

EXJ4-LED 4" ARCHITECTURAL HIGH LUMEN LED RETROFIT DOWNLIGHT



2000 LUMENS

PHILIPS
FORTIMO
LED MODULE

Height = 6-9/16"
Trim Aperture = 4"
Cut-out = 4-3/8"
Trim Outside Dia. = 4-7/8"

| INPUT VOLT. | INPUT FREQ. | INPUT CUR. | THD | POWER FACTOR | LUMENS |
|-------------|-------------|-------------|------|--------------|--------|
| 120/277 | 50/60Hz | 266mA/115mA | <20% | >0.9 | 2000 |
| 120/277 | 50/60Hz | 200mA/86mA | <20% | >0.9 | 1200 |
| 120/277 | 50/60Hz | 150mA/65mA | <20% | >0.9 | 900 |

DESCRIPTION - 4" LED dedicated Architectural Retrofit Downlight with new generations of PHILIPS Fortimo LED module which has become one of the leading drivers of the LED lighting industry's standardization activities. ELITE's eco-friendly MAXILUME LED system is Energy Star and California Title 24 compliant. When used within specification, (Tc<65°C; Ta=35°C) lumen maintenance of %70 at 50,000hrs is expected for this module. The Fortimo LED Downlight Module (DLM) System is intended for general lighting applications in the professional market for many applications including offices (representative areas such as receptions, boardrooms, etc.), public buildings (cinemas, restaurants, theaters, airports, exhibition halls), high-end shops, retail (supermarkets, bakery/butcher areas, leather goods, etc.).

FEATURES - The Fortimo LED Downlight Module (DLM) System offers a wide array of features including; A minimum of 80+CRI, Consistent color within 3 MacAdam ellipses, Guaranteed 70% lumen output at 50,000hrs, Cool Beam technology, No outputted UV or IR wavelengths, Mercury free construction, Improved performance of up to 30% when dimming, no required pre-burning, plus much more.



OPTICS - The PHILIPS Fortimo LED module is equipped with a special Fortimo Phosphor technology which enables a breakthrough in LED efficacy. The mixing chamber enables perfectly mixed light, resulting in uniform colors and good color consistency. The function of the diffuser is to shape the light distribution, resulting in a Lambertian beam, a uniformly luminous beam. MAXILUME LED Optilux technology combines unmatched performance with visual comfort which helps minimize brightness and glare.

PERFORMANCE - Operating system delivers 900, 1200 and 2000 lumens with 80+CRI and consistent white light within 3 MacAdam ellipses. Also available in 4 standard color options, 2700K, 3000K, 3500K and 4000K. LED Cool Beam technology gives the added benefit of no heating of illuminated products. Our stringent chip specifications require only those chips that produce no ultra violet and virtually no infrared light. Guaranteed lumen maintenance of 70% at 50,000hrs and tested to LM-79 and LM-80 standards by an independent laboratory.

THERMAL MANAGEMENT SYSTEM - Using a proprietary coolLED Advanced Thermodynamic Design, Die-cast aluminum housing and heat management system are engineered for extremely long life and service period. Heat sink is attached to top of reflector. The LED light engine is attached to the die-cast heat sink and is easily replaceable and upgradable. Our die-cast system pulls the heat from the LED chip, allowing continued cool operation for years. Life tests have shown the MAXILUME light engine output will be maintained at 70% of initial at 50,000hrs of operation.

DIMMABLE - The MAXILUME LED system is fully dimmable down to 1% of initial light output with a 0-10V dimmer when ordered with the following options(DIM10-120, DIM10-277). Dimming with an Amplitude Modulation protocol can improve the efficiency of the Fortimo system by up to 30%. Fixture can be shipped with a Lutron Hi-lume A series driver which can be dimmed with Lutron Dimming Systems when ordered with the following options (LUTH-120, LUTH-277). Consult Factory for details. No audible noise while dimming.

LED DRIVER/JUNCTION BOX - The PHILIPS driver is rated for 50 to 60Hz at 120V /277V input, produces less than 20%THD, and has a power factor between 90% and 100% and is thermally protected for additional safety. PHILIPS driver is installed on the junction box cover so it may be serviced from below the ceiling. UL Listed for through-branch circuit wiring, provided with four 1/2" knockouts, one 3/4" knockout and four Romex knockouts with true pryout slots and strain clamps. Designed for straight through conduit runs.

MOUNTING - Our retrofit is designed to install into an existing downlights mounting frame and convert them into energy efficient LED downlights. Flex is designed to attach into existing junction box.

OUR WORD - The MAXILUME LED lighting system carries a five-year carefree warranty for parts and components. (Labor not included.)

LISTING

c-UL-us - listed for Damp location.
c-UL-us - listed for feed Through Wiring.
LM79 / LM80
U.S. Patent Pending

DIMMING INFORMATION

DIM10 (0-10V Dimming)
LUTH (Lutron® Hi-lume® Dimming)



IEC Standards

- IEC62471: Photobiological safety of lamps and lamp systems
- IEC62031: LED modules for general lighting – safety specification

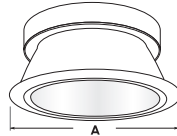
Example: EXJ4-LED-900L-DIM10-120-MD-30K-EX4-4501-CL-WH

| TYPE | 900L SERIES | 1200L SERIES | 2000L SERIES | OPTICS | CCT | EMERGENCY | TRIM TYPE | REFLECTOR/ RING FINISH | DISC | | |
|----------|--|--|--|--------------------------------------|--|----------------------------------|--|---|--|---|--|
| EXJ4-LED | <input type="checkbox"/> 900L-LUTH-120 <input type="checkbox"/> 900L-LUTH-277 <input type="checkbox"/> 900L-DIM10-120 <input type="checkbox"/> 900L-DIM10-277 | <input type="checkbox"/> 1200L-LUTH-120 <input type="checkbox"/> 1200L-LUTH-277 <input type="checkbox"/> 1200L-DIM10-120 <input type="checkbox"/> 1200L-DIM10-277 | <input type="checkbox"/> 2000L-LUTH-120 <input type="checkbox"/> 2000L-LUTH-277 <input type="checkbox"/> 2000L-DIM10-120 <input type="checkbox"/> 2000L-DIM10-277 | <input type="checkbox"/> MD (Medium) | <input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K | <input type="checkbox"/> EMG-LED | <input type="checkbox"/> EX4-4501 <input type="checkbox"/> EX4-4507 <input type="checkbox"/> EX4-4509 <input type="checkbox"/> EX4-4510 <input type="checkbox"/> EX4-4511 <input type="checkbox"/> EX4-4521 | <input type="checkbox"/> EX4-4522 <input type="checkbox"/> EX4-4523 <input type="checkbox"/> EX4-4525 <input type="checkbox"/> EX4-4528 <input type="checkbox"/> EX4-4577 | <input type="checkbox"/> CL-WH <input type="checkbox"/> CL-SCH <input type="checkbox"/> SHZ-SHZ <input type="checkbox"/> SHZ-WH | <input type="checkbox"/> W-WH <input type="checkbox"/> MB-WH <input type="checkbox"/> WT-WH | <input type="checkbox"/> BLUE <input type="checkbox"/> RED <input type="checkbox"/> GREEN <input type="checkbox"/> FROST <input type="checkbox"/> AL <input type="checkbox"/> BZ <input type="checkbox"/> WH |

4 INCH ARCHITECTURAL HIGH LUMEN LED DOWNLIGHT W/ PHILIPS FORTIMO MODULE



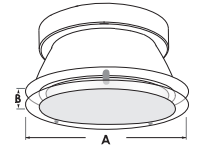
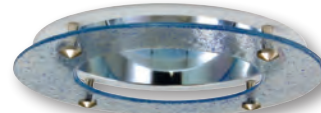
FOR
WET
LOCATION



A = 5-1/2"

EXAMPLE: EX4-4501-CL-WH
EX4-4501 - REFLECTOR WITH DIFFUSE LENS
REFLECTOR/ RING FINISH:

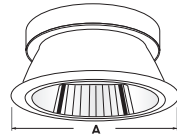
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A = 5-1/2"
B = 1"

EXAMPLE: EX4-4521-CL-WH
EX4-4521 - STARDUST DECO RING GLASS WITH DIFFUSE LENS
REFLECTOR/ RING FINISH:

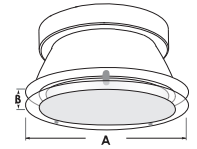
CL-WH CL-SCH WT-WH SHZ-WH WH-WH SHZ-SHZ MB-WH



A = 5-1/2"

EXAMPLE: EX4-4507-CL-WH
EX4-4507 - WALL WASH REFLECTOR WITH DIFFUSE LENS
REFLECTOR/ RING FINISH:

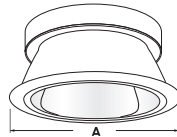
CL-WH CL-SCH WT-WH SHZ-WH WH-WH SHZ-SHZ MB-WH



A = 5-1/2"
B = 1"

EXAMPLE: EX4-4523-CL-WH
EX4-4523 - PRISM DECO RING GLASS WITH DIFFUSE LENS
REFLECTOR/ RING FINISH:

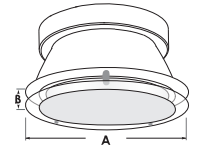
CL-WH CL-SCH WT-WH SHZ-WH WH-WH SHZ-SHZ MB-WH



A = 5-1/2"

EXAMPLE: EX4-4577-CL-WH
EX4-4577 - DOUBLE WALL WASH REFLECTOR WITH DIFFUSE LENS
REFLECTOR/ RING FINISH:

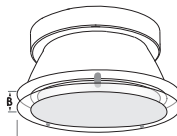
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A = 5-1/2"
B = 1"

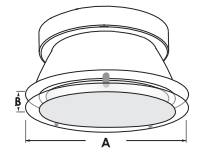
EXAMPLE: EX4-4522-CL-WH
EX4-4522 - EURO DECO RING GLASS WITH DIFFUSE LENS
REFLECTOR/ RING FINISH:

CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



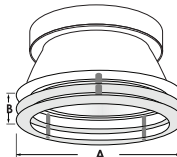
A = 5-1/2"
B = 1"

EXAMPLE: EX4-4509-CL-WH
EX4-4509 - DECO GLASS REFLECTOR WITH DIFFUSE LENS
REFLECTOR/ RING FINISH:
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH
GLASS FINISH:
BLUE, RED, GREEN, FROST



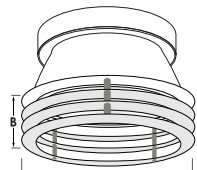
A = 5-1/2"
B = 1"

EXAMPLE: EX4-4525-CL-WH
EX4-4525 - CENTRAL ETCHED FLOAT GLASS WITH DIFFUSE LENS
REFLECTOR/ RING FINISH:
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A = 5-1/2"
B = 1-7/8"

EXAMPLE: EX4-4510-CL-WH
EX4-4510 - DOUBLE RING GLASS WITH DIFFUSE LENS
REFLECTOR/ RING FINISH:
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH
GLASS FINISH:
BLUE, RED, GREEN, FROST



A = 5-1/2"
B = 2-3/4"

EXAMPLE: EX4-4511-CL-WH
EX4-4511 - TRIPLE RING GLASS WITH DIFFUSE LENS
REFLECTOR/ RING FINISH:
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH
GLASS FINISH:
BLUE, RED, GREEN, FROST



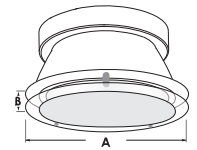
ALUMINIUM
DISC



EX4-4528-CL-W-WH



EX4-4528-CL-WH-BZ



A = 5-1/2"
B = 1"

EXAMPLE: EX4-4528-CL-WH-AL
EX4-4528 - REFLECTOR WITH ALUMINIUM DISC AND DIFFUSE LENS
REFLECTOR FINISH:
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH
DISC FINISH:
AL, WH, BZ

LED
4"

4 INCH ARCHITECTURAL HIGH LUMEN LED DOWNLIGHT W/ PHILIPS FORTIMO MODULE