Development Services

From Concept to Construction

Phone: 503-823-7300 Email: bds@portlandoregon.gov 1900 SW 4th Ave, Portland, OR 97201 More Contact Info (http://www.portlandoregon.gov//bds/article/519984)

APPEAL SUMMAR	Y			
Status: Decision Rend	lered			
Appeal ID: 25056			Project Address: 2735 NE 82nd Ave	
Hearing Date: 8/11/21			Appellant Name: Ryan Keene	
Case No.: E-001			Appellant Phone: 5034936045	
Appeal Type: Electrical			Plans Examiner/Inspector: Jim Scerenscko, Brian Crise	
Project Type: commercial			Stories: 5 Occupancy: A-1, A-2, A-3, B, E, S-1 Construction Type: 1-B	
Building/Business Name: Madison High School			Fire Sprinklers: Yes -	
Appeal Involves: Correction of a violation			LUR or Permit Application No.: 20-138428-ET	
Plan Submitted Option	n: pdf [File	1] [File 2]	Proposed use: Gymnasium	
APPEAL INFORMA	ATION SHE	=E		
Code Section	NEC 410.62			
	 Electric discharge and LED luminaires shall comply with (1), (2), and (3) as applicable. (1) Cord-Connected Installation. A luminaire or a listed assembly in compliance with any of the conditions in (a) through (c) shall be permitted to be cord connected provided the luminaire is located directly below the outlet or busway, the cord is not subject to strain or physical damage, and the cord is visible over its entire length except at terminations. (a) A luminaire shall be permitted to be connected with a cord terminating in a grounding-type attachment plug or busway plug. (b) A luminaire assembly equipped with a strain relief and canopy shall be permitted to use a cord connection between the luminaire assembly and the canopy. The canopy shall be permitted to include a section of raceway not over 150mm (6 in.) in length and intended to facilitate the connection to an outlet box mounted above a ceiling. (c) Listed luminaires connected using listed assemblies that incorporate manufactured wiring system connectors in accordance with 604.100(c) shall be permitted to be cord connected. 			
Code Modification or Alternate Requested	Current installation method does not create a safety issue.			
Proposed Design	The installa through the concealed. boxes. Elect full access to terminating	The installation per NEC 410.62(C)(1)(b) states the cord shall be permitted to be terminated through the canopy. Terminations through the canopy are primarily relevant when ceilings are concealed. For the fixtures in question, the ceilings were exposed with surface mount junction boxes. Electrical cord terminations are permitted through a knockout of the junction box. Having full access to the surface mounted junction box, the fixtures in question were cord connected terminating through a junction box knockout.		

Attached material cut sheet and letter from manufacturer support that the fixture installation method is acceptable.

Reason for alternative Canopies were not included in the manufacturer's design of this fixture. Terminating this cord into a knockout of the surface mounted junction box is the only installation method available while still using UL listed terminations.

APPEAL DECISION

Existing light fixture installation to remain: Hold for additional information. See note below regarding the process for submitting additional information.

Appellant may contact Brian Crise (503-823-8148) with questions.

Additional information is submitted as a no fee reconsideration, following the same submittal process and using the same appeals form as the original appeal. Indicate at the beginning of the appeal form that you are filing a reconsideration and include the original assigned Appeal ID number. The reconsideration will receive a new appeal number.

Include the original attachments and appeal language. Provide new text with only that information that is specific to the reconsideration in a separate paragraph(s) clearly identified as "Reconsideration Text" with any new attachments also referenced. Once submitted, the appeal cannot be revised. No additional fee is required.

LUXdynamics IK10 and BAR

Installation Instructions



IMPORTANT SAFEGUARDS

When using electrical equipment, the following safety precautions should always be taken:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- 1. To avoid the possibility of electrical shock, turn off power supply before installation or servicing.
- 2. Product must be installed in accordance with NEC and your local electrical code. If you are not familiar with these codes and requirements, consult a qualified electrician.
- 3. Ensure the mounting surface is capable of supporting the weight of the luminaire before installation.
- 4. Due to the weight of the luminaire, as many as 3 people may be necessary during TANDEM installation.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE



for use with options: Hx-xY H4Px



Ensure the fixture is hanging level before proceeding.



for use with options: SM SMH



Fasten the fixture directly to the mounting surface through the electronics channel. Please note, this can only be done with BOTTOM ACCESS option.



Ensure the fixture is firmly mounted, with all hardware flush to the mounting surface, before relpacing lid and closing the electronics channel.

Electrical Connections



 $\bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet$

Make the following Electrical Connections:

- a. Connect the green or green/yellow ground lead to the green wire position of the terminal block.
- b. Connect the black fixture lead to the voltage supply position or Hot 1 (for 208/240V wiring).
- b1. If applicable, connect the Red fixture lead to the voltage supply position or Hot 2 (for multiple-switch installations).
- c. Connect the white fixture lead to the neutral supply position or Hot 2 (for 208/240V wiring).
- d. Connect the purple/blue dimming positive lead to the supply dimming positive lead.
- e. Connect the grey/red dimming negative lead to the supply dimming negative lead



To whom this letter concerns,

LUX dynamics warrants components that have been installed or assembled at the LUX dynamics factory. This includes the factory-installed cord, if applicable, as the cord is a part of the listed assembly. While no issues are taken with the installation as shown in the photos from Dan Wagenknecht's email on July 13th 2021, LUX cannot verify whether or not any regional or national codes or requirements are met. This includes the wiring of the fixture to the building infrastructure. While LUX dynamics fixtures are designed to be able to be hardwired in conditions and locations where appropriate, LUX makes no specific claim about the local, regional, or national codes governing any particular installation.

The below image displays a typical wiring diagram of a LUX fixture using a 5conductor cord. Hardwired connections are what LUX dynamics uses to test fixtures during production as they are commonly more secure than plug and receptacle connections, specifically with 5-conductor cords. LUX fixtures are suitable for hardwired connections provided that the licensed installer adheres to all applicable regional or national codes and requirements.



For 5-Conductor Installations

The installer is responsible for components installed in the field as well as the installation of the factory-assembled luminaire, and therefore responsible for the components and installation meeting codes and requirements.

If any additional detail is needed, please feel to reach out to LUX dynamics using the number below or by emailing <u>techsupport@luxdynamics.com</u>.

Sincerely,

LUX dynamics