

# PDL3 MODUS

LED lighting system



We Brighten  
Your Brands.



**SloanLED®**  
Leaders in LED Technology

# Brilliance by design.

PDL3 MODUS is a universal 1-for-1 upgrade of existing 400 W HID downlights, featuring application-based high (200 W), medium (150 W), and low (75 W) driver solutions that make it the ideal luminaire replacement for petroleum canopies, parking structures/surface mount, and walk-in coolers.



## Features

## Benefits

|  |   |
|--|---|
| Slim, lightweight, 1" (25 mm) surface mounting fixture is virtually maintenance free         | Saves cost of service maintenance contracts and lowers total cost of ownership dramatically                                     |
| Modular power supplies are application specific to include all parts needed for installation | Designed for fast, one person installation, without need for site surveys   |
| IP68 fixture is sealed to keep out bugs, dust, and water                                     | Fixtures can be pressure washed and easily maintained   |
| Power Module allows each driver solution three lumen settings without hardware replacement   | Installers and end users can adjust the lumen settings on-site for the best lighting layout                                     |
| Tempered glass diffuser with textured finish   | Textured lens conceals LEDs when not in use for a smooth, clean appearance  |
| Aluminum die cast heat extraction system allows use in temperatures up to 60° C              | Fixture runs cooler at higher outputs, extending life of LEDs   |
| Efficacy up to 160 lm/W  | Uses less energy for faster ROI   |
| Type 5 light distribution  | Artifact-free light patterns for perfect illumination in all applications   |
| Industry leading 10-year limited warranty  | Have confidence that your fixtures are covered by the SloanLED warranty —we are committed to our products and your satisfaction |

For more information on our Outdoor Area collection of products, visit [SloanLED.com](https://www.sloanled.com).

# Revolutionary design for powerful solutions.

PDL3 MODUS sets new standards with its slim, lightweight, 1" (25 mm) design, and optimized radiation pattern; and unlike other surface mounting fixtures, L<sub>70</sub> life rating is based on the highest brightness setting, and at the maximum ambient temperature, ensuring superior performance and reliability. This IP68-rated, surface mounting fixture is virtually maintenance free and sealed to keep out bugs, dust, and water.

- Designed for fast, one person installation, without the need for site surveys
- Power Module allows each driver solution to have three lumen settings without hardware replacement
- Faster ROI, industry leading warranty, and virtually no maintenance
- **Energy savings up to 250% over typical HID fixtures**



Standard



High Output

## 1. Select a fixture

|                        |        |                  |
|------------------------|--------|------------------|
| PDL3 MODUS             | 5000 K | 701948-5WTWT3-M  |
|                        | 4000 K | 701948-4WTWT3-M  |
| PDL3 MODUS High Output | White  | 701948-5WTWT3-MH |
|                        | Bronze | 701948-5WTBZ3-MH |

## 2. Select a power supply solution

### Power Supply Solution

| Description  | For use with        | Code     | Wattage | Part number |
|--|---------------------|----------|---------|-------------|
| <b>MOD1</b><br>Global Petroleum Canopy                         | PDL3 MODUS Standard | MOD 1.1  | 75 W    | 601071      |
|  |                     | MOD 1.2  | 150 W   | 601072      |
|  | PDL3 MODUS HO       | MOD 1.3  | 200 W   | 601073      |
| <b>MOD2</b><br>North American Petroleum Canopy                 | PDL3 MODUS Standard | MOD 2.1† | 75 W    | 601074      |
|  |                     | MOD 2.2  | 150 W   | 601075      |
|  | PDL3 MODUS HO       | MOD 2.3  | 200 W   | 601076      |
| <b>MOD3</b><br>North American Walk-In Cooler                   | PDL3 MODUS Standard | MOD 3.1‡ | 75 W    | 601077      |
|  |                     | MOD 3.2  | 150 W   | 601078      |
|  | PDL3 MODUS HO       | MOD 3.3  | 200 W   | 601079      |
| <b>MOD4</b><br>North American Parking Garage/<br>Surface Mount | PDL3 MODUS Standard | MOD 4.1† | 75 W    | 601080      |
|  |                     | MOD 4.2  | 150 W   | 601081      |
|  | PDL3 MODUS HO       | MOD 4.3  | 200 W   | 601082      |
| <b>MOD4</b><br>Global Parking Garage/Surface Mount             | PDL3 MODUS Standard | MOD 4.4  | 75 W    | 601088      |
|  |                     | MOD 4.5  | 150 W   | 601089      |
|  | PDL3 MODUS HO       | MOD 4.6  | 200 W   | 601090      |
| <b>MOD5</b><br>North American Shoebox Retrofit                 | PDL3 MODUS Standard | MOD 5.1† | 75 W    | 601083      |
|  |                     | MOD 5.2  | 150 W   | 601084      |
|  | PDL3 MODUS HO       | MOD 5.3  | 200 W   | 601085      |

## 3. Select accessories

### Accessories

| Item description                 | Part number  |
|----------------------------------|--------------|
| Mounting Plate, 700 mm           | 401568-700   |
| Mounting Plate, Bronze, 700 mm   | 401568-700MH |
| Shoebox Mounting Plate           | 401397       |
| Shoebox Mounting Plate (Bronze)  | 401397-BZ    |
| Blank Plate (De-lamping)         | 401219       |
| Blank Plate, Bronze (De-lamping) | 401219-BZ    |
| Install Template†                | 401398       |
| 1-10 V Connector Cable           | 410168       |
| EU Waterproof Junction Box       | 701952-EU    |

### Dimming Accessories\*

| Item description                          | Part number |
|---|-------------|
| Dimming Controller for 75 W Power Supply  | 601092      |
| Dimming Controller for 150 W Power Supply | 601093      |
| Dimming Controller for 200 W Power Supply | 601094      |
| Occupancy Sensor                          | 701953      |

\* Power supply solution not included.

† Dimming controller replaces the Power Module. Dimming controller box fits inside housings of MOD 2, MOD 3, and MOD 4. To install dimming controller on MOD 1, a plastic enclosure must be used (P/N 701952-EU).

‡ North American models at 36 W running at 277 VAC (MOD 2.1, MOD 3.1, MOD 4.1, and MOD 5.1) are not DLC listed.



# Innovation that sets us apart.

The slim, lightweight design, die cast heat sink, thermally conductive heat plate, and remote power supply solutions that make up the PDL3 MODUS lighting system, set it apart from all other products in its class.

1

## LEDs

*Top tier LEDs are driven well below recommended safety limits, on both drive current and junction temperature, to keep components cool – maintaining the life of the LED – allowing for a compact and efficient heat sink design.*



2

## Ingress Protection

*IP68 fixture is sealed to keep out bugs, dust, and water.*

3

## Heat Sink

*High performance, die cast heat sink transfers heat from the light engine to the environment, via large cooling fins, drawing heat away from the fixture, and extending the lifespan of the LEDs.*



4

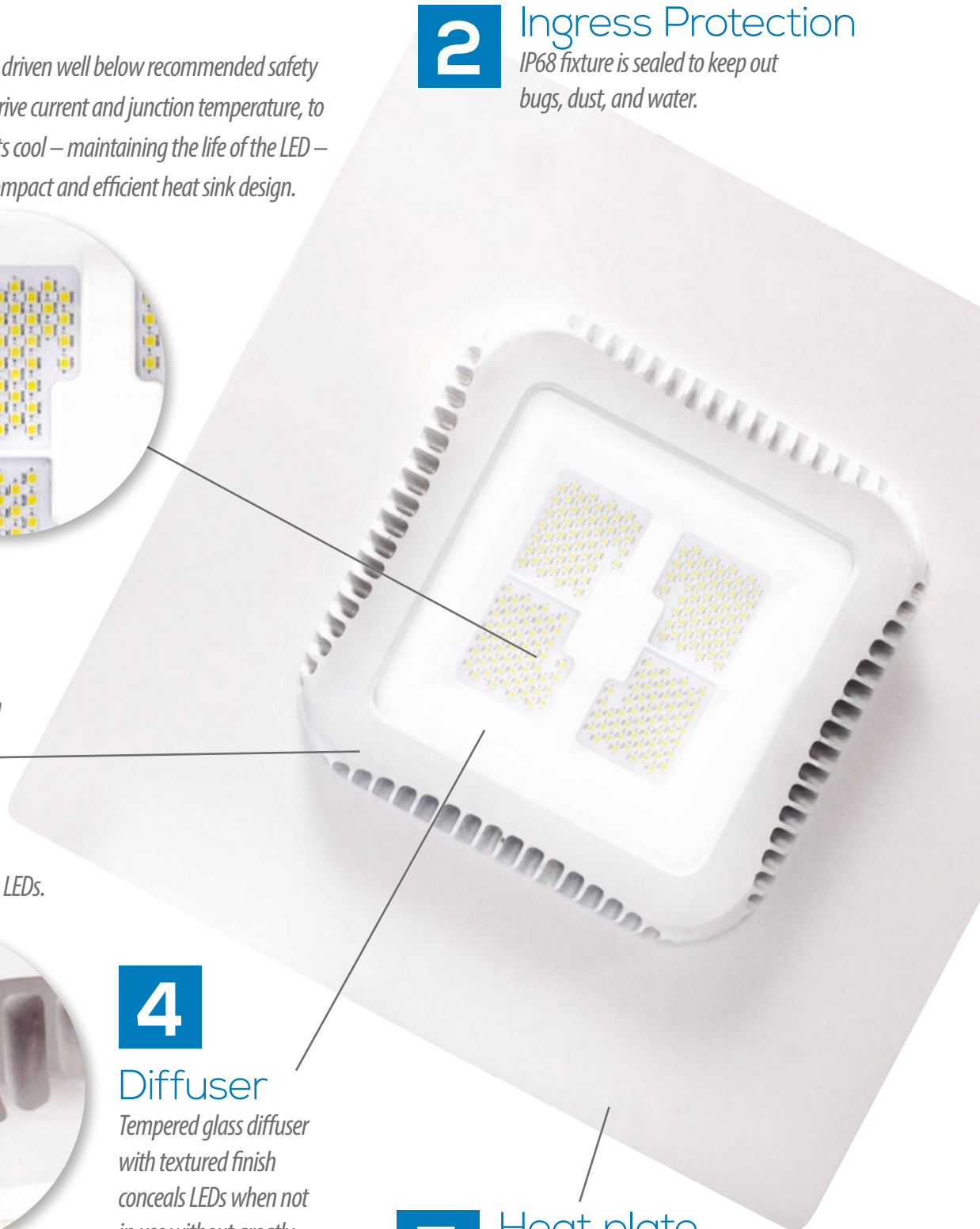
## Diffuser

*Tempered glass diffuser with textured finish conceals LEDs when not in use without greatly decreasing light output.*

5

## Heat plate

*Thermally conductive heat plate transfers heat to the mounting surface and heat sink.*



While other canopy lighting products build drivers into the fixtures, putting stress on both the LEDs and the drivers – shortening product lifespan, and requiring excessively large heat sinks – PDL3 MODUS, with remote driver solutions, is brilliantly designed for easy installation, outstanding performance, and high reliability. This all in one state-of-the-art package delivers faster ROI with virtually no maintenance, and the longest lifespan, making it the ideal luminaire replacement for petroleum canopies, parking structures/surface mount, and walk-in coolers.

Heat Plate  
**transfers heat**  
to the mounting  
surface

Heat Sink  
**pulls heat**  
from light engine

Cooling Fins create  
**convective**  
**airflow**

Slim fixture design and  
remote power supply make  
PDL3 MODUS the ideal  
solution, even in the  
harshest climates





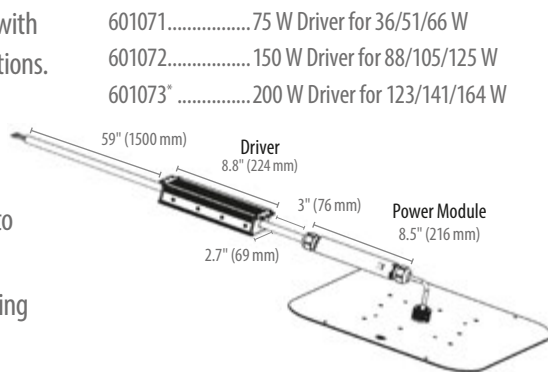
# Powerful solutions for multiple applications.

PDL3 MODUS LED lighting system is a perfect example of the innovative, class-leading design you've come to expect from SloanLED. New application based, remote power supply solutions, specifically designed to disperse heat away from the luminaire, make it easy to specify and install for petroleum canopies, walk-in coolers/cold storage, and parking structure/surface-mount low bay applications.

## MOD1 Global Petroleum Canopy

Included in kit: Driver and Power Module with VDE compliant cable – for EU/AUS applications.

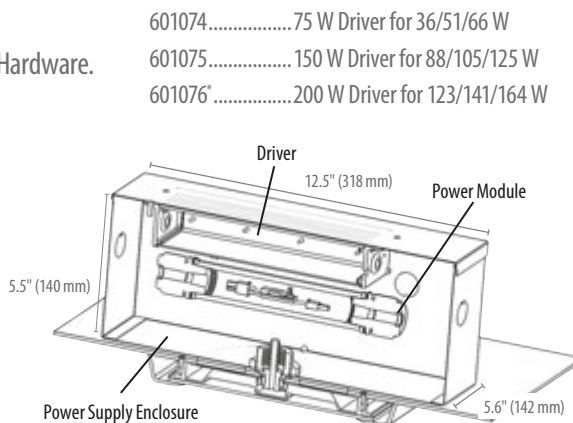
- Fixture connects to IP68-rated driver and Power Module
- Installer adds own junction box or plug to hook up primary power
- Power Module comes set at highest setting



## MOD2 North American Petroleum Canopy

Included in kit: Driver, Power Module, Power Supply Enclosure, Gasket, and Hardware.

- Fixture connects to IP68-rated driver and Power Module
- Power supply enclosure allows water to pass through and out
- Driver comes mounted to enclosure lid
- Gasket seals against canopy – Eliminates need to seal installation with tar/roofing material
- Power Module comes set at highest setting



For more information on our Outdoor Area collection of products, visit [SloanLED.com](http://SloanLED.com).

\* 200 W Power supply is used with PDL3 MODUS High Output fixture only.

# Balance of power.

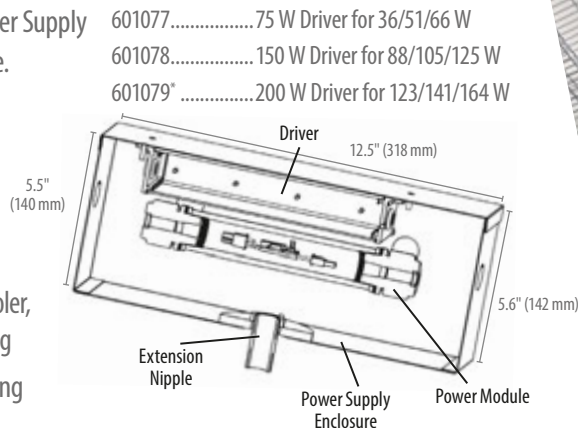
Each power supply solution includes a Power Module, which allows each fixture to have three lumen settings without hardware replacement, giving installers and end users the power to make adjustments on-site for the best lighting layout.



## MOD3 North American Walk-in Cooler

Included in kit: Driver, Power Module, Power Supply Enclosure, Extension Nipple, and Hardware.

- Fixture connects to IP68-rated driver and Power Module
- Driver comes mounted to enclosure lid
- Extension Nipple protects cable as it passes through 4" (102 mm) foam insulation of cooler, and threads into fixture in waterproof fitting
- Power Module comes set at highest setting

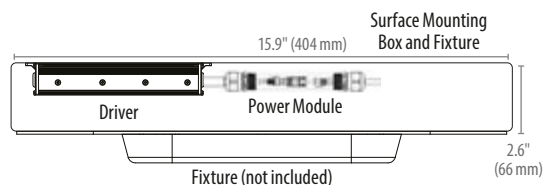


## MOD4 Parking Garage/Surface Mount

Included in kit: Driver, Power Module, and SloanLED Surface Mounting Box.

- Fixture connects to SloanLED surface mounting box, and IP68-rated driver and Power Module
- Mounts to: Solid flat surface, reinforced J-box
- Driver comes mounted to surface mounting box
- Power Module comes set at highest setting

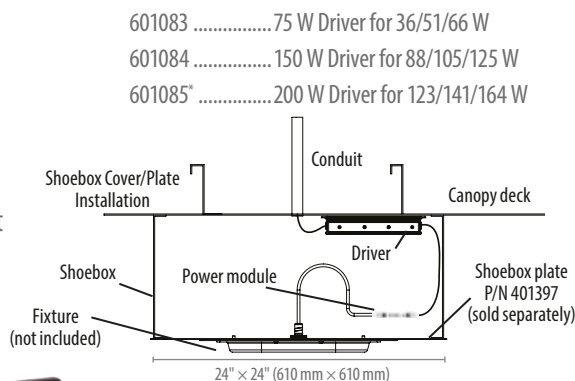
|         |   |
|---------|---|
| 601080  | .....NA, 75 W Driver for 36/51/66 W         |
| 601081  | .....NA, 150 W Driver for 88/105/125 W      |
| 601082* | .....NA, 200 W Driver for 123/141/164 W     |
| 601088  | .....Global, 75 W Driver for 36/51/66 W     |
| 601089  | .....Global, 150 W Driver for 88/105/125 W  |
| 601090* | .....Global, 200 W Driver for 123/141/164 W |



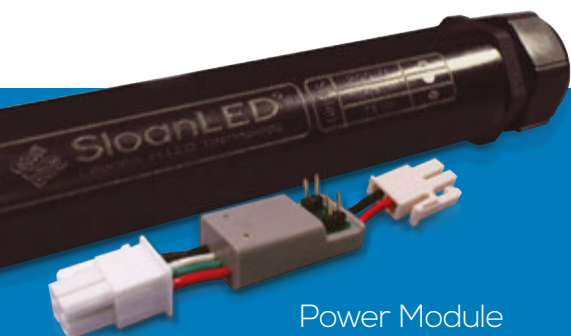
## MOD5 North American Shoebox Retrofit

Included in kit: Driver, Power Module, and UL compliant cable.

- Fixture connects to IP68-rated driver and Power Module
- Installs into existing shoebox or retrofit
- Power Module comes set at highest setting



\* 200 W Power supply is used with PDL3 MODUS High Output fixture only.



- Waterproof gland nuts seal and strain relief cord sets
- Jumper comes from factory set to highest setting

- Weatherproof, black, UV-stabilized, polycarbonate tube with gland nuts creates IP68-rated module
- Extra jumper included

# PDL3 MODUS

## Specifications

|                              |  |  |
|------------------------------|--|--|
| <b>Electrical</b>            | <b>75 W Mod</b>  | <b>150 W Mod</b>   |
| <b>System power settings</b> | 36 W <sup>§</sup> , 51 W, 66 W   | 88 W, 105 W, 125 W   |
| <b>System efficacy</b>       | 159.6 lm/W (36 W)<br>156.6 lm/W (51 W)<br>153.6 lm/W (66 W)                      | 149.6 lm/W (88 W)<br>146.5 lm/W (105 W)<br>142.8 lm/W (125 W)                |
| <b>Input voltage</b>         | 100-277 VAC, 50-60 Hz <sup>§</sup>   |  |
| <b>Lighting</b>              | <b>75 W Mod</b>  | <b>150 W Mod</b>   |
| <b>Light output (lm/W)</b>   | 5,746 Lumens (36 W)<br>7,987 Lumens (51 W)<br>10,138 Lumens (66 W)               | 13,165 Lumens (88 W)<br>15,383 Lumens (105 W)<br>17,850 Lumens (125 W)       |
| <b>Light distribution</b>    | Symmetric (Type 5)   |  |
| <b>Color (CCT)</b>           | 4000 K, 5000 K   |  |
| <b>Color rendering</b>       | 70 CRI   |  |
| <b>Performance</b>           | <b>75 W Mod</b>  | <b>150 W Mod</b>   |
| <b>Operating temperature</b> | -40° C to 60° C (36 W)<br>-40° C to 55° C (51 W)<br>-40° C to 50° C (66 W)       | -40° C to 60° C (88 W)<br>-40° C to 55° C (105 W)<br>-40° C to 50° C (125 W) |
| <b>Ingress protection</b>    | IP68 (highest dust and water protection)   |  |
| <b>UL location rating</b>    | Suitable for wet locations   |  |
| <b>Explosion proof</b>       | ATEX zone 2 rated<br>DEMKO 18 ATEX 2033x II 3 G ec IIC T4 Gc                     |  |
| <b>Life rating</b>           | 100,000 hours (L <sub>70</sub> ) <sup>†</sup><br>at maximum operating conditions |  |
| <b>Dimming</b>               | 1-10 VDC control on power supply <sup>‡</sup>                                    |  |

## Construction

|                         |   |
|-------------------------|---|
| <b>Frame</b>            | Die cast aluminum                           |
| <b>Heat plate</b>       | Aluminum                                    |
| <b>Finish</b>           | White, powder coated for extreme conditions |
| <b>Lens</b>             | Tempered glass                              |
| <b>Dimensions W × H</b> | 16" (406 mm) square × 1" (25 mm)            |

## Mounting

|                     |   |
|---------------------|---|
| <b>Light</b>        | 4 self-drilling sheet metal screws  |
| <b>Power supply</b> | Based on your application, choose the correct MOD version for your power supply needs |

## Documentation

|                        |   |
|------------------------|---|
| <b>Warranty</b>        | 10-year limited   |
| <b>Agency listings</b> | cULus, DesignLights Consortium® Premium (DLC), CE, ENEC, ATEX, RoHS, Title 24 Compliant |
| <b>Files available</b> | LM-79, LM-80, IES   |



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# PDL3 MODUS High Output

## Specifications

|                              |   |
|------------------------------|---|
| <b>Electrical</b>            | <b>200 W Mod</b>  |
| <b>System power settings</b> | 123 W, 141 W, 164 W   |
| <b>System efficacy</b>       | 165 lm/W (123 W)<br>162 lm/W (141 W)<br>159 lm/W (164 W)                        |
| <b>Input voltage</b>         | 100-277 VAC, 50-60 Hz   |
| <b>Lighting</b>              | <b>200 W Mod</b>  |
| <b>Light output (lm/W)</b>   | 21,062 Lumens (123 W)<br>23,828 Lumens (141 W)<br>27,006 Lumens (164 W)         |
| <b>Light distribution</b>    | Symmetric (Type 5)  |
| <b>Color (CCT)</b>           | 5000 K  |
| <b>Color rendering</b>       | 70 CRI  |
| <b>Performance</b>           | <b>200 W Mod</b>  |
| <b>Operating temperature</b> | -40° C to 60° C (123 W)<br>-40° C to 50° C (141 W)<br>-40° C to 40° C (164 W)   |
| <b>Ingress protection</b>    | IP68 (highest dust and water protection)  |
| <b>UL location rating</b>    | Suitable for wet locations  |
| <b>Life rating</b>           | 60,000 hours (L <sub>70</sub> ) <sup>†</sup><br>at maximum operating conditions |
| <b>Dimming</b>               | 1-10 VDC control on power supply <sup>‡</sup>                                   |

## Construction

|                         |   |
|-------------------------|---|
| <b>Frame</b>            | Die cast aluminum                                     |
| <b>Heat plate</b>       | Aluminum  |
| <b>Finish</b>           | White or Bronze, powder coated for extreme conditions |
| <b>Lens</b>             | Tempered glass  |
| <b>Dimensions W × H</b> | 16" (406 mm) square × 1" (25 mm)                      |

## Mounting

|                     |   |
|---------------------|---|
| <b>Light</b>        | 4 self-drilling sheet metal screws  |
| <b>Power supply</b> | Based on your application, choose the correct MOD version for your power supply needs |

## Documentation

|                        |   |
|------------------------|---|
| <b>Warranty</b>        | 10-year limited   |
| <b>Agency listings</b> | cULus, DesignLights Consortium® Premium (DLC), CE, ENEC, RoHS, Title 24 Compliant |
| <b>Files available</b> | LM-79, LM-80, IES   |

\* Lighting data pending third party verification.

† Based on LED component manufacturer data.

‡ Requires 1-10 V connector cable (P/N 410168).

§ North American models at 36 W running at 277 VAC

(MOD2.1, MOD 3.1, MOD 4.1, and MOD 5.1) are not DLC listed.

