

DATE:	PROJECT:	TYPE:
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CATALOG NUMBER LOGIC:



*Select up to 2. Accessory Holder required.

**Bluetooth Control System for use with iPod Touch 5 or later, iPad Mini, iPad3 (2012) or later or iPhone 4S or later.

***For use with DMX.

CATALOG NUMBER LOGIC

Example: CO2 - LED - TR - C27 - SP - SAP - 10/11 - 010 - MT - AH/TC

MATERIAL

(Blank) - Aluminum B - Brass S - Stainless Steel

SERIES

CO2 - In-grade with Surface Mounted Faceplate

OptiLock®

LED - 'C' module with Color Tuning Technology

HOUSING

TR - Integral

LED TYPE

C27 - 35W LED/1650-8000K + Saturation and Hue

OPTICS

SP - Spot (20°) FL - Flood (40°) WFL - Wide Flood (60°)

FINISH (See page 2 for full-color swatches)

Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)

Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRM, HUG, NBP, OCP, RMG, SDS, SMG, TFX, WCP, WIR)

Also available in RAL Finishes

Brass Finishes (MAC, POL, MIT)

Stainless Steel Finishes (MAC, POL)

ACCESSORY*

10 - Spread Lens

11 - Honeycomb Baffle

12 - Soft Focus Lens

13 - Rectilinear Lens

CONTROL

010 - 0-10V Wired Installation (Requires 2 sets of 0-10V controls, sold separately)

BT - Bluetooth**

DMX - DMX Control

DMX END RUN***

ER - DMX End Run (end run required per loop)

INPUT VOLTAGE

MT - 120-277 VAC Input

OPTIONS

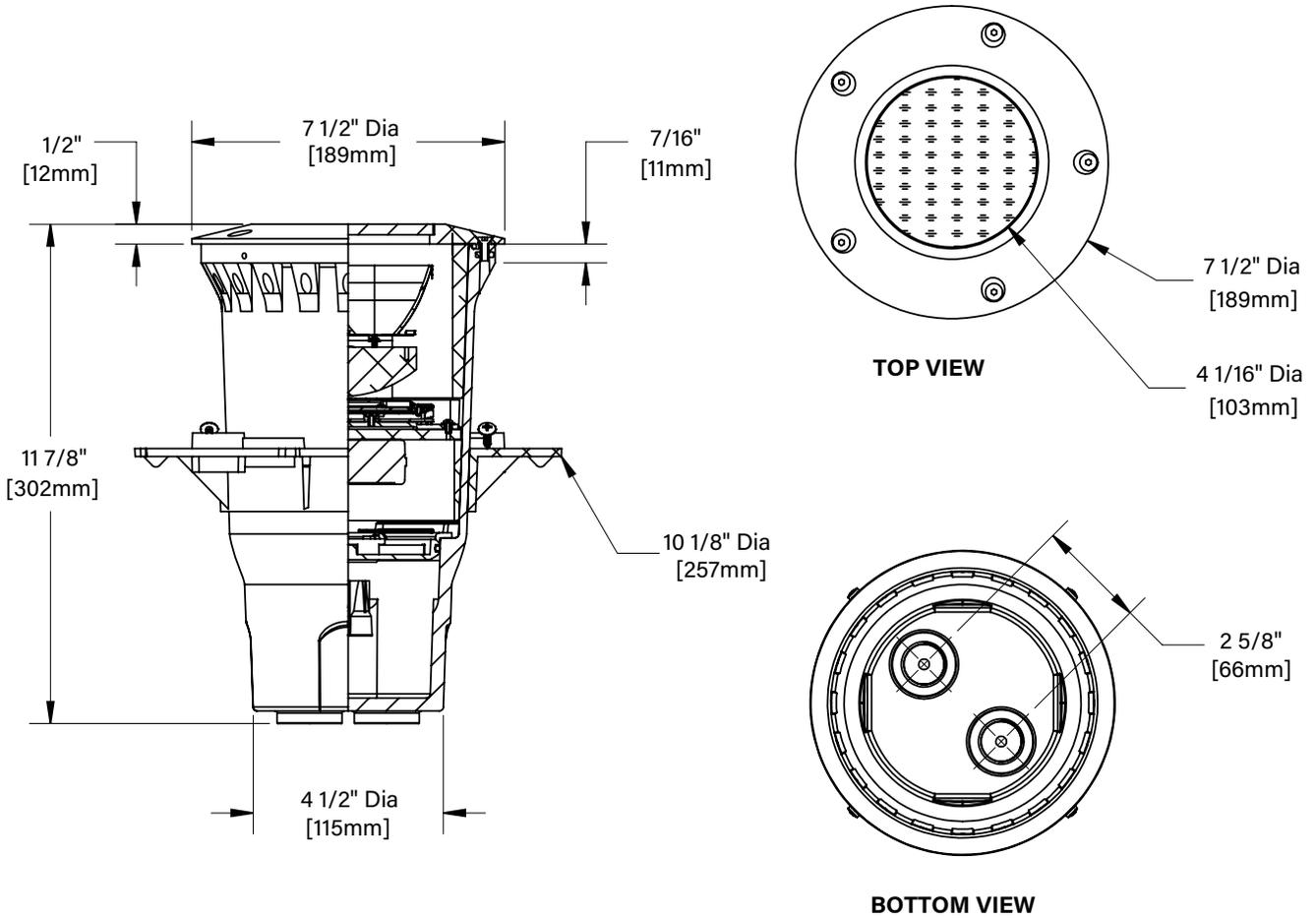
AH - Accessory Holder

TC - Traction Control Lens

GM-R - Round Grout Mask

GM-S - Square Grout Mask

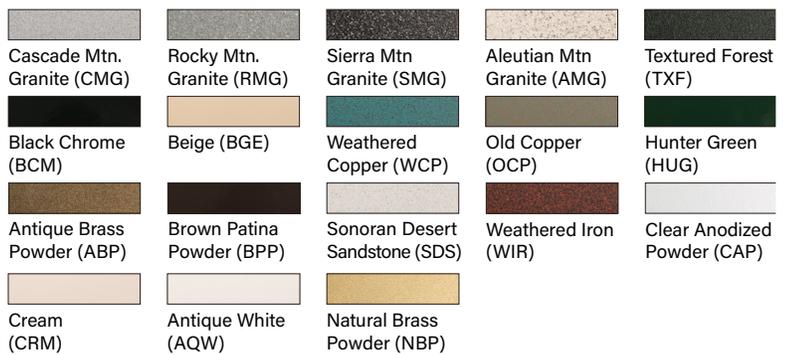
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STANDARD FINISHES



PREMIUM FINISHES



[Click Here](#) to view larger, full-color swatches of all available finishes on our website.

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ACCESSORIES (Configure separately)

SPECIFICATIONS

ELECTRICAL	WATTAGE	35W LED
	0-10V WIRED CONTROL	Requires two (2) sets of 0-10V industry wired controls; one provides CCT modulation between 1650K through 8000K in 1% increments and the second enables 5-100% dimming in 1% increments. Two (2) sets of control wires wired direct to the fixture. iOS device may also be utilized to select a single color point off the Planckian curve for dynamic full color output with the remaining functions enabled by the 0-10V controls.
	INSPIRATION (Wireless Bluetooth® Technology)	Wireless communication system creates dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed via free Inspiration mobile application available at the Apple App Store. Requirements: iOS device with installed Inspiration app (not included). Compatible with iPhone® (4S or newer); iPad® (3rd gen or newer); iPad Mini®; iPad Air®; iPod Touch® (5th gen or newer).
	DMX CONTROL TECHNOLOGY	DMX512 controller used with RDM or Inspiration (Wireless Bluetooth® Technology) for setting DMX slots. 32 fixtures maximum in a daisy-chain wire run, which includes the controller and opto-splitter. Final device in the daisy-chain must be terminated with a 120-ohm resistor between DMX+ and DMX- pins. The resistor is factory installed. A universe is 512 channels. Maximum non-RDM wire run is 1600 feet. Maximum RDM wire run is 1000 feet. All wiring must be a continuous run and daisy chained. When addressing fixtures do not skip addresses.
	WIRING / CONNECTORS	XLPE coated wire, 18 gauge, 300V, 125°C rated and certified to UL3265 standard. Features OptiLock® and gear tray quick disconnects. Patented HydroLock® with three (3) Water-Tight connectors supplied for incoming connection. Maximum (2) #10 & (1) #18. Minimum (1) #12 & (1) #18.
	DRIVER ASSEMBLY	For use with [1] 3A Max, Class 2, constant voltage driver. 120-277VAC (nominal) primary input voltage. 50/60Hz. >0.90 Power Factor, 13.4A pk @ 120VAC in-rush current, <20%THD (nominal at 120VAC full load). Output over-voltage, over-current, and short circuit protection with auto recovery. EMC: FCC47CFR Part 15 Class B compliant.
PHYSICAL	FIXTURE HOUSING	Corrosion-free, high strength, flame retardant and UV stabilized, injected molded polycarbonate. Two (2) bottom-entry, 3/4" NPT female conduit entries with knockout plugs and four (4) side flats for 1/2" or 3/4" conduit adapters.
	PATENTED STABILITY FLANGE	Corrosion-free composite flange projects into installation substrate to reinforce housing stability. Integral REBAR saddles simplify installation into concrete form. Four (4) orthogonal bosses permit use of 1/2" PCV conduit or EMT to simplify vertical position and leveling of housing. Preset self-tapping screws anchor housing at proper elevation.
	AIMING	Dual axis heat sink system rotates 360° and provides vertical adjustment up to 15° from nadir. Positive lock action ensures optical orientation.
	LED	Integrated solid state system and modular design with electrical quick disconnects permit field upgrade and maintenance. LM-80 certified. Minimum 50,000 hour rated life at 70% of initial lumens (L70). LEDR technology provides long life, significant energy reduction and exceptional thermal management.
	TUNABLE WHITE	Dynamically controlled, close tolerance system replicates a wide spectrum of natural white light. Enables continuous modulation from 1650K through 8000K CCT (+/- 2 SCDM). Dimmable from 5-100% in 1% increments. Precision control of high color values are maintained across the tunable range. Industry-leading CRI performance (Ra Range 92-98. Ra @ 3000K 97. R9 @ 3000K 98).
	SATURATION & HUE	Provides additional flexibility for varying levels of saturation and hue to a chosen fixed color point off the Planckian curve. Once a CCT value is selected, the saturation function allows movement away from the black body curve toward fully saturated color in 1% increments. The Hue function permits further refinement by circulating around the chosen color point in 1% increments.



RoHS



B-K LIGHTING

MADE IN THE USA

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SPECIFICATIONS

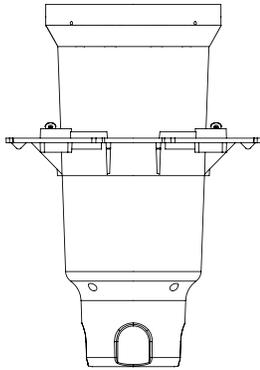
PHYSICAL	INSTALLATION	Integral, copper-free aluminum concrete pour collar (CPC) in black finish permits direct burial in soil or concrete. Consult Drainage Installation Guide for In-Grade Fixtures (DIG-IT) for compliance with proper soil preparation and drainage requirements prior to installation.
	WATER MANAGEMENT	High temperature silicone 'O' Ring at faceplate. HydroLock® technology provides fail-safe water barrier between junction box and interior components. IP68 rated.
	LENS	High heat, Shock-resistant, 1/4" Tempered Soda Lime glass lens.
	FACEPLATE	Options include solid, 1/2" machined 6061T6 aluminum, brass or stainless steel with five (5) black oxide, captive, stainless steel mounting screws.
	FINISH	StarGuard, our 15-stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant. Powder coat or metal finish options available for brass material and metal finish option only for stainless steel material.
	WARRANTY	5-year limited warranty.
	CERTIFICATION & LISTING	UL Listed. Certified to CAN/CSA/ANSI Standards. IP68 Rated. Made in the USA with sustainable processes.



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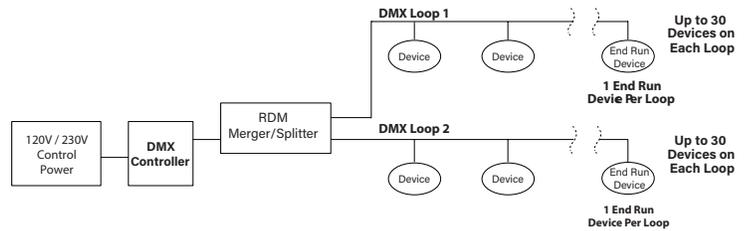
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0-10V WIRED CONTROL

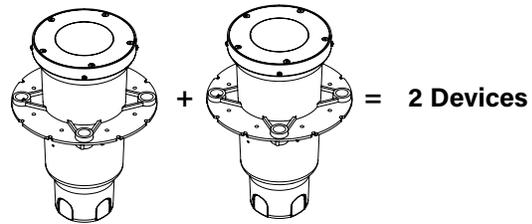


- 0-10V Control (By others)
- 0-10V Control (By others)
- Dimming 5-100%
- CCT Modulation 1650K-8000K

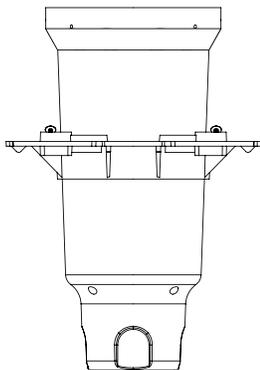
DMX Diagrams



Example:

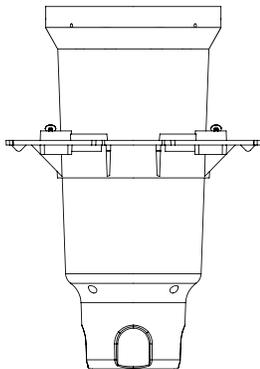


BLUETOOTH CONTROL



- iOS DEVICE (By others)
- Dimming
- CCT Modulation
- Saturation and Hue
- Off/On
- Copy/Paste

HYBRID CONTROL



- 0-10V Control (By others)
- 0-10V Control (By others)
- Dimming 5-100%
- CCT Modulation 1650K-8000K



- iOS DEVICE (By others)
- Saturation/Hue
- Copy/Paste

LAMP & DRIVER DATA

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LM79 DATA					L70 DATA	OPTICAL DATA				
BK No.	CCT (Typ.)	CRI (Ra@3000K)	CRI (R9@3000K)	Input Watts (Typ.)	Minimum Rated Life (hrs.) 70% of initial lumens (L ₇₀)	Beam Type	Angle	CBCP	Source Lumens	Delivered Lumens
C27	2700K	95+	90+	35W	50,000	SP	20°	3025	2000	1250
	2700K	95+	90+	35W	50,000	FL	40°	1639	2000	1169
	2700K	95+	90+	35W	50,000	WFL	60°	1060	2000	998
C27	3000K	95+	90+	35W	50,000	SP	20°	3255	2000	1345
	3000K	95+	90+	35W	50,000	FL	40°	1764	2000	1258
	3000K	95+	90+	35W	50,000	WFL	60°	1140	2000	1074
C27	4000K	95+	90+	35W	50,000	SP	20°	3288	2000	1359
	4000K	95+	90+	35W	50,000	FL	40°	1782	2000	1271
	4000K	95+	90+	35W	50,000	WFL	60°	1152	2000	1085

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