

Features & Benefits

- Top rated UL fire resistant housing: UL 94, 5VA reinforced thermal set polyester housing
- IP65 and IP67 ratings
- UL 746C rated f1 housing material meets outdoor UV and Water Immersion requirements
- Optional, simple, non-intrusive, external mounting hardware system available
- Securely attached, over-center latching system that are tamper proof ready
- Rugged, impact resistant 100% certified high impact acrylic or polycarbonate lenses
- Superior sealing system produces a dust free, wash down fixture with an IP65 rating for 2' units and IP67 for temporary immersion for the 4' and 8' units.
- NSF high pressure wash down approved for splash zone areas.
- Available with fluorescent T5, T5HO, T8, HPT8, or T8HO
- Available in 2', 4' and 8' lengths with 1, 2, or 3 lamps systems plus tandem configurations for the 8' units



EN2

Ideal for demanding environments where reliability and performance are paramount.

Simkar is proud to announce a family of demanding environment T5/T8 luminaires that will stand up to the forces of wind, water, temperature extremes, dust, salt, and abuse.

The EN2 series is an indoor/outdoor, corrosion proof, enclosed and gasketed fixture that does it all.

Simkar's weatherproof EN2 Series luminaires are a low profile design and comes in 2', 4', and 8' lengths. The 2' and 4' units come in 4" and 6.8" widths and the 8" unit is 6.8" wide.

You have choices of 1, 2, or 3 lamp versions to meet your lighting needs.

The housings are made of custom reinforced, thermal-set polyester that is corrosion resistant and will withstand extreme abuse and neglect.

The horizontally ribbed diffuser lenses were engineered for superior strength, ease of cleaning, and optical uniformity. These tough lenses are available in injection molded, clear, UV stabilized

polycarbonate (2' and 4' units) or 100% certified High Impact acrylic versions (4' and 8' units).

The sealing flanges of the lenses were designed to work in conjunction with our custom formulated foam-in-place, non-reticulated polyurethane gasket. This gasket is a seamless gasket that chemically attaches to the housing and is robotically applied to ensure consistency, accuracy, and reliability.

As a result of this design system, we have been able to achieve IP65 ratings for the 2' units (dust free with hose down) and IP67 ratings for the 4' and 8' units (dust free with temporary submersion under water for 30 minutes). The 2', 4', and 8' units are also certified for NSF high pressure wash down splash zone areas.

Our innovative latching and optional mounting hardware make installation and maintenance a breeze.

Certifications:

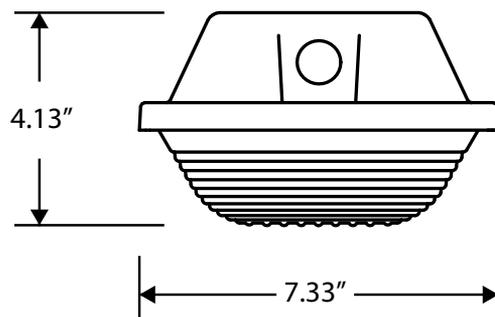
UL, cUL wet location, 25° C ambient

UL, cUL recognized components

NSF Certified for high pressure wash down splash zone areas

IP65 certified; 2' units: Dust-free, low pressure wash down

IP67 certified; 4' and 8' units: Dust-free, temporary immersion for 30 minutes



Housing

Housing to be 1-piece, custom reinforced thermal-set polyester that is corrosion proof and will withstand extreme abuse and neglect. Housing material to be UL 5VA and f1 rated. Gasket to be a seamless, custom formulated foam-in-place, urethane gasket, chemically attached to the housing and robotically applied to ensure consistency, accuracy, and reliability. All models are NSF Splash Zone rated for high pressure wash down. 2' unit to be IP65 rated for dust-free and wash down; 4' and 8' units to be IP67 rated for dust-free and water-free ingress protection (temporary submersion for 30 minutes).

Electrical

T8 and HPT8 technology: Ballast to be electronic, Instant Start, fully wired with quick-disconnect device: Universal voltage 120 – 277VAC, 50/60Hz, Starting temperature 0°F (-18°C),

< 15% THD, High-Power Factor, Thermally protected, Automatic resetting, Class P, Sound rating A.

T5 and T5HO technology: Ballast to be electronic Program Start, fully wired with quick-disconnect device: Universal voltage 120 – 277VAC, 50/60Hz, Starting temperature 0°F (-18°C), < 15% and < 20% THD, High-Power Factor, Thermally protected, Automatic resetting, Class P, Sound rating A.

Optics

Reflector to be die-formed, heavy gauge steel with high-glass, baked white polyester finish over rust inhibiting phosphate coat or Miro 4 specular with 95% reflectivity. 2' Lens to be clear, ribbed, UV stabilized polycarbonate; 4' Lenses to be injection molded clear, ribbed, UV stabilized polycarbonate or 100% High Impact acrylic; 8' lens to be injection molded clear, ribbed, 100% High Impact acrylic engineered for superior strength, ease of cleaning, and optical uniformity.

Mounting/Latching

Mounting to be surface, ceiling, or wall capable. Optional stainless steel brackets or swivel brackets available without drilling into the housing. Safety strap included. Lens latches to be tool-free UV stabilized polycarbonate, positive lock over-center design, tamper-proof ready. Optional stainless steel latches available.

Certifications

Ballast: UL, CSA. Luminaire: UL Wet Location, IP65 (2' unit), IP67 (4' and 8' units), UL-cUL Recognized components; NSF Certified for splash zone areas.

EN2 Ordering Information

Series	Size	Lens	Reflector	# Lamps	Lamp Type
EN2	2 = 2' (IP65)	<i>2' Size</i>	WR = White	1	T5
	4 = 4' (IP67)	RP = Ribbed polycarbonate vacuum formed lens	M4 = Miro 4	2	14T5 = 14 watt T5, 2' unit
	8 = 8' (IP67)			3	24T5H = 24 watt T5HO, 2' unit
		<i>4' Size</i>		2T = 2 lamps tandem	28T5 = 28 watt T5, 4' unit or 8' Tandem
		RP = Ribbed polycarbonate injection molded lens		4T = 4 lamps tandem	54T5H = 54 watt T5HO, 4' unit or 8' Tandem (not available with 3 lamps or 6T Tandem)
		RA = Ribbed acrylic injection molded lens: 100% High Impact acrylic		6T = 6 lamps tandem	
		<i>8' Size</i>			T8
		RA = Ribbed acrylic injection molded lens: 100% High Impact acrylic			17T8 = 17 watt T8, 2' unit
					32T8 = 32 watt T8, 4' unit or 8' Tandem
					32HP8 = 32 watt HPT8, 4' unit or 8' Tandem
					86T8H = 86 watt T8HO, F96, 8' unit (not available with 3 lamps)

Ballast	Switching	Voltage	Options	Accessories
E = Electronic E(x)* = Electronic HPT8* D = Dimming (Specify Ballast)	<i>For 2 lamp units</i> Blank = single ballast 2/1L = (2) 1-lamp ballasts	U1 = 120V – 277V U3 = 347V – 480V 347 = 347V 480 = 480V	BP = Bulk Pack ELS1 = Emergency Lighting (low lumens) ELS2 = Emergency Lighting (medium lumens) ELS3 = Emergency Lighting (high lumens) EN2 Requires damp location emergency ballast	EN2TS = Tamperproof screws EN2TSD = Tamperproof screwdriver EN2MB = 2 Stainless steel Mounting Brackets EN2SMB = 2 Swivel Mounting Brackets
	<i>For 4 lamp units</i> Blank = (2) 2-lamp ballasts 4L = (1) 4-lamp ballast		ENTS = Tamperproof screws ENTSD = Tamperproof screwdriver	
	<i>For 6 lamp tandem units</i> 2/3L = (2) 3-lamp ballasts 2L/4L = (1) 2-lamp and (1) 4-lamp ballast		SSL = Stainless Steel Latch OS(x) = Individual Fixture PIR Occupancy Sensor; (specify number of lamps controlled: 1, 2, 3, 4, 5, or 6)** CP3 = Cord & Plug - 120V Straight Blade with 6' Cord** CPT(xx) = Cord & Plug: Twist + Lock with 6' Cord; (specify voltage: 12 = 120, 20 = 208, 24 = 240, 27 = 277, 34 = 347, or 48 = 480)**	
			For cords without plugs, please contact factory. FB = Lay-in Fast-Blow Fusing SB = Lay-in Slow-Blow Fusing Lamps installed (Specify) **Damp Location	

*Specify Ballast Factor: L = Low; N = Normal or H = High