Features

- Full Cutoff PicoEmitter technology
- Available in 580nm, 3000K, 4000K and 5000K standard CCT
- Type 2, 3, 4 distributions
- 0-10V dimming drivers standard
- Sealed optical chamber

Specifications

- Weight: 43 lbs

Ordering Code

- Housing: WD18 U Small, Up
  WD18 D Small, Down

- Fixture: E35
  120L: 120 LEDs, 127W

- Electrical Module: Source
  Color Temperature
  2K: 580nm
  3K: 3000K
  4K: 4000K
  5K: 5000K

- Voltages: 120V, 208V, 240V, 277V, 347V, 480V

- Fixture Finish
  BL: Black
  DB: Dark Bronze
  GT: Graphite
  LG: Light Gray
  PS: Platinum Silver
  TT: Titanium
  WH: White
  CC: Custom Color, consult representative

- Lens Options: LS Polycarbonate Lens
- Neighbor Friendly Optic (NFO)
- Other Options: SDS18: Shield for horizontal cutoff when fixture tilted at 5°
  WG18: 11 ga. wire guard finished to match fixture

- Control Options: Wireless: WIR-RML-IO
  120-347V, 1000’ range, WiScape RF mesh control system with off/on/dim, photo, GPS location, alert, monitoring and metering capabilities.

- Mounting Options: SCM18U Surface Conduit mnt. for Up fixture w/ one 3/4” NPT conduit tap in sides and bottom

For Control Spec Select: http://trpssl.com/index.html

1 For custom optics and color temperature configurations, contact factory.
2 Turtle friendly. Maximum 500mA drive current for 2K amber option.
3 347V & 480V currents may be supplied with step-down transformer.
4 Not available for UP version. Use only when vandalism is anticipated to be high. Required only for vandal protection in locations where fixtures can be reached by unauthorized persons.
LED performance and lumen output continues to improve at a rapid pace. Log onto www.kimlighting.com to download the most current photometric files from Kim Lighting’s IES File Library. For custom optics and color temperature configurations, contact factory.

Kim Lighting reserves the right to change specifications without notice.
Housing:
- Optical housing is a one-piece, die-cast low copper (<0.6% Cu) aluminum alloy with integral cooling fins. Rotates against gear housing to provide 10° of adjustment with degree markers cast into the housing. At 0° adjustment, lens is totally concealed from view above horizontal with fixture aimed downward.
- Gear Housing is one-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling fins. Fastens to mounting plate with keyhole slots freeing both hands for securing and wiring. One stainless steel socket-head screw on each side of housing frees the optical housing to rotate for aiming. Tightening the screws locks the two housings together with sealing provided by a silicone gasket. For visual aiming, adjustment may be accomplished with the fixture on.

Lens Frame:
- One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral hinges and stainless steel pins. Toolless access to optical housing with sealing provided by a one-piece extruded and vulcanized silicone gasket. Lens is clear flat 3/16" thick tempered glass sealed to lens frame with a silicone gasket and retainer clips. For UP models, lens is mounted flush with frame for water run off, and is silicone sealed.

Electronic Module:
- All electrical components are UL and CSA recognized.
- Mounted on a single plate and factory prewired with quick-disconnect plugs.
- Module includes a driver, thermal control device and surge protector.
- Electrical module attaches to housing with no-tool hinges and latches, accessible by opening the lens frame only.
- Driver is rated for -40°F starting and has 0-10V dimming interface for multi-level illumination options.
- Class 1, 350mA
- Power Factor = >.90
- 10kV surge suppression.
- Thermal shield thermal control.
- All electronic components are IP66 rated.
- Standard programmable driver for variable drive current settings to 350mA.

Certifications and Listings:
- UL 1598 Standard for wet locations for Luminaires.
- CSA C22.2#250.0 Luminaires.
- IDA approved, 3000K and warmer CCTs only.

Dimming:
- 10% to 100% dimming by the use of standard 0-10V interface driver.
- To activate the dimming system, a wiring harness is supplied and attached to the DIM Port (DIM IN) on the thermal shield protection system. This port allows the 0-10V interface to bypass the thermal shield and control the driver.
- The thermal shield works in conjunction with the control system to assure that overheating will not harm the LEDs.
- The wiring harness is connected with the use of the Purple lead as the positive (+) and the Grey lead as the negative (-) to an available control signal (by others).

Optical Module:
- Precision, replaceable PicoEmitters are positioned to achieve directional control towards the desired task.
- The entire EmitterDeck® fastens to the housing as a one-piece module.
- Type II, III, and IV standard distributions.
- 3000K, 4000K, 5000K standard CCT. Amber and custom available.

Mounting Plate:
- The standard mounting plate is attached to wall (by others) outside the junction box perimeter.
- All mounting plates are die-cast aluminum with reinforced ribs. Two studs are provided in each plate with flange nuts to allow fixture mounting by keyhole slots. Sealant must be applied (by others) between mounting plate and mounting surface to insure a dry junction box.

Finish:
- Fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat.
**Button Photocell**

*Voltage, *Color

**Wireless Control**

Hubbell Building Automation’s wiSCAPE™ In-Fixture Module is a bi-directional wireless RF device that allows an individual fixture to be managed, monitored and metered. The wiSCAPE In-Fixture Module communicates wirelessly over a robust 2.4GHz ISM (Industrial, Scientific and Medical) certified meshed radio signal. The wiSCAPE Fixture Module drastically simplifies control and automation of projects, especially in retrofit environments, and challenges the legacy world of wired-systems. wiSCAPE wireless control technology easily adapts to complex automation situations for quick, simple and economical commissioning. The On-Fixture Module is compatible with A-25-7H option.

**WIR-RML-IO**

120 - 347V 1000 Foot Range WiScape RF mesh control system with off/on/dim, motion, photo, GPS location, alert, monitoring and metering capabilities.
**OPTIONS**

**Fusing:**
- **SF** for 120, 277 and 347 Line Volts
- **DF** for 208, 240 and 480 Line Volts

High temperature fuse holders factory installed inside the fixture housing. Fuse is included.

**Polycarbonate Lens**

- **LS**
  Clear flat polycarbonate lens replaces standard tempered glass lens. 360° pattern. Module colors available Black, Gray, and White.

  **NOTE:** Use only when vandalism is anticipated to be high. Useful life is limited by UV discoloration from sunlight. A program of regular inspection and periodic replacement is highly recommended to maintain optimum fixture performance.

**Neighbor Friendly Optic**

- **NFO**
  Integrated Neighbor Friendly Optic on each PicoEmitter module to completely control unwanted backlight. Most effective with Type III and IV distributions.

**5° Shield**

- **5DS18**
  Aluminum shield field-attached to lens frame. Maintains a horizontal cutoff fixture edge when the luminaire is tilted 5°. Finished to match the fixture.

**Wire Guard**

- **WG18**
  11 ga. (.12" dia.) BB Wire, (.75" sq. welded mesh pattern,) 11-3/8" x 10-1/4" x 1-1/2" deep. Finish is TGIC thermoset polyester powder coat. Finished to match the fixture.

**Surface Conduit Mount**

- **SCM18** for UP and DOWN fixtures.
  Cast aluminum junction box and fixture mount for attachment (by others) to existing walls, beams or columns. SCM18 has one 3/4" NPT conduit tap in each side and bottom. Must be securely mounted to wall surface. Finished to match the fixture.

  **NOTE:** Must be securely mounted to all surfaces.