GREENCREATIVE

ETL CLASSIFIED

SQUARE SPECFIT DOWNLIGHT INSTALLATION GUIDE – WARNING

WARNING – Read all product labels and instructions before installing fixture.

WARNING – Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. Installation should be performed only by a qualified electrician in accordance with the National Electrical Code and relevant local code.

WARNING – Risk of fire or electric shock. Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings.

WARNING – To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

WARNING – Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

WARNING – The recessed luminaire is intended for mounting only in a covered ceiling where only the led side of the luminaire will be exposed to damp or dry locations.

WARNING – INSTALLATION SHOULD ONLY BE PERFORMED AFTER POWER TO THE FIXTURE HAS BEEN DISCONNECTED.

RETROFIT INSTALLATION

1. Make sure the POWER IS TURNED OFF at the source to the recessed housing in which you are installing the product.
2. If existing lamp and trim are present, remove from ceiling or move it out of the way as it will not be needed during installation. Measure the ceiling opening to make sure the edge of the luminaire will cover the entire hole and still sit firmly in the ceiling before proceeding (fig. 1).
3. Open the existing J-box and cut away all wires connected to the ballast (fig. 2).
4. Attach the carabiner safety clip to the existing fixture housing.
5. If using a GREEN CREATIVE SelectDrive driver, adjust the lamp power to desired lumen output by sliding the selector switch on the light engine driver box. The switch will click into place when correctly positioned at either High, Medium or Low outputs. Make sure the switch is never in between positions (fig. 3).
6. Set the light engine driver box beside the housing frame. Allow it to rest on the ceiling or on the existing frame. Insert the open connection end into the existing J-box and wire to the power source (black to hot, white to neutral, green to ground). For dimming circuits, connect gray or pink to grey or pink and purple to purple. Reattach J-box faceplate (fig. 4).
7. To change the lens, turn the existing lens counterclockwise until it comes out of the light engine. Place the feet of the new lens into the three slots and turn clockwise until firmly in place (fig. 5).
8. Attach the reflector to the light engine by inserting the cylindrical pins of the light engine into the L-shaped slots of the reflector. Turn counterclockwise to lock the reflector in place, as shown on the light engine markings (fig. 6).
9. Connect the driver box to the light engine using the attached quick connectors. Make sure the cable collars are secure by inserting the pin into the L-shaped slot and turning until firmly in place (fig. 7).
10. Squeeze the two housing clips so they are in an upright position and insert lamp into housing (fig. 8).
11. Once Luminaire is inside the housing, release the housing clips and continue pushing lamp into housing until securely fixed and flush with ceiling (fig. 9 & 10)
12. Restore power at the source and the installation is complete.

fig. 1

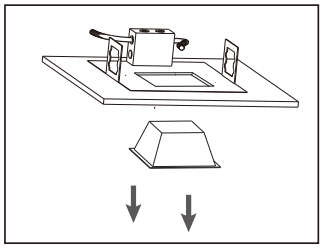


fig. 2

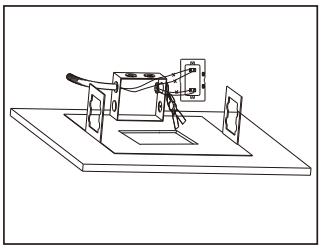


fig. 3

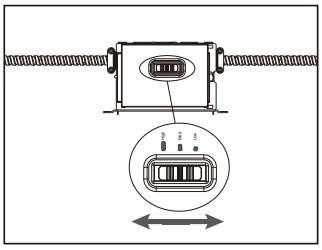


fig. 4

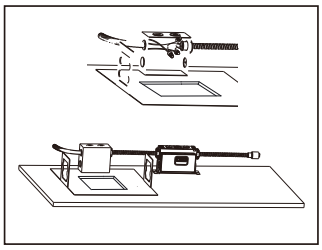


fig. 5

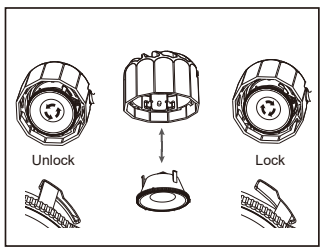


fig. 6

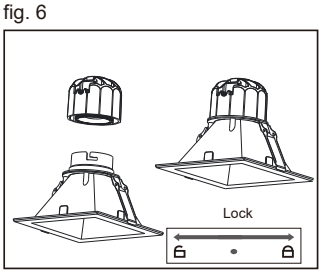


fig. 7

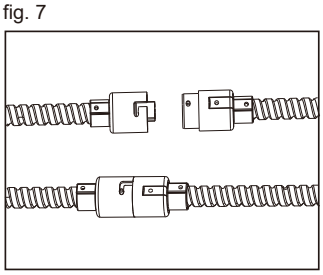


fig. 8

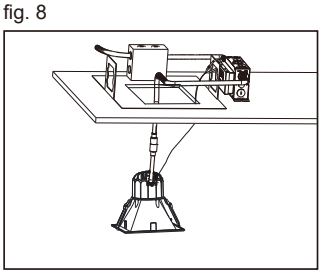


fig. 9

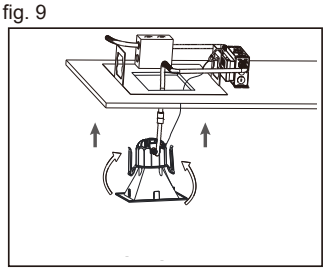
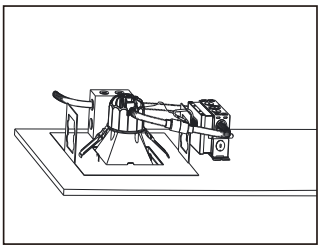


fig. 10



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NEW CONSTRUCTION INSTALLATION WITH JBOX

1. Make sure the POWER IS TURNED OFF at the source to the location in which you are installing the product.
2. If a new hole is needed, use a hole cutter, and set the Opening to 4-1/8 x 4-1/8” for the ADS4xx, 5-5/8 x 5-5/8" for the ADS6xx (fig. 1).
3. Attach the carabiner safety clip to a secure place inside the ceiling.
4. If using a SelectDrive GREEN CREATIVE driver, adjust the lamp power to desired lumen output by sliding the selector switch on the light engine driver box. The switch will click into place when correctly positioned at either High, Medium or Low outputs. Make sure the switch is never in between positions (fig. 2).
5. Set the Light-Engine LED driver box in the ceiling (fig. 3 & 4). If the Light-Engine LED driver box need to be attached, secure it to the ceiling structure, beam joist or new construction plate using screws (not provided), or other method approved by local code. Insert the open connection end into a preinstalled J-box (not provided) and wire to the power source (black to hot, white to neutral, green to ground). For dimming circuits, connect grey or pink to gray or pink and purple to purple. Reattach J-box faceplate (fig. 5).
6. To change the lens, turn the existing lens counterclockwise until it comes out of the light engine. Place the feet of the new lens into the three slots and turn clockwise until firmly in place (fig. 5).
7. Attach the reflector to the light engine by inserting the cylindrical pins of the light engine into the L-shaped slots of the reflector. Turn counterclockwise to lock the reflector in place, as shown on the light engine markings (fig. 6).
8. Connect the driver box to the light engine using the attached quick connectors. Make sure the cable collars are secure by inserting the pin into the L-shaped slot and turning until firmly in place (fig. 7 & 8).
9. Squeeze the two reflectors clips so they are in an upright position and insert lamp into the ceiling (fig. 9).
10. Once lamp is inside the ceiling, release the reflector clips and continue pushing lamp into the ceiling until securely fixed and flush with ceiling (fig. 10).
11. Restore power at the source and the installation is complete.

fig. 1

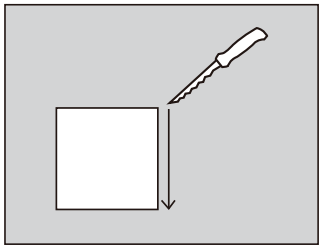


fig. 2

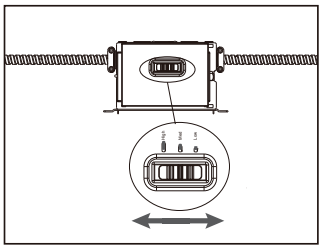


fig. 3

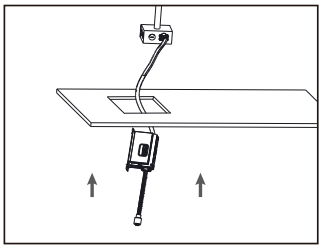


fig. 4

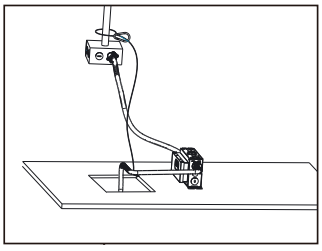


fig. 5

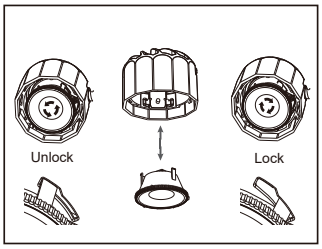


fig. 6

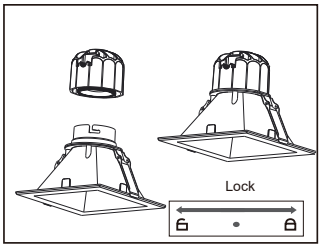


fig. 7

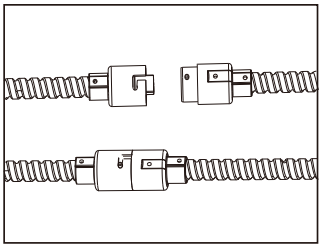


fig. 8

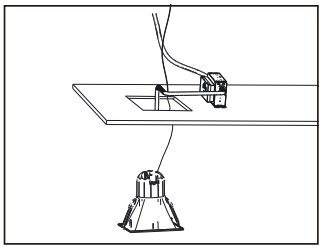


fig. 9

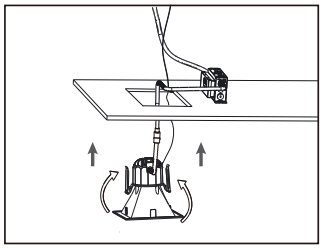
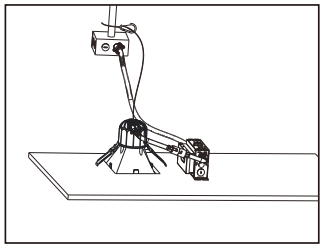


fig. 10



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NEW CONSTRUCTION INSTALLATION WITH USING THE DRIVER BOX

1. Make sure the POWER IS TURNED OFF at the source to the location in which you are installing the product.
2. If a new hole is needed, use a hole cutter, and set the Opening to 4-1/8 x 4-1/8” for the ADS4xx, 5-5/8 x 5-5/8" for the ADS6xx (fig. 1).
3. Attach the carabiner safety clip to a secure place inside the ceiling.
4. If using a SelectDrive GREEN CREATIVE driver, adjust the lamp power to desired lumen output by sliding the selector switch on the light engine driver box. The switch will click into place when correctly positioned at either High, Medium or Low outputs. Make sure the switch is never in between positions (fig. 2).
5. Open the Light-Engine LED driver box face plate. Unscrew and remove the open connection MC cable and disconnect the black, white, gray or pink and purple wires from the driver (fig. 3). Insert the incoming power source MC cable directly to the driver box, through the left open knock-out, secure it. Connect power source wires to the driver (black to hot (L), white to neutral (N), green to ground), using push-in connectors. For dimming circuits, connect grey or pink to - and purple to +, using the push-in connectors. Close and reattach the Light-Engine LED driver face plate. (fig. 4)
6. Set the Light-Engine LED driver box in the ceiling (fig. 5). If the Light-Engine LED driver box need to be attached, secure it to the ceiling structure, beam joist or new construction plate using screws (not provided), or other method approved by local code (Fig. 6).
7. To change the lens, turn the existing lens counterclockwise until it comes out of the light engine. Place the feet of the new lens into the three slots and turn clockwise until firmly in place (fig. 7).
8. Attach the reflector to the light engine by inserting the cylindrical pins of the light engine into the L-shaped slots of the reflector. Turn counterclockwise to lock the reflector in place, as shown on the light engine markings (fig. 8).
9. Connect the driver box to the light engine using the attached quick connectors. Make sure the cable collars are secure by inserting the pin into the L-shaped slot and turning until firmly in place (fig. 9).
10. Squeeze the two reflectors clips so they are in an upright position and insert lamp into the ceiling (fig. 10).
11. Once lamp is inside the ceiling, release the reflector clips and continue pushing lamp into the ceiling until securely fixed and flush with ceiling (fig. 11).
12. Restore power at the source and the installation is complete.

fig. 1

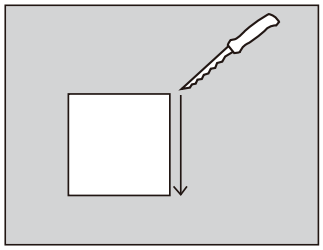


fig. 2

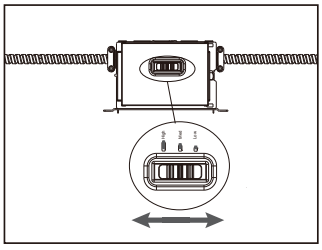


fig. 3

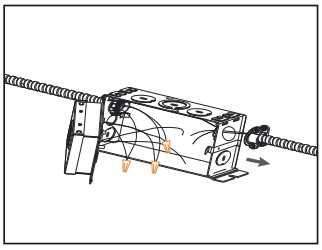


fig. 4

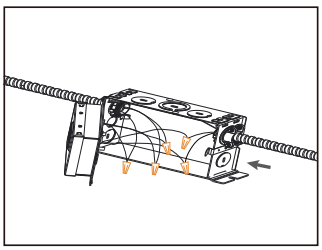


fig. 5

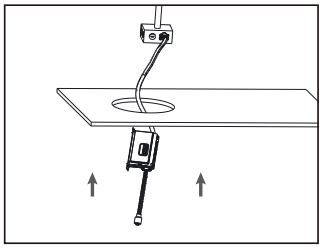


fig. 6

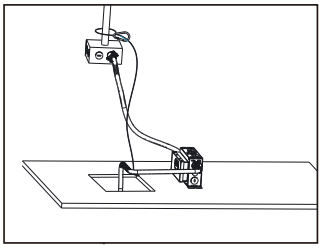


fig. 7

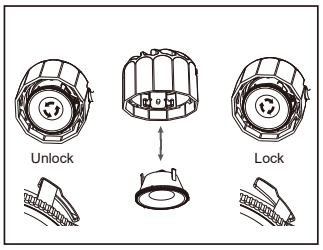


fig. 8

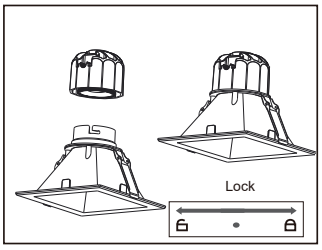


fig. 9

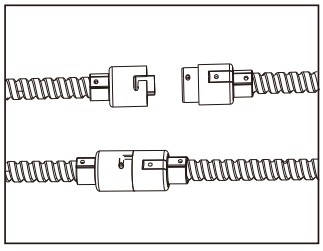


fig. 10

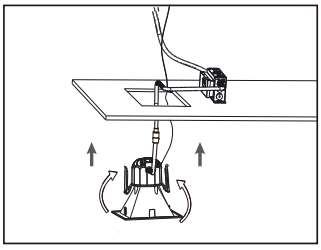
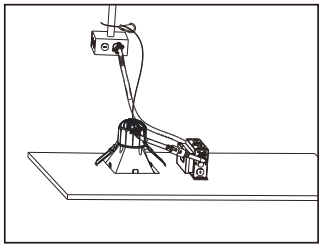


fig. 11



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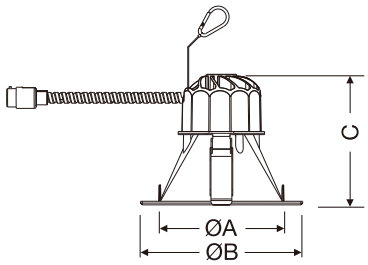
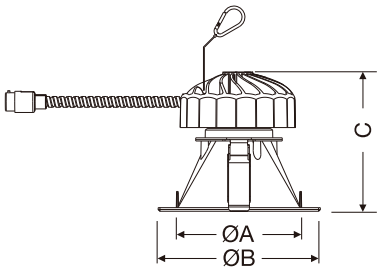
ARCHITECTURAL DOWNLIGHT HOUSING COMPATIBILITY



Small and Medium Light Engine	A (Reflector Aperture)	B (Flange Diameter)	C (Fixture Height)
AD4LExxxADS4xx	3-15/16"	5-1/2"	5-1/8"
AD6LExxxADS6xx	5-1/2"	7-1/16"	5-3/4"



Large Light Engine	A (Reflector Aperture)	B (Flange Diameter)	C (Fixture Height)
AD6LExxxADS6xx	5-1/2"	7-1/16"	6-1/8"

AD4LExxxADS4xx Are compatible with most standard housing with aperture ranging from 4-1/8" - 5-5/16"
AD6LExxxADS6xx Are compatible with most standard housing with aperture ranging from 5-1/2" - 6-13/16"

NOMINAL PERFORMANCE

LES (LE05 / LE07 / LE10) - Low / Medium / High - 6.5 / 8.5 / 12.5W															
CCT	2700K			3000K			3500K			4000K			5000K		
Output* / Finish	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High
	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm
Clear Diffuse	500	700	1,000	525	735	1,050	550	770	1,100	575	805	1,150	580	810	1,165
White	495	693	990	520	728	1,040	545	762	1,089	569	797	1,139	574	802	1,153
Black	440	616	880	462	647	924	484	678	968	506	708	1012	510	714	1,015

LEM (LE15 / LE20 / LE25) - Low / Medium / High - 18.0 / 25.5 / 31.5W															
CCT	2700K			3000K			3500K			4000K			5000K		
Output* / Finish	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High
	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm
Clear Diffuse	1,600	2,125	2,500	1,632	2,169	2,550	1,664	2,210	2,600	1,696	2,253	2,650	1,713	2,275	2,677
White	1,584	2,104	2,475	1,616	2,147	2,525	1,647	2,188	2,574	1,679	2,230	2,624	1,696	2,252	2,650
Black	1,408	1,870	2,200	1,436	1,909	2,244	1,464	1,945	2,288	1,492	1,983	2,332	1,507	2,002	2,355

LEL (LE30 / LE40 / LE50) - Low / Medium / High - 37.5 / 48.5 / 60.0W															
CCT	2700K			3000K			3500K			4000K			5000K		
Output* / Finish	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High
	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm	lm
Clear Diffuse	3,325	4,085	4,750	3,360	4,080	4,800	3,500	4,250	5,000	3,640	4,420	5,200	3,640	4,420	5,200
White	3,292	4,044	4,703	3,326	4,039	4,752	3,465	4,208	4,950	3,604	4,376	5,148	3,604	4,376	5,148
Black	2,826	3,472	4,038	2,856	3,468	4,080	2,975	3,613	4,250	3,094	3,757	4,420	2,829	3,757	4,420

* Lumen output are based on rated lumens