COLOR	White/Silver Haze/Clear
MATERIAL	Die Casting Aluminum
OPTIONAL ACCESSORIES	Wall Washer Filter
REFLECTOR SIZE	4"/6"/8"/10"
IP RATING	IP20
APPLICATIONS	Indoors
CERTIFICATIONS	cETL Listed
WARRANTY	5 Years
LIFE TIME OF LED @TA=25°C	50000 HRS



SPECIFICATIONS

■ OPTICS

Two field-adjustable, interchangeable precision optics to suit a variety of application needs. The medium optic provides 36° to 60° coverage, while the medium-narrow optic delivers a more focused light distribution with 22° to 36° coverage. An asymmetrical wall washer filter is also available.

■ ELECTRICAL

Voltage: 120-277VAC

■ ENVIRONMENT & CERTIFICATIONS

cETL listed for dry locations

■ WARRANTY

5 years limited warranty

■ FINISH

The powder-coated finish ensures a uniform appearance, offering long-term durability and superior aesthetics.

■ HOUSING MATERIAL

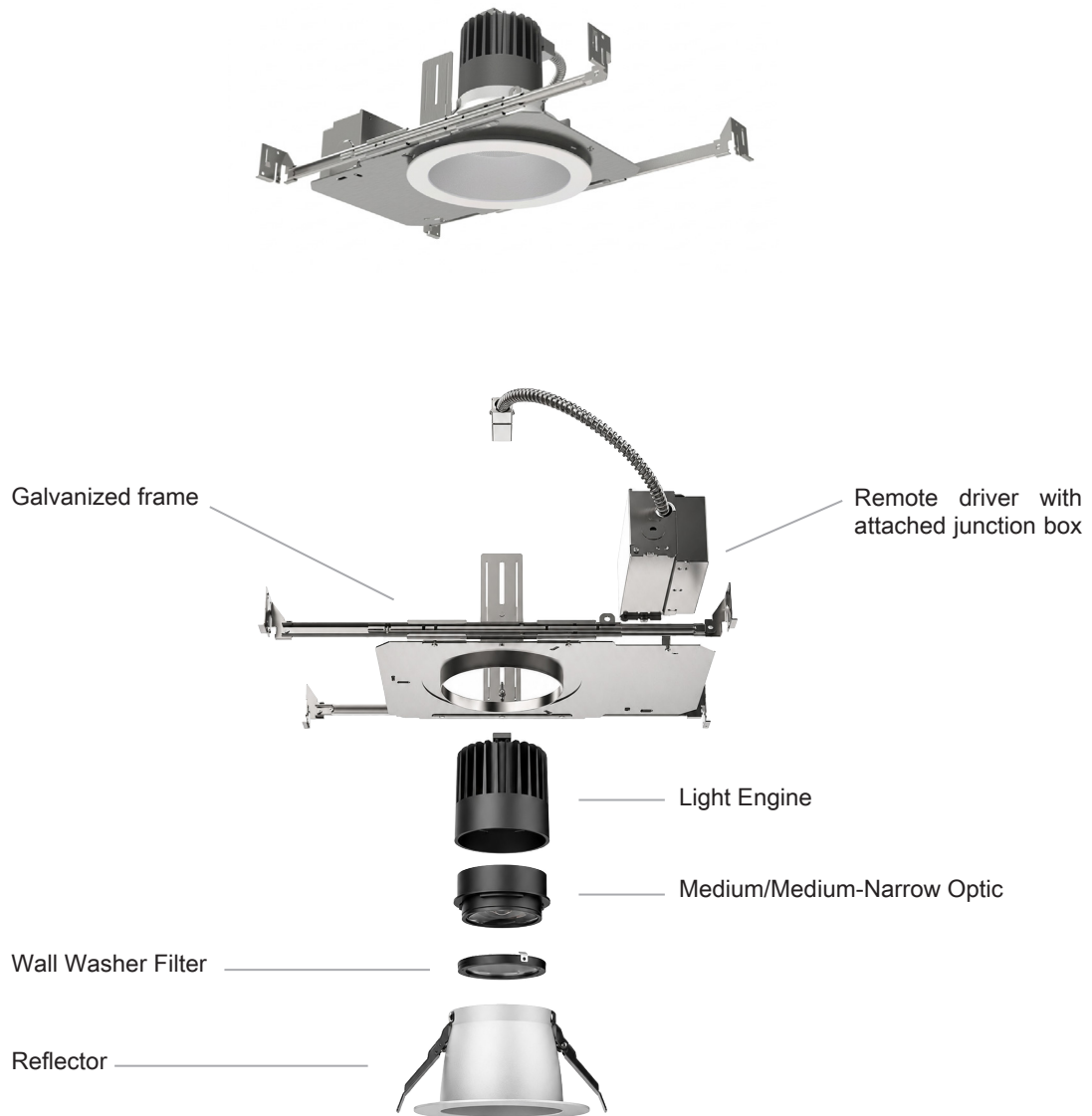
Die-cast aluminum housing ensures durability and efficiency.

■ LED SYSTEM

CRI With a 90+ color rendering index (CRI), this product delivers outstanding illumination, featuring tight chromatically specifications and a precise color binning process to ensure consistency in CRI and CCT.

CCT 5CCT selectable: 2700K, 3000K, 3500K, 4000K, 5000K with excellent color consistency.

ASSEMBLY DRAWING

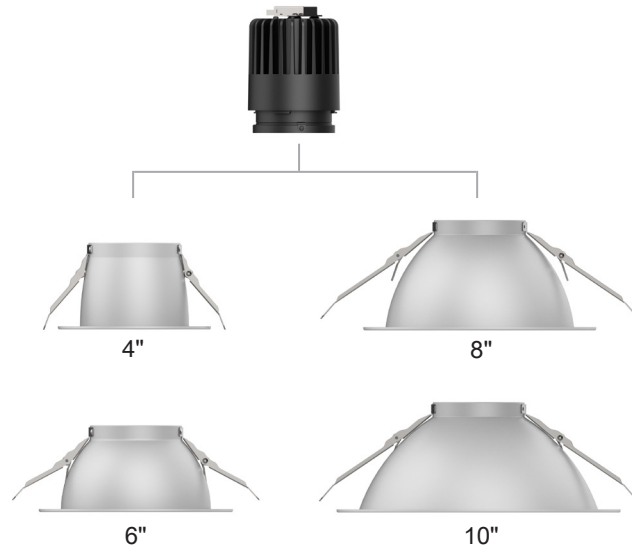


4"- 6" Select, 8"-10" Select Reflector finish Mirror, Haze & White Select .
Adjust mounting brackets, Butterfly bracket or Retrofit models (no frame)Select.

INTEGRA PRO

COMMERCIAL DOWNLIGHT SPECIFICATIONS

ONE MODULE FOR ALL SIZES



THREE DIFFERENT REFLECTORS



Clear



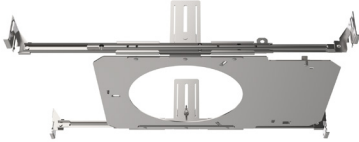
Silver Haze



White

4"- 6" Select, 8"-10" Select Reflector finish Mirror, Haze & White Select .
Adjust mounting brackets, Butterfly bracket or Retrofit models (no frame)Select.

FEATURES



Galvanized Frame

For use in new construction applications, the galvanized frame is a practical solution, complete with T-Grid compatible swivel feet and interchangeable frame collars to accommodate 4" and 6" reflectors. Each hangar bar extends out to 24.75" and adjusts up to 2" vertically for perfect placement



Remote Driver With Attached Junction Box

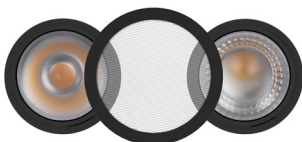
The remote driver with attached junction box features the latest in LED innovation with 3 selectable wattage settings and 5 selectable color temperature settings to produce up to 3,800 lumens at CRI 94 and R9 values of 60 for unmatched light quality. Your reds will be brighter, and your blues will be truer for incredible color rendering. The dual-voltage driver operates at 120-277 volts and accommodates 0-10V full-range dimming.

The driver and junction box combo can attach directly to the frame for new construction applications, or mounted to the nearest joist/stud for remodel installations.



Adjustable Optics

Offers two field-adjustable and interchangeable precision optics to suit your application needs. The Medium optic provides 36° to 60° coverage, and the Medium-Narrow optic provides 22°-36° coverage for a more focused light distribution. Adjust the optics with a twist, similar to a high-end camera lens. The optic attaches directly to the Reflector Trim with a simple turn to lock it in place.



Optics & Wall Washer Filter

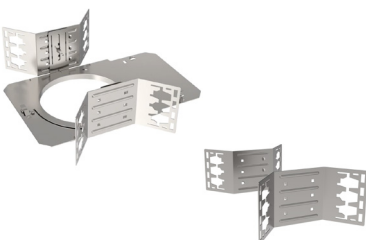
For perfect directional lighting, the wall wash filter can attach to either optic (Medium or Medium-Narrow). The optical design allows you to get the perfect beam angle to highlight artwork and other features without replacing the reflector trim entirely. Simply snap on the wall wash filter and rotate it to your desired placement. It couldn't be easier!

For best results, we recommend using it with the medium-narrow optic for a more refined light distribution.



Reflector Options

The unique reflector design allows the system to retro-fit as needed, bypassing the new construction frame entirely. Each reflector trim includes preset remodel clips to hold the system securely in place. Choose between clear specular, haze, and white finishes available in both 4", 6", 8", and 10" models. Each features a matte white flange for a perfect aesthetic in any room.



Butterfly Bracket

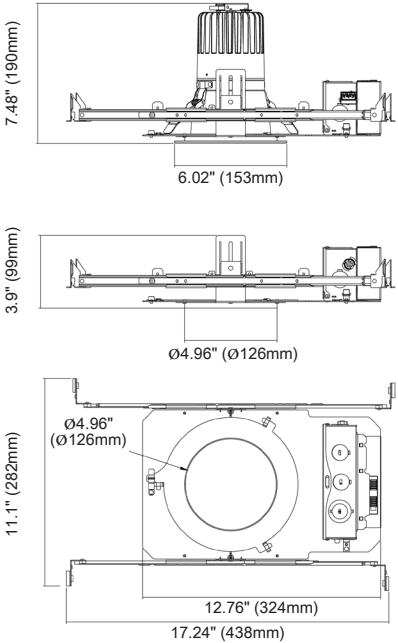
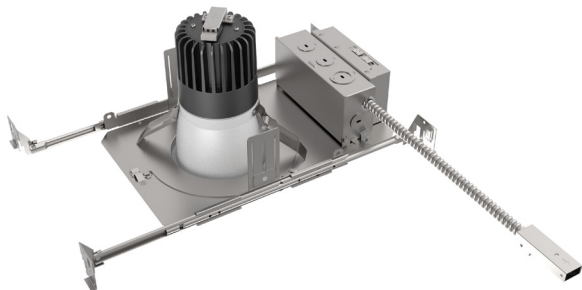
The optional butterfly brackets simply attach to the CDG Frame to provide additional installation functionality. Pair them with c-channel hanger bars (17208), universal c-channel hanger bars (ARCHBKIT), straight bars, conduit, and other mounting accessories for perfect placement. Butterfly brackets are common and often required in commercial development.

INTEGRA PRO

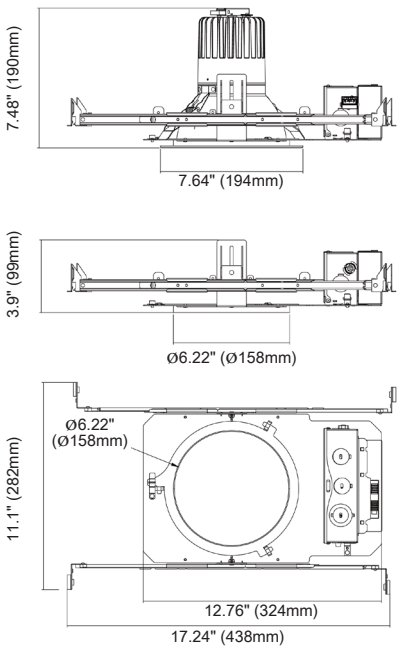
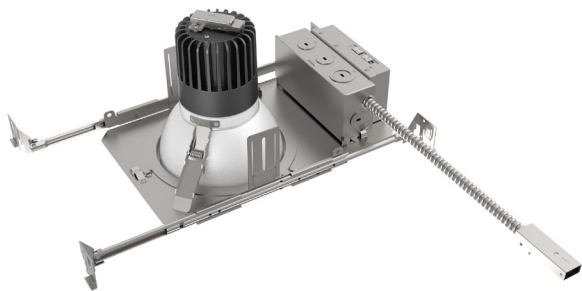
COMMERCIAL DOWNLIGHT SPECIFICATIONS

PRODUCT DIMENSIONS

SIZE: 4"



SIZE: 6"

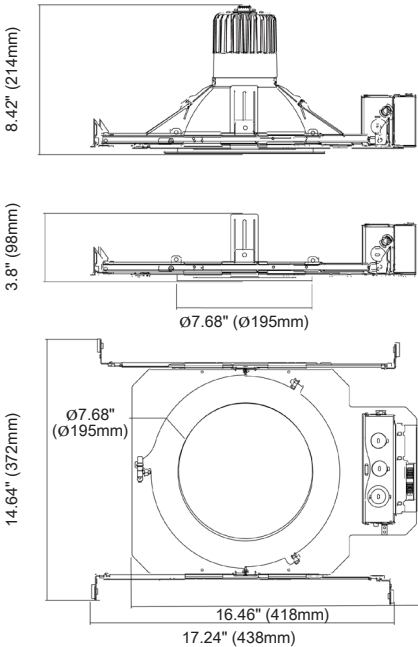
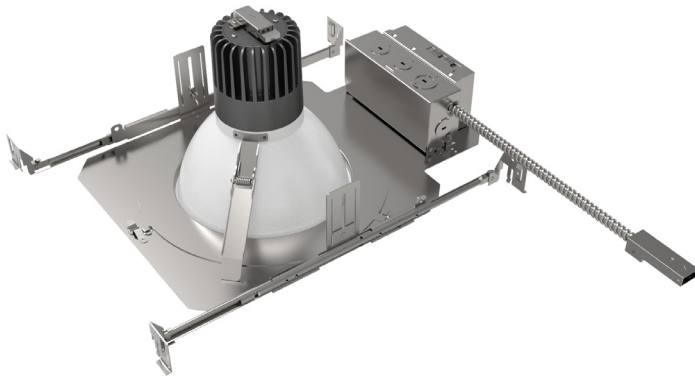


INTEGRA PRO

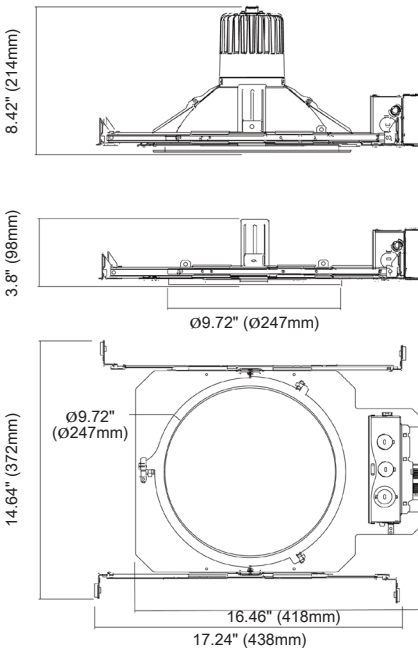
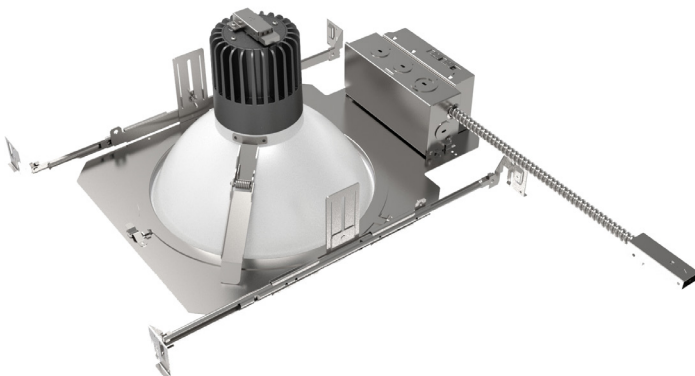
COMMERCIAL DOWNLIGHT SPECIFICATIONS

PRODUCT MODELS & DIMENSIONS

SIZE: 8"



SIZE: 10"



REFLECTORS



Clear



Silver Haze



White

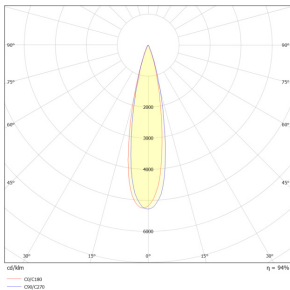
ACCESSORY



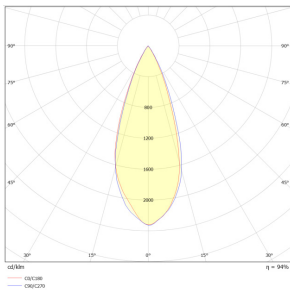
Wall Washer Filter

Clip on, rotatable wall wash lens accessory available for refined directional lighting

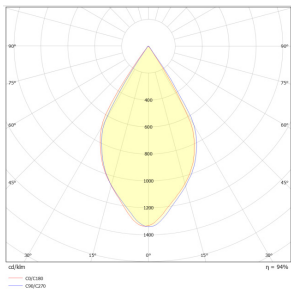
Light Distributions



22° Beam angle

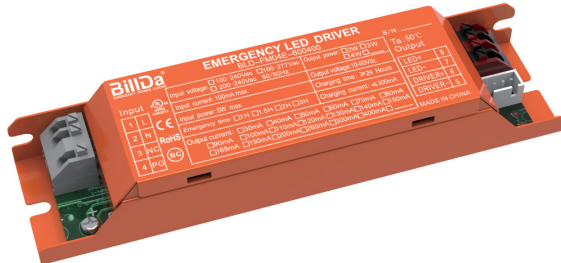


36° Beam angle



60° Beam angle

EMERGENCY LED DRIVER



OPERATION

AC Operation:

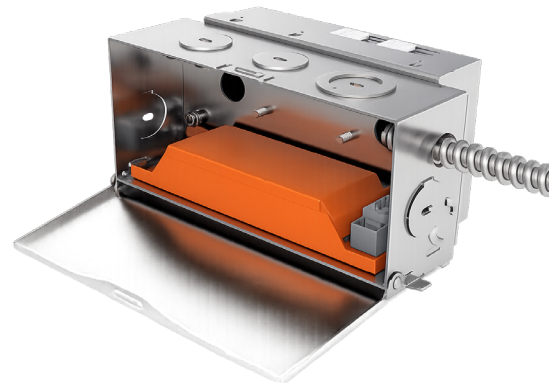
AC power is present, the LED load from the LED driver is normal power supply. AC LED driver output current can not exceed 50W or 1A, the emergency driver is charging in a standby mode, the red LED light on to indicate that it is charging.

Emergency operation:

When the AC power goes out, the emergency driver detects the AC power outage and automatically switches to the working emergency mode, the red LED light off. When the AC power is restored, the emergency driver backs to AC power working and starts re-charging, the red LED light on.

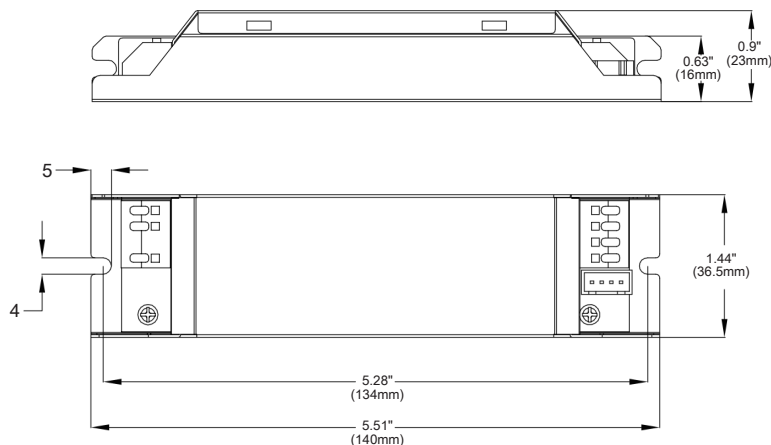
SPECIFICATIONS

OUTPUT POWER	2W/3W/4W
EMERGENCY TIME	1.5H
UNIVERSAL INPUT VOLTAGE	100- 277VAC, 50/ 60Hz
AC INPUT CURRENT	100mA max.
AC INPUT POWER RATING	5.0 max.
OUTPUT VOLTAGE	10-60VDC
OUTPUT CURRENT	30-400mA
FULL WARRANTY	5 Years
TEST SWITCH INDICATOR LIGHT	Illuminated Test Switch, Indicator Light
BATTERY	Li-ion battery-3.7V/2500mAh
BATTERY CHARGING CURRENT	300mA max.
CHARGING TIME	24Hours
TEMPERATURE RATING (AMBIENT)	Li-ion 0°C to +50°C (32°F to 122°F)



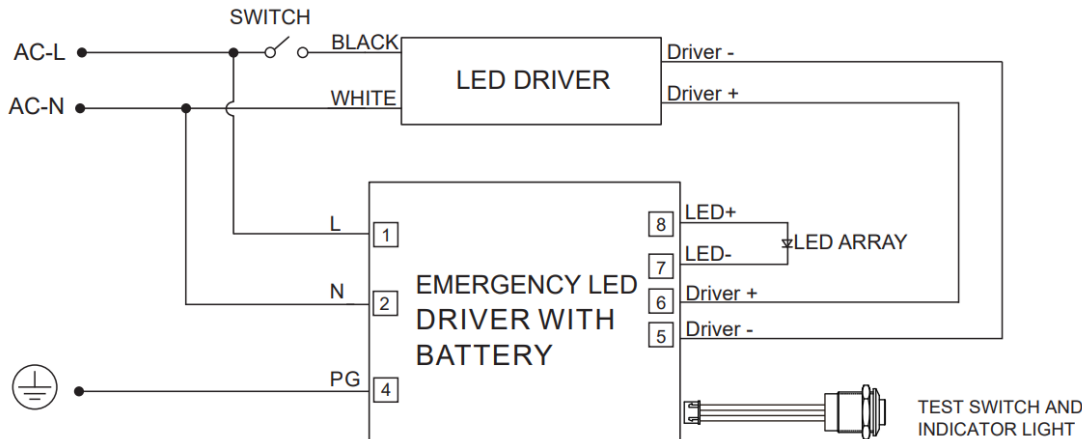
DIMENSION

Case-5.51"x1.44"x0.9"(140x36.5x23mm)



EMERGENCY LED DRIVER

WIRE DIAGRAM



1. DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED.
2. TEST ACCESSORY LEADS-OBSERVE PROPER POLARITY WIRING.

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

- **IMPORTANT:** Please charge the battery consistently for >24 hours for the first time usage so as to activate the whole battery cells of discharging/charging duration.
- **IMPORTANT:** Customers are advised to charge emergency LED drivers 24 hours every 6 months during storage, and which could be stocked for 1 year at most. If customers don't install and recharge for more than one year, the batteries may be damaged. This is not covered in the warranty, and we would charge for replacement.
- **IMPORTANT:** Lighting fixture manufacturers, electricians, and end-users need to ensure product system compatibility test before using and final installation.
- Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED emergency backup. Check for enclosed wiring and components.
- Risk of fire or electric shock. This LED emergency backup installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Before installing, make certain the AC power to the fixture is off.
- The electrical rating of this product is 100-277Vac. installer must confirm that there is 100-277Vac to the fixture before installation.
- To prevent electrical shock only mate unit connector after installation is complete and before the AC power to the fixture is back on.
- Do not use outdoors.
- This LED emergency backup unit requires an un-switched AC power source of 100-277Vac, 50/60Hz.
- The AC driver must be on the same branch circuit as the LED emergency backup unit.
- Do not let power supply cords touch hot surfaces.
- Do not mount near gas or electric heaters.
- Do not connect battery pack connector until all other wiring is complete and AC power is on.
- The emergency LED driver is for use with grounded, UL listed LED luminaires, shall be enclosed by the LED luminaire and bonded to the grounding of LED luminaire.
- Verify that all replacement lamp types marked on the installed luminaire are also identified as suitable for use with this emergency battery pack.
- The battery pack is fixed by the screw and the indicator lamp is attached to the shell of the luminaire by 3M tape.
- Equipment should be mounted in locations and at heights where it is not be subjected to tampering by unauthorized personnel.
- The use of accessory equipment is not recommended by the manufacturer and may cause an unsafe condition.
- Do not use this equipment for other than its intended use.
- Use with grounded, UL Listed, dry or damp location rated fixtures.

INTEGRA PRO

COMMERCIAL DOWNLIGHT SPECIFICATIONS

PRODUCT ORDERING GUIDE

EXAMPLE: INTEGRA PRO-4-N-V-W-WWF

INTEGRA PRO	-4	-N	-V	-W	-WWF
Series	Size	Beam Angle	Dimming	Finish	Options

SERIES	SIZE	BEAM ANGLE	DIMMING	FINISH	OPTIONS
INTEGRA PRO	4: 4 Inch	N: 22° - 36° M: 36° - 60°	V: 0-10V N: None	C: Clear S: Silver Haze W: White	WWF: Wall Washer Filter EB: Emergency Battery
	6: 6 Inch				
	8: 8 Inch				
	10: 10 Inch				



ZOOMABLE OPTICS

Versatile Lighting

Adjustable Beam Angle (from 36° to 60°/ from 22° to 36°)
+ Wall Washer Filter For Perfectly Uniform Vertical Illumination

36° Accent Lighting

Highlight key products with precise beam control.



60° Wide Beam

Illuminate larger display areas with fewer luminaires.



Wall Washer

Vertical Illumination
uniform light distribution for walls and product displays.





Zoomable
36° - 60° | 22° - 36°



Accent to
General Lighting



Wall Washer
Accessory



Ideal for Retail
Environments



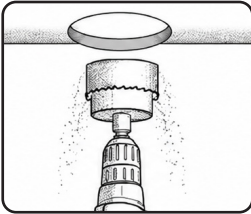
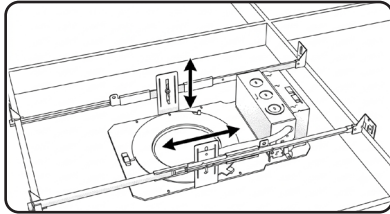
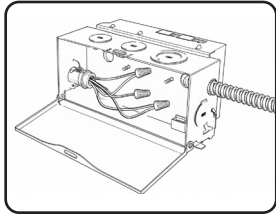
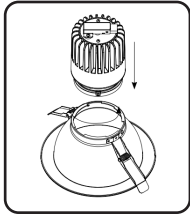
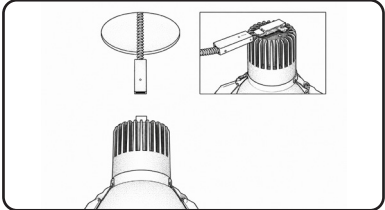
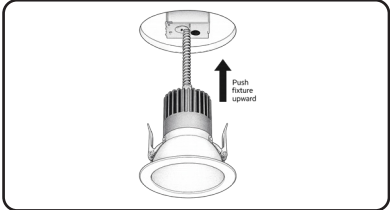
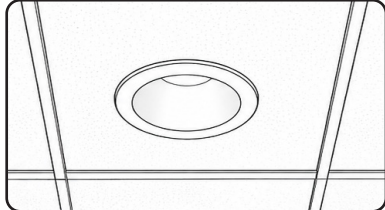
One Luminaire,
Multiple Possibilities

NEW CONSTRUCTION INSTALLATION MANUAL

Please read these instructions carefully before commencing installation and retain for future reference. If in doubt, we advise that you consult a qualified electrician to install the product. These products must not be modified. If any modification is made it may invalidate the warranty and may render the product unsafe. All electrical installations must be carried out according to national electrical code & local regulations.

Important Safety Notes

1. Switch off the electricity at the mains before commencing installation (if a fuse box is used) remove the appropriate circuit fuse to avoid accidental switching on of the mains supply.
2. Connect to a 120-277V supply in accordance with relevant electrical standards.
3. Make sure all connections are tight with no loose strands.
4. Ensure fire regulations are not breached when fitting your lights.
5. If you are in any doubt regarding these instructions, consult a qualified electrician.

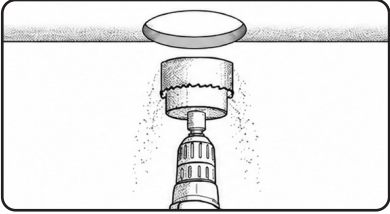
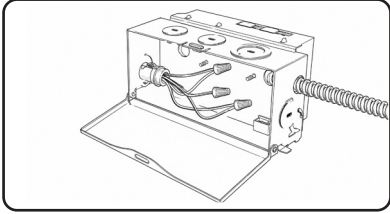
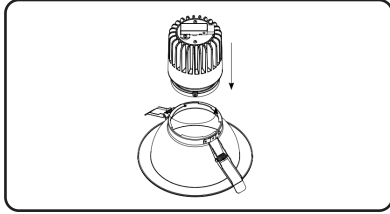
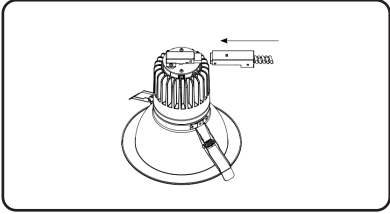
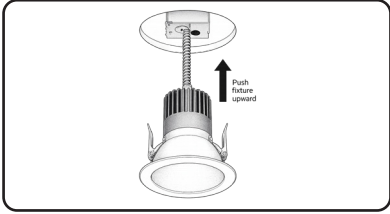
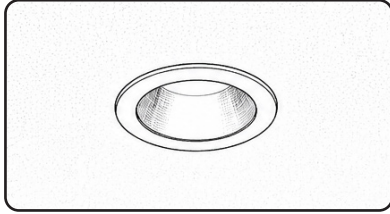
1 CUT CEILING OPENING  Mark the ceiling according to the fixture layout. Cut the opening using a hole saw or suitable cutting tool. Ensure the opening is clean and matches the fixture size.	2 POSITION & ALIGN MOUNTING FRAME  Adjust hanger bars to proper length between t-grid rails. Secure hanger bars to T-bar with an approved fastening method (screws, wire ties, etc.). Align the frame ring with the cutout on the ceiling. Adjust the frame vertically to have the bottom edge of the size ring be flush with the ceiling line. Tighten wing nuts to secure frame position.	3 MAKE ELECTRICAL CONNECTIONS  Identify the appropriate openings on the J-Box for the building wiring. Remove knockouts on the J-Box. Press the clip to open the junction box door. Feed the building wiring into the knockouts and connect to the building wiring.	4 LIGHT ENGINE & TRIM MATING  Using the twist-lock system, align the light engine tabs with the trim slots, place the light engine on the trim, and twist until fully seated.
5 LIGHT ENGINE ELECTRICAL CONNECTION  Pull the conduit whip from the driver through the ceiling cutout hole. Slide the whip onto the connector on the top of the light engine. Set wattage and CCT if applicable before final installation.	6 INSTALL FIXTURE INTO CEILING  Compress both spring clips inward. Insert the fixture into the ceiling opening. Allow the spring clips to expand above the ceiling surface and lock into position.	7 COMPLETE INSTALLATION  Verify that the fixture trim is fully flush with the ceiling surface. Restore power and test the fixture to confirm correct operation.	

RETROFIT INSTALLATION MANUAL

Please read these instructions carefully before commencing installation and retain for future reference. If in doubt, we advise that you consult a qualified electrician to install the product. These products must not be modified. If any modification is made it may invalidate the warranty and may render the product unsafe. All electrical installations must be carried out according to national electrical code & local regulations.

Important Safety Notes

1. Switch off the electricity at the mains before commencing installation (if a fuse box is used) remove the appropriate circuit fuse to avoid accidental switching on of the mains supply.
2. Connect to a 120-277V supply in accordance with relevant electrical standards.
3. Make sure all connections are tight with no loose strands.
4. Ensure fire regulations are not breached when fitting your lights.
5. If you are in any doubt regarding these instructions, consult a qualified electrician.

1 CUT CEILING OPENING  Mark the ceiling according to the fixture layout. Cut the opening using a hole saw or suitable cutting tool. Ensure the opening is clean and matches the fixture size.	2 MAKE ELECTRICAL CONNECTIONS  Identify the appropriate openings on the J-Box for the building wiring. Remove knockouts on the J-Box. Press the clip to open the junction box door. Feed the building wiring into the knockouts and connect to the building wiring.	3 LIGHT ENGINE & TRIM MATING  Using the twist-lock system, align the light engine tabs with the trim slots, place the light engine on the trim, and twist until fully seated.
4 LIGHT ENGINE ELECTRICAL CONNECTION  Pull the conduit whip from the driver. Slide the whip onto the connector on the top of the light engine. Set wattage and CCT if applicable before final installation.	5 INSTALL FIXTURE INTO CEILING  Fold up spring arms on sides of trim. Align trim with hole in ceiling and insert until spring arms are above ceiling plane. Allow spring arms to slowly open, pulling trim up to ceiling. Trim may need to be rotated to allow arms to fully seat.	6 COMPLETE INSTALLATION  Verify that the fixture trim is fully flush with the ceiling surface. Restore power and test the fixture to confirm correct operation.