

LED Swivel Reading Light
for Transit Lighting

Transit Reading T1310

LED Swivel Reading Light for Transit Lighting

PRODUCT HIGHLIGHTS

- 1.6 Watts
- 9-30V DC Input
- 25° Beam Angle
- Meets APTA RP-E-012-99 Standards
- Active Thermal Management
- Simple Installation
- Adjustable Swivel Motion
- Impact Resistant Housing

TYPICAL APPLICATIONS

- Rail
- Bus
- Marine

SPECIFICATIONS

SUITABLE ENVIRONMENTS



Dry Damp

LED COLORS

- Cool White
- Neutral White
- Warm White

HOUSING FINISH



Black

BEAM ANGLE



25°

CERTIFICATIONS

Meets APTA RP-E-012-99
Standards

Features

■ ADVANCED OPTICAL SYSTEM

25 degree beam angle ensures high efficiency, optimal coverage, and tight cutoff to ensure no light spillover into adjacent passenger seating.

■ ADJUSTABLE SWIVEL

Adjustable light head offers fluid motion and grip for rider comfort.

■ RUGGED DESIGN

Impact-resistant glass-filled injection-molded housing, integrated heat sink, and electronic regulation to the LED source ensure product longevity.

■ NO HEAT OR UV IN THE LIGHT BEAM

With no heat in the light beam, the fixture remains cooler than halogen and incandescent sources, allowing safe operation and added rider comfort.

■ LONG LIFE LED SOURCE

Up to 50,000 hours of operation means less relamping. With traditional halogen and incandescent sources lasting only 2,000 hours, LED sources require significantly less maintenance.

■ SIMPLE RELAMPING

LED assembly may be relamped, ensuring long product service life.

■ SIMPLE MOUNTING

Two mounting options provided: compression (via 2 installed gaskets) and screw-mount.

Exclusive Technology

■ ACTIVE THERMAL MANAGEMENT

Active Thermal Management (ATM) continuously monitors, and when required, thermally regulates the fixture. If for any reason the fixture begins to overheat, ATM will reduce the LED power level in order to protect the LED source. Smooth dimming ensures this background task does not interfere with normal operation of the fixture.

■ SMARTDRIVER™ INTEGRATED

i2Systems SmartDriver technology is integrated directly inside of every fixture. Connect the fixture to a wide range of voltages without sacrificing light output or lifetime. No external drivers are required and wiring is made simple.

■ ACCUWHITE™

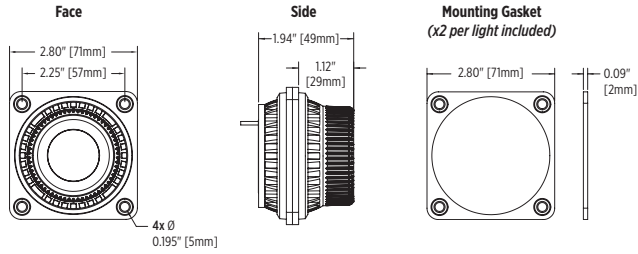
i2Systems AccuWhite technology allows integration of fixtures to traditional applications without sacrifice in color temperature (CCT) or color rendering (CRI). AccuWhite ensures accurate and consistent color matching from fixture to fixture and across product lines.

SPECIFICATIONS

ITEM	PARAMETER	VALUE
Electrical	Input Power	1.6 Watts*
	Input Voltage Range	9-30V DC
	Integrated Driver	✓
	0-100% Dimming	
	Protection Features	Active Thermal Management, Transient Protection, Reverse Polarity, Autoreset Fuse
Optical	Emitting Angle	25° Angle
	LED Color	Cool White, Neutral White, Warm White
	LED Colors per Fixture	1
	Class	Class 2 LED Product
Physical	Dimensions	Refer to drawings on right
	Housing Construction	Glass Filled Polycarbonate
	Lens Material	Glass
	Finishes	Black (custom available)
	Mounting Method	Compression or Screw
	Operating Temp. Range	-20°C to 40°C, Max. Case Temp (Tc): 50°C
	Humidity	0 to 95%, non-condensing
	Environment	Dry, Damp
	Certification	FCC Part 15, Class A, Meets APTA RP-E-012-99 Standards

*Due to constant power design, input current (Iin) will vary depending on input voltage. Be sure to size wire awg accordingly for worst case input voltage.

DIMENSIONS

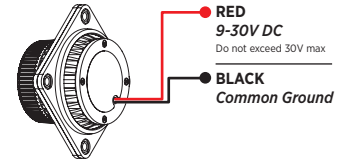


MOUNTING

Fixture can be mounted in either of two ways:

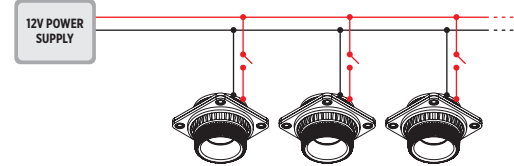
- Use the two pre-installed foam mounting gaskets, which hold it in compression between two fixed surfaces and dampen vibration.
- Use four mounting screws (not included).

WIRE FUNCTION



INSTALLATION EXAMPLES

Transit EXAMPLE:
LED Reading Light wired to a 12V power supply. User-operated inline switch on each light.



ORDERING NUMBER

FIXED FACTORY NUMBER EXAMPLE: **T1310Z-0125CXXX**
 USER SELECTED OPTION Standard Output, Black Finish, 25° Beam Angle, Warm White LED

T1310Z - **0** **1** **25** ***** **XXX**

Output
0 Standard

Finish/Color
● 1 Black

Beam Angle
25 25 Degree

LED Color
 ○ A Cool White
 ○ B Neutral White
 ○ C Warm White