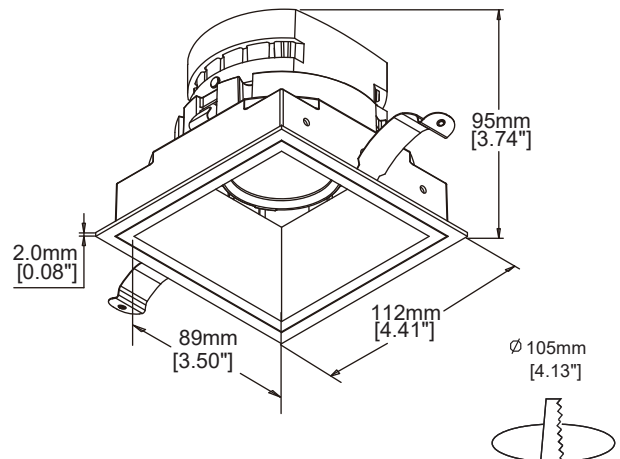


# Specification sheet

REV.4

## Lithe 100 Square, Fixed Down

3.4" Architectural Downlight



### Discription

LTE 100 FD is a 3.4-inch recessed downlight that features a clean and unexcessive aesthetic with a wide range of shapes, trim styles, trim colors, beam angles and accessories. Deep regressed soft-focus lens minimize glare and maintain a clean and undisrupted ceiling space for the architectural aspiration. Installation is hassle-free and all adjustments including trims, optics, and accessories can be done below ceiling after installation. Light engine is removable from flange and flangeless modules after installation to enable field serviceability.

LTE 100 series is Macron's most comprehensive and professional recessed lighting solution for lighting designers. LTE 100 features two lumen packages and extensive choices of functionality and components to accommodate even the most demanding projects.

### Features

|                   |                                                             |
|-------------------|-------------------------------------------------------------|
| LED               | Lumiled Luxeon COB 1204 HD                                  |
| Color temperature | 2700K/ 3000K/ 3500K/ 4000K                                  |
| Optics            | Narrow Spot 10°/Spot 18°/ Medium 34° / Wide 45° / Flood 60° |
| Trim Finishes     | Black / White / Dark Blue / Glod / Haze                     |
| Trim Style        | Bevel / Deep Bevel / Pinhole                                |
| Ceiling Cutont    | 105 x105mm [4.13"x4.13"]                                    |

### Performance

|                   |                                                                              |
|-------------------|------------------------------------------------------------------------------|
| Delivered output  | 1400 lm (80 CRI) / 1200 lm (90 CRI)                                          |
| Power consumption | 17 W                                                                         |
| Color rendering   | 80+CRI (90 CRI optional)                                                     |
| Color consistency | 3 SDCM                                                                       |
| CBCP              | Narrow Spot 17493cd/Spot 5487cd/<br>Medium 3559cd/ Wide 2319cd/ Flood 1920cd |
| Lumen maintenance | L70 50,000 hrs                                                               |

### Electrical and Control

|               |                                     |
|---------------|-------------------------------------|
| Input voltage | See the ordering code               |
| Control       | TRIAC ELV / 0-10V dimming / DALI    |
| Feature       | Overload & short circuit protection |

### Construction

|            |                            |
|------------|----------------------------|
| Material   | Machining grade Aluminum   |
| Trim shape | Square                     |
| Lens       | Interchangeable TIR optics |

### Rating/ Certification/ Warranty

- Dry and damp Locations
- RoHS compliant
- 5 years/ 50,000 hrs warranty

### Ordering Code Information

|                     | PRODUCT           | FLANGE STYLE                            | FLANGE COLOR | COLOR TEMP.      | BEAM ANGLE              | COLOR RENDERING |
|---------------------|-------------------|-----------------------------------------|--------------|------------------|-------------------------|-----------------|
| LIGHTING<br>FIXTURE | <b>LTE100 FD</b>  | <b>SF</b>                               | <b>WH</b>    | <b>27</b>        | <b>S</b>                | <b>8</b>        |
|                     | LTE100 Fixed Down | RF Round Flange                         | WH White     | 27 2700K         | N Narrow Spot / 10 deg. | 8 80+CRI        |
|                     |                   | RL Round Flangeless                     | BK Black     | 30 3000K         | S Spot / 18deg.         | 9 90+CRI        |
|                     |                   | SF Square Flange                        |              | 35 3500K         | M Medium / 34 deg.      |                 |
|                     |                   | SL Square Flangeless                    |              | 40 4000K         | W Wide / 45 deg.        |                 |
|                     |                   |                                         |              |                  | F Floof / 60 deg.       |                 |
|                     | PRODUCT           | TRIM STYLE                              | TRIM SHAPE   | TRIM COLOR       |                         |                 |
| TRIM                | <b>LTE100 TR</b>  | <b>BV</b>                               | <b>SQ</b>    | <b>WHGD</b>      |                         |                 |
|                     | LTE 100 Trim      | BV Bevel                                | SQ Square    | WH White         | BK Black                |                 |
|                     |                   | PH Pinhole(only in white)               |              | WHBK White/Black | BKBL Black/Blue         |                 |
|                     |                   | BVD Deep Bevel                          |              | WHBL White/Blue  | BKGD Black/Gold         |                 |
|                     |                   | BW Bevel Wet location                   |              | WHGD White/Gold  | BKHZ Black/Haze         |                 |
|                     |                   | PW Pinhole Wet location (only in white) |              | WHHZ White/Haze  |                         |                 |

## Photometrics

MULTIPLYING FACTORS: (Multiplying Factor is based on 3000K-90+ CRI IES file on website)

| CCT     | 2700K-80+ | 3000K-80+ | 3500K-80+ | 4000K-80+ |
|---------|-----------|-----------|-----------|-----------|
| Factors | 1.12      | 1.18      | 1.20      | 1.25      |

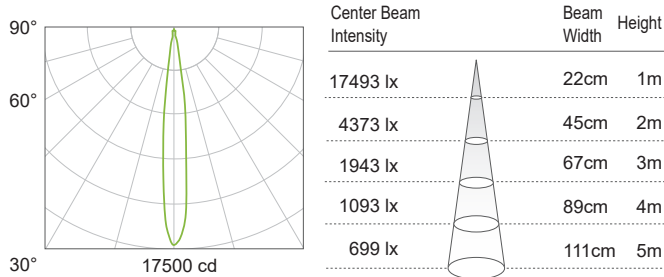
| CCT     | 2700K-90+ | 3000K-90+ | 3500K-90+ | 4000K-90+ |
|---------|-----------|-----------|-----------|-----------|
| Factors | 0.93      | 1.0       | 1.04      | 1.08      |

## Photometrics

Round | 18W | 90CRI | 3000K | Deep Bevel Trim

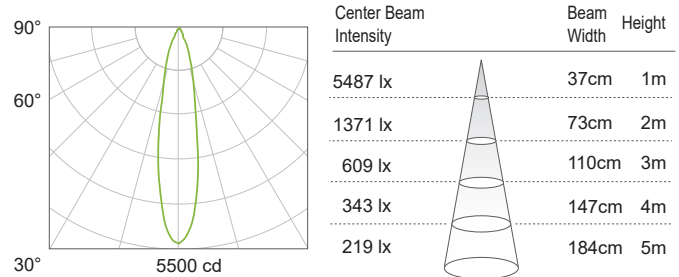
### Narrow Spot 10°

Delivered Output : 1229 lm | CBCP : 17493 cd | Beam Angle : 12°



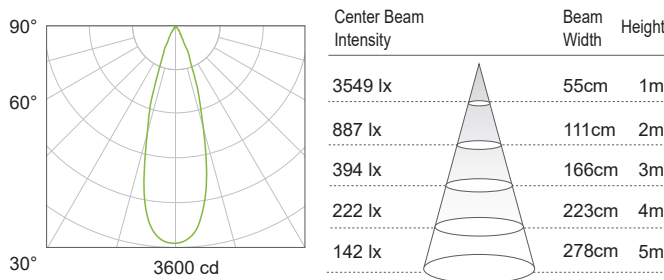
### Spot 18°

Delivered Output : 1281 lm | CBCP : 5487 cd | Beam Angle : 21°



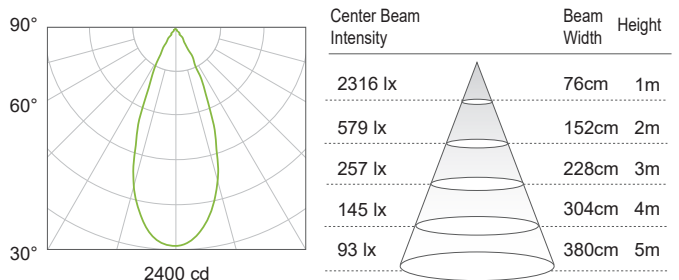
### Medium 34°

Delivered Output : 1259 lm | CBCP : 3559 cd | Beam Angle : 32°



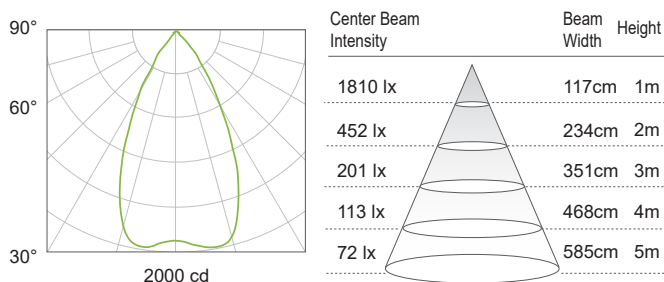
### Wide 45°

Delivered Output : 1234 lm | CBCP : 2319 cd | Beam Angle : 41°



### Flood 60°

Delivered Output : 1636 lm | CBCP : 1920 cd | Beam Angle : 60°



# Lithe 100 Square, Fixed Down

## 3.4" Architectural Downlight

### Recommend LED Driver:

| Driver No.   | Input Voltage | Dimming                       | Note |
|--------------|---------------|-------------------------------|------|
| DAE-3-430-18 | 120-277V      | TRIAC/ELV DIN ON 120V / 0-10V |      |
| DAE-3-500-20 | 120-277V      | TRIAC/ELV DIN ON 120V / 0-10V |      |
| DAE-3-600-25 | 220-240V      | TRIAC/ELV/ 0-10V              |      |
| DD-4-500-20  | 120-277V      | DALI                          |      |

### Optional Accessory

| PRODUCT | ACC.          |                                                                                   | PRODUCT | ACC.           |                                                                                    | PRODUCT | ACC.                  |                                                                                     |
|---------|---------------|-----------------------------------------------------------------------------------|---------|----------------|------------------------------------------------------------------------------------|---------|-----------------------|-------------------------------------------------------------------------------------|
| LTE 100 | CL            |  | LTE 100 | SL             |  | LTE 100 | HCL                   |  |
| LTE 100 | CL Clear Lens |                                                                                   | LTE 100 | SL Solite Lens |                                                                                    | LTE 100 | HCL Honey Comb Louver |                                                                                     |