

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

THINFIT 4" 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** - 120V voltage, 50/60Hz external driver, dims to 10% using most forward and reverse phase dimmers. Plenum rated cable with quick connect for easy installation. 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 2700K, 3000K and 4000K with a minimum of 90 CRI.
- **Thermal** - Die cast aluminum heat sink with it's 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 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.



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

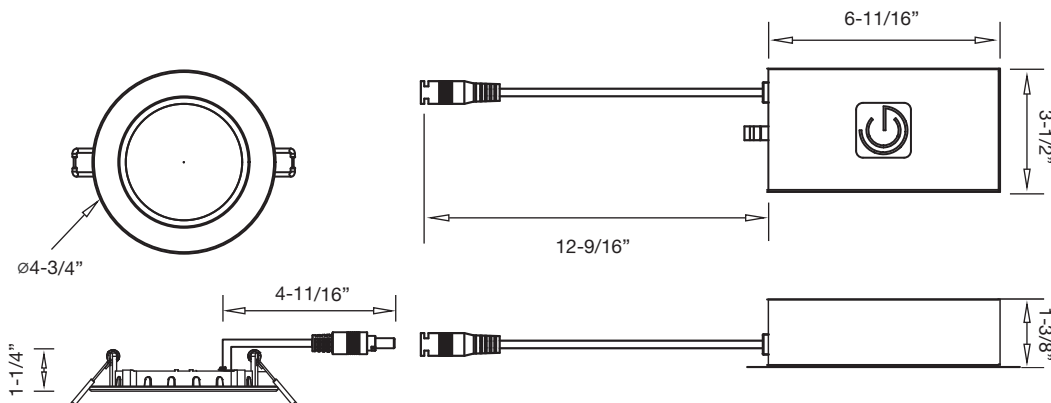
APPLICATIONS

- Commercial
- Residential
- Educational
- Hospitality
- Retail

ORDERING INFORMATION

| Series | Size | CRI | CCT | Driver |
|---|--|--|---|---|
| <input checked="" type="checkbox"/> 10NCDL New Construction Downlight 10W | <input checked="" type="checkbox"/> R4DIM 4" | <input checked="" type="checkbox"/> 9 CRI 90 | <input type="checkbox"/> 27 2700K | <input checked="" type="checkbox"/> EXT 120V - Line voltage dimming |
| | | | <input type="checkbox"/> 30 3000K | |
| | | | <input type="checkbox"/> 40 4000K | |

LINE DRAWINGS



| Ceiling Cutout | |
|----------------|---------|
| Minimum | Maximum |
| Ø4-1/16" | Ø4-3/8" |

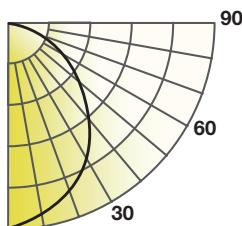
THINFIT 4" COMMERCIAL DOWNLIGHT

TECHNICAL INFORMATION

| Dimming | Input Voltage | Input Frequency | Input Current | Input Power | THD Power | Power Factor |
|--------------------------|---------------|-----------------|---------------|-------------|-----------|--------------|
| Forward or Reverse Phase | 120V | 50 / 60Hz | 0.08A | 10W | <20% | >0.9 |

PHOTOMETRY

10NCDLR4DIM/930/EXT



Lumens: 736 lm
Power: 10 W
Efficacy: 76 lm/W
CRI: 90+
Spacing Criteria: 1.25
Beam Angle: 114°

| Candlepower Distribution | |
|--------------------------|--------------|
| Angle (°) | Average (cd) |
| 0 | 254 |
| 5 | 253 |
| 15 | 244 |
| 25 | 226 |
| 35 | 200 |
| 45 | 168 |
| 55 | 132 |
| 65 | 93 |
| 75 | 49 |
| 85 | 8 |
| 90 | 0 |

| Initial Footcandles | | |
|---------------------|----|---------------|
| Height (ft) | Fc | Diameter (ft) |
| 8 | 4 | 25 |
| 9 | 3 | 28 |
| 10 | 3 | 31 |
| 12 | 2 | 37 |
| 15 | 1 | 46 |


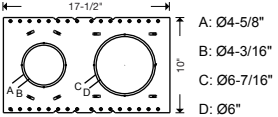
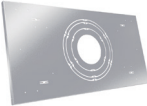
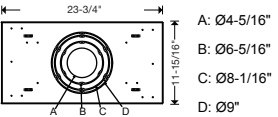

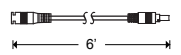

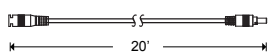

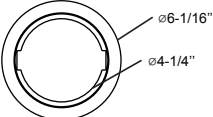

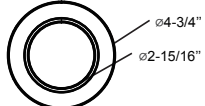

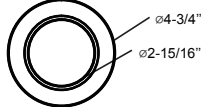

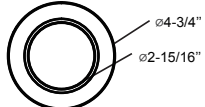

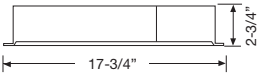

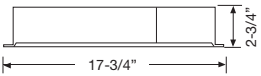
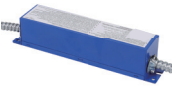
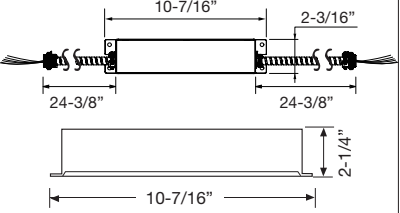
| Zonal Lumen Summary | | |
|---------------------|--------|----------|
| Zone | Lumens | %Fixture |
| 0-30 | 197 | 27 |
| 0-40 | 323 | 44 |
| 0-60 | 575 | 78 |
| 0-90 | 736 | 100 |

| Coefficient | | |
|-------------|-------|-------|
| 2700K | 3000K | 4000K |
| 0.98 | 1.00 | 1.12 |

PERFORMANCE

| 10NCDLR4DIM/9xx/EXT | | | |
|---------------------|-------|-------|-------|
| CCT | 2700K | 3000K | 4000K |
| Lumens | 720 | 736 | 826 |
| LPW | 71 | 84 | 83 |

THINFIT 4" 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" |
| 98236 | NCDLCON6 | THINFIT EXT 120V - 6 foot extension cable |  |  6' |
| 98237 | NCDLCON20 | THINFIT EXT 120V - 20 foot extension cable |  |  20' |
| 97847 | DLNC4GOOF/R | 4" THINFIT EXT Series GOOF RING |  |  Ø6-1/16" Ø4-1/4" |
| 98345 | NCDLR4TRIMBL | 4" THINFIT EXT Series Black Trim |  |  Ø4-3/4" Ø2-15/16" |
| 98346 | NCDLR4TRIMBN | 4" THINFIT EXT Series Brushed Nickel Trim |  |  Ø4-3/4" Ø2-15/16" |
| 98347 | NCDLR4TRIMBZ | 4" THINFIT EXT Series Bronze Trim |  |  Ø4-3/4" Ø2-15/16" |
| 58012 | 35EMINVERTER | 35W Emergency Inverter (Field Installation) |  |  17-3/4" 2-3/4" |
| 58013 | 35EMINVERTER/CEC | California Title 20 Compliant 35W Emergency Inverter (Field Installation) |  |  17-3/4" 2-3/4" |
| 98003 | 23EMDRIVER | California Title 20 Compliant 23W Emergency LED Driver (Field Installation) |  |  10-7/16" 2-3/16" 24-3/8" 2-1/4" |