



Before

After

# RETROFIT GEARTRAY



IP66  
Ingress Protection



IK08  
Impact Resistance



Electrical Class I



-20 to +35°C Ambient



LED Light Source

## SPECIFICATION

- ✓ LED colour temperature 2700K, 3000K or 4000K
- ✓ Colour rendering index >70
- ✓ Projected L90 after 100,000 hours
- ✓ Power factor >0.95 at full load
- ✓ Driver efficiency up to 92%
- ✓ Up to 191.7lm/W system efficacy
- ✓ High efficiency PMMA and polycarbonate lens options
- ✓ 0% ULOR
- ✓ Colour coded lens identifier
- ✓ Lumi-LinQ compatible
- ✓ CLO available
- ✓ PowerSet NFC feature integrated as standard (field adjustable power output)
- ✓ Compatible with existing NEMA 3, 5, 7, Miniature Photocell, Zhaga Book 18 (SR) socket
- ✓ Optional Part Night Dimming (PND)
- ✓ DALI-2 and D4i certified control gear for use with CMS and external sensors/devices
- ✓ Designed for easy end of life disassembly for recycling
- ✓ UMSUG codes available for full product range



## RANGE OVERVIEW

Type	System Power	Road & Path Optics	Area Optics	CCT	Lumen Output	CRI
Retrofit Geartray 24 LED	5-30W	✓	✓	2700K, 3000K or 4000K	Up to 5,568lm	>70
Retrofit Geartray 48 LED	30-60W	✓	✓	2700K, 3000K or 4000K	Up to 11,198lm	>70

ELECTRICAL CHARACTERISTICS	Retrofit Geartray 24 LED	Retrofit Geartray 48 LED
System Power	5-30W	30-60W
LED CCT	2700K, 3000K or 4000K	
LED CRI	>70	
Lumen Output	Up to 5,568lm	Up to 11,198lm
Lumen Maintenance	Projected L90 after 100,000 hours	
Driver Current	68-630mA	308-626mA
Driver Output	Constant current	
Power Factor (Full Load/Half Load)	0.95/0.90	
Driver Efficiency (230V, 50Hz, full load)	91%	92%
Operational Voltage	220-240VAC rms	
Operating Frequency	50/60Hz	
Inrush Current (Apk/50%-µS)	25A/236µS	32A/355µS
Running Current (Max)	0.13A	0.25A
Surge Protection (COM/DIF)	10kV/6kV	
Lighting Controls Options	Compatible with existing NEMA 3, 5, 7, Miniature Photocell, Zhaga Book 18 (SR) socket and Lumi-LinQ	
Dimming Protocols	DALI	

## MECHANICAL CHARACTERISTICS

Lens Material	PMMA and polycarbonate options
Ingress Protection Rating	IP66
Impact Resistance Rating	IK08



All information detailed within this datasheet is accurate at the date of issue. The information provided is subject to change at our discretion. If any questions arise or extra information is required, please contact TRT Lighting directly. Retrofit Geartray Datasheet issue Nov 2025.



FOR MORE INFORMATION

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