



PRODUCT SPECIFICATIONS



4" Recessed Mount

- All-in-one LED luminaire for retrofit, remodel, and new construction
- Slim, drawn aluminum construction
- Easy, tool-less installation for most 4", 5" or 6" recessed housings and standard 4" junction boxes
- 750 lumens of pleasing, low glare light, powered by Lumileds LEDs
- 120V operation with flicker-free TRIAC/ELV dimming down to 10%
- 50,000 hour lifetime (L70)
- 5 year limited warranty

Luminaire

LED: Tightly binned Lumileds LED.

LUMEN OUTPUT: 700 lm (recessed), 750 lm (surface mount).

POWER: 13W.

CRI: 90+.

CCT: 2700K, 3000K, 4000K.

BINNING: Color variation within 3-step MacAdam ellipse (SDCM).

CONNECTOR: IDEAL PowerPlug® Luminaire Disconnect, female. Supplied with hardwire adapter which includes male IDEAL PowerPlug® Luminaire Disconnect and pigtail connection. Optional Edison, GU-24 or Male-to-Male IDEAL Adapters available.

DRIVER: Integral electronic driver for 120V 50/60Hz operation. Electronic driver compatible with forward and reverse phase-control dimming at 120V only.

DIMMING: TRIAC/ELV for 120V only with flicker-free dimming down to 10% of total lumen output.

LIFETIME: 50,000 hours at 70% lumen maintenance

PHOTOMETRIC TESTING: Tested in accordance to IESNA LM-79-2008.

TRIM: Slim, drawn-aluminum construction.

LISTINGS: cULus Classified. ENERGY STAR® qualified. Title 24 compliant. UL Listed for Wet Location. GEC listed.

WARRANTY: 5 year limited warranty.

Installation

HOUSINGS: 4" Surface Mount installs in most 4" recessed housings and listed 4" deep octagonal, 3" deep octagonal and 4" deep square junction boxes. 6" Surface Mount installs in most 4", 5" and 6" recessed housings and listed 4" deep octagonal, 3" deep octagonal and 4" deep square junction boxes. 4" Recessed installs in most 4" recessed housings. 6" Recessed installs in most 6" recessed housings.



Dimmable



50000 hrs lifetime



Warranty



UL listed for wet location

| | | | |
|---------------|--|----------|-------|
| Product Code: | | Type: | |
| Project: | | Contact: | Date: |



PRODUCT SELECTION GUIDE

LUMINAIRE (Product Code Example: DRD1S427)

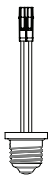
| PRODUCT CODE | PROFILE | CCT |
|----------------|---------------------|----------|
| DRD1 Luminaire | S4 4" Surface Mount | 27 2700K |
| | S6 6" Surface Mount | 30 3000K |
| | R4 4" Recessed | 40 4000K |
| | R6 4" Recessed | |

ADAPTER

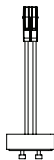
| PRODUCT CODE | |
|--------------|--|
| DRD2X-QCM-ED | Edison Adapter |
| DRD2X-QCM-GU | GU-24 Adapter |
| DRD2X-QCM-M | PowerPlug® Luminaire Disconnect Male Adapter |

ADAPTERS

DRD2X-QCM-ED
Edison Adapter



DRD2X-QCM-GU
GU-24 Adapter



DRD2X-QCM-M
Male IDEAL
PowerPlug® Adapter



DRD2X-QCM-HW
Hardwire Adapter

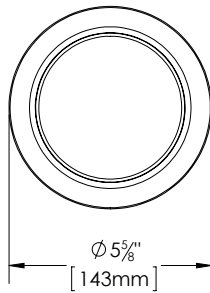
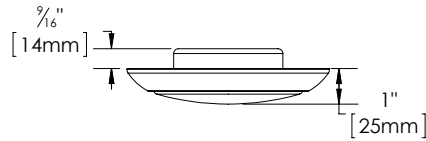




LUMINAIRE OVERVIEW

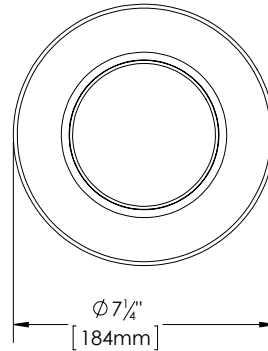
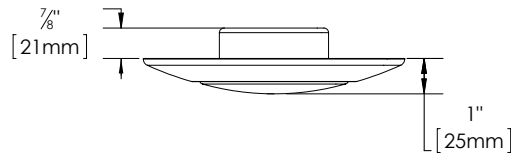
DRD1S4

4" Surface Mount LED



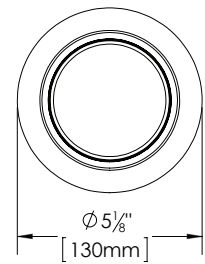
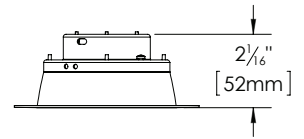
DRD1S6

6" Surface Mount LED



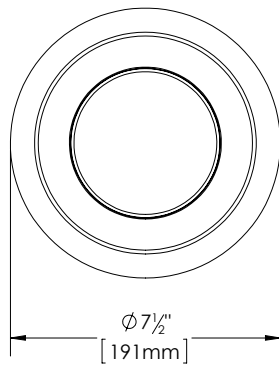
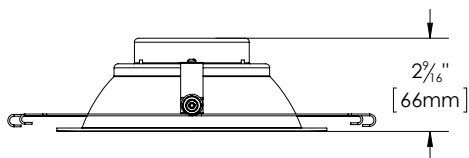
DRD1R4

4" Recessed LED



DRD1R6

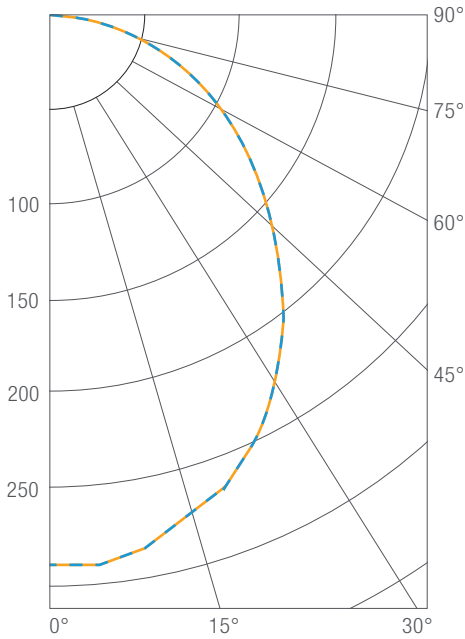
6" Recessed LED



| | DRD1S | DRD1R |
|-----------------------------------|---------------------|-------|
| Total Delivered Lumen Output (lm) | 750 | 700 |
| Total Rated Power (W) | 13.0 | 13.0 |
| Efficacy (lm/W) | 58 | 54 |
| Color Rendering Index | 90+ | |
| CCT Options | 2700K, 3000K, 4000K | |
| Optics | Wide Flood | Flood |
| Binning | 3-step SDCM | |
| Lifetime (L70) | 50,000 hours | |
| Max Ambient Operating Temperature | 40°C | |
| Input Voltage (V) | 120V, 50/60Hz | |
| Input Current at 120V (Max) | 0.11A | |
| Power Factor | >0.9 | |
| Total Harmonic Distortion | <13% | |
| Dimming | 100% - 10% | |

PHOTOMETRICS

Luminaire: **DRD1Sx30** (DRD1 Surface Mount Luminaire, 750 lm, 90 CRI, 3000K)



cd — C0 - C180 — C90 - C270 755 lm

Luminous Intensity

| Gamma | C 0° |
|-------|------|
| 0.0° | 290 |
| 5.0° | 291 |
| 10.0° | 286 |
| 15.0° | 276 |
| 20.0° | 265 |
| 25.0° | 251 |
| 30.0° | 232 |
| 35.0° | 213 |
| 40.0° | 192 |
| 45.0° | 169 |
| 50.0° | 148 |
| 55.0° | 127 |
| 60.0° | 106 |
| 65.0° | 86 |
| 70.0° | 68 |
| 75.0° | 50 |
| 80.0° | 30 |
| 85.0° | 12 |
| 90.0° | 0 |

Values in candela

Zonal Lumen Summary

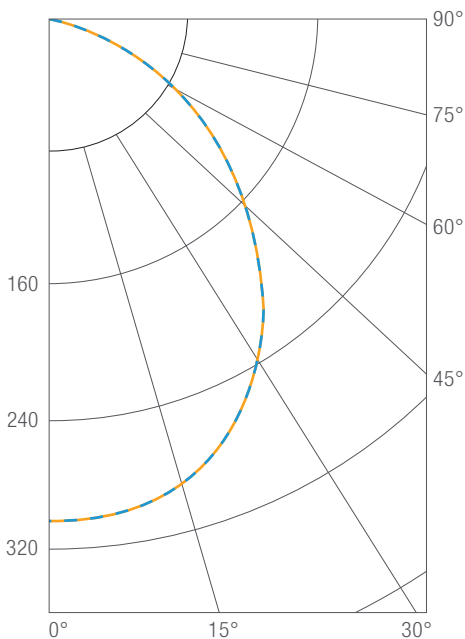
| LED Module | Flux (lm) | Power (W) | Downlight Spacing (ft) | Average Illuminance (fcd) | Max/Min | LPD (W/sq ft) |
|----------------------|-----------|-----------|------------------------|---------------------------|---------|---------------|
| DRD1S430 DRD1S630 | 755 | 13.0 | 4 x 4 | 47 | 1.44 | 0.79 |
| | | | 6 x 6 | 23 | 1.20 | 0.42 |
| | | | 8 x 8 | 12 | 1.40 | 0.20 |

Calculation Area: 50' (L) x 40' (W) x 10' (H)
LLF 1.0, 80/50/20 Reflectance, 2.5' (H) Workplane
Spacing Criteria: 1.22

Zonal Lumen Summary

| Zone | Lumens | Luminaire % |
|-------|--------|-------------|
| 0-30 | 221 | 29 |
| 0-40 | 354 | 47 |
| 0-60 | 600 | 80 |
| 0-90 | 755 | 100 |
| 0-180 | 755 | 100 |

Luminaire: **DRD1R430** (DRD1 4" Recessed Luminaire, 700 lm, 90 CRI, 3000K)



cd — C0 - C180 — C90 - C270 710 lm

Luminous Intensity

| Gamma | C 0° |
|-------|------|
| 0.0° | 303 |
| 5.0° | 303 |
| 10.0° | 300 |
| 15.0° | 293 |
| 20.0° | 283 |
| 25.0° | 268 |
| 30.0° | 249 |
| 35.0° | 226 |
| 40.0° | 200 |
| 45.0° | 171 |
| 50.0° | 142 |
| 55.0° | 112 |
| 60.0° | 85 |
| 65.0° | 62 |
| 70.0° | 42 |
| 75.0° | 27 |
| 80.0° | 16 |
| 85.0° | 10 |
| 90.0° | 3 |

Values in candela

Zonal Lumen Summary

| LED Module | Flux (lm) | Power (W) | Downlight Spacing (ft) | Average Illuminance (fcd) | Max/Min | LPD (W/sq ft) |
|------------|-----------|-----------|------------------------|---------------------------|---------|---------------|
| DRD1R430 | 755 | 13.0 | 4 x 4 | 42 | 1.43 | 0.78 |
| | | | 6 x 6 | 21 | 1.15 | 0.41 |
| | | | 8 x 8 | 11 | 1.35 | 0.19 |

Calculation Area: 50' (L) x 40' (W) x 10' (H)
LLF 1.0, 80/50/20 Reflectance, 2.5' (H) Workplane
Spacing Criteria: 1.22

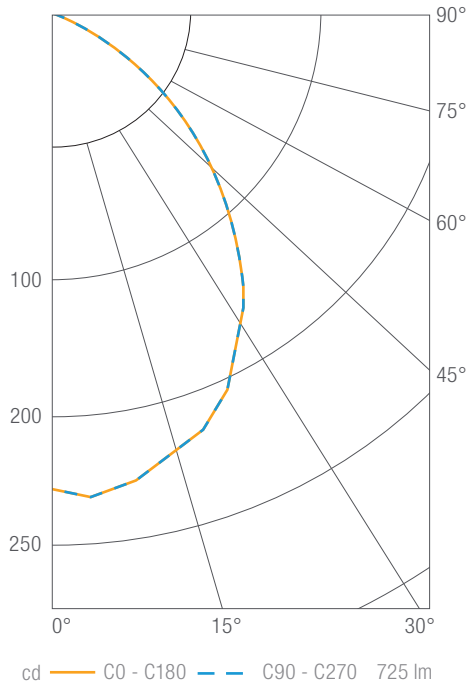
Zonal Lumen Summary

| Zone | Lumens | Luminaire % |
|-------|--------|-------------|
| 0-30 | 235 | 33 |
| 0-40 | 376 | 53 |
| 0-60 | 608 | 86 |
| 0-90 | 710 | 100 |
| 0-180 | 710 | 100 |



PHOTOMETRICS

Luminaire: **DRD1R630** (DRD1 6" Recessed Luminaire, 700 lm, 90 CRI, 3000K)



Luminous Intensity

| Gamma | C 0° |
|-------|------|
| 0.0° | 357 |
| 5.0° | 363 |
| 10.0° | 356 |
| 15.0° | 344 |
| 20.0° | 332 |
| 25.0° | 310 |
| 30.0° | 281 |
| 35.0° | 251 |
| 40.0° | 216 |
| 45.0° | 176 |
| 50.0° | 137 |
| 55.0° | 102 |
| 60.0° | 70 |
| 65.0° | 46 |
| 70.0° | 28 |
| 75.0° | 15 |
| 80.0° | 4 |
| 85.0° | 1 |
| 90.0° | 0 |

Values in candela

Zonal Lumen Summary

| LED Module | Flux (lm) | Power (W) | Downlight Spacing (ft) | Average Illuminance (fcd) | Max/Min | LPD (W/sq ft) |
|------------|-----------|-----------|------------------------|---------------------------|---------|---------------|
| DRD1R630 | 725 | 13.0 | 4 x 4 | 48 | 1.37 | 0.79 |
| | | | 6 x 6 | 23 | 1.14 | 0.42 |
| | | | 8 x 8 | 12 | 1.27 | 0.20 |

Calculation Area: 50' (L) x 40' (W) x 10' (H)

LLF 1.0, 80/50/20 Reflectance, 2.5' (H) Workplane

Spacing Criteria: 1.22

Zonal Lumen Summary

| Zone | Lumens | Luminaire % |
|-------|--------|-------------|
| 0-30 | 274 | 38 |
| 0-40 | 430 | 59 |
| 0-60 | 659 | 91 |
| 0-90 | 725 | 100 |
| 0-180 | 725 | 100 |

**DIMMER COMPATIBILITY**

Recommended Phase-control Dimmers (Dims down to 10% nominal measured light output)

| Brand | Series | Model Number | Max Load |
|------------------|------------------|--|----------|
| Control 4 | Control 4 | C4-APD120 | 9 |
| Cooper | Decorator | DLC03P, DAL06P | 22 |
| Leviton | Decora Sureslide | 6615 | 23 |
| | Vizia | VPE04-ILZ | 29 |
| | Vizia | VPE06-ILZ | 44 |
| Lutron | Ariadni | AYLV-600P, AYLV-603P | 11 |
| | Diva | DVELV-300P, DVELV-303P, DVSCELV-300P, DVSCELV-303P | 23 |
| | Maestro | MAELV-600, MAELV-600-S, MSCELV-600M | 34 |
| | Maestro Wireless | MRF2-6ND-120, MRF2-6ELV-120 | 11 |
| | Radio RA2 | RRD-6NA | 34 |
| | Skylark | S-600 | 11 |
| | Skylark | S-1000 | 18 |
| | Skylark | SELV-300 | 11 |
| Phillips | Sunrise | SLV-600P, SLV-603P | 11 |
| | | SR400RPC120 | 31 |

¹ Dimmer compatibility reflects performance compatibility only. Please reference your local codes for application.