

| | |
|---------------|-------|
| Project Name: | Type: |
| Part Number: | Date: |

THINFIT 6" COMMERCIAL DOWNLIGHT

SPECIFICATION FEATURES

- **Mechanical** - Shallow die cast aluminum heat sink with a low profile external driver is ideal for new or remodel construction. Two rugged spring clips allow for both easy installation and field accessibility below the ceiling.
- **Electrical** - Externally mounted driver, 120 - 277V voltage, 50/60Hz, 0 - 10V dimming to 10%. Quick connect electrical connect in metal clad cable.
Go to www.greencreative.com for complete dimmer compatibility list.
- **Optical** - Edge lighting technology featuring a PMMA light guide plate and smooth polycarbonate lens ensures an even light emitting surface. Available in 3000K, 3500K and 4000K with a minimum of 90 CRI.
- **Thermal** - Die cast aluminum heat sink with its edge lighting design maximizes thermal dissipation. L70 rated lifetime of 50,000 hours.
Fixture operating temperature: -4°F to 95°F (-25°C to 35°C)
- **Compliance and warranty** - ETL Classified and Listed for wet location. Certified air-tight per ASTM 283-04, IC rated for direct contact with insulation. 5 year parts warranty for complete fixture.



122724



BENEFITS

- Quick and easy installation with spring action clip
- External driver with quick connector for easy wiring
- Suitable for shallow ceiling applications
- Install almost everywhere with Wet Location, IC and Air-tight ratings
- Edge lighting technology for gentle and smooth diffusion

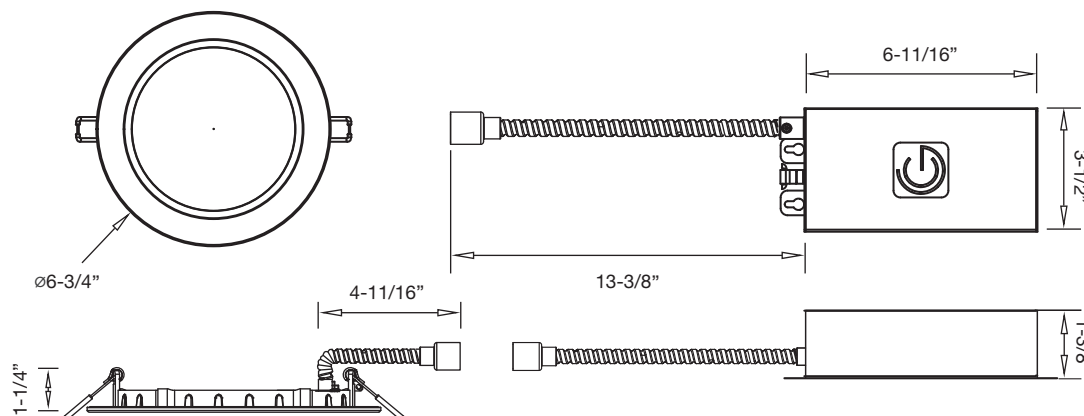
APPLICATIONS

- Commercial
- Residential
- Educational
- Hospitality
- Retail

ORDERING INFORMATION

| Series | Size | CRI | CCT | Driver |
|---|--|--|---|---|
| <input checked="" type="checkbox"/> 12NCDL New Construction Downlight 12W | <input checked="" type="checkbox"/> R6DIM 6" | <input checked="" type="checkbox"/> 9 CRI 90 | <input type="checkbox"/> 30 3000K | <input checked="" type="checkbox"/> 277V / EXT 120 - 277V, 0-10V Dimmable to 10% |
| | | | <input type="checkbox"/> 35 3500K | |
| | | | <input type="checkbox"/> 40 4000K | |

LINE DRAWINGS



| Ceiling Cutout | |
|----------------|----------|
| Minimum | Maximum |
| Ø5-15/16" | Ø6-5/16" |

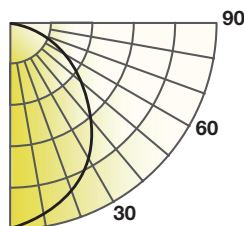
THINFIT 6" COMMERCIAL DOWNLIGHT

TECHNICAL INFORMATION

| Dimming | Input Voltage | Input Frequency | Input Current | Input Power | THD Power | Power Factor |
|---------|---------------|-----------------|---------------|-------------|-----------|--------------|
| 0-10V | 120-277V | 50 / 60Hz | 0.10A | 12W | <20% | >0.9 |

PHOTOMETRY

12NCDLR6DIM/935/277V/EXT



Lumens: 1056 lm
 Power: 12 W
 Efficacy: 91 lm/W
 CRI: 90+
 Spacing Criteria: 1.25
 Beam Angle: 100°

| Candlepower Distribution | |
|--------------------------|--------------|
| Angle (°) | Average (cd) |
| 0 | 364 |
| 5 | 362 |
| 15 | 350 |
| 25 | 324 |
| 35 | 289 |
| 45 | 243 |
| 55 | 192 |
| 65 | 136 |
| 75 | 77 |
| 85 | 20 |
| 90 | 0 |

| Initial Footcandles | | |
|---------------------|----|---------------|
| Height (ft) | Fc | Diameter (ft) |
| 8 | 6 | 24 |
| 9 | 4 | 27 |
| 10 | 4 | 30 |
| 12 | 3 | 37 |
| 15 | 2 | 46 |

| Zonal Lumen Summary | | |
|---------------------|--------|----------|
| Zone | Lumens | %Fixture |
| 0-30 | 282 | 27 |
| 0-40 | 463 | 44 |
| 0-60 | 821 | 78 |
| 0-90 | 1056 | 100 |

| Coefficient | | |
|-------------|-------|-------|
| 3000K | 3500K | 4000K |
| 0.96 | 1.00 | 1.01 |

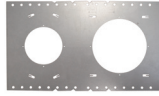
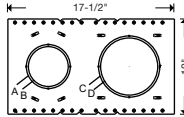
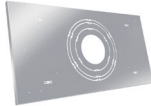
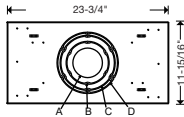

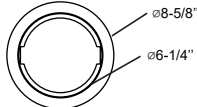





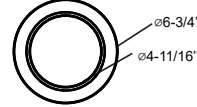

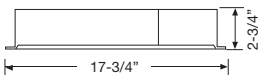

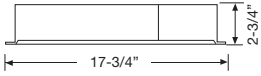
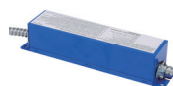
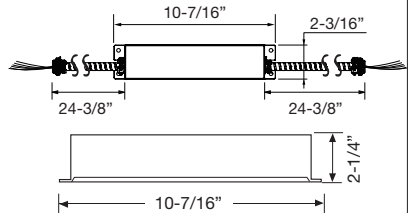
PERFORMANCE

| 12NCDLR6DIM/9xx/277V/EXT | | | |
|--------------------------|-------|-------|-------|
| CCT | 3000K | 3500K | 4000K |
| Lumens | 1017 | 1056 | 1069 |
| LPW | 88 | 91 | 93 |

ORDERING GUIDE

| Product | Model |
|---------|--------------------------|
| 98217 | 12NCDLR6DIM/930/277V/EXT |
| 98218 | 12NCDLR6DIM/935/277V/EXT |
| 98219 | 12NCDLR6DIM/940/277V/EXT |

THINFIT 6" COMMERCIAL DOWNLIGHT

| ACCESSORY ORDERING INFORMATION | | | | |
|--------------------------------|------------------|---|--|--|
| Product | Model | Description | Pictures | Dimenions |
| 98280 | NCDL46RPLATE | 4" & 6" THINFIT EXT Series New Construction Plate for Stud/Joist Mounting |  |  A: Ø4-5/8" B: Ø4-3/16" C: Ø6-7/16" D: Ø6" |
| 98501 | NCPLATE/T4689 | New Construction or Remodel Plate for T-Grid Ceilings |  |  A: Ø4-5/16" B: Ø6-5/16" C: Ø8-1/16" D: Ø9" |
| 97848 | DLNC6GOOF/R | 6" THINFIT EXT Series GOOF RING |  |  Ø8-5/8" Ø6-1/4" |
| 98348 | NCDLR6TRIMBL | 6" THINFIT EXT Series Black Trim |  |  Ø6-3/4" Ø4-11/16" |
| 98349 | NCDLR6TRIMBN | 6" THINFIT EXT Series Brushed Nickel Trim |  |  Ø6-3/4" Ø4-11/16" |
| 98350 | NCDLR6TRIMBZ | 6" THINFIT EXT Series Bronze Trim |  |  Ø6-3/4" Ø4-11/16" |
| 58012 | 35EMINVERTER | 35W Emergency Inverter (Field Installation) |  |  17-3/4" x 2-3/4" |
| 58013 | 35EMINVERTER/CEC | California Title 20 Compliant 35W Emergency Inverter (Field Installation) |  |  17-3/4" x 2-3/4" |
| 98003 | 23EMDRIVER | California Title 20 Compliant 23W Emergency LED Driver (Field Installation) |  |  10-7/16" x 2-1/4" |

Note: All rights reserved. All sizes and specifications are subject to change at any time without notice.