

4" POPLAR™ DOWNLIGHTING SYSTEM

8W - 12W, 2700K - 5000K, Sunset, 850 lm - 1250 lm

THE POPLAR™ SYSTEM

Maximize options, minimize inventory. Available for New Construction and Remodel in a variety of sizes and styles. The module easily twist-on into a variety of trims and fits into a wide variety of housing.

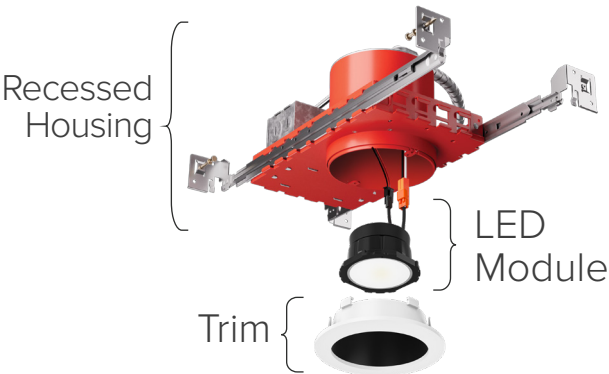


FEATURES

- Integrated 120-277V, 0-10V, Triac, ELV driver dims to 1%
- Frosted lens diffuses light while reducing glare
- Compatible with E26, GU10, or GU24 base housings with PSA30, PSA31, or PSA35 socket adapters (sold separately)
- Title 24 JA8-2022 E-Compliant
- Covered by U.S. PATENTS and Patents Pending

SET UP

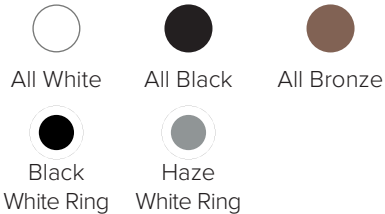
1. Select a New Construction, Remodel Housing, or Retrofit Socket Adapter.
2. Select Poplar™ LED Module.
3. Select a Trim.



SPECIFICATIONS

	
Lumens/Wattage	850 lm (8W), 1000 lm (10W), 1250 lm (12W)
Voltage	120-277V
	
Color Temp.	2700K, 3000K, 3500K, 4000K, 5000K
CRI	90+
Wet Location	UL Listed Fixed Trims
Dimming	Triac/ELV/0-10V (1%)
Beam Angle	90°+ Ambient

Finishes



PRODUCT NUMBER BUILDER

STEP 1. Specify Housing part number (Select one)

Example: EL490ICA

4" IC AIRTIGHT RECESSED HOUSINGS

ITEM	STLYE	VOLTAGE/DIMMING	OPTIONAL EMERGENCY BATTERY BACKUP
E			
Standard New Construction/Remodel Housings			
L490¹	Standard New Construction (5 ½" Height)	ICA IC Airtight 120-277V - Triac/ELV	(Blank) No Battery Backup
L490R²	Standard Remodel (5 ½" Height)	ICDXA IC Airtight 120-277V - 0-10V/Triac/ELV	-EM5⁴ 90 min., 25W MAX
L492³	Shallow New Construction (3 ½" Height)		
L492R³	Shallow Remodel (3 ½" Height)		
¹ Collar adjustable up to 2 ¼" ceiling thickness ² Collar adjustable up to 1 ¼" ceiling thickness ³ Collar adjustable up to 1 ½" ceiling thickness			⁴ Accessible from below the ceiling
R-60 Foam Insulation New Construction Housings			
L490AJ¹	Standard New Construction (5 ½" Height)	ICA IC Airtight 120-277V - Triac/ELV ICDXA IC Airtight 120-277V - 0-10V/Triac/ELV	
¹ Collar adjustable up to 1 ½" ceiling thickness			
New Construction/Remodel 2-Hr Fire Rated Dedicated LED Housings			
JB4	New Construction 2-Hour Fire Junction Box (4 ½" Height)	ICA IC Airtight 120-277V - Triac/ELV	(Blank) No Battery Backup
JB4R	Remodel 2-Hour Fire Junction Box (4 ½" Height)	ICDXA IC Airtight 120-277V - 0-10V/Triac/ELV	-EM5¹ 90 min., 25W MAX
JB483	New Construction 2-Hour Fire Junction Box (4 ½" Height)		
JB4CNC	Concrete Pour 2-Hour Fire Junction Box (4 ½" Height)	(Blank) 120-277V - 0-10V/Triac/ELV	
			¹ Accessible from below the ceiling

Socket Adapters for Retrofitting Existing ELCO Housings (Adapters to male Quick Connect)

PSA30

E26 Medium
Base Adapter

PSA31

GU10 Base
Adapter

Oversize Ring

ELJ40V

Oversize Ring for use with EJB4R to cover tabs

PRODUCT NUMBER BUILDER

STEP 2. Specify Poplar™ LED Module part number

Example: ELP11CT5DX

ITEM	LUMENS/WATTAGE	COLOR TEMPERATURE	VOLTAGE/DIMMING
ELP			
ELP	11¹ 850 lm (8W), 1100 lm (10W), 1250 lm (12W)	CT5² 2700K, 3000K, 3500K, 4000K, 5000K	DX 120-277V - 0-10V/Triac/ELV down to 1%
	¹ Lumen Switch 	² Color Temperature Switch 	

PRODUCT NUMBER BUILDER

STEP 3. Specify Trim part number (Select one)

4" FLEXA™ ROUND TRIMS



Style: **Reflector**

Item: **ELL4621WW** (All White)
ELL4621BB (All Black)
ELL4621BZ (All Bronze)
ELL4621BW (Black/White Ring)
ELL4621HW (Haze/White Ring)



Style: **Baffle**

Item: **ELL4623WW** (All White)
ELL4623BB (All Black)
ELL4623BW (Black/White Ring)

4" FLEXA™ SQUARE TRIMS



Style: **Reflector**

Item: **ELL4641WW** (All White)
ELL4641BB (All Black)
ELL4641BZ (All Bronze)
ELL4641BW (Black/White Ring)
ELL4641HW (Haze/White Ring)



Style: **Baffle**

Item: **ELL4643WW** (All White)
ELL4643BB (All Black)
ELL4643BZBZ (All Bronze)
ELL4643BW (Black/White Ring)

4" UNIQUE™ ROUND TRIMS



Style: **Reflector**

Item: **ELL4810W** (All White)
ELL4810B (All Black)
ELL4810BZ (All Bronze)



Style: **Wall Wash Reflector**

Item: **ELL4815W** (All White)
ELL4815B (All Black)
ELL4815BZ (All Black)



Style: **Deep Reflector**

Item: **ELL4817W** (All White)
ELL4817BZ (All Bronze)

4" UNIQUE™ SQUARE TRIMS



Style: **Reflector**

Item: **ELL4814W** (All White)
ELL4814B (All Black)
ELL4814BZ (All Bronze)



Style: **Baffle**

Item: **ELL4816W** (All White)
ELL4816BZ (All Bronze)



Style: **Deep Reflector**

Item: **ELL4818W** (All White)
ELL4818BZ (All Bronze)

4" UNIQUE™ ROUND TRIMLESS



Style: **Reflector**

Item: **ELL430W** (All White)
ELL430B (All Black)
ELL430BZ (All Bronze)
Spackle frame included

PRODUCT DIMENSIONS

4" POPLAR™ IC AIRTIGHT HOUSINGS

STANDARD NEW CONSTRUCTION HOUSING

5 1/2"

4 1/8"

5 7/8"

8 5/8"

*7 1/2" - 12" for EL485ICA-EM7

EL490ICA

EL490ICDXA

STANDARD REMODEL HOUSING

5 1/2"

4"

4 1/4"

9 1/2"

EL490RICA

EL490RICDXA

SHALLOW NEW CONSTRUCTION HOUSING

5 1/2"

4 1/4"

5 7/8"

8 5/8"

EL492ICA

EL492ICDXA

SHALLOW REMODEL HOUSING

3 1/2"

4"

4 1/4"

11"

EL492RICA

EL492RICDXA

NEW CONSTRUCTION HOUSING FOR 2-HOUR FIRE RATED CEILINGS

4 1/2"

4"

5 1/8"

8 1/2"

EJB4ICA

EJB4ICDXA

REMODEL HOUSING FOR 2-HOUR FIRE RATED CEILINGS

4 1/2"

4"

4"

EJB4RICA

EJB4RICDXA

R-60 FOAM INSULATED NEW CONSTRUCTION HOUSING

5 1/2"

4 1/4"

7 3/4"

12"

EL490AJICA

EL490AJICDXA

NEW CONSTRUCTION HOUSING FOR 2-HOUR FIRE RATED CEILINGS

4 1/8"

4"

4 3/4"

4 3/4"

EJB483ICA

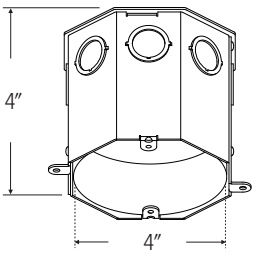
EJB483ICDXA

PRODUCT DIMENSIONS

4" POPLAR™ IC AIRTIGHT HOUSINGS

STANDARD POPLAR™ LED MODULE

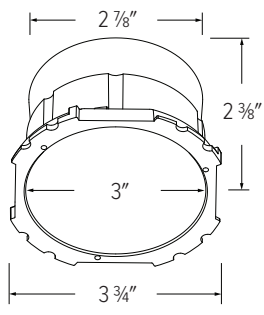
CONCRETE POUR JUNCTION BOX



EJB4CNC



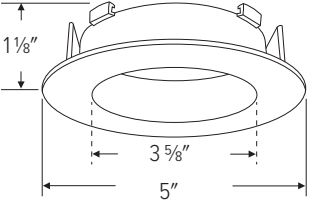
ELP11CT5DX
STANDARD POPLAR™ LED MODULE





FLEXA™ TRIMS

ELL4621 - 4" ROUND REFLECTOR

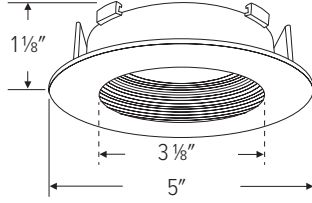


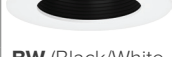
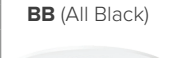




WW (All White) BW (Black/White Ring)
BB (All Black) HW (Haze/White Ring)
BZBZ (All Bronze)

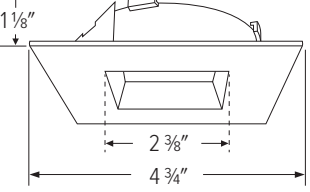
ELL4623 - 4" ROUND BAFFLE



WW (All White) BW (Black/White Ring)
BB (All Black) BW (Black/White Ring)

ELL4641 - 4" SQUARE REFLECTOR

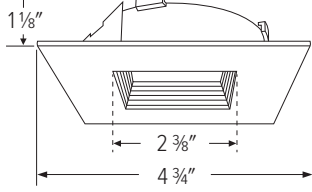






WW (All White) BW (Black/White Ring)
BB (All Black) HW (Haze/White Ring)
BZBZ (All Bronze)

ELL4643 - 4" SQUARE BAFFLE



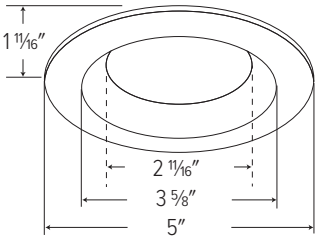



WW (All White) BW (Black/White Ring)
BB (All Black) BZBZ (All Bronze)

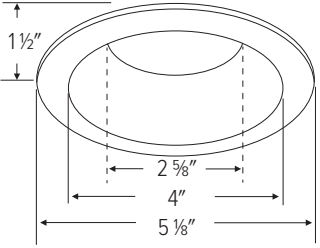
PRODUCT DIMENSIONS

UNIQUE™ TRIMS

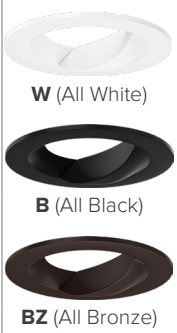
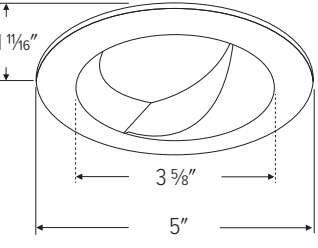
ELL4810 - 4" ROUND REFLECTOR



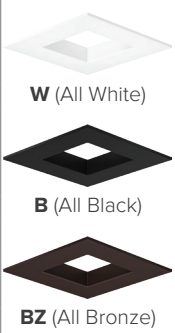
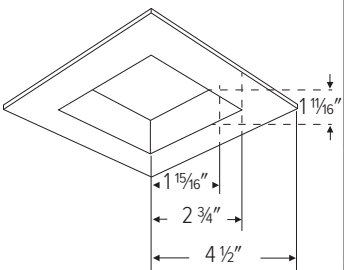
ELL4817 - 4" DEEP REFLECTOR



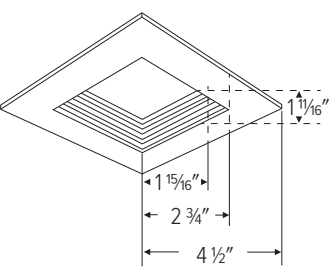
ELL4815 - 4" ROUND WALL WASH REFLECTOR



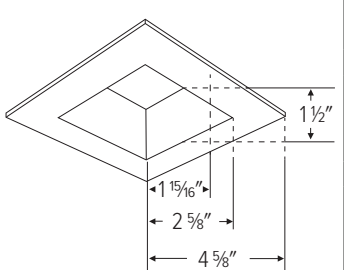
ELL4814 - 4" SQUARE REFLECTOR



ELL4816 - 4" SQUARE BAFFLE

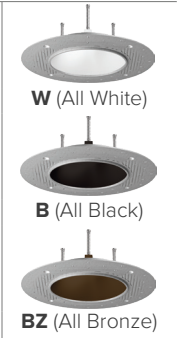
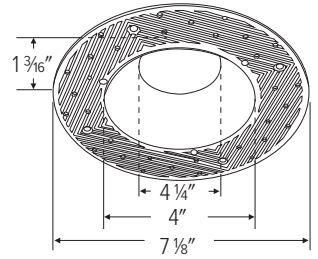


ELL4818 - 4" SQUARE DEEP REFLECTOR



UNIQUE™ TRIMLESS

ELL430 - 4" TRIMLESS REFLECTOR



ACCESSORIES

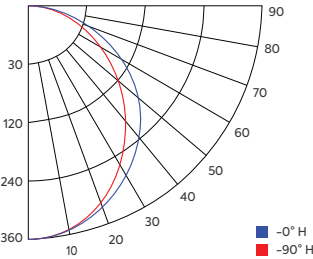
ACCESSORIES FOR RETROFITS (socket adapters for retrofitting existing housings - adapters to male Quick Connect)

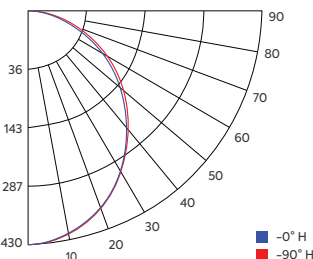
Medium Base Adapter	GU10 Base Adapter
	
PSA30 Socket adapter medium base to LED Quick Connect	PSA31 Socket adapter GU10 to LED Quick Connect

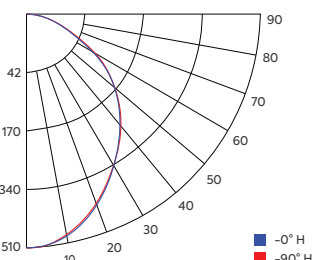
TECHNICAL DETAILS

- Optics:** Frosted polycarbonate module lens diffuses light evenly throughout while reducing glare with LED technology. Standard lens is shaterproof.
- Construction (Light Engine):** Diecast module houses LED chip, reflector, diffuser and heat sink. Smooth lens provides even illumination.
- Installation (Light Engine):** Twist-on design for toolless trim installation. For use with 4" and 6" Flexa™ and Unique™ Trims.
- Hanger Bars:** Pre-installed hanger bars with True Nail easy installation in regular lumber, engineered lumber, and laminated beams. Integral T-bar slots for easy installation in T-bars. Spans up 24" and can be repositioned 90°. Score lines allow for tool-free hanger bar size reduction. Integral leveling flange allows for single-person installation while easily aligning the housings with the joists.
- LED Technology:** Extremely accurate Color Rendering Index of 90+. Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results. Superior Thermal Management by utilizing integrated heat sink. Instant On to Full Brightness technology. No LED pixilation.
- Electrical:** Integral driver is rated for 120/277V Input with a power factor greater than 0.9.
- Dimming:** 120V Triac/ELV/0-10V dimming, 277V 0-10V dimming down to 1%.
- Listings:** UL and cUL Listed for Damp Locations. UL and cUL Listed for Wet Location with Wet location trims. RoHS Compliant. Meets Energy Star & California Title 24 JA8-2022-E standards.
- Warranty:** ELCO Products are built to last with a 5-year Limited warranty.

POPLAR™ LED MODULE

PHOTOMETRIC REPORT	CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELP11CT5DX (8W & 3000K) Wattage / Lumens: 8W / 800 lm Luminaire LPW: 0.12 lm/W 	Degres s Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
	0	353	4'	22.1	7.6'
	5	354	6'	9.82	11.4'
	15	338	8'	5.52	15.2'
	25	302	10'	3.53	19.0'
	35	247	ZONAL LUMEN SUMMARY		
	45	187			
	55	131	Zone	Lumens	%Luminaire
	65	84	0-30°	255.8	34.2
	75	45	0-40°	398.2	53.2
	85	15	0-60°	631.4	84.3
	90	4	0-90°	748.5	100

PHOTOMETRIC REPORT	CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELP11CT5DX (10W & 3000K) Wattage / Lumens: 10W / 1050 lm Luminaire LPW: 99 lm/W 	Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
	0	426	4'	26.6	7.6'
	5	421	6'	11.8	11.4'
	15	392	8'	6.66	15.2'
	25	339	10'	4.26	19.0'
	35	268	ZONAL LUMEN SUMMARY		
	45	197			
	55	134	Zone	Lumens	%Luminaire
	65	81	0-30°	307.6	34.4
	75	38	0-40°	477.9	53.5
	85	6	0-60°	755.3	84.6
	90	2	0-90°	893.1	100

PHOTOMETRIC REPORT	CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELP11CT5DX (12W & 3000K) Wattage / Lumens: 12W / 1150 lm Luminaire LPW: 88 lm/W 	Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
	0	503	4'	31.4	7.6'
	5	496	6'	14.0	11.4'
	15	458	8'	7.86	15.3'
	25	393	10'	5.03	19.1'
	35	297	ZONAL LUMEN SUMMARY		
	45	213			
	55	141	Zone	Lumens	%Luminaire
	65	82	0-30°	364.9	34.3
	75	35	0-40°	566.7	53.3
	85	5	0-60°	897.4	84.4
	90	2	0-90°	1,063.3	100