

# RX11 LED Signal Modules

200mm - 220V

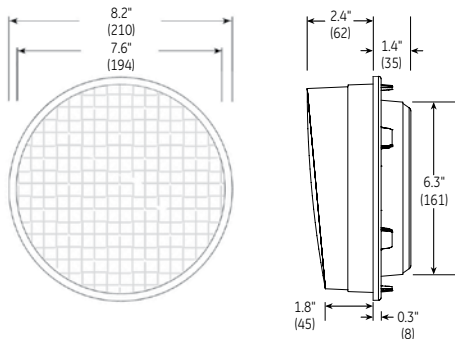
## Features, Benefits and Values

- High efficiency & long life LED light source
- Self contained LED module for direct replacement
- Designed to conform to applicable ABNT and Caltrans specifications
- Uniform signal appearance, semi-pixelated look
- Failure of single LED results in loss of light from only that LED
- UV stabilized shell
- Moisture and dust resistant
- Reduction in operating and maintenance costs
- 5-year limited warranty on workmanship and materials defect
- Compatibility with most traffic heads and controllers
- All products shipped with installed gasket
- In-line fuse for surge protection
- EPACT 2005 compliant



## Mechanical Outline

Dimensions in inches. (mm) indicates metric equivalent



The Greatest Signals Stand the Test of Time.™

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## Design Compliance






Test Type	Compliance
Chromaticity	ABNT/CB-16: 2007
Moisture Resistance	NEMA STD 250 Type 4 - 1991
Mechanical Vibration	MIL-STD-883 Method 2007
Electronic Noise	CISPR 22 – Class A
Surge Voltage Protection	NEMA STD TS 2-2003 – Section 2.1.6
Controller Compatibility	NEMA TS-2-1992
Wiring	NFPA 70, National Electric Code

## Operating Specifications

Parameter	Rating
Operating Temperature Range	-40 to + 74°C (-40 to +165°F)
Operating Voltage Range	185 to 250VAC (50Hz - 60Hz)
Power Factor*	> 92%
Total Harmonic Distortion (THD)*	< 20%
Voltage Turn-Off (VTO)*	< 35 Vac
Turn on/Turn off Time*	100 ms
Lens & Shell Material	UV Stabilized Polycarbonate
Wiring	16 AWG, Color Coded with Strain Relief

\*Stabilized at 25°C

## Product Information

Model Number	Traffic Signals	Stabilization time	Uniformity ABNT/CB-16:2007	Power (W)	Minimum Photometric Performance over 5 years ABNT/CB-16:2007 <sup>2</sup>	Minimum Photometric Performance over 5 years CALTRANS 2001 <sup>2</sup>
		Minutes	Nominal 220V	Nominal 220V	Nominal 220V	Nominal 220V
DR4-RCFB-20C		60	<1:10	5	Table 3	Table 1
DR4-YCFB-20C		60	<1:10	12	Table 3 <sup>1</sup>	Table 1 <sup>1</sup>
DR4-GCFB-20C		60	<1:10	5	Table 3	-
PR4-GCWM-20C		60	-	5	Table 2 <sup>3</sup>	-
PR4-RCSM-20C		60	-	5	Table 2	-

<sup>1</sup>Stabilized at a duty cycle of 5 seconds ON/55 seconds OFF.

<sup>2</sup>In Brazil: Red at 65% Duty Cycle; Green at 35% Duty Cycle; and Yellow at 8.3% Duty Cycle.

<sup>3</sup>Minimum photometric performance over 2 years.

Ângulo Vertical (em relação ao eixo central)	Ângulo Horizontal (em relação ao eixo central)	Intensidade Luminosa (Candela)		
		Vermelho	Amarelo	Verde

Tabela 1 - Mínima Intensidade Luminosa Mantida

- 2,5	± 2,5	133	267	267
- 7,5	± 7,5	89	178	178
- 12,5	± 17,5	20	41	41
- 17,5	± 17,5	9	16	16

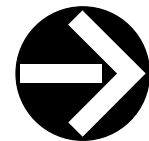
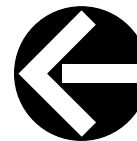
Tabela 2 - Mínima Intensidade Luminosa ( Pedestre )

- 5	0	110	-	102
- 5	± 15	46	-	43
- 5	± 25	14	-	13

Tabela 3 - Mínima Intensidade Luminosa Mantida

- 2,5	± 2,5	162	402	211
- 5	± 10	107	267	140
- 10	± 20	20	49	26
- 15	± 20	7	16	9

## Symbols Information\*



\* Other symbols available on request

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