

6" 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.

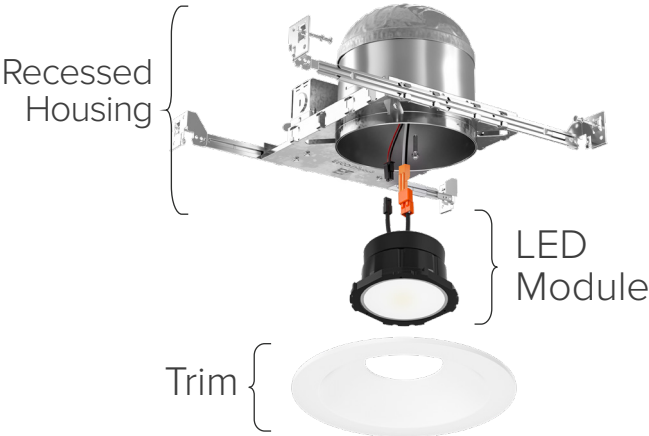


FEATURES

- 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

	LUMEN Switch
Lumens/Wattage	850 lm (8W), 1000 lm (10W), 1250 lm (12W)
Voltage	120-277V
	CCT SWITCH
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	All White	All Black	All Bronze
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PRODUCT NUMBER BUILDER

STEP 1. Specify Housing part number (Select one)

Example: EL75FICAS-EM5

6" IC AIRTIGHT RECESSED HOUSINGS

ITEM	HEIGHT	HOUSING	VOLTAGE/DIMMING	OPTIONAL EMERGENCY BATTERY BACKUP
EL7				
	70 ¹ 7" Height 60 ¹ 5 1/2" Height	(Blank) New Construction R Remodel	ICA IC Airtight 120-277V - Triac/ELV ICDXA IC Airtight 120-277V - 0-10V/ Triac/ELV	(Blank) No Battery Backup -EM5 ⁴ 90 min., 25W MAX
Standard 2-Hr Fire Rated Dedicated LED Housings				
	6F ^{1,2,3} 7 3/4" Height	(Blank) New Construction	ICA IC Airtight 120-277V - Triac/ELV ICDXA IC Airtight 120-277V - 0-10V/ Triac/ELV	(Blank) No Battery Backup -EM5 ² 90 min., 25W MAX
Shallow 2-Hr Fire Rated Dedicated LED Housings				
	5F ^{1,2,3} 6 3/16" Height	(Blank) New Construction	ICAS IC Airtight 120-277V - Triac/ELV ICDXAS IC Airtight 120-277V - 0-10V/ Triac/ELV	(Blank) No Battery Backup -EM5 ⁴ 90 min., 25W MAX
¹ IC Airtight for direct contact with insulation ² STC/IIC Sound Rated - Integrated non-combustible insulation acts as a sound barrier minimizing sound transfer between floors ³ For New Construction only				⁴ Accessible from below the ceiling

Socket Adapters for Retrofitting Existing Housings (Adapters to male Quick Connect)	
PSA30 E26 Medium Base Adapter	PSA31 GU10 Base Adapter

PRODUCT NUMBER BUILDER

STEP 2. Specify Poplar™ LED Module part number

Example: ELP11CT5DX

ITEM	LUMENS/WATTAGE	COLOR TEMPERATURE	VOLTAGE/DIMMING
ELP			
ELP	11 ¹ 850 lm (8W), 1100 lm (10W), 1250 lm (12W)	CT5 ² 2700K, 3000K, 3500K, 4000K, 5000K	DX 120-277V - 0-10V/Triac/ELV
	¹ Lumen Switch 	² Color Temperature Switch 	

STEP 3. Specify Trim part number (Select one)

6" UNIQUE™ ROUND TRIMS

		
Style: Reflector Item: ELL6810W (All White) ELL6810B (All Black) ELL6810BZ (All Bronze)	Style: Baffle Item: ELL6813W (All White) ELL6813BZ (All Bronze)	Style: Wall Wash Item: ELL6815W (All White) ELL6815B (All Black) ELL6815BZ (All Bronze)

PRODUCT DIMENSIONS

6" POPLAR™ IC AIRTIGHT HOUSINGS

STANDARD NEW CONSTRUCTION HOUSING

EL770ICA

EL770ICDXA

STANDARD REMODEL HOUSING

EL770RICA

EL770RICDXA

SHALLOW NEW CONSTRUCTION HOUSING

EL760ICA

EL760ICDXA

SHALLOW REMODEL HOUSING

EL760RICA

EL760RICDXA

2-HOUR FIRE RATED HOUSINGS

EL76FICA

EL76FICDXA

REMODEL HOUSING FOR 2-HOUR FIRE RATED CEILINGS

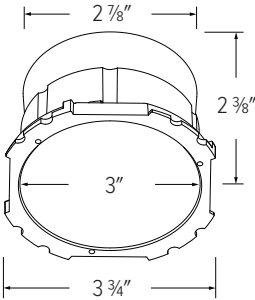
EL75FICAS

EL75FICDXAS

PRODUCT DIMENSIONS

STANDARD POPLAR™ LED MODULE

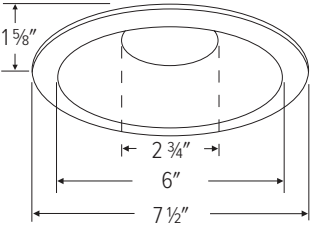
ELP11CT5DX
STANDARD POPLAR™ LED MODULE





UNIQUE™ TRIMS

ELL6810 - 6" ROUND REFLECTOR





W (All White)

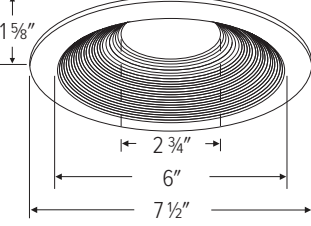


B (All Black)



BZ (All Bronze)

ELL6813 - 6" ROUND BAFFLE



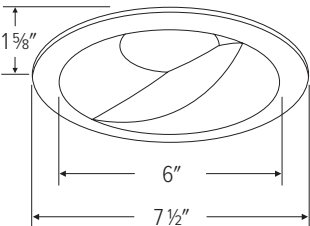


W (All White)



BZ (All Bronze)

ELL6815 - 6" ROUND WALL WASH





W (All White)



B (All Black)



BZ (All Bronze)

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
- 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 / 1 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: 9W / 893 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 / 1063 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