ID+ 4.5" x 4.5" Trimless



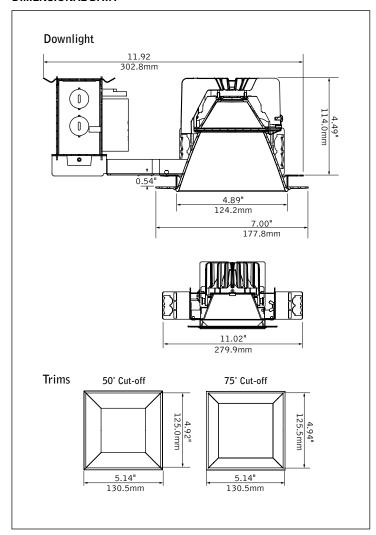
FOCAL POINTS





DIMENSIONAL DATA

LED DOWNLIGHT



FEATURES

Field adjustability of ceiling thickness from 0.5" to 3.0".

50° or 75° cutoff to light source and its image.

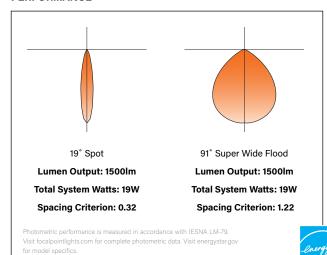
Right Light: Standard delivered lumen outputs 1000, 1500, 2000, 2500, and 3000.

Warm Dim: Lighting that enhances spaces with a warm glow, reminiscent of incandescent or halogen light sources.

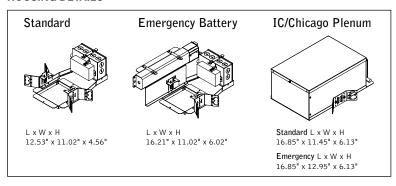
PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

Available with The Naturals, a series of finishes that exude biophilic beauty.

PERFORMANCE



HOUSING DETAILS



HOUSING SPECIFICATIONS

Construction

Thermally protected housing for new construction applications. Insulation to be kept 3" away from housing. Type IC inherently protected, suitable for direct contact with insulation. Butterfly brackets allow mounting to 1/2" emt. Order bar hangers as an accessory. Die-cast aluminum heat sink designed for maximum thermal dissipation. Die-formed housing and integral junction box with (7) 1/2" pry-outs. T-rated: UL & cUL Listed for (6) #14 AWG (3 in, 3 out) 90°C conductors and feed through-branch wiring. IC/CP housing: UL & cUL Listed for (8) #12 AWG (4 in, 4 out) 90°C conductors and feed through-branch wiring for IC/ CP housing. Accommodates ceiling thicknesses up to 0.5" standard, field adjustable up to 3.0" thickness. For thicker ceiling consult factory. Order TZB option for TechZone compatible housing brackets. T-rated housing will not exceed 6lb, IC/CP housing will not exceed 12lb.

Electrical

Choice of constant current dimming drivers. Power factor > .9 typical. PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

Emergency

Emergency Battery Pack: Bodine BSL17C-C2. Emergency output -7W for 90 minutes. Maximum mounting height: 25.8ft. (Black reflector: 18.0ft.) Not wet location or outdoor rated.

UL and cUL Listed. Suitable for Dry, Damp or Wet Locations, indoor use only. Specify Outdoor rated (OD) for outdoor recessed ceiling applications.

Lumen Maintenance

Reported: L70 at >55,000 hours Calculated: L70 at 204,000 hours L90 at >55,000 hours L90 at 59,000 hours Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty

LED System rated for operation in ambient environments up to 25°C. 5-year limited warranty. Fixture with Outdoor rated option must be installed in a covered ceiling and is warrantied for operation in ambient environments between -20°C to +40°C.

TRIM & LED SPECIFICATIONS

LED System

Proprietary array incorporates premium LEDs on a robust platform. May be specified in 2700K, 3000K, 3500K or 4000K, 80+ CRI or 90+ CRI. 3500K and 4000K with CRI>90 have a cyanosis observation index (COI) of 3.3 or less. Color accuracy within 2 SDCM. Aluminum heat sink provides appropriate thermal management.

Aesthetics

Torsion springs pull single molded die-cast trim right to the ceiling with no visible fasteners within the trim. The Naturals: 100% low VOC vinyl.

Optics

50-degree or 75-degree cut-off to light source and its image.

Op- tic	Cut-Off Degree	Lumen Output	Distribution Beam Spread Spacing Criteria						
tic			SP	NFL	FL1	FL2	WFL	VWFL	SWFL
DN	50°	1000- 2500	19° .32	23° .40	34° .56	46° .74	57° .92	68° 1.02	-
		3000	-	25° .44	39° .64	48° .76	57° .92	68° 1.02	-
DSS	∠ 75°	1000- 2500	-	-	-	-	-	70° 1.03	91° 1.22
		3000	-	-	-	-	-	71° 1.02	91° 1.22

PERFORMANCE CHART* - see page 3.

HOUSING ORDERING		EL C44D
Housing Series ID+ 4.5" Square Downlight	FLC44D	FLC44D
Trim Type Square Trimless	ST	ST
Color Options Standard White, 80 & 90 CRI Warm Dim	SW WDM	
(1500 & 2000 lumens only. UNV & EM not available.) Lumen Output	VVDIVI	
1000 Lumens 1500 Lumens	1000L 1500L	
2000 Lumens	2000L	
2500 Lumens 3000 Lumens	2500L 3000L	
(Not available with SP distribution or LFP.) Voltage		
UNV 120V/277V (IC housing only. Not available with LFP.)	UNV	
120V 277V	120 277	
Low Voltage	LV	
(IC housing: 2000L max. T & TW housings: 1000L only.) Control System & Dimming Level		
0-10V - 0% Dimming 0-10V - 1% Dimming	LZ1 L11	
0-10V - 10% Dimming	LD1	
Low Voltage, PoE compatible (No driver. Not available with EM. LV Voltage only.)	LVN	
Forward Phase (120V only) Lutron Hi-Lume EcoSystem (LDE1) -	LFP	
1% Dimming	LH1	
DALI - 0% Dimming DALI - 1% Dimming	DZ1 D11	
Housing Type IC Rated / Airtight	IC	
(L11, LD1, LVN, LH1 2000L max. LZ1, D11, DZ1, LFP 1500L max.		
LC44AT requied for Airtight. Not available with EM.) Thermally Protected, Non-IC	<u>T</u>	
Thermally Protected, Non-IC Wood (Wood ceiling installation kit required)	TW	
Factory Options Bar Hangers	ВН	
Chicago Plenum	CP	
Emergency Battery* (Must order LC44EM trim. Not wet location, airtight or outdoor	™ EIVI	
outdoor Rated	OD	
(LD1 driver only. IC housing 1500L max. See dimming Performance Chart on page 3.)		
TRIM & LED MODULE		
Aperture		
Aperture 4.5" Square Reflector	LC44	
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating)	LC44AT	
4.5" Square Reflector 4.5" Square Reflector - Airtight (Ic housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option DN optic only.	LC44AT	
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optic only. Not wet location, airtight or outdoor rated.) Trim Type	*LC44EM	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option DN optio only. Not wet location, airtight or outdoor rated)	LC44AT	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optic only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match)	LC44AT *LC44EM SDT	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight (Required for "EM" option DN optic only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 1500 Lumens	*LC44EM *DT 1000L 1500L	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optic only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 1500 Lumens 2000 Lumens 2500 Lumens	*LC44EM *DT 1000L 1500L 2000L 2500L	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optic only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 1500 Lumens 2000 Lumens	*LC44EM *DT 1000L 1500L 2000L	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optic only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 1500 Lumens 2000 Lumens 2000 Lumens (Not available with SP distribution) Color Temperature	*LC44EM *DT 1000L 1500L 2000L 2500L 3000L	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optic only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 1500 Lumens 2500 Lumens 2500 Lumens 3000 Lumens (Not available with SP distribution) Color Temperature 2700K, 80+ CRI or 90+ CRI 3000K, 80+ CRI or 90+ CRI	*LC44AT *LC44EM SDT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optic only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 1500 Lumens 2000 Lumens 2500 Lumens 3000 Lumens (Not available with SP distribution) Color Temperature 2700K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI	*LC44AT *LC44EM SDT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 35K or 935K 40K or 940K	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option DN optic only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 1500 Lumens 2000 Lumens 2500 Lumens 3000 Lumens (Not available with SP distribution) Color Temperature 2700K, 80+ CRI or 90+ CRI 3000K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI	*LC44AT *LC44EM SDT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 35K or 935K	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optic only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 1500 Lumens 2000 Lumens 2000 Lumens 2500 Lumens 3000 Lumens 3000 Lumens 4000 Lumens 3000 Lumens 3000 Lumens 4000 Lumens 40	*LC44AT *LC44EM SDT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 35K or 935K 40K or 940K	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optio only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 2500 Lumens 2500 Lumens 2500 Lumens (Not available with SP distribution) Color Temperature 2700K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI Warm Dim: 2700-1800K, 90+ CRI (1500 & 2000 lumens only) Warm Dim: 3000-1800K, 90+ CRI (1500 & 2000 lumens only) Optic	*LC44AT *LC44EM SDT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 35K or 935K 40K or 940K 92718W 93018W	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optic only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 1500 Lumens 2500 Lumens 2500 Lumens 3000 Lumens (Not available with SP distribution) Color Temperature 2700K, 80+ CRI or 90+ CRI 3000K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI	*LC44AT *LC44EM SDT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 35K or 935K 40K or 940K 92718W	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option DN optio only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 2000 Lumens 2000 Lumens 2000 Lumens 2000 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 3000 Lumens Rota available with SP distribution) Color Temperature 2700K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI (1500 & 2000 lumens only) Warm Dim: 2700-1800K, 90+ CRI (1500 & 2000 lumens only) Optic Downlight Super Short Cone with Solite Lens 75" cut-off (WWFL or SWFL only)	LC44AT *LC44EM SDT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 35K or 935K 40K or 940K 92718W 93018W DN	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optic only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 2500 Lumens 2000 Lumens 2500 Lumens 2500 Lumens 2700 Lumens 2700 Lumens 3000 Lumens 4000 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 2600 Lumens 2700 Lumens 2700 Lumens 2700 Lumens 2800 Lumens 2800 Lumens 2900 Lumens 2000 Lumens 3000 Lumens 2000 Lumens 3000 Lumens 3000 Lumens 2000 Lumens 2000 Lumens 3000 Lumens 3000 Lumens 3000 Lumens 2000 Lumens 3000 Lumens 3000 Lumens 3000 Lumens 3000 Lumens 3000 Lumens 2000 Lumens 3000 Lumens	LC44AT *LC44EM SDT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 36K or 936K 40K or 930K 92718W 93018W DN DSS SP	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN option only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 2600 Lumens 2700 K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI (1500 & 2000 lumens only) Warm Dim: 3000-1800K, 90+ CRI (1500 & 2000 lumens only) Warm Dim: 3000-1800K, 90+ CRI (1500 & 2000 lumens only) Distribution Spot Narrow Flood Flood 1	LC44AT *LC44EM SDT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 35K or 935K 40K or 940K 92718W 93018W DN DSS SP NFL FL1	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight (IC housing required for Airtight (Required for EMP option. DN optic only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 2000 Lumens 2000 Lumens 2000 Lumens 2000 Lumens 2000 Lumens 2000 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 3000 Lumens 4000 Femperature 2700 K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI (1500 & 2000 lumens only) Warm Dim: 2700-1800K, 90+ CRI (1500 & 2000 lumens only) Optic Downlight Super Short Cone with Solite Lens 75° cut-off (WWFL or SWFL only) Distribution Spot	LC44AT *LC44EM SDT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 36K or 935K 40K or 940K 92718W 93018W DN DSS SP NFL	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight (IC housing required for Airtight (Required for EMP option. DN option only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 2500 Lumens 2500 Lumens 2500 Lumens (Not available with SP distribution) Color Temperature 2700K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI (1500 & 2000 lumens only) Warm Dim: 2700-1800K, 90+ CRI (1500 & 2000 lumens only) Optic Downlight Super Short Cone with Solite Lens 75" cut-off (IWFL or SWFL only) Distribution Spot Narrow Flood Flood 1 Flood 2 Wide Flood Very Wide Flood	LC44AT *LC44EM *DT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 35K or 935K 40K or 940K 92718W 93018W DN DSS SP NFL FL1 FL2 WFL VWFL	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optic only, Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 2600 Lumens 2700 Lumens 3000 Lumens 2500 Lumens 3000 Lumens 4000 Lumens 2500 Lumens 2600 Lumens 2700K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI 500K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI 500K, 80+ CRI or 90+ CRI 61500 & 2000 lumens only) Warm Dim: 2700-1800K, 90+ CRI (1500 & 2000 lumens only) Optic Downlight Super Short Cone with Solite Lens 75° cut-off (WFL or SWFL only) Distribution Spot Narrow Flood Flood 1 Flood 2 Wide Flood Very Wide Flood Super Wide Flood (DSS Optic only) Color	LC44AT *LC44EM SDT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 35K or 935K 40K or 940K 92718W 93018W DN DSS SP NFL FL1 FL2 WFL	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optic only, Not wet location, airight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 1500 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 2600 Lumens 2700K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI (1500 & 2000 lumens only) Warm Dim: 2700-1800K, 90+ CRI (1500 & 2000 lumens only) Warm Dim: 3000-1800K, 90+ CRI (1500 & 2000 lumens only) Doptic Downlight Super Short Cone with Solite Lens 75° cut-off (VWFL or SWFL only) Distribution Spot Narrow Flood Flood 1 Flood 2 Wide Flood Very Wide Flood Super Wide Flood (DSS Optic only)	LC44AT *LC44EM *DT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 35K or 935K 40K or 940K 92718W 93018W DN DSS SP NFL FL1 FL2 WFL VWFL	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optio only, Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 1500 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 2600 Lumens 2700 K, 80+ CRI or 90+ CRI 3000K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI (1500 & 2000 lumens only) Warm Dim: 2700-1800K, 90+ CRI (1500 & 2000 lumens only) Warm Dim: 3000-1800K, 90+ CRI (1500 & 2000 lumens only) Doptic Downlight Super Short Cone with Solite Lens 75° cut-off (WFL or SWFL only) Distribution Spot Narrow Flood Very Wide Flood Super Wide Flood (Dss Optic only) Color (See finishes page for The Naturals options) Clear Diffuse Warm Diffuse	LC44AT *LC44EM SDT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 35K or 935K 40K or 940K 92718W 93018W DN DSS SP NFL FL1 FL2 WFL VWFL SWFL CD WD	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN option only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 2500 Lumens (Not available with SP distribution) Color Temperature 2700K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI 2700-1800K, 90+ CRI (1500 & 2000 lumens only) Warm Dim: 2700-1800K, 90+ CRI (1500 & 2000 lumens only) Warm Dim: 3000-1800K, 90+ CRI (1500 & 2000 lumens only) Optic Downlight Super Short Cone with Solite Lens 75° cut-off (VWFL or SWFL only) Distribution Spot Narrow Flood Flood 1 Flood 2 Wide Flood Very Wide Flood Super Wide Flood (DSS Optic only) Color (See finishes page for The Naturals options) Clear Diffuse	LC44AT *LC44EM SDT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 35K or 935K 40K or 940K 92718W 93018W DN DSS SP NFL FL1 FL2 WFL SWFL CD	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optio only. Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 2500 Lumens (Not available with SP distribution) Color Temperature 2700K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI (1500 & 2000 lumens only) Warm Dim: 2700-1800K, 90+ CRI (1500 & 2000 lumens only) Warm Dim: 3000-1800K, 90+ CRI (1500 & 2000 lumens only) Optic Downlight Super Short Cone with Solite Lens 75° cut-off (VWFL or SWFL only) Distribution Spot Narrow Flood Flood 1 Flood 2 Wide Flood Super Wide Flood (DSS Optic only) Color (See finishes page for The Naturals options) Clear Diffuse Warm Diffuse Black White	LC44AT *LC44EM SDT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 35K or 935K 40K or 936K 92718W 93018W DN DSS SP NFL FL1 FL2 WFL VWFL SWFL CD WD BK	SDT
4.5" Square Reflector 4.5" Square Reflector - Airtight (IC housing required for Airtight rating) 4.5" Square Reflector - Emergency* (Required for "EM" option. DN optic only, Not wet location, airtight or outdoor rated.) Trim Type Square Die-Cast Trimless Lumen Output (Trim & Housing output must match) 1000 Lumens 1500 Lumens 2000 Lumens 2500 Lumens 2500 Lumens 2500 Lumens 3000 Lumens 2700K, 80+ CRI or 90+ CRI 3000K, 80+ CRI or 90+ CRI 3000K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI 4000K, 80+ CRI or 90+ CRI (1500 & 2000 lumens only) Warm Dim: 2700-1800K, 90+ CRI (1500 & 2000 lumens only) Warm Dim: 3000-1800K, 90+ CRI (1500 & 2000 lumens only) Optic Super Short Cone with Solite Lens 75" cut-off (VWFL or SWFL only) Distribution Spot Narrow Flood Flood 2 Wide Flood Super Wide Flood (DSSO potic only) Color (See finishes page for The Naturals options) Clear Diffuse Warm Diffuse Black	LC44AT *LC44EM SDT 1000L 1500L 2000L 2500L 3000L 27K or 927K 30K or 930K 35K or 935K 40K or 936K 92718W 93018W DN DSS SP NFL FL1 FL2 WFL VWFL SWFL CD WD BK	SDT



S

SQUARE DOWNLIGHT PERFORMANCE CHART

Lun	nen Output	Delivered Lumens	System Watts	LPW
	1000L	1032	11	91
	1500L	1552	19	81
WD	1500L	1480	25	58
	2000L	2061	26	81
WD	2000L	2079	37	57
	2500L	2492	32	78
	3000L	2981	36	82

Based on downlight (DN) optic, 3500K, 80CRI, Wide Flood, Clear Diffuse. WDM base on 3000 - 1800K, 90 CRI. Delivered lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

OUTDOOR RATED (OD) DRIVER DIMMING PERFORMANCE CHART

Lumen Output	Minimum Dimming Level
1000L	25%
1500L	16%
2000L	12%
2500L	10%
3000L	10%

SQUARE DOWNLIGHT LUMEN MULTIPLIER TABLE

Color Temperature & CRI

Trim Type	Optic	Lumen Ouput	Color Temperature	Multiplier
	ALL	ALL	2700K, 80+ CRI [27K]	0.93
			2700K, 90+ CRI [927K]	0.75
			3000K, 80+ CRI [30K]	0.93
			3000K, 90+ CRI [930K]	0.81
			3500K, 80+ CRI [35K]	1.00
ALL			3500K, 90+ CRI [935K]	0.81
ALL			4000K, 80+ CRI [40K]	1.00
			4000K, 90+ CRI [940K]	0.87
		1500	2700-1800K, 90+ CRI [92718W]	0.93
		2000	2700-1800K, 90+ Chi [92718W]	1.09
		1500	2000 1000K 00 - OFI [20010M]	0.99
		2000	3000-1800K, 90+ CRI [93018W]	1.04

Distribution

Trim Trino	Optic	Distribution	Multiplier	
Trim Type	Орис	Distribution	1000 - 2500L	3000L
		Spot [SP]	1.05	-
	Downlight with 50° cut-off [DN]	Narrow Flood [NFL]	1.04	1.04
Causes Die Cost Trimless [CDT]		Flood 1 [FL1]	0.97	0.96
Square Die-Cast Trimless [SDT]		Flood 2 [FL2]	0.99	0.98
		Wide Flood [WFL]	1.00	1.00
		Very Wide Flood [VWFL]	0.94	0.93
		Spot [SP]	1.03	-
	Downlight with 50° cut-off [DN]	Narrow Flood [NFL]	1.02	1.02
Square Die-Cast Overlap [SDO]		Flood 1 [FL1]	0.96	0.93
Square Die-Cast Overlap [SDO]		Flood 2 [FL2]	0.97	0.94
		Wide Flood [WFL]	0.98	0.98
		Very Wide Flood [VWFL]	0.90	0.90
Square Die-Cast Trimless [SDT]	Super Short Cone with Solite Lens	Very Wide Flood [VWFL]	0.87	0.88
Square Die-Cast Infilless [SDT]	with 75° cut-off [DSS]	Super Wide Flood [SWFL]	0.81	0.84
Square Die-Cast Overlap [SDO]	Super Short Cone with Solite Lens	Very Wide Flood [VWFL]	0.80	0.82
Square Die-Cast Overlap [SDO]	with 75° cut-off [DSS]	Super Wide Flood [SWFL]	0.81	0.75

Color

Trim Type	Optic	Color	Multiplier
		Clear Diffuse [CD]	1.00
	Downlight with 50° cut-off [DN]	Warm Diffuse [WD]	0.84
0 0'0'1 [007]		White [WH]	1.11
Square Die-Cast Trimless [SDT]		Black [BK]	0.65
and Square Die-Cast Overlap [SDO]		Clear Diffuse [CD]	1.00
Square Die-Cast Overlap [SDO]	Super Short Cone with Solite Lens with 75° cut-off [DSS]	Warm Diffuse [WD]	1.01
		White [WH]	1.16
		Black [BK]	0.93
		Woven Linen [WLN]	0.93
		Walnut [WLT]	0.45
ALL	ALL	Gray Elm [GRE]	0.72
		Chestnut [CHT]	0.75
		Light Oak [LOK]	0.90

Multiplier charts are provided to aid with estimation of lumen levels across options. Apply multipliers against ordered Lumen Output to estimate Delivered Lumens. An estimation should make use of all tables through consecutive application of three multipliers. Refer to IES files for most accurate photometric information

How To Use Lumen Multipliers

Formula: (Lumen Output Value) x (Color Temperature & CRI) x (Distribution) x (Color)

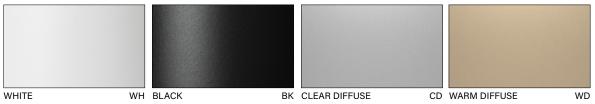
Example: LC44-SDT-2000L-935K-DN-NFL-WH

(2000) x (0.81) x (1.04) x (1.11) \approx 1870 lm (estimated delivered lumens)

Finishes



STANDARD FINISHES



THE NATURALS (25% SCALE)

