

LED Traffic Signal

433 Series

WHITE

Features:

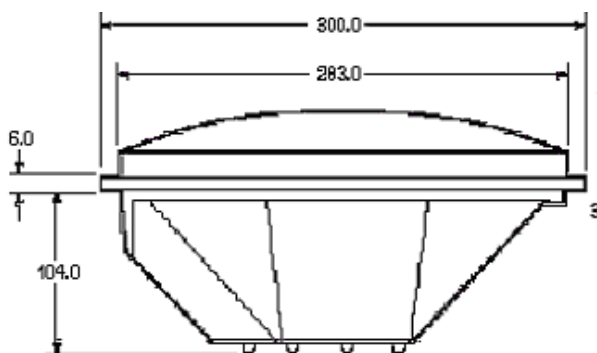
- Clustered LED's as Light Source
- Sealed for Life Unit
- Durable Materials
- Rim Dimensions Matching Existing Housings

Benefits:

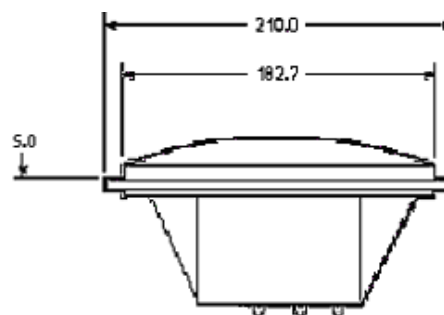
- Low Energy Consumption
- Uniform Luminance of the Front Lens
- Long and Reliable Service Life
- Easy Installation in the Door of a Signal Housing

A fully contained low wattage LED Traffic Signal Module meeting European specification EN12368 class A2/1 type W. The module is primarily intended for use as a retrofit unit for traffic signals that are currently equipped with incandescent, low voltage Krypton or Halogen light sources. The LED Traffic Signal Module comprises a high flux LED light source, Fresnel lens, and tinted or not tinted front lens. The Fresnel lens is sealed to the housing to create a dust and waterproof system. Key features of the signal are very low power consumption and a smooth, uniform appearance when illuminated. The optics and drive circuits are designed so that the failure of a single LED will neither create a dark spot, nor reduce the signal intensity.

Dimensions:



300 mm SIGNAL MODULE



210 mm SIGNAL MODULE

Electrical Characteristics:

at T_A =25 °C

Parameter	Symbol		Units
Power Consumption	P	12	W
Voltage ^[1]	V	230	V
Voltage Range	V	196-253	V
Minimum Power Factor		According to EN 61000-3-2	
Maximum THD		According to EN 61000-3-2	
Insulation Class		II (IEC 598-1 Section 1.2.23)	
EMC		According to EN 50276	
Transient Protection		TBD	
Controller Assembly Compatibility		TBD	

Notes:

1.Power consumption minimum values vary by controller.

Thermal Characteristics:

Parameter	Symbol	210 mm	300 mm	Units
Operating Temperature ^[2]	T _{OP}	-40 to +60		°C
Thermal Resistance, Junction to Ambient ^[3]	R _{ΘJ-A}	2,5	2	K/W

Notes:

2.Refers to the ambient temperature range when power is applied to the module.

3.At 60 °C based on total dissipated system power.

Mechanical Data:

Parameter	210 mm	300 mm	Units
Minimum Weight	1,53		kg
Vibrations	IEC 68-2-34		
Impact Lens	EN 60598-1 Clause 4.13.4,Class IR3		
Protection Grade	EN 60529 test 13 and 14,rating IP 65		
Relative Humidity	Up to 95%		
Flammability	V-0 (US requirement)		
Minimum Cable Length Outside of Housing	1		m
Symbols	Painted on the outer lens		
Packing	12 signals per box	6 signals per box	

Part Numbers

143380 (210mm, clear lens)

143381 (300mm, clear lens)

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Subject to change