

RATIO Wall

RWL1/RWL2 LED WALLPACK

| | |
|------------|-----------|
| DATE: | LOCATION: |
| TYPE: | PROJECT: |
| CATALOG #: | |

MICRO STRIKE | STRIKE OPTICS

FEATURES

- Low profile LED wall luminaire with a variety of IES distributions for lighting applications such as retail, commercial and industrial building mount
- Featuring Strike and Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™, LightGRID+ and 7-Pin with networked controls
- Battery Backup options available for emergency code compliance
- Quick-mount adapter allows easy installation/maintenance
- 347V and 480V versions for industrial applications and Canada



CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish
- Powder paint finish provides durability in outdoor environments. Tested to meet 1000 hour salt spray rating

OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 48 or 160 midpower LEDs
- 3000K, 4000K or 5000K (70 CRI/80 CRI) CCT
- Zero uplight distributions
- LED optics provide IES type II, III and IV distributions. Type II only available in RWL2 configurations

INSTALLATION

- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.
- Integral back box contains 1/2" conduit hubs
- Integral back box standard with Dual Driver, Dual Power Feed, NX, LightGRID+ and battery versions (battery versions for RWL1 only)

ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V and 480V dimmable driver option for all wattages above 35W
- Ambient operating temperature -40°C to 40°C
- Driver RoHS and IP66

SERVICE PROGRAM

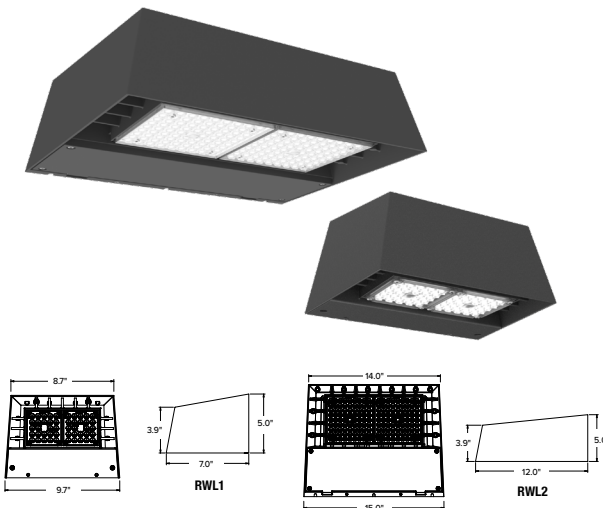


ELECTRICAL (CONTINUED)

- 10kV Surge Protector optional
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options can not be included in one same fixture.
- Dimming drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than 6" standard.

CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- Button photocontrol is suitable for 120-277V operation
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor
- Integral Battery Backup provides emergency lighting for the required 90 minute path of egress
- Battery Backup suitable for operating temperatures -25°C to 40°C. RWL1 battery is 12.5W RWL2 battery is 18W



| | Weight |
|------|--------------------|
| RWL1 | 6.5 lbs / 2.95 kg |
| RWL2 | 16.5 lbs / 7.48 kg |

CONTROLS (CONTINUED)

- Dual Driver and Dual Power Feed options creates product configuration with 2 internal drivers for code compliance
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor. Also available in 7-pin configuration

CERTIFICATIONS

- Certified to UL 1598 and CSA 22.2#250.0-24 for wet locations
- IP65 rated housing
- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations listed in this document are DLC® qualified. Refer to <http://www.designlights.org> for the most up-to-date list.
- Emergency battery backup options are California Energy Commission (CEC) Title 20 Compliant

WARRANTY

- 5 year limited warranty

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 Gray Shading = Service Program Limit of 15 luminaires **QS10**

ORDERING GUIDE

Example: RWL1-48L-10-3K7-2-UNV-BLS-E

CATALOG # _____

| Series | # LEDs - Wattage | CCT/CRI | Distribution | Voltage | Color |
|---------------------------------|----------------------------------|-------------------|--------------------------------------|--------------|--------------------------------|
| RWL1 Micro Strike Optics | 48L-10 1,000 Lumens ³ | 3K7 3000K, 70 CRI | 2 IES TYPE II ¹³ | UNV 120-277V | BLT Black Matte Textured |
| | 48L-15 2,000 Lumens ³ | 4K7 4000K, 70 CRI | 3 IES TYPE III | 120 120V | BLS Black Gloss Smooth |
| | 48L-20 2,500 Lumens ³ | 5K7 5000K, 70 CRI | 4F IES TYPE IV Forward ¹³ | 208 208V | DBT Dark Bronze Matte Textured |
| | 48L-25 3,500 Lumens | 3K8 3000K, 80 CRI | 4W IES TYPE IV | 240 240V | DBS Dark Bronze Gloss Smooth |
| | 48L-35 4,500 Lumens | 4K8 4000K, 80 CRI | | 277 277V | GTT Graphite Matte Textured |
| | 48L-45 5,500 Lumens ³ | 5K8 5000K, 80 CRI | | 347 347V | LGS Light Grey Gloss Smooth |
| RWL2 Micro Strike Optics | 160L-45 6,500 Lumens | | | 480 480V | LGT Light Grey Matte Textured |
| | 160L-50 7,500 Lumens | | | | PSS Platinum Silver Smooth |
| | 160L-65 9,500 Lumens | | | | WHT White Matte Textured |
| | 160L-80 11,000 Lumens | | | | WHS White Gloss Smooth |
| | 160L-95 13,000 Lumens | | | | VGT Verde Green Textured |
| | 160L-115 15,000 Lumens | | | | Color Option |
| | 160L-135 17,500 Lumens | | | | CC Custom Color |
| | 160L-155 19,500 Lumens | | | | |
| RWL2 Ratio Wall 2 Strike Optics | 36L-39 5500 Lumens, Strike | | | | |
| | 36L-55 7500 Lumens, Strike | | | | |
| | 36L-85 10000 Lumens, Strike | | | | |
| | 36L-105 12500 Lumens, Strike | | | | |
| | 36L-120 14000 Lumens, Strike | | | | |

| Control Options Network | |
|-------------------------|---|
| NXW | NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor |
| NXWS16F | NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming |
| NXWS40F | NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming |
| WIR | LightGRID+ In-Fixture Module ^{1,5} |
| Stand Alone Sensors | |
| SCP-8F | Remote control programmable line voltage sensor ^{2,3} |
| SCP-20F | Remote control programmable line voltage sensor ^{2,3} |
| BTS-14F | Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ⁹ |
| BTS-40F | Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ⁹ |
| BTSO-12F | Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12' mounting height ⁹ |
| Control Options | |
| 7PR_ | 7-Pin Receptacle ⁵ |

| Options ¹² | |
|-----------------------|---|
| F | Fusing ² |
| E | Emergency Battery Backup ^{5,7,8} |
| EH | Emergency Battery w/ Heater Option ^{5,7} |
| 2DR | Dual Driver ^{3,5,10} |
| 2PF | Dual Power Feed ^{3,5,10} |
| PC | Button Photocontrol ^{7,11} |
| SP | 10kA Surge Protector ¹¹ |

- Notes:
- 1 Networked Controls cannot be combined with other control options
 - 2 Must specify voltage, 120V or 277V only
 - 3 Not available with 347/480V
 - 4 Replace "*" with "14" for up to 14' mounting height, "40" for up to 40' mounting height
 - 5 This item is located in the integral backbox which will be automatically added onto the fixture if chosen.
 - 6 For E and EH, an integral backbox is added to the RWL1 configuration
 - 7 Option only available at 120 or 277V
 - 8 2DR and 2PF can't be combined with E and EH due to space limitations
 - 9 Not available in RWL1 or 2 PF
 - 10 Available only in UNV in 25, 35 and 45 Watt in RWL1; Not available in RWL1 10, 15 and 20 Watt.
 - 11 SP and PC cannot be in the same fixture due to space constraints
 - 12 Based on space limitations, some options may not be able to be combined
 - 13 Not available in RWL1

CONTROLS

Control Options

Standalone
 SCPREMOTE Order at least one per project location to program and control

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

| Catalog Number | Description |
|------------------------------------|--|
| <input type="checkbox"/> WP-BB-XXX | Accessory for conduit entry ¹ |

Notes:
 1 replace "xxx" with color option

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CONTROLS FUNCTIONALITY

OUTDOOR LIGHTING CONTROLS OPTIONS

LIGHTGRID⁺



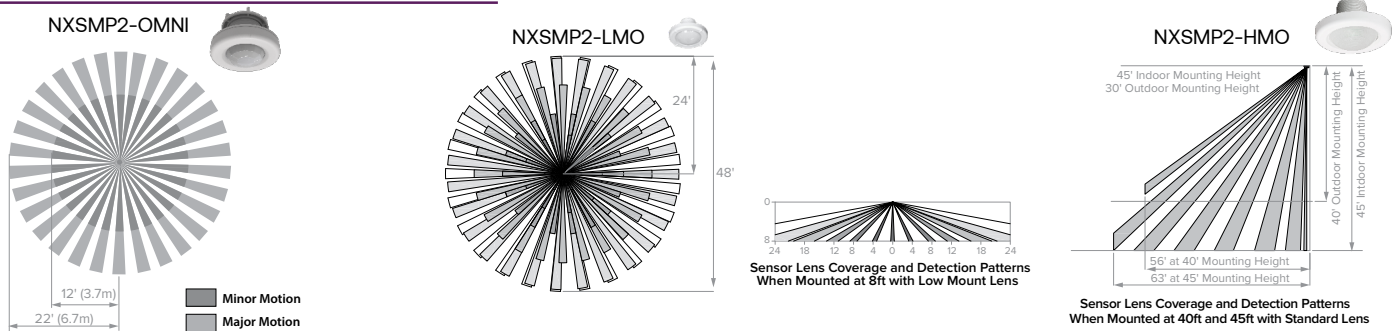
| | Control Option Ordering Logic & Description | Control Option Functionality | | | | | | | | | Control Option Components |
|-------------|--|------------------------------|----------|------------|------------------|---------------------|---------------|----------------|---------------------------|---------------|---------------------------|
| | | Networkable | Grouping | Scheduling | Occupancy/Motion | Daylight Harvesting | 0-10V Dimming | On/Off Control | Bluetooth App Programming | Sensor Height | |
| NX Wireless | NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor | ✓ | ✓ | ✓ | - | - | ✓ | ✓ | ✓ | - | NXRM2-H |
| | NXWS16F NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 16ft | NXSMP2-LMO |
| | NXWS40F NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 40ft | NXSMP2-HMO |
| LightGRID+ | WIR LightGRID+ In-Fixture Module | ✓ | - | ✓ | - | - | ✓ | ✓ | Gateway | - | WIR |
| Independent | BTSO-12F Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens | - | - | - | ✓ | ✓ | ✓ | ✓ | ✓ | 12ft | BTSMP-OMNI-O |
| | BTS-14F Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens | - | - | - | ✓ | ✓ | ✓ | ✓ | ✓ | 14ft | BTSMP-LMO |
| | BTS-40F Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens | - | - | - | ✓ | ✓ | ✓ | ✓ | ✓ | 40ft | BTSMP-HMO |

DEFAULT SETTINGS

| | | |
|-------------|--------------------------------------|------------|
| NX Wireless | Occupancy Sensor | Enabled |
| | Occupancy Sensor Sensitivity | 7 |
| | Occupancy Sensor Timeout | 15 Minutes |
| | Occupied Dim Level | 100% |
| | Unoccupied Dim Level | 0% |
| | Daylight Sensor | Disabled |
| | Bluetooth | Enabled |
| | 2.4GHz Wireless Mesh | On |
| | *Passcode Factory Passcode: HubbN3T! | Enabled |

| | | |
|-------------|------------------------------|-----------|
| Stand Alone | Occupancy Sensor | Enabled |
| | Occupancy Sensor Sensitivity | 7 |
| | Occupancy Sensor Timeout | 8 Minutes |
| | Occupied Dim Level | 100% |
| | Unoccupied Dim Level | 50% |
| | Daylight Sensor | Disabled |

NX WIRELESS COVERAGE PATTERNS



NX LIGHTING CONTROLS FREE APP

CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)



The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminaires and program NX system settings.

Apple App: <https://apps.apple.com/us/app/nx-lighting-controls/id962112904>

Google Play: https://play.google.com/store/apps/details?id=io.cordova.NXBT&hl=en_US&gl=US



Apple App



Google Play

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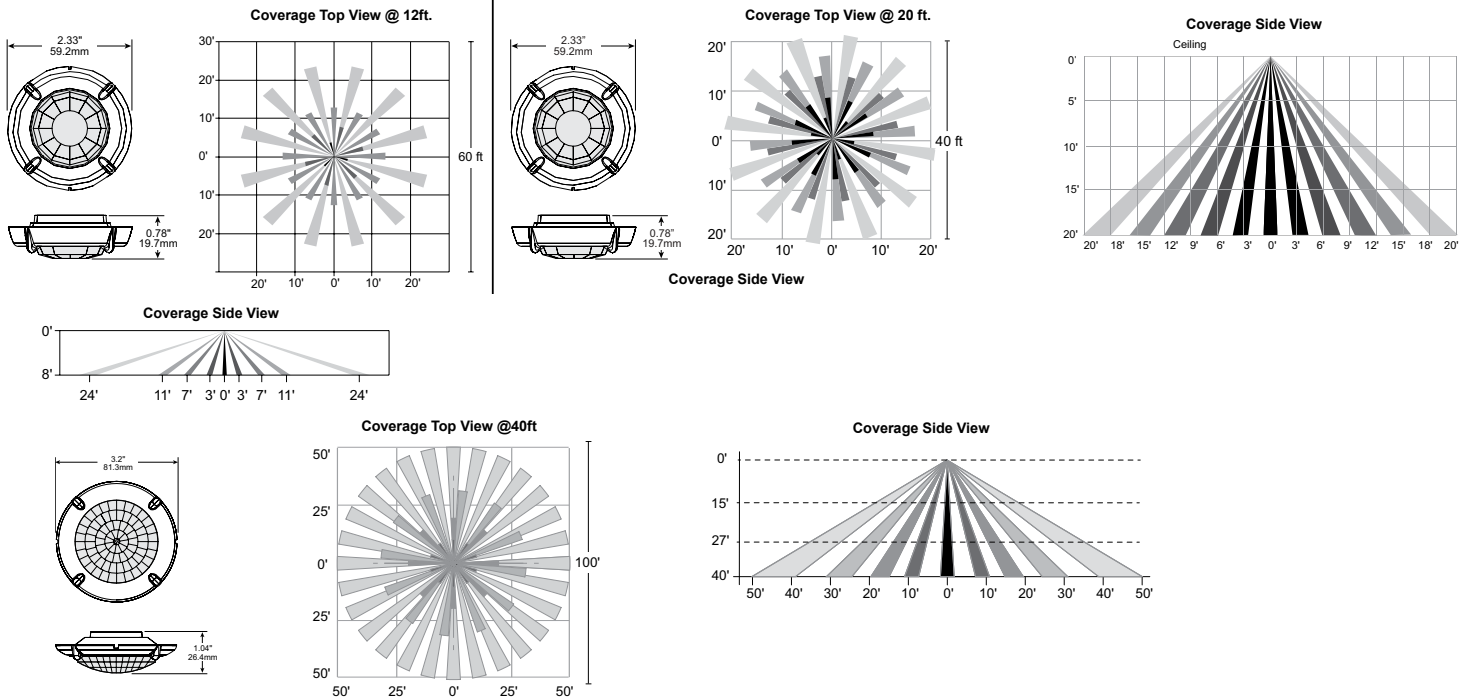
RWL1/RWL2 LED WALLPACK

OUTDOOR LIGHTING CONTROLS OPTIONS

CONTROLS FUNCTIONALITY

| | Control Option Ordering Logic & Description | Control Option Functionality | | | | | | | | | Control Option Components |
|-------------|---|------------------------------|----------|------------------------------|------------------|------------------------------|---------------|------------------------------|---------------------------|---------------|---------------------------|
| | | Networkable | Grouping | Scheduling | Occupancy/Motion | Daylight Harvesting | 0-10V Dimming | On/Off Control | Bluetooth App Programming | Sensor Height | |
| Independent | SCP_F Sensor Control Programmable, sensor range, reference product specification for height selections | - | - | - | ✓ | ✓ | ✓ | ✓ | - | 8ft or 40ft | SCP_F |
| | 7PR 7-Pin Receptacle | - | - | Paired with external control | - | Paired with external control | - | Paired with external control | - | - | 7PR |

COVERAGE PATTERNS FOR SCP_F



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PERFORMANCE DATA: MICROSTRIKE

| Description | Nominal Wattage | System Watts | Dist. Type | 5K (5000K NOMINAL 70 CRI) | | | | | 4K (4000K NOMINAL 70 CRI) | | | | | 3K (3000K NOMINAL 70 CRI) | | | | |
|-------------|-----------------|--------------|------------|---------------------------|-----|---|------|-------|---------------------------|-----|---|------|-------|---------------------------|-----|---|---|---|
| | | | | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G |
| RWL1 | 10 | 10.1 | 3 | 1362 | 135 | 0 | 0 | 1 | 1355 | 134 | 0 | 0 | 1 | 1303 | 129 | 0 | 0 | 1 |
| | | | 4W | 1343 | 133 | 0 | 0 | 1 | 1336 | 132 | 0 | 0 | 1 | 1285 | 127 | 0 | 0 | 1 |
| | 15 | 14.5 | 3 | 1972 | 136 | 1 | 0 | 1 | 1962 | 135 | 1 | 0 | 1 | 1887 | 130 | 1 | 0 | 1 |
| | | | 4W | 1945 | 134 | 0 | 0 | 1 | 1935 | 133 | 0 | 0 | 1 | 1861 | 128 | 0 | 0 | 1 |
| | 20 | 19.9 | 3 | 2722 | 137 | 1 | 0 | 1 | 2709 | 136 | 1 | 0 | 1 | 2605 | 131 | 1 | 0 | 1 |
| | | | 4W | 2685 | 135 | 1 | 0 | 1 | 2672 | 134 | 1 | 0 | 1 | 2569 | 129 | 1 | 0 | 1 |
| | 25 | 28.0 | 3 | 3749 | 134 | 1 | 0 | 1 | 3732 | 133 | 1 | 0 | 1 | 3588 | 128 | 1 | 0 | 1 |
| | | | 4W | 3698 | 132 | 1 | 0 | 1 | 3680 | 131 | 1 | 0 | 1 | 3538 | 126 | 1 | 0 | 1 |
| | 35 | 36.9 | 3 | 4751 | 129 | 1 | 0 | 2 | 4728 | 128 | 1 | 0 | 2 | 4546 | 123 | 1 | 0 | 1 |
| | | | 4W | 4685 | 127 | 1 | 0 | 2 | 4663 | 126 | 1 | 0 | 2 | 4483 | 121 | 1 | 0 | 2 |
| | 45 | 46.5 | 3 | 5812 | 125 | 1 | 0 | 2 | 5784 | 124 | 1 | 0 | 2 | 5562 | 120 | 1 | 0 | 2 |
| | | | 4W | 5731 | 123 | 1 | 0 | 2 | 5704 | 123 | 1 | 0 | 2 | 5485 | 118 | 1 | 0 | 2 |
| RWL2 | 45 | 46.1 | 2 | 6701 | 145 | 1 | 0 | 2 | 6668 | 145 | 1 | 0 | 2 | 6412 | 139 | 1 | 0 | 2 |
| | | | 3 | 6812 | 148 | 1 | 0 | 2 | 6780 | 147 | 1 | 0 | 2 | 6519 | 141 | 1 | 0 | 2 |
| | | | 4W | 6678 | 145 | 1 | 0 | 2 | 6646 | 144 | 1 | 0 | 2 | 6390 | 139 | 1 | 0 | 2 |
| | 50 | 54.0 | 2 | 7747 | 143 | 1 | 0 | 2 | 7710 | 143 | 1 | 0 | 2 | 7413 | 137 | 1 | 0 | 2 |
| | | | 3 | 7876 | 146 | 1 | 0 | 2 | 7838 | 145 | 1 | 0 | 2 | 7537 | 140 | 1 | 0 | 2 |
| | 4W | 7720 | 143 | 1 | 0 | 2 | 7683 | 142 | 1 | 0 | 2 | 7388 | 137 | 1 | 0 | 2 | | |
| | | | | | | | | | | | | | | | | | | |
| | 65 | 67.2 | 2 | 9539 | 142 | 1 | 0 | 2 | 9494 | 141 | 1 | 0 | 2 | 9129 | 136 | 1 | 0 | 2 |
| | | | 3 | 9699 | 144 | 2 | 0 | 2 | 9652 | 144 | 2 | 0 | 2 | 9281 | 138 | 2 | 0 | 2 |
| | | | 4W | 9507 | 141 | 2 | 0 | 2 | 9461 | 141 | 2 | 0 | 2 | 9097 | 135 | 2 | 0 | 2 |
| | 80 | 80.8 | 2 | 11228 | 139 | 2 | 0 | 2 | 11174 | 138 | 2 | 0 | 2 | 10745 | 133 | 2 | 0 | 2 |
| | | | 3 | 11416 | 141 | 2 | 0 | 2 | 11361 | 141 | 2 | 0 | 2 | 10924 | 135 | 2 | 0 | 2 |
| | | | 4W | 11190 | 138 | 2 | 0 | 2 | 11136 | 138 | 2 | 0 | 2 | 10708 | 133 | 2 | 0 | 2 |
| | 95 | 93.2 | 2 | 13148 | 141 | 2 | 0 | 2 | 13085 | 140 | 2 | 0 | 2 | 12582 | 135 | 2 | 0 | 2 |
| | | | 3 | 13368 | 143 | 2 | 0 | 2 | 13304 | 143 | 2 | 0 | 2 | 12792 | 137 | 2 | 0 | 2 |
| | | | 4W | 13103 | 141 | 2 | 0 | 2 | 13040 | 140 | 2 | 0 | 2 | 12539 | 135 | 2 | 0 | 2 |
| | 115 | 109.8 | 2 | 15102 | 138 | 2 | 0 | 3 | 15030 | 137 | 2 | 0 | 3 | 14452 | 132 | 2 | 0 | 3 |
| | | | 3 | 15354 | 140 | 2 | 0 | 3 | 15281 | 139 | 2 | 0 | 3 | 14693 | 134 | 2 | 0 | 3 |
| | | | 4W | 15050 | 137 | 2 | 0 | 3 | 14978 | 136 | 2 | 0 | 3 | 14402 | 131 | 2 | 0 | 3 |
| | 135 | 137.1 | 2 | 17533 | 128 | 2 | 0 | 3 | 17449 | 127 | 2 | 0 | 3 | 16778 | 122 | 2 | 0 | 3 |
| | | | 3 | 17826 | 130 | 2 | 0 | 3 | 17740 | 129 | 2 | 0 | 3 | 17058 | 124 | 2 | 0 | 3 |
| | | | 4W | 17473 | 127 | 2 | 0 | 3 | 17389 | 127 | 2 | 0 | 3 | 16720 | 122 | 2 | 0 | 3 |
| | 155 | 156.8 | 2 | 19495 | 124 | 2 | 0 | 3 | 19402 | 124 | 2 | 0 | 3 | 18656 | 119 | 2 | 0 | 3 |
| | | | 3 | 19821 | 126 | 2 | 0 | 3 | 19726 | 126 | 2 | 0 | 3 | 18967 | 121 | 2 | 0 | 3 |
| 4W | | | 19542 | 125 | 2 | 0 | 3 | 19448 | 124 | 2 | 0 | 3 | 18700 | 119 | 2 | 0 | 3 | |

RATIO Wall

RWL1/RWL2 LED WALLPACK

PERFORMANCE DATA: STRIKE

| Description | Nominal Wattage | System Watts | Dist. Type | 5K (5000K NOMINAL 70 CRI) | | | | | 4K (4000K NOMINAL 70 CRI) | | | | | 3K (3000K NOMINAL 80 CRI) | | | | |
|-------------|-----------------|--------------|------------|---------------------------|-----|---|---|---|---------------------------|-----|---|---|---|---------------------------|-----|---|---|---|
| | | | | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G |
| RWL2 | 39 | 45.1 | 2 | 5618 | 125 | 1 | 0 | 1 | 5723 | 127 | 1 | 0 | 1 | 5251 | 116 | 1 | 0 | 1 |
| | | | 3 | 5644 | 125 | 1 | 0 | 2 | 5749 | 127 | 1 | 0 | 2 | 5274 | 117 | 1 | 0 | 2 |
| | | | 4F | 5662 | 126 | 1 | 0 | 2 | 5768 | 128 | 1 | 0 | 2 | 5291 | 117 | 1 | 0 | 2 |
| | | | 4W | 5652 | 125 | 1 | 0 | 2 | 5757 | 128 | 1 | 0 | 2 | 5282 | 117 | 1 | 0 | 2 |
| | 55 | 63.1 | 2 | 7458 | 118 | 1 | 0 | 2 | 7659 | 121 | 1 | 0 | 2 | 6970 | 110 | 1 | 0 | 2 |
| | | | 3 | 7552 | 120 | 1 | 0 | 2 | 7694 | 122 | 1 | 0 | 2 | 7058 | 112 | 1 | 0 | 2 |
| | | | 4F | 7577 | 120 | 1 | 0 | 2 | 7718 | 122 | 1 | 0 | 2 | 7081 | 112 | 1 | 0 | 2 |
| | | | 4W | 7564 | 120 | 1 | 0 | 3 | 7705 | 122 | 1 | 0 | 3 | 7069 | 112 | 1 | 0 | 3 |
| | 85 | 88.0 | 2 | 10121 | 115 | 2 | 0 | 2 | 10311 | 117 | 2 | 0 | 2 | 9459 | 107 | 2 | 0 | 2 |
| | | | 3 | 10167 | 116 | 1 | 0 | 3 | 10357 | 118 | 1 | 0 | 3 | 9502 | 108 | 1 | 0 | 3 |
| | | | 4F | 10200 | 116 | 1 | 0 | 2 | 10390 | 118 | 1 | 0 | 2 | 9532 | 108 | 1 | 0 | 2 |
| | | | 4W | 10182 | 116 | 1 | 0 | 3 | 10372 | 118 | 1 | 0 | 3 | 9516 | 108 | 1 | 0 | 3 |
| | 105 | 111.7 | 2 | 12022 | 108 | 2 | 0 | 2 | 12247 | 110 | 2 | 0 | 2 | 11235 | 101 | 2 | 0 | 2 |
| | | | 3 | 12075 | 108 | 2 | 0 | 3 | 12301 | 110 | 2 | 0 | 3 | 11285 | 101 | 2 | 0 | 3 |
| | | | 4F | 12115 | 108 | 1 | 0 | 3 | 12341 | 110 | 1 | 0 | 3 | 11322 | 101 | 1 | 0 | 2 |
| | | | 4W | 12093 | 108 | 2 | 0 | 3 | 12319 | 110 | 2 | 0 | 3 | 11302 | 101 | 1 | 0 | 3 |
| | 120 | 126.2 | 2 | 12889 | 102 | 2 | 0 | 2 | 13130 | 104 | 2 | 0 | 2 | 12046 | 95 | 2 | 0 | 2 |
| | | | 3 | 12947 | 103 | 2 | 0 | 3 | 13189 | 105 | 2 | 0 | 3 | 12100 | 96 | 2 | 0 | 3 |
| | | | 4F | 12989 | 103 | 1 | 0 | 3 | 13232 | 105 | 1 | 0 | 3 | 12139 | 96 | 1 | 0 | 3 |
| | | | 4W | 12966 | 103 | 2 | 0 | 3 | 13208 | 105 | 2 | 0 | 3 | 12118 | 96 | 1 | 0 | 3 |



RATIO Wall

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DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

| Ambient Temperature | | Lumen Multiplier |
|---------------------|-------|------------------|
| 0°C | 32°F | 1.03 |
| 10°C | 50°F | 1.01 |
| 20°C | 68°F | 1.00 |
| 25°C | 77°F | 1.00 |
| 30°C | 86°F | 0.99 |
| 40°C | 104°F | 0.98 |
| 50°C | 122°F | 0.97 |

PROJECTED LUMEN MAINTENANCE

| Ambient Temp. | OPERATING HOURS | | |
|---------------|-----------------|--------|-----------------|
| | 0 | 25,000 | TM-21-22 60,000 |
| 25°C / 77°F | 1.00 | 0.91 | 0.83 |
| 40°C / 104°F | 0.99 | 0.90 | 0.82 |

Lumen maintenance values calculated per TM-21 using six times the LM-80 test time for the LED and in-situ thermal testing of the luminaire.

MULTIPLIER

| Micro Strike Lumen Multiplier | | | |
|-------------------------------|--------|--------|--------|
| CCT | 70 CRI | 80 CRI | 90 CRI |
| 2700K | – | 0.841 | – |
| 3000K | 0.977 | 0.861 | 0.647 |
| 3500K | – | 0.900 | – |
| 4000K | 1 | 0.926 | 0.699 |
| 5000K | 1 | 0.937 | 0.791 |

| Strike Lumen Multiplier | | | |
|--------------------------------|----------------------|-------|-------|
| CCT | 70CRI | 80CRI | 90CRI |
| 2700K | 0.900 | 0.810 | 0.62 |
| 3000K | 0.933 | 0.853 | 0.659 |
| 3500K | 0.959 | 0.894 | 0.711 |
| 4000K | 1.000 | 0.900 | 0.732 |
| 5000K | 1.000 | 0.900 | 0.732 |
| Monochromatic Amber Multiplier | | | |
| Amber | See Amber Spec Sheet | | |

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

ELECTRICAL DATA: MICROSTRIKE

| # OF LEDS | Nominal Wattage | Input Voltage | Oper. Current (Amps) | System Power (Watts) |
|-----------|-----------------|---------------|----------------------|----------------------|
| RWL1 | 10 | 120 | 0.08 | 10.1 |
| | | 208 | 0.05 | |
| | | 240 | 0.04 | |
| | | 277 | 0.04 | |
| | | 347 | 0.03 | |
| | | 480 | 0.02 | |
| | 15 | 120 | 0.12 | 14.5 |
| | | 208 | 0.07 | |
| | | 240 | 0.06 | |
| | | 277 | 0.05 | |
| | | 347 | 0.04 | |
| | | 480 | 0.03 | |
| | 20 | 120 | 0.17 | 19.9 |
| | | 208 | 0.10 | |
| | | 240 | 0.08 | |
| | | 277 | 0.07 | |
| | | 347 | 0.06 | |
| | | 480 | 0.04 | |
| | 25 | 120 | 0.23 | 28.0 |
| | | 208 | 0.13 | |
| | | 240 | 0.12 | |
| | | 277 | 0.10 | |
| | | 347 | 0.08 | |
| | | 480 | 0.06 | |
| 35 | 120 | 0.31 | 36.9 | |
| | 208 | 0.18 | | |
| | 240 | 0.15 | | |
| | 277 | 0.13 | | |
| | 347 | 0.11 | | |
| | 480 | 0.08 | | |
| 45 | 120 | 0.39 | 46.5 | |
| | 208 | 0.22 | | |
| | 240 | 0.19 | | |
| | 277 | 0.17 | | |
| | 347 | 0.13 | | |
| | 480 | 0.10 | | |

| # OF LEDS | Nominal Wattage | Input Voltage | Oper. Current (Amps) | System Power (Watts) |
|-----------|-----------------|---------------|----------------------|----------------------|
| RWL2 | 45 | 120 | 0.38 | 46.1 |
| | | 208 | 0.22 | |
| | | 240 | 0.19 | |
| | | 277 | 0.17 | |
| | | 347 | 0.13 | |
| | | 480 | 0.10 | |
| | 50 | 120 | 0.45 | 54.0 |
| | | 208 | 0.26 | |
| | | 240 | 0.23 | |
| | | 277 | 0.19 | |
| | | 347 | 0.16 | |
| | | 480 | 0.11 | |
| | 65 | 120 | 0.56 | 67.2 |
| | | 208 | 0.32 | |
| | | 240 | 0.28 | |
| | | 277 | 0.24 | |
| | | 347 | 0.19 | |
| | | 480 | 0.14 | |
| | 80 | 120 | 0.67 | 80.8 |
| | | 208 | 0.39 | |
| | | 240 | 0.34 | |
| | | 277 | 0.29 | |
| | | 347 | 0.23 | |
| | | 480 | 0.17 | |
| | 95 | 120 | 0.78 | 93.2 |
| | | 208 | 0.45 | |
| | | 240 | 0.39 | |
| | | 277 | 0.34 | |
| | | 347 | 0.27 | |
| | | 480 | 0.19 | |
| | 115 | 120 | 0.92 | 109.8 |
| | | 208 | 0.53 | |
| | | 240 | 0.46 | |
| | | 277 | 0.40 | |
| | | 347 | 0.32 | |
| | | 480 | 0.23 | |
| | 135 | 120 | 1.14 | 137.1 |
| | | 208 | 0.66 | |
| | | 240 | 0.57 | |
| | | 277 | 0.49 | |
| | | 347 | 0.40 | |
| | | 480 | 0.29 | |
| | 155 | 120 | 1.31 | 156.8 |
| | | 208 | 0.75 | |
| | | 240 | 0.65 | |
| | | 277 | 0.57 | |
| | | 347 | 0.45 | |
| | | 480 | 0.33 | |

RATIO Wall

RWL1/RWL2 LED WALLPACK

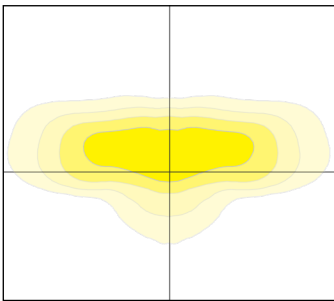
ELECTRICAL DATA: STRIKE

| # OF LEDS | Nominal Wattage | Input Voltage | Oper. Current (Amps) | System Power (Watts) |
|-----------|-----------------|---------------|----------------------|----------------------|
| RWL2 | 39 | 120 | 0.38 | 45.1 |
| | | 208 | 0.22 | |
| | | 240 | 0.19 | |
| | | 277 | 0.16 | |
| | | 347 | 0.13 | |
| | 55 | 120 | 0.53 | 63.1 |
| | | 208 | 0.30 | |
| | | 240 | 0.26 | |
| | | 277 | 0.23 | |
| | | 347 | 0.18 | |
| | 85 | 120 | 0.73 | 88.0 |
| | | 208 | 0.42 | |
| | | 240 | 0.37 | |
| | | 277 | 0.32 | |
| | | 347 | 0.25 | |
| | 105 | 120 | 0.93 | 111.7 |
| | | 208 | 0.54 | |
| | | 240 | 0.47 | |
| | | 277 | 0.40 | |
| | | 347 | 0.32 | |
| 120 | 120 | 1.05 | 126.2 | |
| | 208 | 0.61 | | |
| | 240 | 0.53 | | |
| | 277 | 0.46 | | |
| | 347 | 0.36 | | |
| | | 480 | 0.26 | |

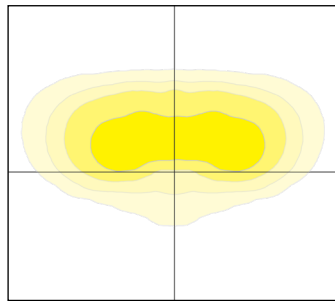
PHOTOMETRY

Mounting Height: 30ft

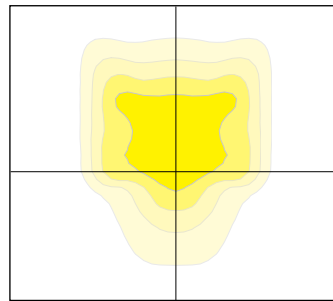
Type 2



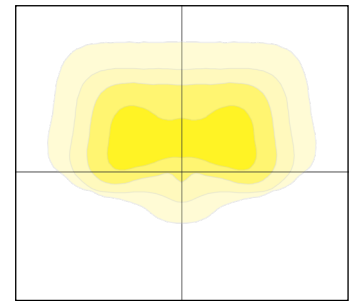
Type 3



Type 4F



Type 4W



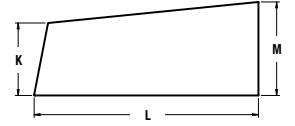
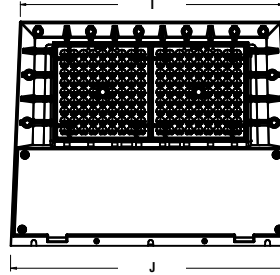
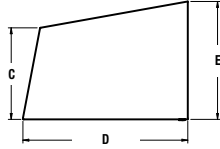
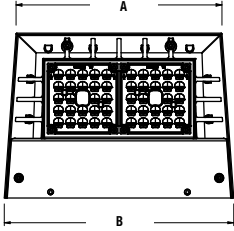
RATIO Wall

RWL1/RWL2 LED WALLPACK

DIMENSIONS

RWL1

RWL2

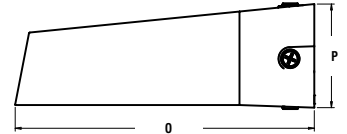
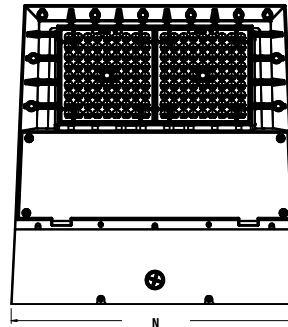
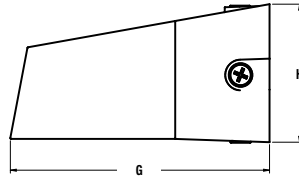
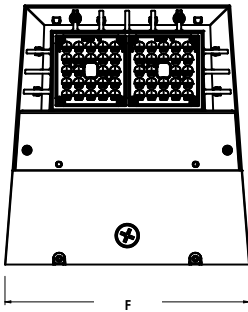


| A | B | C | D | E | Weight |
|-------|-------|------|-------|-------|--------------------|
| 8.7" | 9.7" | 3.9" | 7.0" | 5.0" | 6.5 lbs (2.95 kgs) |
| 221mm | 246mm | 99mm | 178mm | 127mm | |

| I | J | K | L | M | Weight |
|-------|-------|------|-------|-------|---------------------|
| 14.0" | 15.0" | 3.9" | 12.0" | 5.0" | 16.5 lbs (7.48 kgs) |
| 356mm | 381mm | 99mm | 305mm | 127mm | |

**RWL1 with
Integral Back Box**

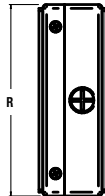
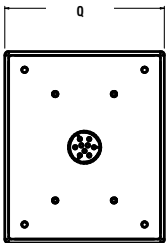
**RWL2 with
Integral Back Box**



| F | G | H |
|-------|-------|-------|
| 10.4" | 11.0" | 5.9" |
| 264mm | 279mm | 150mm |

| N | O | P |
|-------|-------|-------|
| 15.4" | 16.0" | 5.5" |
| 391mm | 406mm | 140mm |

Back Box Accessory



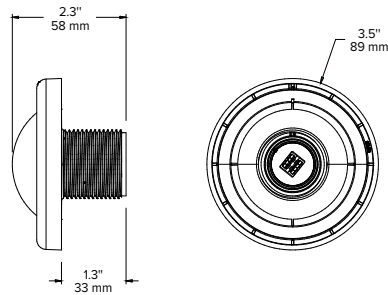
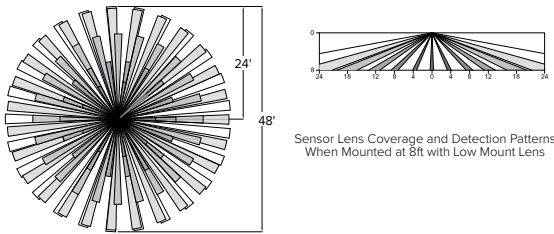
| Q | R | S |
|-------|-------|------|
| 4.9" | 5.9" | 2.1" |
| 124mm | 150mm | 53mm |

RATIO Wall

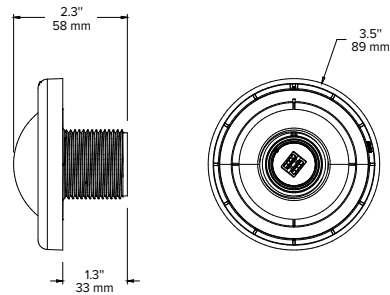
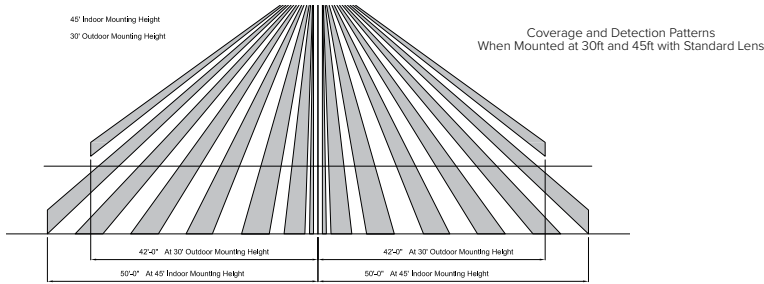
RWL1/RWL2 LED WALLPACK

ADDITIONAL INFORMATION

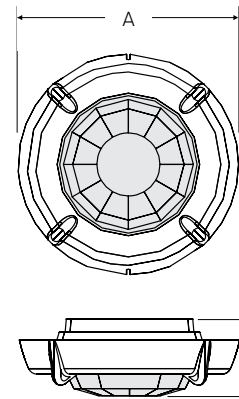
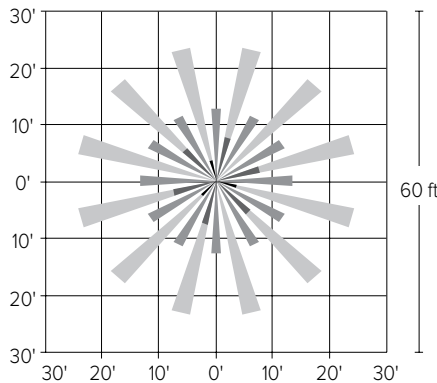
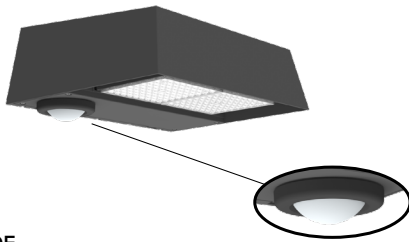
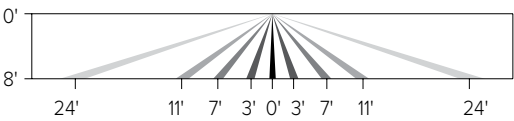
NXSP-14F



NXSP-40F

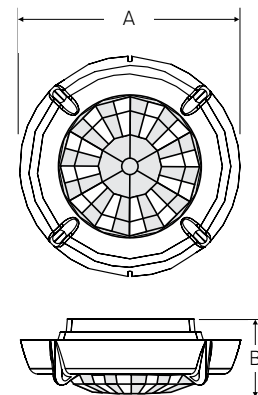
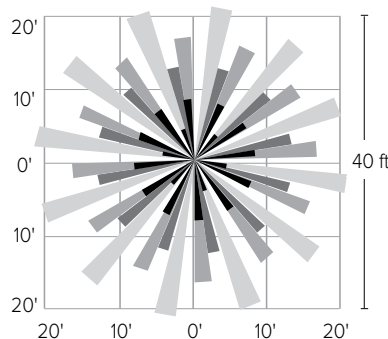
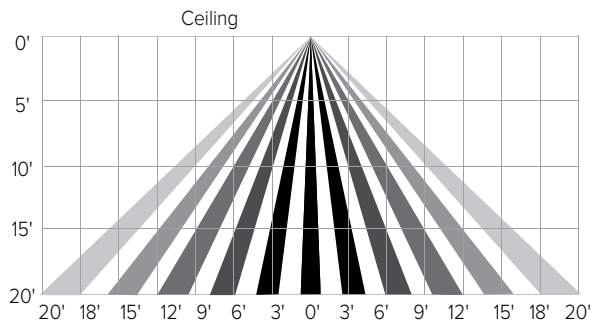


SCP-8F



| A | B |
|----------------|---------------|
| 2.3" (59mm) | .8" (20mm) |

SCP-20F



| A | B |
|----------------|---------------|
| 2.3" (59mm) | .8" (20mm) |