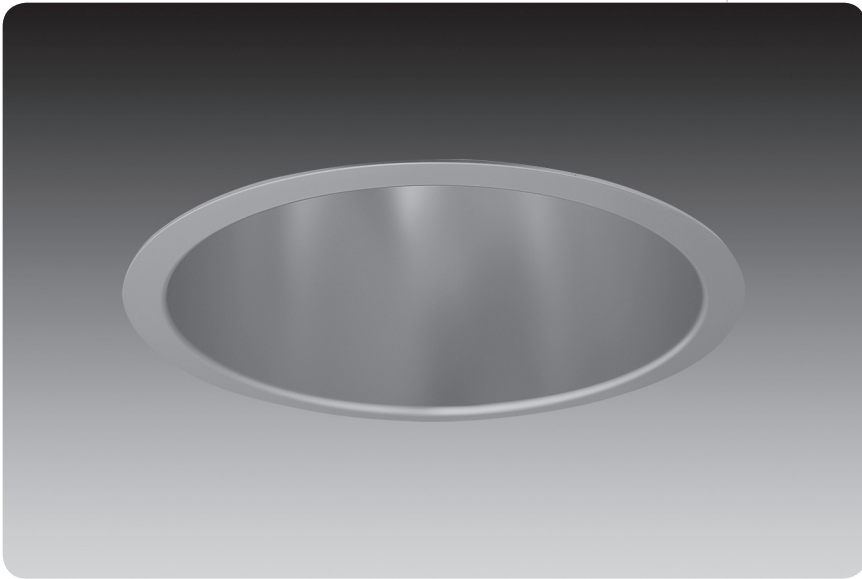


6" – led downlight  
with emergency battery



features

LED module features remote phosphor technology enabling a high system efficacy and minimum 80 CRI

Battery pack delivers emergency light levels and is compatible with all available LED modules. Integral or remote test switch available.

Future-proof LED system design maintains form factor, lumen output, and thermal characteristics of module and driver as technology advances, allows for easy replacement and upgrades

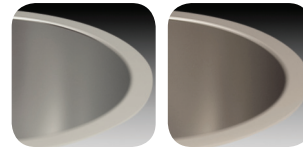
1100, 1300 & 2000 lumen LED modules available.

Constant current driver senses LED module characteristics and delivers the designed output regardless of color temperature

Flicker-free 0-10V analog dimming capability standard

Self-flanged Clear Diffuse reflector cone features superior brightness control and 50 degree cutoff to light source and its image

reflector options

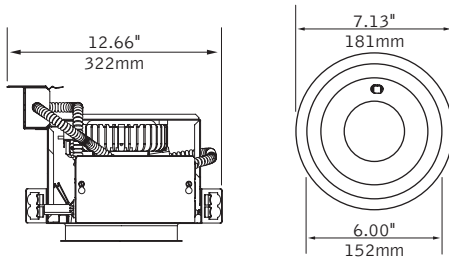
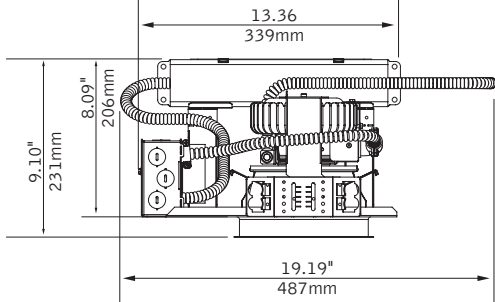


clear diffuse

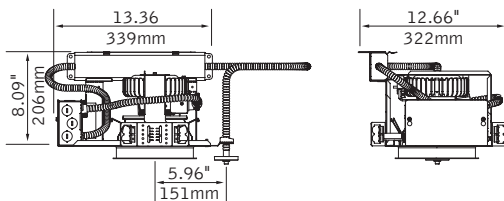
warm diffuse

dimensional data

integral test switch (em)–below ceiling access



remote test switch (emr)–below ceiling access

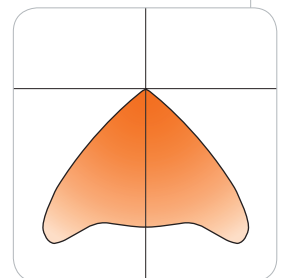


performance

38W, 3000K, 2000 Lumen LED Module  
Clear Diffuse Reflector  
Total Luminaire Output: 1684lms  
Photometric performance is measured in accordance with IESNA LM-79.



Use 1300 lumen LED downlight in place of a 6" 32W compact fluorescent



Visit focalpointlights.com for complete photometric data.

fixture:

project:

## housing specifications

### led system

Powered by Philips' Fortimo™ LED DLM, Advance Xitanium LED driver and communication cable. Aluminum heat sink provides appropriate thermal management. System is future-proof, allowing for easy replacement and upgrades as LED technology advances.

### led module

Philips' Fortimo™ LED DLM features patented remote phosphor technology for superior efficacy and color consistency. Module may be specified in 3000K, 3500K or 4000K, CRI>80.

### construction

Thermally protected housing for new construction applications. Insulation to be kept 3" away from housing. Butterfly brackets allow mounting to ½ emt. Order bar hangers as an accessory. Die-cast aluminum heat sink designed for maximum thermal dissipation. Die-formed housing and integral junction box with (7) 1/2" pry outs. Accommodates ceiling thicknesses up to 1". For thicker ceiling consult factory. Fixture will not exceed 5 lb.

### electrical

Advance Xitanium multi-volt 120V-277V constant current driver includes standard 0-10V analog dimming. Power factor >.9 typical, 50/60Hz., 200-700mA, input power range, 19.9—37.7w. 120-277v<15% THD @ 100% power <20% THD when dimming. "Thermal Guard" offers protection from overheating in abnormal conditions; driver will dim DLM if necessary. Voltage specific thermal protectors included standard. 2000 lumen versions integrate fanless active cooling solution designed for operation by the Fortimo LED system.

### emergency battery

Bodine BSL17C-C2.

Emergency output—660 module lumens for all available models.

#### 1100 Lumen Module

| Color Temp | Rated System Watts | Delivered Lumens | Delivered Lumens/Watt |
|------------|--------------------|------------------|-----------------------|
| 3000K      | 19.0               | 947              | 49.8                  |
| 3500K      | 18.0               | 947              | 52.6                  |
| 4000K      | 17.0               | 947              | 55.7                  |

#### 1300 Lumen Module

| Color Temp | Rated System Watts | Delivered Lumens | Delivered Lumens/Watt |
|------------|--------------------|------------------|-----------------------|
| 3000K      | 23.5               | 1114             | 47.4                  |
| 3500K      | 23.0               | 1114             | 48.4                  |
| 4000K      | 21.0               | 1114             | 53.0                  |

#### 2000 Lumen Module

| Color Temp | Rated System Watts | Delivered Lumens | Delivered Lumens/Watt |
|------------|--------------------|------------------|-----------------------|
| 3000K      | 36.5               | 1684             | 46.1                  |
| 3500K      | 34.5               | 1684             | 48.8                  |
| 4000K      | 33.5               | 1684             | 50.3                  |

\*Lumen rating based on Clear Diffuse reflector cone  
\*Lumen output may vary +/- 5%  
\*Actual wattage may vary +/- 5%  
\*Module output is identical for all available color temperatures.

### dimming

0-10V DC low voltage dimming capability is included with the standard Advance Xitanium driver. Dimming range is to 10% light output, some dimmers may require high and/or low end trim adjustment for proper function. Consult the [ID LED Technical Guide](#) for compatible dimmers and control systems.

### labels

UL and cUL Listed. Lensed trims suitable for Wet Location.

### lifetime & warranty

LED System rated for 50,000 hours at 70% lumen output (L70). Rated life and lumen output based on maximum temperature of 65°C at Tc point on LED module. If Tc temperature rises above rated maximum due to end use conditions, lifetime and lumen output may decrease. 5 year limited warranty on LED system provided by Philips.

## trim specifications

### aesthetics

Parabolic reflector cone ensures glare free optics. Reflector is .050 spun aluminum. Torsion springs pull trim tight to the ceiling with no visible fasteners within the trim. Specify truncated reflector for compatibility with EM option. Overlap trims are self-flanged. Non-painted trim matches reflector finish. White painted flange may also be specified.

### optics

50-degree cut-off to light source and its image.

## housing ordering

|  |             |
|--|-------------|
| <b>housing series</b>  | <b>FL6D</b> |
| ID LED Round   | FL6D        |
| <b>lamp</b>  |             |
| 1100 Lumen LED Module  | 11LED       |
| 1300 Lumen LED Module  | 13LED       |
| 2000 Lumen LED Module  | 20LED       |
| <b>lamp temperature</b>  |             |
| 3000K  | L30         |
| 3500K  | L35         |
| 4000K  | L40         |
| <b>voltage</b>   |             |
| 120V   | 120         |
| 277V   | 277         |
| <b>trim type</b>   | <b>R0</b>   |
| Round Overlap  | R0          |
| <b>housing type</b>  | <b>T</b>    |
| Thermally Protected, Non-IC  | T           |
| <b>factory options</b>   |             |
| Emergency Battery Pack with Integral Test Switch   | EM          |
| Emergency Battery Pack with Remote Test Switch   | EMR         |
| <b>trim ordering</b>   |             |
| <b>aperture</b>  |             |
| 6" Round EM Reflector (Required for "EM" option)   | L6EM        |
| 6" Round Reflector (Required for "EMR" option)   | L6          |
| <b>trim type</b>   | <b>R0</b>   |
| Round Overlap  | R0          |
| <b>optic</b>   |             |
| Downlight  | DN          |
| Regress Frosted Lens (wet location)  | RL          |
| <b>color</b>   |             |
| Clear Diffuse  | CD          |
| Warm Diffuse   | WD          |
| <b>flange finish</b>   |             |
| Non-Painted  | NP          |
| White Painted  | WP          |
| a complete unit consists of two line items, housing and trim<br>example:<br>FL6D-13LED-L30-120-R0-T-EM<br>L6EM-R0-DN-CD-NP |             |



# id led—emergency battery ordering

## 4.5" Round

|                               | Integral Test Switch |                            | Remote Test Switch |      |
|-------------------------------|----------------------|----------------------------|--------------------|------|
|                               | Housing              | Trim                       | Housing            | Trim |
| Downlight (DN)                | EM                   | L4EM (Truncated Reflector) | EMR                | L4   |
| Downlight w/Regress Lens (RL) | XX                   | XX                         | EMR                | L4   |
| Wall Wash (WW)                | XX                   | XX                         | EMR                | L4   |

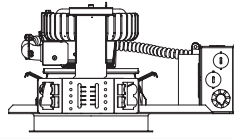
## 4.5" × 4.5" Square

|                               | Integral Test Switch |                        | Remote Test Switch |      |
|-------------------------------|----------------------|------------------------|--------------------|------|
|                               | Housing              | Trim                   | Housing            | Trim |
| Downlight (DN)                | EM                   | L44EM (Open Reflector) | EMR                | L44  |
| Downlight w/Regress Lens (RL) | EM                   | L44EM (Open Reflector) | EMR                | L44  |
| Wall Wash (WW)                | EM                   | L44                    | EMR                | L44  |
| Decorative Lens               | EM                   | L44                    | EMR                | L44  |

## 6" Round

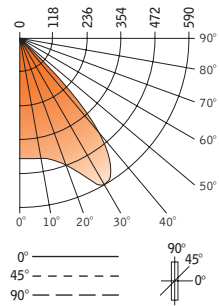
|                               | Integral Test Switch |                                 | Remote Test Switch |      |
|-------------------------------|----------------------|---------------------------------|--------------------|------|
|                               | Housing              | Trim                            | Housing            | Trim |
| Downlight (DN)                | EM                   | L6EM (Accommodates Test Switch) | EMR                | L6   |
| Downlight w/Regress Lens (RL) | EM                   | L6EM (Accommodates Test Switch) | EMR                | L6   |
| Wall Wash (WW)                | EM                   | L6                              | EMR                | L6   |

6" – led downlight  
id®



Filename: FL6DNCD11LEDL30.IES  
Catalog #: FL6D-11LED-L30-R0-T, L6-R0-DN-CD  
Photometric Report #: 15865

CANDLEPOWER DISTRIBUTION



| Vertical Angle | 0°  | Zonal Lumens |
|----------------|-----|--------------|
| 0°             | 417 |              |
| 5°             | 420 | 40           |
| 15°            | 436 | 124          |
| 25°            | 533 | 247          |
| 35°            | 551 | 346          |
| 45°            | 208 | 161          |
| 55°            | 24  | 21           |
| 65°            | 6   | 6            |
| 75°            | 2   | 2            |
| 85°            | 0   | 0            |
| 90°            | 0   |              |

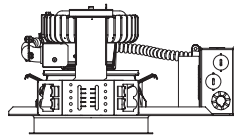
Spacing Criteria:  
1.6

LUMEN SUMMARY

|                        | Zone Lumens       | % Fixt       |
|------------------------|-------------------|--------------|
| 0°-30°                 | 411               | 43.4         |
| 0°-40°                 | 756               | 79.9         |
| 0°-60°                 | 938               | 99.1         |
| 0°-90°                 | 947               | 100.0        |
| <b>Total Luminaire</b> | <b>0°-90° 947</b> | <b>100.0</b> |

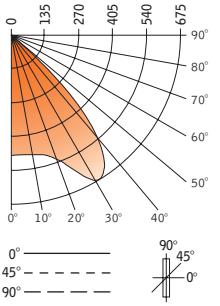
Go to [www.focalpointlights.com](http://www.focalpointlights.com) for additional photometric data.

6" – led downlight  
id®



Filename: FL6DNCD13LEDL30.IES  
Catalog #: FL6D-13LED-L30-R0-T, L6-R0-DN-CD  
Photometric Report #: 15866

CANDLEPOWER DISTRIBUTION



| Vertical Angle | 0°  | Zonal Lumens |
|----------------|-----|--------------|
| 0°             | 483 |              |
| 5°             | 483 | 46           |
| 15°            | 498 | 141          |
| 25°            | 599 | 277          |
| 35°            | 649 | 408          |
| 45°            | 267 | 206          |
| 55°            | 28  | 25           |
| 65°            | 8   | 8            |
| 75°            | 2   | 3            |
| 85°            | 0   | 0            |
| 90°            | 0   |              |

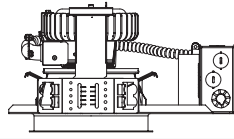
Spacing Criteria:  
1.7

LUMEN SUMMARY

|                        | Zone Lumens        | % Fixt       |
|------------------------|--------------------|--------------|
| 0°-30°                 | 464                | 41.7         |
| 0°-40°                 | 872                | 78.3         |
| 0°-60°                 | 1104               | 99.1         |
| 0°-90°                 | 1114               | 100.0        |
| <b>Total Luminaire</b> | <b>0°-90° 1114</b> | <b>100.0</b> |

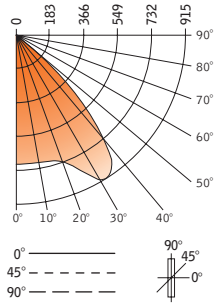
Go to [www.focalpointlights.com](http://www.focalpointlights.com) for additional photometric data.

6" – led downlight  
id®



Filename: FL6DNCD20LEDL30.IES  
Catalog #: FL6D-20LED-L30-R0-T, L6-R0-DN-CD  
Photometric Report #: 21561

CANDLEPOWER DISTRIBUTION



| Vertical Angle | Zonal Lumens |
|----------------|--------------|
| 0°             | 714          |
| 5°             | 714 68       |
| 15°            | 721 206      |
| 25°            | 820 385      |
| 35°            | 917 561      |
| 45°            | 492 371      |
| 55°            | 69 72        |
| 65°            | 17 17        |
| 75°            | 4 5          |
| 85°            | 0 0          |
| 90°            | 0            |

LUMEN SUMMARY

| Zone                   | Lumens             | % Fixt       |
|------------------------|--------------------|--------------|
| 0°-30°                 | 686                | 39.1         |
| 0°-40°                 | 1219               | 72.4         |
| 0°-60°                 | 1662               | 98.7         |
| 0°-90°                 | 1684               | 100.0        |
| <b>Total Luminaire</b> | <b>0°-90° 1684</b> | <b>100.0</b> |

Spacing Criteria:  
1.4