

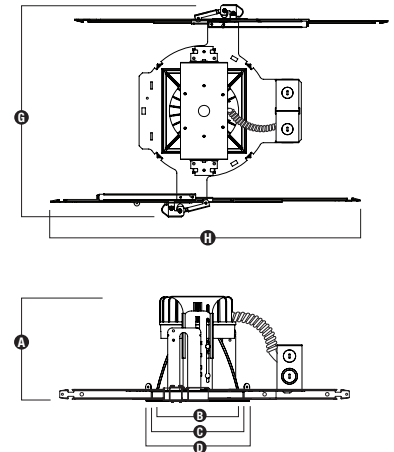
# EX4SQ-LED 4" ARCHITECTURAL LED SQUARE DOWNLIGHT-REMOTE PHOSPHOR



**1100**  
LUMENS

**PHILIPS**  
FORTIMO  
LED MODULE

INPUT VOLT.	INPUT FREQ.	INPUT CUR.	INPUT POWER	THD	POWER FACTOR	LUMENS
120/277	50/60Hz	133mA/57mA	16W(+/-5%)	<20%	>0.9	1100
120/277	50/60Hz	116mA/50mA	14W(+/-5%)	<20%	>0.9	900



- A** Height = 6-3/4"
- B** Trim Aperture = 4"
- C** Cut-out = 4-3/8"
- D** Trim Outside Dia. = 4-7/8"
- E** Width = 16"
- F** Length = 12-1/4"

**DESCRIPTION** - 4" LED dedicated Architectural New Construction Downlight with integral LED heat management casting and driver (installed on junction box). Lighting is smooth and comfortable while using 50% less energy than the common 26W CFL downlight. Plus the eco-friendly MAXILUME LED system, when used within specification, (Tc<65°C; Ta=35°C) lumen maintenance of %70 at 50,000hrs is expected for this module.

**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, 1100 lumens with 80+ CRI and consistent white light within 3 MacAdam ellipses. Also available in 4 standard color options, 2700K, 3000K, 3500K and 4000K. 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 housing. The LED light engine is attached to the die-cast heat sink and is easily replaceable and upgradable. Life tests have shown the Elite light engine output will be maintained at 70% of initial at 50,000hrs of operation.

**LED DRIVER/ JUNCTION BOX** - The LED driver is rated for 50 to 60Hz at 120V and 277V input and has a power factor between 90% and 100%. The Fortimo 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.

**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%.

**MOUNTING FRAME** - Die-formed all die-cast construction for maximum heat dissipation and rust protection.

**MOUNTING BRACKET** - Constructed from 16 gauge steel and is supplied with C-channels that are adjustable up to 28". Mounting brackets maybe adjusted up to 2-3/4" vertically from inside the housing.

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

## LISTING

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

## DIMMING INFORMATION

DIM10 (0-10V Dimming)

Remote Phosphor  
Technology

PHILIPS  
ADVANCE  
Quality LED Drivers

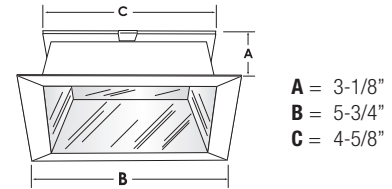
Example: EX4SQ-LED-900L-DIM10-120-30K-EX-4601-CL-WH									
TYPE	900L SERIES	1100L SERIES	CCT	EMERGENCY	OPTION	TRIM TYPE	REFLECTOR/ RING FINISH		
EX4SQ-LED	<input type="checkbox"/> 900L-DIM10-120 <input type="checkbox"/> 900L-DIM10-277	<input type="checkbox"/> 1100L-DIM10-120 <input type="checkbox"/> 1100L-DIM10-277	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K	<input type="checkbox"/> EMG-LED (Must have ceiling access for maintenance)	<input type="checkbox"/> BP31 (C-Channel Bar Hanger)	<input type="checkbox"/> EX-4601 <input type="checkbox"/> EX-4607	<input type="checkbox"/> EX-4614 <input type="checkbox"/> EX-4615	<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

## EX-4601-CL - REFLECTOR



### REFLECTOR/ RING FINISH:

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



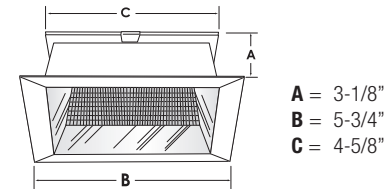
## EX-4607-CL - WALL WASH REFLECTOR WITH LENS



FOR  
**WET**  
LOCATION

### REFLECTOR/ RING FINISH:

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



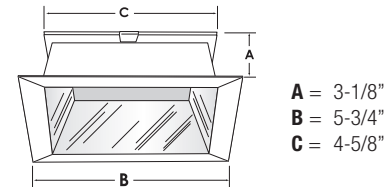
## EX-4614-CL - REFLECTOR WITH FROSTED GLASS LENS



FOR  
**WET**  
LOCATION

### REFLECTOR/ RING FINISH:

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



## EX-4615-CL - REFLECTOR WITH TEMPERED GLASS LENS



FOR  
**WET**  
LOCATION

### REFLECTOR/ RING FINISH:

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

