

SL05

OUTDOOR STEPLIGHT



Job Information	
Project Name	
Type	
Location	
Quantity	
Date	

DESCRIPTION

This high-performance recessed fixture is specifically designed for installation in concrete walls, stairs, and steps in public areas such as plazas, pathways, and parking structures. With its sleek, modern profile, it blends seamlessly into architectural environments while providing powerful, glare-controlled illumination. A heavy-duty stainless steel back box ensures strength and stability during the concrete pour process. Certified by CETL and backed by a 5-year warranty, this fixture delivers long-lasting reliability for high-traffic, outdoor application.

OVERVIEW

- 24VDC or 120VAC
- 0-10V Dimming
- IP65 and IK05

PERFORMANCE

MODEL NAME	SL05
POWER CONSUMPTION(±10%)	18 W 28 W
INPUT VOLTAGE	120-277VAC/24VDC
LUMINOUS FLUX (±10%)	873 LM 1200 LM
EFFICACY(4000K RA80)	49 LM/W 43 LM/W
DIMMING	0-10V
CCT	3000K/3500K/4000K
CRI	>80
BEAM ANGLE	IV 86°X45° (75°X50° Option)
MATERIAL	DIE CASTING ALUMINUM, TEMPERED GLASS
FINISH	DARK GREY/SILVER/BLACK
IP RATING	IP65
IK RATING	IK05
OPERATING TEMPERATURE	-20°C TO + 55°C(-4°F TO 131°F)
LIFESPAN OF LED @TA=25°C	50000 HRS, L80
WARRANTY	5 YEARS
APPLICATION	OUTDOOR, LANDSCAPE, PERIMETER

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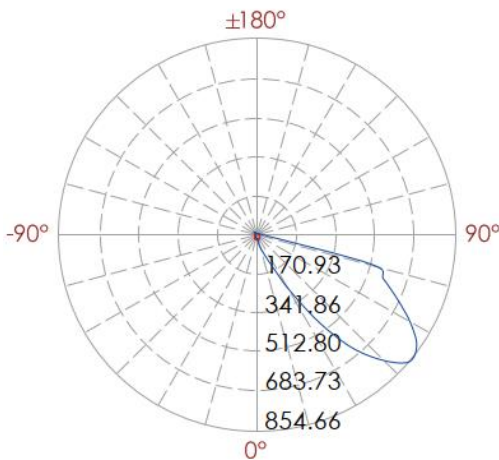
OUTDOOR STEPLIGHT

PRODUCT ORDERING GUIDE

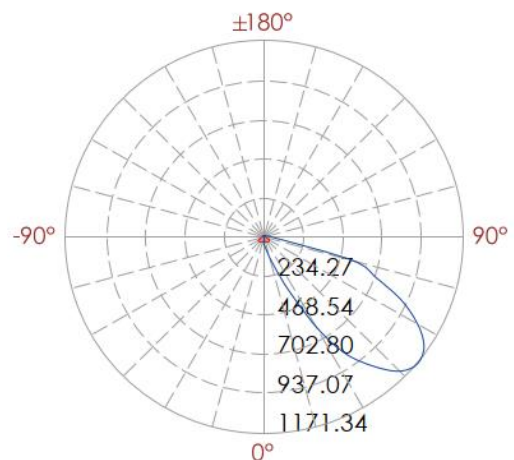
EXAMPLE: SL05-24-18W-3000-86-V-G

SERIES	VOLTAGE	WATTAGE	CCT	BEAM ANGLE	DIMMING	FINISH
SL05	UNV: 120-277VAC	18W	3000	86: 86°X45°	V: 0-10V	B: BLACK
	24: 24VDC	28W	3500	75: 75°X50°	N: NONE	G: DARK GREY
			4000			S: SILVER

DISTRIBUTION



18W
86°X45



28W
86°X45

FEATURES

► Optics

Type IV 86°X45° (75°X50° Option)

► Electrical

Voltage: 120-277 V AC, 50 / 60 Hz Or 24VDC
Power Factor 0.899

► Environment & Certifications

cETL listed for wet locations

► Warranty

5 years limited warranty

► Housing Material

Die-cast aluminum housing ensures durability and efficiency.

► LED System

CRI With a 80+ color rendering index (CRI), this product delivers adequate illumination.

CCT Selectable 3000K, 3500K, and 4000K with excellent color consistency.

► Finish

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

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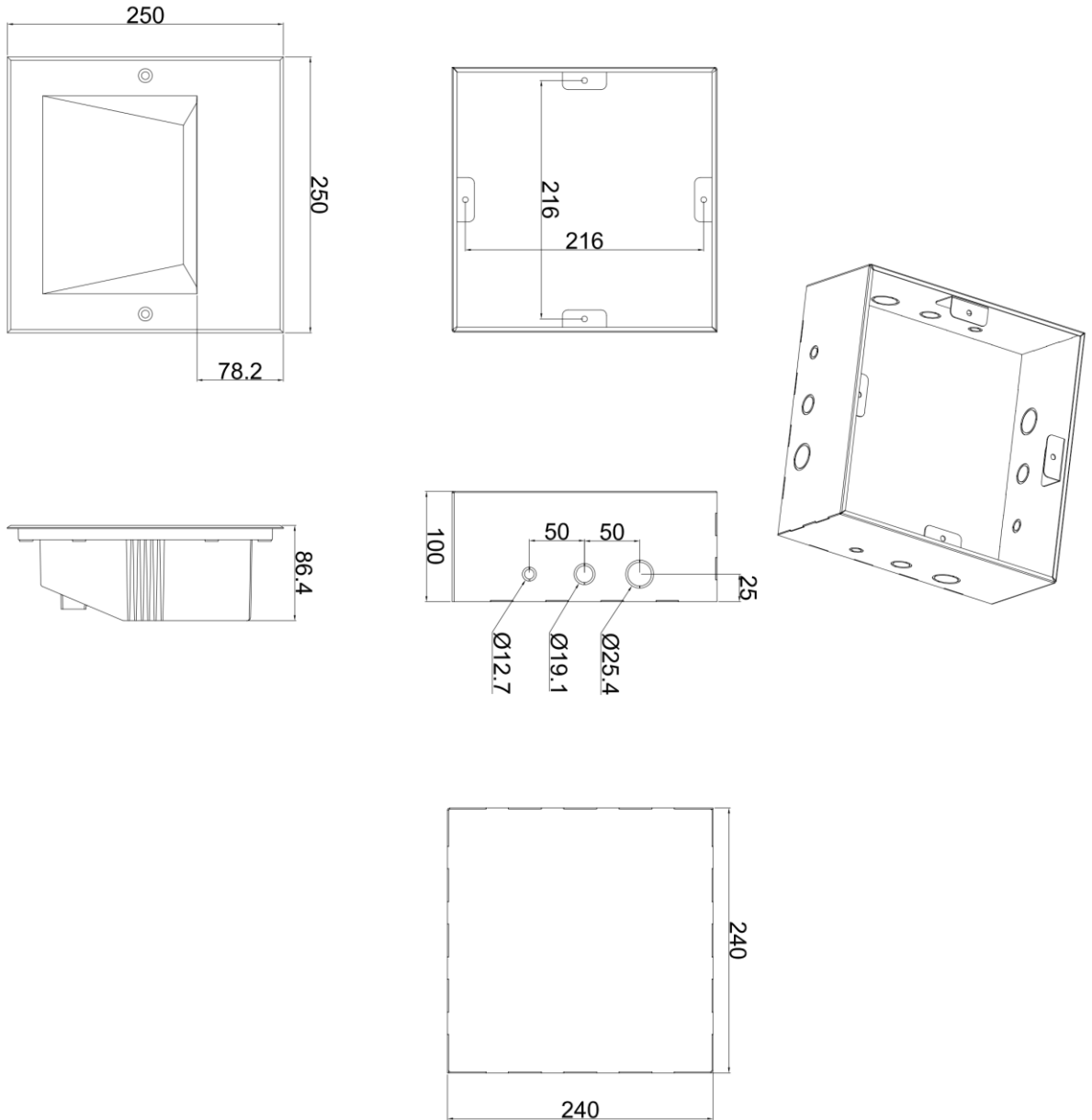
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DIMENSIONS

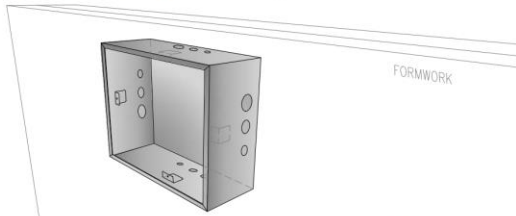


INSTALLATION MANUAL

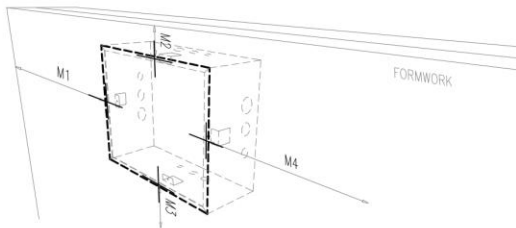
Gather the Necessary Tools and Materials

- LED lights
- Screwdriver
- Drill
- Wire stripper
- Wire connectors
- Electrical tape

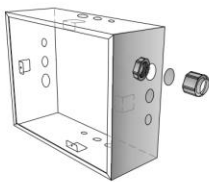
Measure and Mark the Placement of Lights



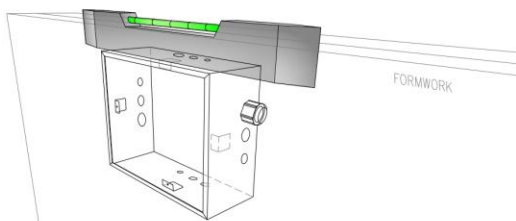
- At the concrete formwork, using the housing, determine lighting location



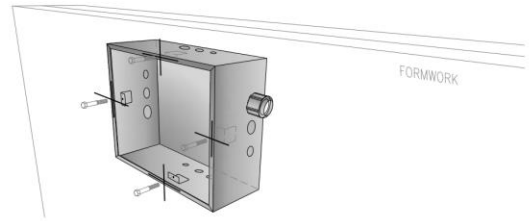
- Measure the distance on all sides for symmetry. Mark & pre-drill four corners to be secured with a machine screw



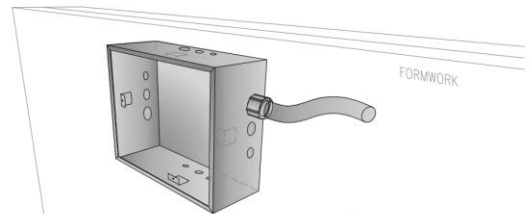
- Prepare the housing. Select a knockout location best suited for installation and attach the cable connector



- Place the housing at the marked location and ensure the horizontal surface is leveled and squared.



- Secure housing w/ machine screw and check for stability.



- Connect conduit, pull wires through into the housing. Be sure that unused electrical knockouts are closed before concrete pouring.

Wiring the LED Step Lights

Turn Off the Power

- Locate the circuit breaker that controls the area where you will be installing the lights
- Turn off the power to ensure safety during the installation process

Connect the Wires

- Strip the insulation from the wires of the LED step lights and the power source
- Connect the wires using wire connectors, matching the positive and negative terminals

Secure the Wiring

- Use marrettes twist-on wire connector to secure the wire connections and prevent any accidental disconnections

Attach the Lights to the Steps

- Use screws to secure the light to the fixed housing on the masonry unit
- Ensure that the lights are securely mounted and aligned properly

Clean Up and Finalize

- Remove any excess wiring or debris from the installation area
- Double-check the alignment and functionality of each light