TransLEDer™

AL-090-BB-CC-XX-D-ZZ
AL-160-BB-CC-XX-D-ZZ
AL-245-BB-CC-XX-D-ZZ
AL-275-BB-CC-XX-D-ZZ

LED Area Lighting Luminaire

INSTALLATION GUIDE

DLC QPL LISTED PREMIUM
ida DARK SKY APPROVED by the International Dark-Sky Association darksky.org
C ETL LISTED US Intertek
FC
RoHS Compliant

IMPORTANT NOTICE

- Always disconnect the power source before installation or maintenance to minimize potential electrical shocks.
- This lighting fixture should be installed following local electrical regulations. If you're unsure about these codes and requirements, it's recommended to seek advice from a professional electrician.
- If a NEMA photo control is part of the installation, please refer to the specific section on NEMA Receptacles for guidance.
- If the mounting bolts are entirely removed during servicing, it's important to start threading them by hand before using power tools. This will help prevent cross-threading or stripping of the bolts during reinstallation.
- This lighting fixture is specifically designed for outdoor applications.
- Only the manufacturer, a service agent, or a similarly authorized individual could replace any electrical components in this fixture, such as the light source, the driver, the SPD, and others.

PREPARE FOR INSTALLATION

- The slip-fitter, made of cast Aluminum, is engineered to attach to a pipe tenon or rigid conduit with outer diameters ranging between 1.660" (equivalent to 1.25" NPS) and 2.375" (equivalent to 2" NPS).
- The luminaire's tilt is secured by tightening two hex socket head bolts. For precise adjustment, incremental marks of 20^{o} (-10^{o} to $+10^{o}$) are provided, allowing tilting in 5^{o} increments.
- To accommodate various outer diameters of a round power cable, three distinct inner seals are included:
    - Large seal: suitable for outer diameters from 0.55" to 0.75";
    - Medium seal: suitable for outer diameters from 0.39" to 0.55";
    - Small seal: suitable for outer diameters from 0.28" to 0.39".

ADJUST THE SLIP-FITTER TILTING ANGLE

The initial tilting angle is set at zero degrees. To adjust this, loosen the two hex socket head bolts on the tilting panel and move the slip-fitter along the tilt track to your desired position. Once adjusted, secure the position by tightening the bolts with a maximum torque of 9.0 ft-lbs (equivalent to 12.2 Nm).

Reference Figure 1.

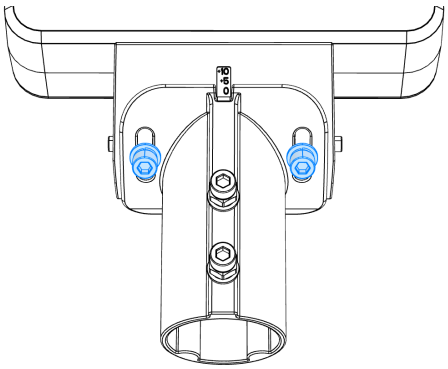

Figure 1

PREPARE THE CABLE GLAND

Unscrew the sealing nut from the cable gland, and insert the appropriate inner seal into the main body of the cable gland. Reattach the sealing nut, but do not fully tighten it yet to allow for the insertion of the power cable.

Reference Figure 2.

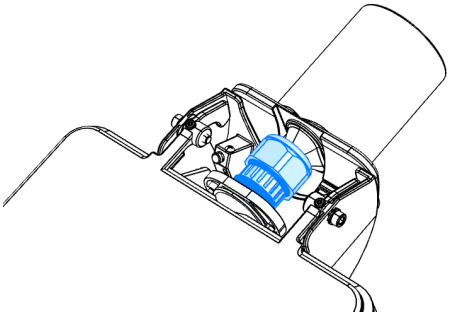

Figure 2

PREPARE THE SLIP-FITTER

Unfasten the two hex socket head bolts that are connected to the slip-fitter. Move the slip-fitter to the desired location. Turn the luminaire so the TransLEDer trademark faces upwards, ready for the power connection.

Reference Figure 3.

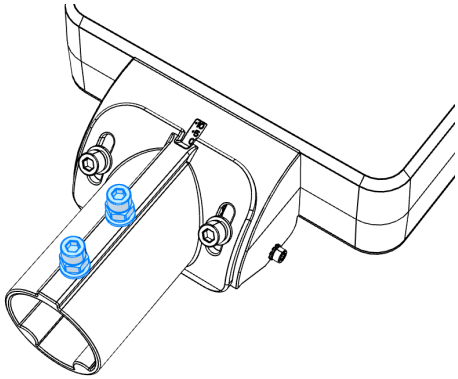

Figure 3

CONNECT THE POWER CABLE

STEP 1:
Unscrew the two flat-head fixing screws and open the access door with the TransLEDer trademark.

Reference Figure 4

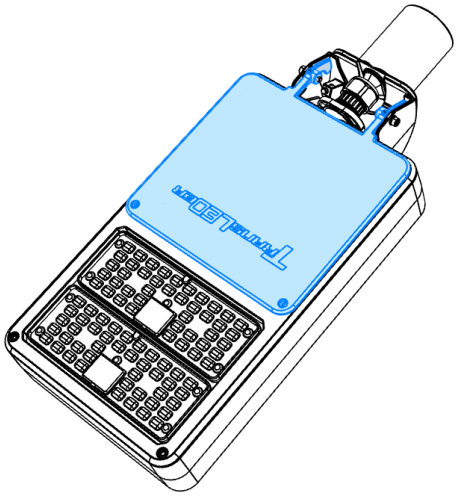

Figure 4

STEP 2:
Guide the power cable into the luminaire through the slip-fitter, utilizing the cable gland and cord grip for a secure passage.

Reference Figure 5.

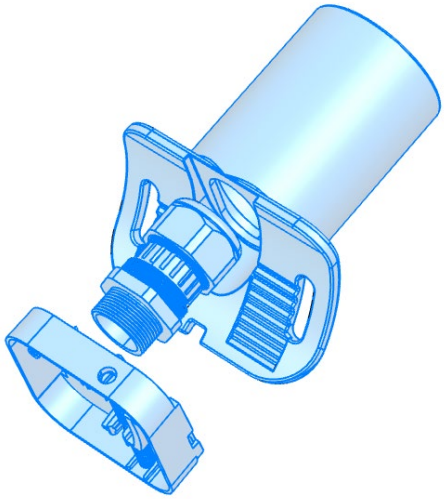

Figure 5

STEP 3:
Loosen the three flat-head screws in the terminal blocks marked with L1, G, and N.

Reference Figure 6.

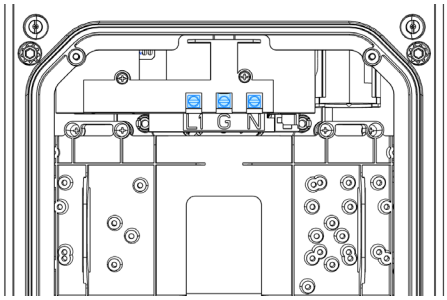

Figure 6

STEP 4:
Proceed with the following electrical connections to the terminal blocks:

- Attach the phase wire L1 (BLACK) from the power cable to the line supply slot on the terminal block labeled as L1. Secure it by tightening the screw. Check the wire connection for accuracy.
- Link the ground wire (GREEN) from the power cable to the ground slot on the terminal block labeled as G. Ensure it is secure by tightening the screw. Verify the wire connection.
- Connect the neutral wire (WHITE) from the power cable to the neutral supply slot on the terminal block labeled as L2/N. Fasten it by tightening the screw. Review the wire connection.

STEP 5:
Retract the power cable, then secure it by tightening the flat-head screw on the cord grip.

Reference Figure 7.

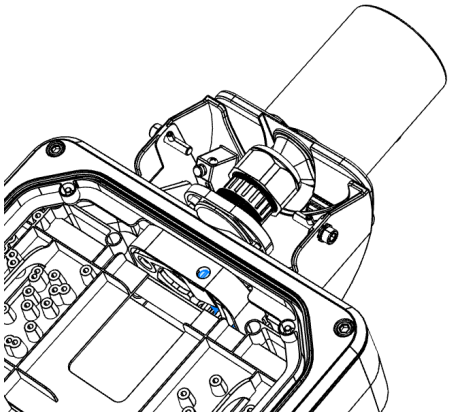

Figure 7

STEP 6:
Secure the access door by closing it and fastening the two flat-head screws.

STEP 7:
Ensure the cable gland is secure by tightening its sealing nut.

STEP 8:
Retract the power cable towards the tenon. Move the luminaire onto the tenon. Adjust the luminaire to your desired position by rotating it.

STEP 9:
Inspect the vertical and horizontal levels of the luminaire. Tighten the two hex socket head locking screws attached to the slip-fitter, then use a wrench to tighten the nuts and firmly secure the luminaire to the tenon with a maximum torque of 9.0 ft-lbs (equivalent to 12.2 Nm).

Reference Figure 8.

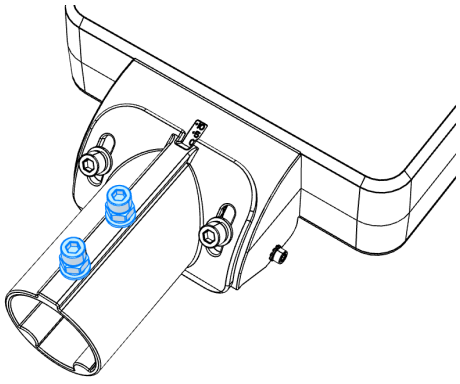

Figure 8

INSTALL PHOTOCELL

Ensure the photocell blades are aligned with the power contact circuits of the receptacle. Note that the neutral photocell blade is larger than the line and load blades, which ensures correct polarization when mating. Once the blades are correctly aligned with the receptacle's power contact circuits, press down until the photocell rests on the receptacle's mating surface, causing a slight compression of the photocell's gasket. Complete the mating process by rotating the photocell clockwise to lock it into position.

PHOTOCELL ORIENTATION

The receptacle should be positioned on the luminaire housing such that the North indicator on the photocell points towards the North in the Northern Hemisphere (or South in the Southern Hemisphere). By pressing and holding the **PUSH TO UNLOCK** button on the patented rotatable receptacle base, you can rotate the receptacle either clockwise or counter-clockwise to achieve the correct orientation. The 355° stop will likely be activated if you encounter resistance while rotating. In this case, rotate the receptacle base in the opposite direction until you reach the desired orientation. Once done, release the **PUSH TO UNLOCK** button and check the photocell to ensure it's securely locked in place.

Reference Figure 9.

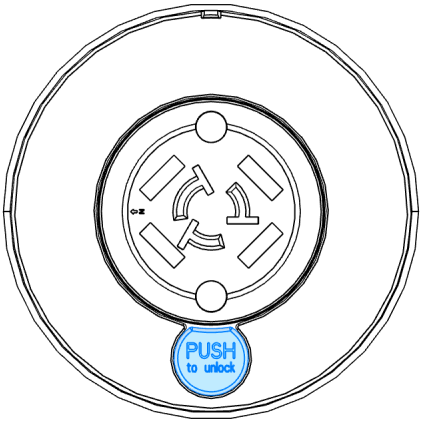

Figure 9

ORDER GUIDE

Group	TL	AAA	BB	CC	XX	E	FF
Example	AL	275	5M	NW	UL	D	BZ

Group	Description
RL	Represents TransLEDer LED **Area Lighting;**
AAA	Represents input power, which can be 090, 160, 245, or 275, or others, e.g., 275=**275 W;**
BB	Represents lens type, distinguished by different models, which can be 2M, 3M, 4M, 4S, 5M, 5S, or others. Type II (Full Cutoff) 2S (Short); **2M (Medium)*;** 2L (Long); Type III (Full Cutoff) 3S (Short); **3M (Medium)*;** 3L (Long); Type IV (Full Cutoff) 4S (Short); **4M (Medium)*;** 4L (Long); Type VS (Full Cutoff) 5S (Short); **5M (Medium)*;** 5L (Long).
CC	Represents the nominal Correlated Color Temperature, which can be CW Cool White 5000 K (± 300 K); **NW Neutral White 4000 K (± 300 K)*;** WW Warm White 3000 K (± 300 K)+;
DD	Represents the input voltage: UL (120-277V)**, or VL (120-240/277V).
E	Represents the dimming function, D (DALI)*, or P (Photocell).
FF	Represents the luminaire body color, which can be BK, BZ, GN, GY or WT BK Black (RAL 9017); **BZ Bronze (RAL 8019)*;** GN Green (RAL 6005); GY Gray (RAL 7038); WT White (RAL 9010).

* Featured products.

\+ Warm-toned LED light sources (3000K or lower) must be selected to meet the International Dark-Sky Association dark sky requirements.