

Department of Energy

§ 431.226

TEST PROCEDURES [RESERVED]

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ENERGY CONSERVATION STANDARDS

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§ 431.196 Energy conservation standards and their effective dates.

§ 431.206 Energy conservation standards and their effective dates.

(a) *Low Voltage Dry-Type Distribution Transformers.* The efficiency of a low voltage dry-type distribution transformer manufactured on or after January 1, 2007, shall be no less than the following:

An illuminated exit sign manufactured on or after January 1, 2006, shall have an input power demand of 5 watts or less per face.

Single phase efficiency		Three phase efficiency	
kVA	Low voltage	kVA	Low voltage
15	97.7	15	97.0
25	98.0	30	97.5
37.5	98.2	45	97.7
50	98.3	75	98.0
75	98.5	112.5	98.2
100	98.6	150	98.3
167	98.7	225	98.5
250	98.8	300	98.6
333	98.9	500	98.7
		750	98.8
		1000	98.9

Subpart M—Traffic Signal Modules and Pedestrian Modules

SOURCE: 70 FR 60417, Oct. 18, 2005, unless otherwise noted.

(Source: Table 4-2 of National Electrical Manufacturers Association (NEMA) Standard TP-1-2002, "Guide for Determining Energy Efficiency for Distribution Transformers.")

§ 431.221 Purpose and scope.

(b) *Liquid-Immersed Distribution Transformers.* [Reserved]

This subpart contains energy conservation requirements for traffic signal modules and pedestrian modules, pursuant to Part B of Title III of the Energy Policy and Conservation Act, as amended, 42 U.S.C. 6291-6309.

(c) *Medium Voltage Dry-Type Distribution Transformers.* [Reserved]

§ 431.222 Definitions concerning traffic signal modules and pedestrian modules.

Subpart L—Illuminated Exit Signs

Pedestrian module means a light signal used to convey movement information to pedestrians.

SOURCE: 70 FR 60417, Oct. 18, 2005, unless otherwise noted.

Traffic signal module means a standard 8-inch (200 mm) or 12-inch (300 mm) traffic signal indication that—

§ 431.201 Purpose and scope.

(1) Consists of a light source, a lens, and all other parts necessary for operation; and

This subpart contains energy conservation requirements for illuminated exit signs, pursuant to Part B of Title III of the Energy Policy and Conservation Act, as amended, 42 U.S.C. 6291-6309.

(2) Communicates movement messages to drivers through red, amber, and green colors.

§ 431.202 Definitions concerning illuminated exit signs.

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Illuminated exit sign means a sign that—

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(1) Is designed to be permanently fixed in place to identify an exit; and

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(2) Consists of an electrically powered integral light source that—

Any traffic signal module or pedestrian module manufactured on or after January 1, 2006, shall meet both of the following requirements:

(i) Illuminates the legend "EXIT" and any directional indicators; and
 (ii) Provides contrast between the legend, any directional indicators, and the background.

(a) Have a nominal wattage no greater than:

	Maximum wattage (at 74 °C)	Nominal wattage (at 25 °C)
Traffic Signal Module Type:		
12" Red Ball	17	11
8" Red Ball	13	8
12" Red Arrow	12	9