TECHNICAL SPECIFICATION

ATREYO®
SOLUTIONS THAT SIMPLIFY

Traffic Signals Single Source

ATL-30 series



Features

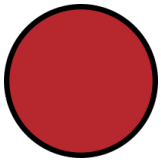
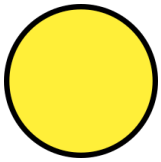
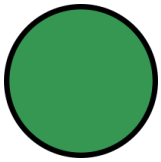
- **High brightness**
- **Low power consumption**
- **LED light**
- **Single source of light**
- **Failure detection**
- **Brightness adjustment**
- **Fresnel lens**

The ACLS series is a series of traffic lights with a diameter of 30 cm and with HiFlux LEDs as the light source. All signs such as arrows, U-turn signs, etc. are available. Pedestrian signals are also available. They are powered by either 230V AC or 24V DC depending on the model. ATL-30 have built-in light source failure detection and brightness control.

Description	Parameter
Light specification	
Light source	High Flux LED
Uniformity of Luminance	Better than 1: 2.5
Central light insensitivity	> 400cd (EN12368)
Colour acc. to (EN12368)	Green – Wavelength 498-507 nm Red – Wavelength 618-630 nm Yellow – Wavelength 587-595 nm
Brightness setting	Deeming by PWM signal from ATCS
Power	
Rated power	10W
Powers Supply	24V DC or 230V AC (depending on the model)
Controller	
LED source controller	Inbuilt with temperature compensated current source

Description	Parameter
Special functions	Failure detection
Physical characteristics	
Front	UV-stabilized polycarbonate 300mm diameter
Back material	PVC
Cooling	Passive
Environmental specification	
Operating temp.	-20 ~ 65°C (-4 ~ 149°F) -25 ~ 70°C (-13 ~ 258°F) (extended range optional)
Storage temp.	-40 ~ 85°C (-40 ~ 185°F)
Ambient RH	5% ~ 95% (non-condensing)

Model selection

Red round	ATL-30	-24	- R	none	
Yellow round	ATL-30	-24	- Y	none	
Green round	ATL-30	-24	- G	none	
Red straight arrow	ATL-30	-24	- R	- AS	
Yellow straight arrow	ATL-30	-24	- Y	- AS	
Green straight arrow	ATL-30	-24	- G	- AS	
Red left arrow	ATL-30	-24	- R	- AL	
Yellow left arrow	ATL-30	-24	- Y	- AL	
Green left arrow	ATL-30	-24	- G	- AL	

Red right arrow	ATL-30	-24	- R	- AR	
Yellow rightarrow	ATL-30	-24	- Y	- AR	
Green right arrow	ATL-30	-24	- G	- AR	
Red U turn arrow right	ATL-30	-24	- R	- AUR	
Red U turn arrow left	ATL-30	-24	- R	- AUL	
Yellow U turn arrow right	ATL-30	-24	- Y	- AUR	
Yellow U turn arrow left	ATL-30	-24	- Y	- AUL	
Green U turn arrow right	ATL-30	-24	- G	- AUR	
Green U turn arrow left	ATL-30	-24	- G	- AUL	
Red straight right arrow	ATL-30	-24	- R	- ASR	

Red straight left arrow	ATL-30	-24	- R	- ASL	
Yellow right straight arrow	ATL-30	-24	- Y	- ASR	
Yellow straight left arrow	ATL-30	-24	- Y	- ASL	
Green straight right arrow	ATL-30	-24	- G	- ASR	
Green straight left arrow	ATL-30	-24	- G	- ASL	
Red left-right arrow	ATL-30	-24	- R	- ALR	
Yellow left-right arrow	ATL-30	-24	- Y	- ALR	
Green left-right arrow	ATL-30	-24	- G	- ALR	
Green left arrow conditinal	ATL-30	-24	- G	- ACL	
Green right arrow conditinal	ATL-30	-24	- G	- ACR	

Green Walkman	ATL-30	-24	- G	- WLK	
Yellow Walkman	ATL-30	-24	- Y	- WLK	
Red Stopman	ATL-30	-24	- R	- STP	
Red Bicycle	ATL-30	-24	- R	- BYK	
Green Bicycle	ATL-30	-24	- G	- BYK	
Red Bicycle + pedestrian	ATL-30	-24	- R	- BYKP	
Green Bicycle + pedestrian	ATL-30	-24	- G	- BYKP	

All pictures are for illustrative purposes only. The exact pattern of the mark depends on national standards and is individually agreed with the client.

For more details scan or click on QR code

Copyright

Copyright © 2026 Atreyo Research and Development Pvt. Ltd.. This technical specification is protected under national and international copyright laws. No part of this user manual may be reproduced, distributed, translated, or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or storing in any information storage and retrieval system, without the prior written permission of Atreyo Research and Development Pvt. Ltd. Copy or use any part of this specifications is prohibited without the prior written permission from the Atreyo Research and Development Pvt. Ltd.

Trademarks

Atreyo and the Atreyo logo are registered trademarks of Atreyo Research and Development Pvt. Ltd.

All other trademarks and copyrights are the property of their respective owners.

Disclaimer

- The information contained in this Technical Specification is provided "as is" and is subject to change without notice. While every effort has been made to ensure the accuracy and completeness of the information contained herein, Atreyo Research and Development Pvt. Ltd. assumes no responsibility or liability for any errors or omissions.
- Images used in this specification may differ in appearance from the actual product.
- All dimensions mentioned in the drawings are not to scale and are subject to change and update as may be decided by the Atreyo Research and Development Pvt. Ltd.
- Atreyo Research and Development Pvt. Ltd. makes no warranties, either express or implied, regarding the contents of this document, including but not limited to the implied warranties of merchantability and fitness for a particular purpose.
- Users of this Technical Specification should verify the applicability and suitability of the information and procedures to their particular use. Atreyo Research and Development Pvt. Ltd. shall not be liable for any damages, including but not limited to direct, indirect, special, incidental, or consequential damages, arising from or related to the use or inability to use this Technical Specification or the products described herein.
- By using this Technical Specification, you agree to the terms and conditions stated above. Atreyo Research and Development Pvt. Ltd. has right to make additions, deletions, alterations or amendments as and when it deems fit and proper, without any prior notice.

Atreyo Research & Development Pvt. Ltd.	**+91 9727741417** **info@atreyo.in**	2106, Z2, Thaltej, Ahmedabad, Gujarat, India