Surface meets substance

The ultra thin, exceptionally capable DRD5S surface mount LED downlight
KEY FEATURES
• Disappears into the ceiling
• Clear uniform light, no dark spots
• Ultra-thin form factor extends just 0.6” from the ceiling plane
• Snaps into place for easy installation that’s completely flush with the ceiling
• Proprietary driver with smooth dimming capability down to 5%

NEW CONSTRUCTION AND RETROFIT:
MULTIFAMILY
SINGLE FAMILY
COMMERCIAL
HOSPITALITY

APPLICATIONS:
CORRIDORS
LOBBIES
KITCHENS
LIVING SPACES
BALCONIES
BATHROOMS
SHOWERS
BEDROOMS

Minimalist masterpiece
The DRD5S redefines what’s possible for a surface mount downlight. Packed with technical breakthroughs, the ultra-thin DRD5S matches the elegance of a high-end recessed downlight. In addition, it’s more versatile because it can fit more applications, even those with limited plenum space.

The innovations built into the DRD5S are not simply practical – they’re beautiful as well. With a cutting-edge optoelectronic design, the DRD5S delivers the pure, smooth illumination that transforms spaces while disappearing into them.

As with all DMF products, the DRD5S has been thoughtfully engineered to save you time and money. It’s extraordinarily efficient, and easy to install and maintain. When paired with the SurfaceFrame, the DRD5S installs into just 2” of plenum space and meets the requirements of your most demanding environment. Simply put, the DRD5S combines the best aspects of recessed lighting and surface mounts into one remarkably small package.
See the light, not the fixture

The first time you turn on a DRD5S, you won’t believe it’s not a recessed downlight. Here’s why:

**Compact and capable**
Proprietary driver provides down to 5% dimming capability and simplifies maintenance

**Premier quality light engine**
90+ CRI LED comes standard, and produces up to 1000 lumens of exceptional light

**Flawless brilliance**
Precisely optimized LED array delivers smooth, uniform illumination with no visible fasteners or dark spots

**Clearly different**
Specialized lens transmits clear, beautiful light with a subtle diffusion

**Barely-there bezel**
Elegant, minimal design blends seamlessly into the ceiling

**Designed to disappear**
Extends just 0.6 inches below the ceiling plane to minimize visual profile
Same sleek design, two different forms

The DRD5’s minimal, elegant design is available in two different shapes, round or square. Both offer the same illumination and housing compatibility so you can mix and match or easily swap shapes to best match your architectural vision.
Looks great, works great

The DRD5S’s refined appearance and remarkably thin form factor make it ideal for a huge range of applications from hotel hallways to home bathrooms to outdoor spaces. And when it’s combined with the SurfaceFrame, the DRD5S can meet the requirements of your most demanding environment.

Engineered to save you time and money

The DRD5S was engineered from the bottom up to cut costs without cutting corners. That’s how we can deliver a recessed downlight feel with the convenience and cost of an all-in-one. From its highly efficient light engine to its amazingly simple installation process, the DRD5 is an excellent value at installation and for the entire life of the product.

Performance, simplicity, value

- Delivers the looks and performance of a recessed light at an affordable price
- Industry leading efficiency – 83 lm/W
- ENERGY STAR qualified and CA Title 24 2016 JA8 compliant
- Rated for a long life – over 22 years* at 70% lumen maintenance
- Integrated driver simplifies maintenance or replacement

*Based on average six hours use per day.
SurfaceFrame™
Octagonal Junction Box

Building on greatness
The SurfaceFrame is based on the award-winning OneFrame®, so it’s just as easy to specify, install and maintain. Like the OneFrame, it includes fire, sound, air tight, insulated contact, and wet location ratings as well as many other innovative features such as tool free height adjustments.

No space? No problem
The SurfaceFrame’s ultra-low profile allows it to install in as little as 2” of ceiling space when 5/8” drywall is used. When paired with the DRD5S, it’s ideal for areas with limited plenum space like closets and utility rooms.

Tool-free height adjustable even after mounting
Easily locks horizontally into place with a screwdriver
Bar hangers pivot for horizontal or vertical mounting
Fits in 2” plenum space when using 5/8” drywall

STC/IC Sound Rated
ASTM E283 certified Air Tight
SurfaceFrame metallic outlet box certified UL514A
Note: Up to 2 hour fire rating with the appropriate ceiling structure.
Better together
DRD5S and SurfaceFrame™

When the power’s out, these lights stay on
The DRD5S EM maintains the same minimal aesthetic and slim form factor as the standard DRD5S with the addition of an integrated test switch. This eliminates unsightly wall plates and maintains a seamless design that conceals the battery above the ceiling.

SurfaceFrame with alternate construction
Pairing the DRD5S with a SurfaceFrame allows for enhanced dimming and/or Emergency LED Driver option, which can provide lighting for up to 120 minutes after power failure – enough to meet common safety regulations like NFPA 101. The SurfaceFrame also features a removable housing for simple driver maintenance without above ceiling access required.

A perfect fit
Because the SurfaceFrame was specifically designed for the DRD5S, it delivers the perfect aperture for a tight, seamless fit. This minimizes the space and materials required for installation.

UL Listed for Wet Location
IC Rated

Emergency
Enhanced Dimming
Compatibility by design

DRD5S is engineered to install into a wide range of junction boxes.

More installation options

Utilizing a compact, integrated driver allows DRD5S to install into most metallic octagonal and non-metallic round junction boxes. This opens up greater installation options so that DRD5S can be retrofit into nearly any existing application.

Make light work of installation

The DRD5S installs quickly, easily and flush with the ceiling every time.

Step 1

Install SurfaceFrame or compatible junction box

Step 2

Attach the mounting bracket with just two screws and connect the module to power

Step 3

Snap the DRD5S into place (a push from just one finger will get the job done)

Compatible junction boxes

<table>
<thead>
<tr>
<th>JUNCTION BOX</th>
<th>MIN. DEPTH</th>
<th>MIN. VOLUME</th>
<th>THROUGH-WIRE RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>SurfaceFrame Octagonal Junction Box</td>
<td>2 1/2&quot;</td>
<td>20 in³</td>
<td>6 (three in, three out) #12 AWG</td>
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<tr>
<td>4O Octagonal Junction Box (metallic)</td>
<td>1 1/2&quot;</td>
<td>15.5 in³</td>
<td>4 (two in, two out) #12 AWG</td>
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<tr>
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<td>4 (two in, two out) #12 AWG</td>
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<td>4O Round Junction Box (non-metallic)</td>
<td>2 3/8&quot;</td>
<td>20 in³</td>
<td>6 (three in, three out) #12 AWG</td>
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</tbody>
</table>
DRD5S Surface Mount LED Downlight

Specs at a Glance

Application
New Construction, Retrofit (non-EM only)

Housing
SurfaceFrame, Metallic Octagonal or Non-Metallic Round Junction Box

Shape
Round, Square

Finish
White

Lumen Output (Power)
750 lm (9.0W), 1000 lm (12.0W)

Efficacy
83 lm/W

Color Quality
90+ CRI, < 3-step SDM

CCT Options
2700K, 3000K

Lifetime (L70)
50,000 hrs

Input Voltage
120/277V

Dimming
Down to less than 5% for TRIAC/ELV at 120V, 1% for 0-10V or Lutron® Hi-lume® 1% at 120/277V

Emergency Lighting
Optional Emergency Battery Backup Units for emergency lighting up to 120 minutes with integrated test switch

Listings
DRD5S: California Title 24 2016, JAR compliant, ENERGY STAR® qualified, UL Listed for Wet Location, IC Rated. SurfaceFrame: DRDHNJO metallic outlet box certified ULS144A, up to 2hr fire rating with appropriate ceiling structure, STC/IC Sound Rated, ASTM E263 certified Air Tight, cULus Listed

Warranty
5 years

Product Selection Guide

FRAMES-IN KIT (Product Code Example: DRDH + N + JO = DRDHNJO)

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>APPLICATION</th>
<th>APERTURE</th>
<th>SHAPE</th>
<th>LUMENS</th>
<th>CRI</th>
<th>CCT</th>
<th>DRIVER</th>
<th>OPTION</th>
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<td>Housing</td>
<td>N</td>
<td>New</td>
<td>JO</td>
<td>Octagonal Junction Box</td>
<td>(Blank)</td>
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<td>(Blank)</td>
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<td>70</td>
<td>0-10V, 750 lm</td>
<td>EM</td>
<td>Emergency Driver</td>
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<td>0-10V, 1000 lm</td>
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LIGHT ENGINE (Product Code Example: DRD5S + 4 + R + 07 + 9 + 30 + DRD5S4R07930)

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<th>LUMENS</th>
<th>CRI</th>
<th>CCT</th>
<th>DRIVER</th>
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<td>0° Aperture</td>
<td>07</td>
<td>750 lm</td>
<td>9</td>
<td>90+ CRI</td>
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<td>New Construction</td>
<td>JO</td>
<td>Octagonal Junction Box</td>
<td>(Blank)</td>
<td>Integrated Dimming</td>
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<tr>
<td>70O</td>
<td>0-10V, 750 lm</td>
<td>EM</td>
<td>Emergency Driver</td>
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Dimensions

DRD5S4 4" Surface Mount LED Downlight

DRDHNJO SurfaceFrame Octagonal Junction Box
Photometrics

Light Engine: **DRDSS4R07930** (DRDSS Luminaire, 750 lm, 90 CRI, 3000K)

- **Luminous Intensity**
  - **Gamma C 0º**
    - 0.0º: 254
    - 5.0º: 258
    - 10.0º: 256
    - 15.0º: 247
    - 20.0º: 237
    - 25.0º: 226
    - 30.0º: 215
    - 35.0º: 205
    - 40.0º: 185
    - 45.0º: 169
    - 50.0º: 151
    - 55.0º: 132
    - 60.0º: 113
    - 65.0º: 95
    - 70.0º: 79
    - 75.0º: 64
    - 80.0º: 35
    - 85.0º: 18
    - 90.0º: 6

- **Zonal Lumen Summary**
  - **Zone** | Lumens | Luminaire %
  - 0-30 | 979 | 27
  - 0-40 | 524 | 44
  - 0-60 | 573 | 77
  - 0-90 | 744 | 100
  - 0-180 | 744 | 100

- **Illuminance Chart**
  - **Distance from LED** | **Foot Candles** | **Diameter**
  - 3.0' | 20 | 8.8''
  - 6.0' | 7 | 17.7''
  - 9.0' | 3 | 26.5''
  - 12.0' | 2 | 35.3''

Values in candle

Light Engine: **DRDSS4R10930** (DRDSS Luminaire, 1000 lm, 90 CRI, 3000K)

- **Luminous Intensity**
  - **Gamma C 0º**
    - 0.0º: 356
    - 5.0º: 354
    - 10.0º: 349
    - 15.0º: 340
    - 20.0º: 327
    - 25.0º: 312
    - 30.0º: 296
    - 35.0º: 276
    - 40.0º: 255
    - 45.0º: 233
    - 50.0º: 209
    - 55.0º: 183
    - 60.0º: 155
    - 65.0º: 124
    - 70.0º: 101
    - 75.0º: 74
    - 80.0º: 48
    - 85.0º: 25
    - 90.0º: 6

- **Zonal Lumen Summary**
  - **Zone** | Lumens | Luminaire %
  - 0-30 | 274 | 27
  - 0-40 | 447 | 44
  - 0-60 | 790 | 77
  - 0-90 | 1027 | 100
  - 0-180 | 1027 | 100

- **Illuminance Chart**
  - **Distance from LED** | **Foot Candles** | **Diameter**
  - 3.0' | 20 | 8.8''
  - 6.0' | 7 | 17.7''
  - 9.0' | 3 | 26.5''
  - 12.0' | 2 | 35.3''

Values in candle

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dmf Lighting

DRDSS

Surface Mount LED Downlight

The thinnest-in-class DRDSS redefines what’s possible for a surface mounted downlight. It delivers the pure, smooth light and the elegant look of a high-end recessed downlight, but it’s compact enough to fit in limited plenum space. Through a combination of technological advances and smart design, the DRDSS achieves the perfect balance of aesthetics, performance and value.
INNOVATIVE ENGINEERING FOR BREAKTHROUGH DESIGN

DMF Lighting designs, manufactures and distributes residential and commercial downlighting that’s easy to specify and intuitively simple. An engineering driven company, DMF stands out for our forward-thinking industrial design, responsive service and deliverability of product.