



DIMENSIONS



440
 HEIGHT: 31"/790mm
 LENGTH: 18"/460mm
 WIDTH: 18"/460mm
 WEIGHT: 40 lbs.
 EPA: 2.80



440D
 HEIGHT: 26"/660mm
 LENGTH: 18"/460mm
 WIDTH: 18"/460mm
 WEIGHT: 35 lbs.
 EPA: 2.59

SPECIFICATIONS

HOUSING - Luminaire shall be cast A356 alloy aluminum, free of any porosity or cosmetic filers. Castings shall be uniform wall thickness, minimum .188 inch with no warping or mold shifting.

The top cap shall hinge open by loosening two captive fasteners. The top shall seal the lamp compartment with a continuous silicone gasket. The lens shall be one-piece clear optical grade acrylic with a one-piece memory retentive silicone gasket on top and bottom. The LED and driver assembly shall be servicable by backing out three thumb screws to allow for the light engine to be lifted out. Quick disconnects shall be used for all electrical connections. All internal and external hardware shall be stainless steel.

OPTICAL MODULE - The optical assembly shall be completely sealed with a one-piece injection molded silicone gasket to prevent dust, insect or moisture contamination. The optical array shall consist of high brightness light emitting diodes mounted to a printed metal circuit board with precision injection molded optically clear lenses discretely coupled to each individual diode. The printed circuit board assembly shall have a uniform conformal coating with the exception of the optical output lens at each diode and be mechanically fastened to an anodized die-cast aluminum heat sink. Standard color temperatures shall be 3000K, 4000K and 5000K.

ELECTRICAL - All luminaires shall accept 120 thru 277 volt input and have integral surge protection. Drivers shall be U.L. recognized and have a 0-10V dimming interface with a dimming range of 10-100%. Approved dimmers include, Lutron Diva AVTV, Lutron Nova NFTV and NTFTV. (Note: not compatible with current source dimmers). Consult factory for current list of known compatible dimming systems. LifeShield™ shall be provided with all configurations for added protection in extreme temperature environments (-30°C to 60°C). The electrical assembly shall be mounted to a serviceable tray. The surge protector shall be U.L. recognized and have a surge current rating of 10,000 Amps using the industry standard 80/20uSec wave with a clamping voltage of 320V and surge rating of 372J. The surge protector case shall be a high-temperature, flame resistant plastic enclosure. The electrical assembly shall be installed and prewired in the fixture.

CONTROLS - SCP shall have an integral surge protection device with a current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J. Sensor not intended for use with additional photocontrol, wireless control or dimming systems.

MOUNTING - Post top mounting: The fixture shall slip over a 4"/100mm O.D. pole or tenon and be secured to the pole with three (or six) stainless steel set screws.
 Arm or wall mount: The fixture shall be attached to the cast arm with three stainless steel bolts with a silicone gasket.

FINISH - Fixture finish shall consist of a five stage pretreatment regimen with a polymer primer sealer, oven dry off and top coated with a thermoset super TGIC polyester powder coat finish. The finish shall meet the AAMA 2604-02 performances specification which includes passing a 3000 hour salt spray test for corrosion.

CERTIFICATION - Fixture shall be listed with ETL for outdoor, wet location use, conforming to the UL 15998 and Canadian 22.2 no. 250 standard. IP54.

Approved By: _____ Project Name: _____

Location: _____ Date: _____

440 LED DECORATIVE SERIES

ORDERING INFORMATION SELECT APPROPRIATE CHOICE FROM EACH COLUMN TO FORMULATE ORDER CODE. Refer to example below.

| SERIES | DISTRIBUTION | COLOR TEMP | DRIVER | COLOR | OPTIONS | CONTROL | MOUNTING |
|--|--|---|--|---|--|---|---|
| 440 - Arm or Post Top Mount 440D - Top Mounted Arm or Pendant Mount | Y2 - Type II Y3 - Type III Y4 - Type IV Y5 - Type V | 323 - 32LED - 3K (Warm White, 3000K output) 324 - 32LED - 4K (Neutral White, 4000K output) 325 - 32LED - 5K (Bright White, 5000K output) | 700 - 700mA drive current, 75 watts | AWT - Arctic White BLK - Black MTB - Matte Black DGN - Dark Green DBZ - Dark Bronze WRZ - Weathered Bronze BRM - Metallic Bronze VBL - Verde Blue CRT - Corten MAL - Matte Aluminum MDG - Medium Grey ATG - Antique Green LGY - Light Grey RAL - Premium Color (provide RAL) CC - Custom Color | CHM - Glass chimney with polished brass holder CND - 3-lamp candelabra with polished brass holder, lamps included. For decorative use only. LDL - Lightly diffused lens SBL - Sandblast diffused lens HSS-L - House side shield MAT - Mast arm adaptor PMS - Pendant kit with stem and swivel PMC - Pendant kit with brass chain PT5 - Post top adaptor NO - No options | PCA-C - Rotatable Photocell - Contemporary PCA-T - Rotatable Photocell - Traditional SCP - Sensor Control Programmable pole accessories available to provide occupancy detection for outdoor applications meeting California Title 24. NC - No Control | WM - Wall Mount PTM - Post Top Mount PSM - Pole Side Mount PTMA - Pole Top Mount Arm PM - Pier Mount |

440

Y5

324

700

BLK

NO

NC

PTM

(EXAMPLE ORDER)

ORDER:
WLS-440

PERFORMANCE DATA (32 LEADS, 700 MA DRIVE CURRENT, 75 WATTS)

| TYPE | LENS | 5K | | | | | 4K | | | | | 3K | | | | |
|------|-------|--------|------|----|---|---|--------|------|----|---|---|--------|------|----|---|---|
| | | LUMENS | LPW | B | U | G | LUMENS | LPW | B | U | G | LUMENS | LPW | B | U | G |
| Y2 | CLEAR | 5427 | 72 | 2 | 3 | 3 | 5156 | 69 | 2 | 2 | 3 | 4016 | 54 | 1 | 3 | 2 |
| Y3 | | 5237 | 70 | 2 | 3 | 2 | 4975 | 66 | 2 | 3 | 2 | 3875 | 52 | 1 | 3 | 2 |
| Y4 | | 5736 | 76 | 1 | 3 | 3 | 5449 | 73 | 1 | 3 | 3 | 4245 | 57 | 1 | 3 | 2 |
| Y5 | | 5183 | 69 | 3 | 3 | 3 | 4945 | 66 | 3 | 3 | 2 | 3809 | 51 | 2 | 3 | 2 |
| Y2 | | LDL | 5160 | 69 | 2 | 4 | 3 | 4902 | 65 | 2 | 4 | 3 | 3818 | 51 | 1 | 3 |
| Y3 | 4964 | | 66 | 1 | 4 | 3 | 4716 | 63 | 1 | 4 | 3 | 3674 | 49 | 1 | 3 | 3 |
| Y4 | 5449 | | 73 | 1 | 4 | 3 | 5176 | 69 | 1 | 4 | 3 | 4032 | 54 | 1 | 4 | 3 |
| Y5 | 4901 | | 65 | 2 | 4 | 3 | 4685 | 62 | 2 | 4 | 3 | 3610 | 48 | 2 | 3 | 3 |
| Y2 | SBL | | 4729 | 63 | 2 | 4 | 3 | 4492 | 60 | 1 | 4 | 3 | 3499 | 47 | 1 | 4 |
| Y3 | | 4554 | 61 | 1 | 4 | 3 | 4327 | 58 | 1 | 4 | 3 | 3370 | 45 | 1 | 4 | 2 |
| Y4 | | 5004 | 67 | 1 | 4 | 3 | 4754 | 63 | 1 | 4 | 3 | 3703 | 49 | 1 | 4 | 3 |
| Y5 | | 4499 | 60 | 2 | 4 | 3 | 4292 | 57 | 2 | 4 | 3 | 3310 | 44 | 1 | 4 | 2 |

PROJECTED LUMEN MAINTENANCE

| AMBIENT TEMP. | 0 | 25,000 | 50,000 | *TM-21-11 60,000 | 100,000 | PROJECTED L70 (HRS) |
|----------------|------|--------|--------|------------------|---------|---------------------|
| 25°C/ 77°F | 100% | 95% | 93% | 92% | 89% | >60,000 |
| 40°C/ 104°F | 100% | 94% | 91% | 90% | 85% | >60,000 |

Approved By: _____ Project Name: _____

Location: _____ Date: _____

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WLS LIGHTING SYSTEMS

Consider the Impact!