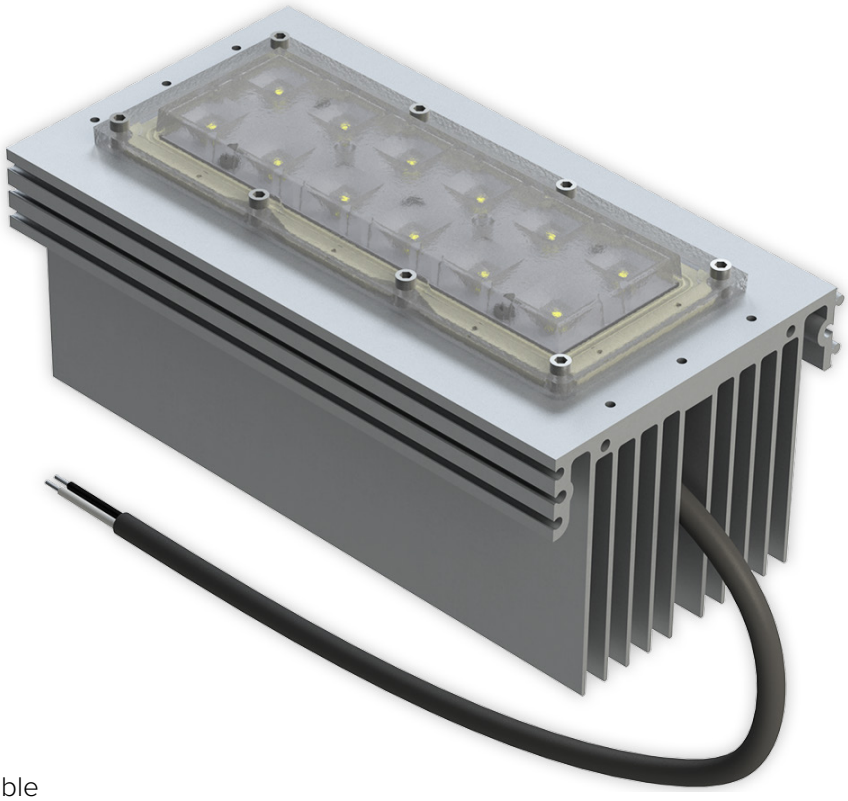
opulent americas

# MOD BLOCK - 2X6 Performance

## IP67-Rated Module built with Cree XHP35 LEDs

### Primary Applications

| | |
|---|---|
| High Mast | Canopy |
| Streetlight | Garage |
| Stadium | Portable |
| Architectural | High bay |

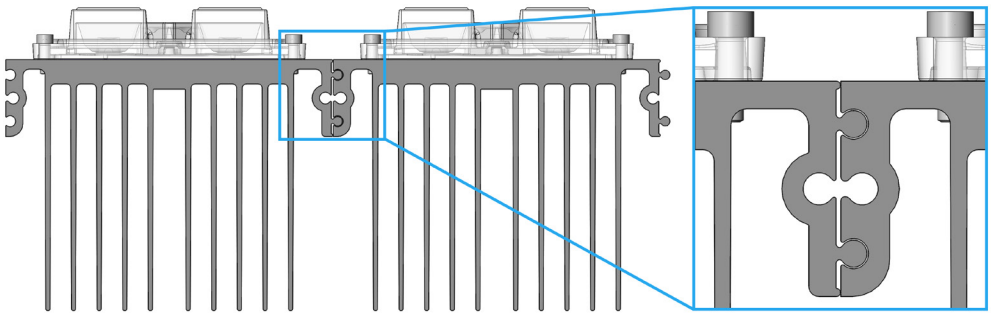


### Features and Benefits

- IP67 Protection – Self-contained module for outdoor applications or other difficult environments
- Optical Flexibility – a variety of off-the-shelf optical patterns are available
- Integrate Further – Easy to add multiple modules through our interlocking technology
- Easy Mounting – designed for quick mounting to a housing or bracket
- Performance – industry leading lumen density and lumens per pound
- Certifications – RoHS compliant
- Custom - private label or design changes available

Introducing the Opulent Americas IP67 rated LED heat sink module using Cree XHP35 Extreme High Power LEDs. This Opulent Americas module is engineered to bring high quality lighting systems to market faster with fewer LEDs, higher reliability, and a lower system cost. This module is a robust, flexible, and versatile building block for any number of lighting systems such as high bay, low bay, parking, and stadium lighting.

### Interlocking Technology to Add More Modules



RoHS CE

Last Modified: 11/16/17

# MOD BLOCK - 2X6 Performance Specifications

## Order Code Formatting

| Series | - | Color Temperature | Color Rendering Index | - | Optic[1] | - | Cable Type | - | Internal Code |
|---|---|---|---|---|---|---|---|---|---|
| MP26T1 -C19 - XHP35 Mod Block | | 27 - 2700K | 70 - 70 CRI | | S | | 1 - Cable Pigtail | | XX |
| | | 30 - 3000K | 80 - 80 CRI | | M | | 2 - Waterproof M15 Cable | | |
| | | 40 - 4000K | 90 - 90 CRI | | W | | | | |
| | | 50 - 5000K | | | WWW | | | | |
| | | 57 - 5700K | | | T2 | | | | |
| | | | | | T3 | | | | |
| | | | | | T4 | | | | |
| | | | | | T5 | | | | |
| | | | | | DWC | | | | |

[1]More optical patterns available upon request

*See Page 5 for Photometric Distributions

# MOD BLOCK - 2X6 Performance Specifications

## Ordering Information

| Part Number | CCT | CRI | Binning | Forward Voltage (V) | Current (mA) | Typical Luminous Flux (lm) | Efficacy Nominal (lm/W) | Watts (W) |
|---|---|---|---|---|---|---|---|---|
| MP26T1-C19-5770-x | 5700K | 70 | 5-Step | 46.1 | 1050 | 7512 | 155 | 48.4 |
| | 5700K | 70 | 5-Step | 46.7 | 1500 | 9856 | 140 | 70.0 |
| | 5700K | 70 | 5-Step | 47.2 | 2100 | 12286 | 124 | 99.2 |
| MP26T1-C19-5070-x | 5000K | 70 | 5-Step | 46.1 | 1050 | 7512 | 155 | 48.4 |
| | 5000K | 70 | 5-Step | 46.7 | 1500 | 9856 | 140 | 70.0 |
| | 5000K | 70 | 5-Step | 47.2 | 2100 | 12286 | 124 | 99.2 |
| MP26T1-C19-4070-x | 4000K | 70 | 5-Step | 46.1 | 1050 | 6980 | 144 | 48.4 |
| | 4000K | 70 | 5-Step | 46.7 | 1500 | 9158 | 130 | 70.0 |
| | 4000K | 70 | 5-Step | 47.2 | 2100 | 11416 | 115 | 99.2 |

Product performance based on 25°C ambient temperature.
All values shown above are typical.

## Ratings

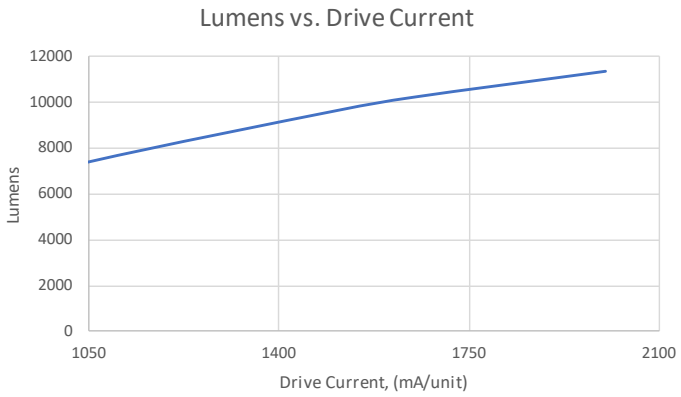
| Parameter | Unit | Rating |
|---|---|---|
| Operating Temperature | °C | -40 to +40 |
| Weight | G | 1332 |

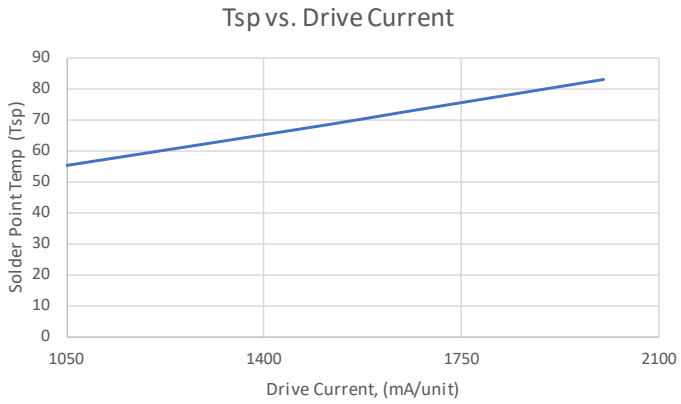
## Performance Groups – Chromaticity

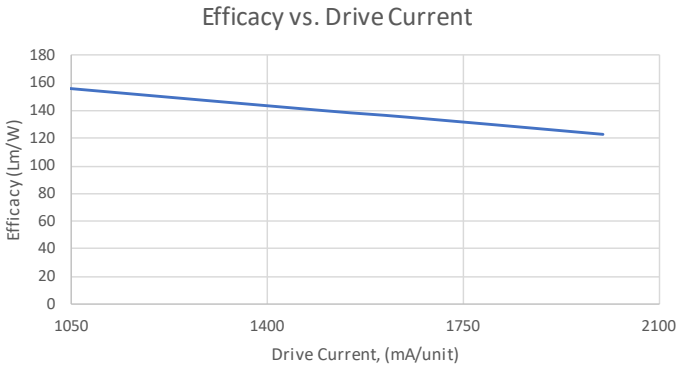
| 5-Step Binning | | | | | |
|---|---|---|---|---|---|
| CCT | Center Point | | Major Axis | Minor Axis | Rotation Angle (°) |
| | X | Y | a | b | |
| 5700K | 0.3287 | 0.3417 | 0.01230 | 0.00600 | 72.0 |
| 5000K | 0.3447 | 0.3553 | 0.01400 | 0.00520 | 65.0 |
| 4000K | 0.3818 | 0.3797 | 0.001420 | 0.00550 | 61.5 |

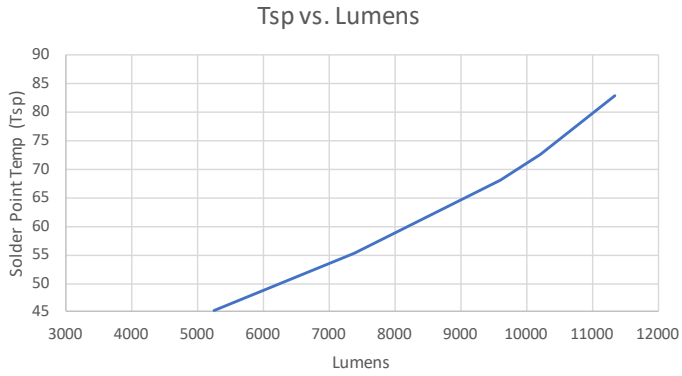
# MOD BLOCK - 2X6 Performance Specifications

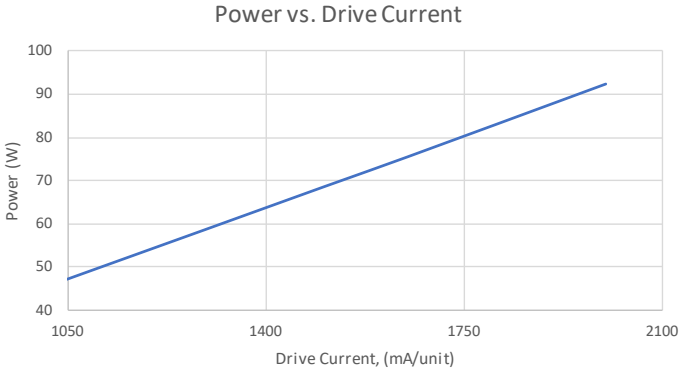
## Performance Characteristics



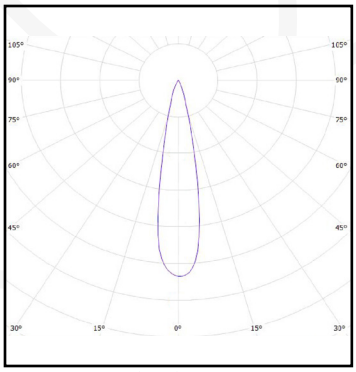



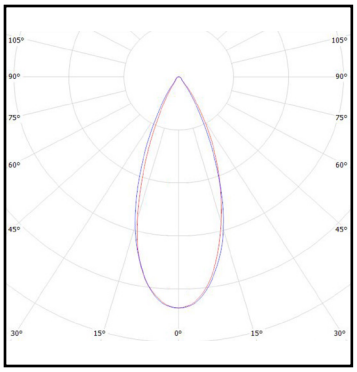

*Product performance based on 25°C ambient temperature

# MOD BLOCK - 2X6 Performance Specifications

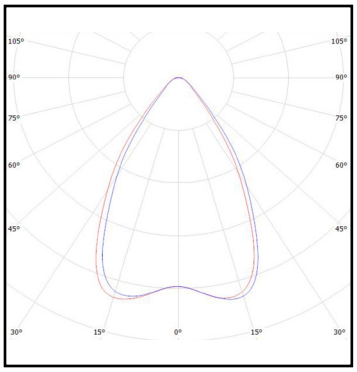
## Photometric Distributions



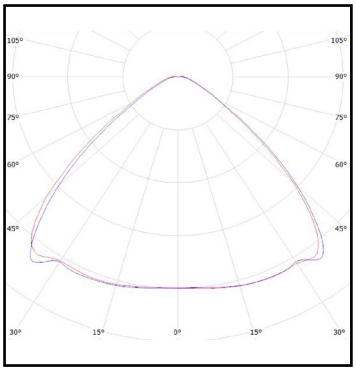
S - Spot
High Bay Series



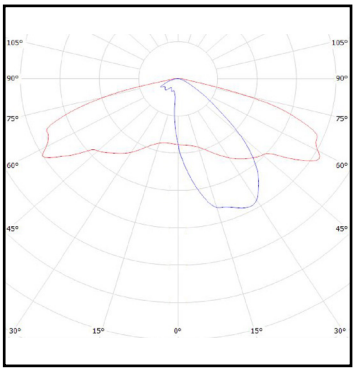
M - Medium
High Bay Series



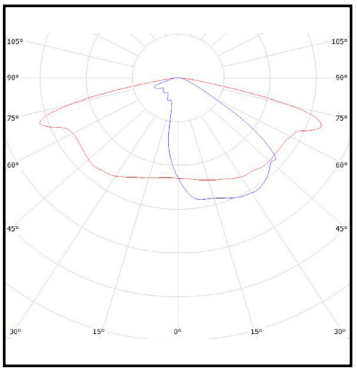
W - Wide
High Bay Series



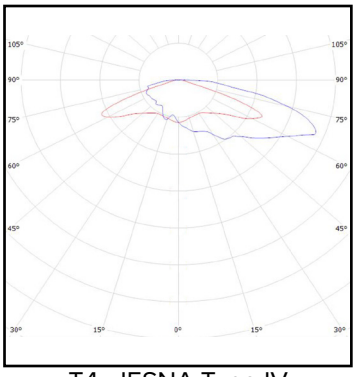
WWW - Very Wide
High Bay Series



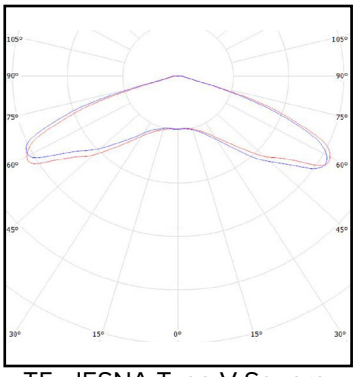
T2 - IESNA Type II
Roadway Series



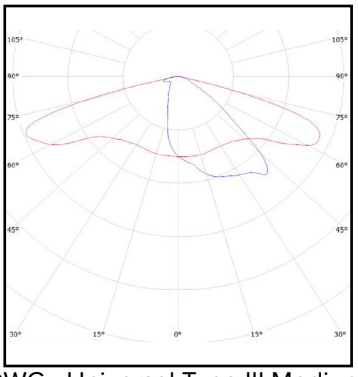
T3 - IESNA Type III
Roadway Series



T4 - IESNA Type IV
Roadway Series



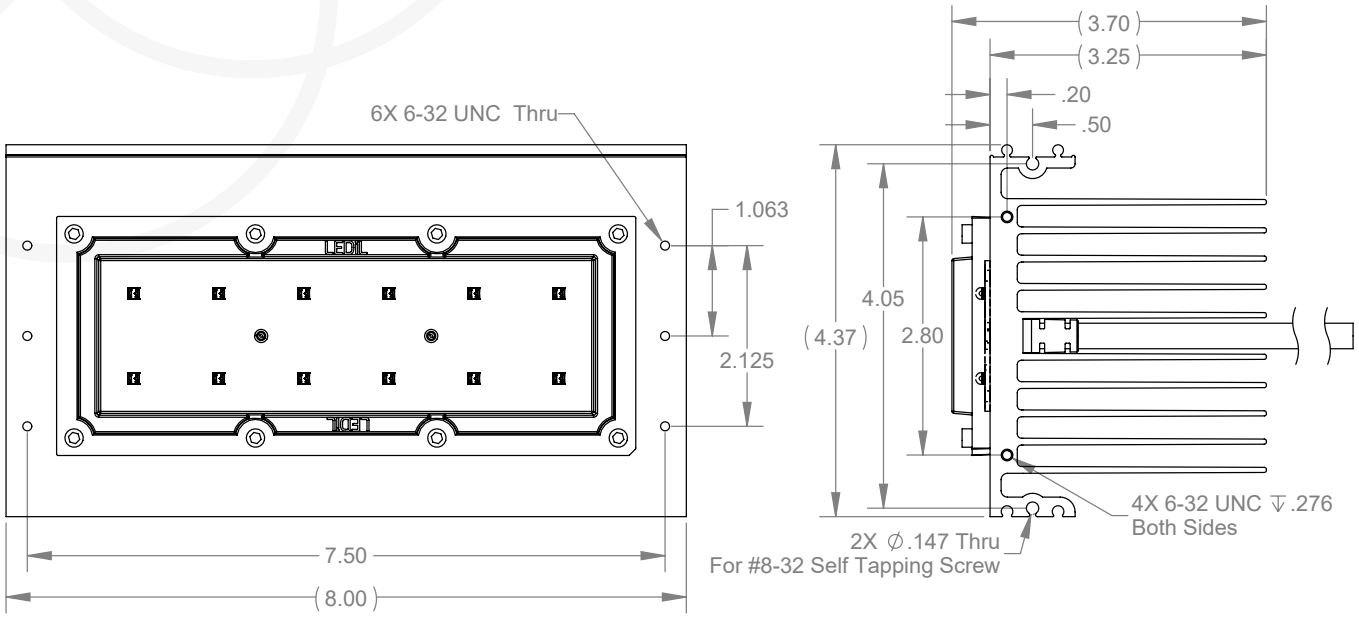
T5 - IESNA Type V Square
Roadway Series



DWC - Universal Type III Medium
Roadway Series

# MOD BLOCK - 2X6 Performance Specifications

## Mechanical Dimensions




**Cable Specs:**

Cable Length: 20”
Cable OD: .288”
Wire Gauge: 18AWG
Wire Colors: White (+), Black (-)
Wire Voltage Rating: 300V
Wire Temperature Rating: 105°C

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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