

# LTIA03 IP66 LED Illuminator

LED illuminator with distance up to 450 m (optional)



Model	Illumination Distance (328 ft)	Beam Angle
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\*Each wavelength in the above table has the following models available.

## Features

- IP66, NEMA-4X enclosure rating
- Designed for indoor and outdoor applications
- Die-cast aluminum construction
- Illuminator with distance up to 65 m to 450 m (213 ft to 1476 ft) (optional)
- Input power: 12 V DC/24 V AC/universal AC 110 V to 250 V (available)
- 850 nm/740 nm/940 nm/White light optional

## Available Models

Model	Illumination Distance	Beam Angle
LTIA03-R65	up to 65 m (213 ft)	120°
LTIA03-R80	up to 80 m (262 ft)	90°
LTIA03-R95	up to 95 m (312 ft)	60°
LTIA03-R120	up to 120 m (394 ft)	45°
LTIA03-R200	up to 200 m (656 ft)	30°
LTIA03-R270	up to 270 m (886 ft)	15°
LTIA032-R220	220 m (722 ft) to 130 m (427 ft)	45° to 90°
LTIA033-R400	400 m (1312 ft) to 220 m (722 ft)	30° to 90°
LTIA03-W80	up to 80 m (262 ft)	120°
LTIA03-W120	up to 120 m (394 ft)	90°
LTIA03-W140	up to 140 m (459 ft)	60°
LTIA03-W170	up to 170 m (558 ft)	45°
LTIA03-W220	up to 220 m (722 ft)	30°
LTIA03-W260	up to 260 m (853 ft)	15°
LTIA032-W380	380 m (1247 ft) to 90 m (295 ft)	15° to 180°
LTIA033-W450	450 m (1476 ft) to 100 m	15° to 230°

Model	Wavelength	Input Power
LTIA03-R65-1	850 nm	12 V DC
LTIA03-R65-2	850 nm	24 V AC
LTIA03-R65-U	850 nm	110 V to 250 V AC
LTIA03-R65-740-1	740 nm	12 V DC
LTIA03-R65-740-2	740 nm	24 V AC
LTIA03-R65-740-U	740 nm	110 V to 250 V AC
LTIA03-R65-940-1	940 nm	12 V DC
LTIA03-R65-940-2	940 nm	24 V AC
LTIA03-R65-940-U	940 nm	110 V to 250 V AC
LTIA03-W80-1	White light	12 V DC
LTIA03-W80-2	White light	24 V AC
LTIA03-W80-U	White light	110 V to 250 V AC

1. The spec for LTIA03-R65-\_\_, LTIA03-R80-\_\_, LTIA03-R95-\_\_, LTIA03-R120-\_\_, LTIA03-R200-\_\_, LTIA03-R270-\_\_, LTIA032-R220-\_\_, LTIA033-R400-\_\_, LTIA03-W80-\_\_, LTIA03-W120-\_\_, LTIA03-W140-\_\_, LTIA03-W170-\_\_, LTIA03-W220-\_\_, LTIA03-W260-\_\_, LTIA032-W380-\_\_, and LTIA033-W450-\_\_ is the same as LTIA03-R65, LTIA03-R80-, LTIA03-R95, LTIA03-R120, LTIA03-R200, LTIA03-R270, LTIA032-R220, LTIA033-R400-\_\_, LTIA03-W80, LTIA03-W120, LTIA03-W140, LTIA03-W170, LTIA03-W220, LTIA03-W260, LTIA032-W380-\_\_, and LTIA033-W450 .

2. Illumination distance is tested by 1/3-inch SONY CCD Camera. To achieve the distance needed, please pay attention to your camera specification and lens before purchase. It is normal phenomenon that distance may vary due to different cameras and lens.

\*Design and specifications are subject to change without prior notice.

Tech Specs

Model	LTIA03
Type	Indoor/Outdoor
Protection Rating	IP66, NEMA-4X enclosure rating
Material	Die-cast aluminum
Finish	Ivory white polyester powder coat
Input Power <sup>1</sup>	<ul style="list-style-type: none"> <li>12 V DC (LTIA03-R65-1, LTIA03-R65-740-1, LTIA03-R65-940-1, LTIA03-W80-1)</li> <li>24 V AC (LTIA03-R65-2, LTIA03-R65-740-2, LTIA03-R65-940-2, LTIA03-W80-2)</li> <li>Universal 100 V to 250 V AC, auto-sensing (LTIA03-R65-U, LTIA03-R65-740-U, LTIA03-R65-940-U, LTIA03-W80-U)</li> </ul>
Power Consumption	54 W
Dimensions (W × H × L)	210 mm × 213 mm × 120 mm (8.27 in × 8.39 in × 4.72 in)
Window	Tempered glasses
Operating Ambient Temperature	-40 °C to 55 °C (-40 °F to 131 °F)
Wavelength <sup>1</sup>	<ul style="list-style-type: none"> <li>850 nm (LTIA03-R65-1, LTIA03-R65-2, LTIA03-R65-U)</li> <li>740 nm (LTIA03-R65-740-1, LTIA03-R65-740-2, LTIA03-R65-740-U)</li> <li>940 nm (LTIA03-R65-940-1, LTIA03-R65-940-2, LTIA03-R65-940-U)</li> <li>White light (LTIA03-W80-1, LTIA03-W80-2, LTIA03-W80-U)</li> </ul>
Illumination Distance <sup>1,2</sup>	<ul style="list-style-type: none"> <li>up to 65 m (213 ft) (LTIA03-R65)</li> <li>up to 80 m (262 ft) (LTIA03-R80, LTIA03-W80)</li> <li>up to 95 m (312 ft) (LTIA03-R95)</li> <li>up to 120 m (394 ft) (LTIA03-R120, LTIA03-W120)</li> <li>up to 140 m (459 ft) (LTIA03-W140)</li> <li>up to 170 m (558 ft) (LTIA03-W170)</li> <li>up to 200 m (656 ft) (LTIA03-R200)</li> <li>up to 220 m (722 ft) (LTIA03-W220)</li> <li>up to 260 m (853 ft) (LTIA03-W260)</li> <li>up to 270 m (886 ft) (LTIA03-R270)</li> <li>220 m (722 ft) to 130 m (427 ft) (LTIA032-R220)</li> <li>380 m (1247 ft) to 90 m (295 ft) (LTIA032-W380)</li> <li>400 m (1312 ft) to 220 m (722 ft) (LTIA033-R400)</li> <li>450 m (1476 ft) to 100 m (328 ft) (LTIA033-W450)</li> </ul>
Beam Angle <sup>1</sup>	<ul style="list-style-type: none"> <li>120° (LTIA03-R65, LTIA03-R80)</li> <li>90° (LTIA03-R80, LTIA03-W120)</li> <li>60° (LTIA03-R95, LTIA03-W140)</li> <li>45° (LTIA03-R120, LTIA03-W170)</li> <li>30° (LTIA03-R200, LTIA03-W220)</li> <li>15° (LTIA03-R270, LTIA03-W260)</li> <li>15° to 180° (LTIA032-W380)</li> <li>15° to 230° (LTIA032-W380)</li> <li>45° to 90° (LTIA032-W450)</li> <li>30° to 90° (LTIA033-R400)</li> </ul>
Weight	4.0 kg (8.8 lb)
LEDs	24 pieces
LED Lifetime	20,000 hours
Light On/Off	On when illumination is lower than 4 lux