

TR3 LED Transit Colorlight Optical Lens Selection Guide

5.5 inch (140 mm)



Compatible with all GE Lumination TR3 products*

(ex: TR3-RCFB-501A)

Follow these steps to select the right lens for your application

- **Step 1** Review Table 1 to select the right lens for your existing housing. Order the demo kit (TR3-L-DEMO-KIT) if you are unsure of your requirements to obtain a sample of all available lenses.
- **Step 2** Review Table 2 to select the appropriate kit number.
- **Step 3** Order lens kits and lamps from your GE Lumination distributor.
- **Step 4** Install lens according to installation instructions (provided with kits).
- **Step 5** Conduct sighting tests to validate the lamp/lens combination.

*For information on available TR3 LED signals, refer to data sheet RAIL130.



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Table 1: Lens Dimensions Dimensions in metric. [in] indicates inches equivalent

Lens Drawing	A	B	C	D	E	F	G	H	I
A	120 mm / [4.72]	107 mm / [4.21]	120 mm / [4.72]	139 mm / [5.47]	139 mm / [5.47]	139 mm / [5.47]	125 mm / [4.92]	120 mm / [4.72]	125 mm / [4.92]
B	101 mm / [3.98]	89 mm / [3.5]	101 mm / [3.98]	-----	-----	-----	-----	101 mm / [3.98]	
C	-----	142 mm / [5.59]	-----	-----	-----	-----	-----	-----	
D	-----	124 mm / [4.88]	-----	-----	-----	-----	-----	-----	
E	-----	-----	19 mm / [0.75]	-----	-----	19 mm / [0.75]	19 mm / [0.75]	-----	

Table 2: Available Lens Kits

Kit Part Number (Order Number)	Qty Kit	Overall Shape	Material Colour	Front Face Type	Surface Finish of Front Face	Approximative Transmittance*	Lens Drawing
TR3-L-DEMO-KIT	24	N/A	N/A	N/A	N/A	N/A	N/A
TR3-L-0100-KIT	32	Square	Clear	Flat	Glossy	100%	A
TR3-L-0200-KIT	16	Square	Clear	Slanted	Glossy	100%	C
TR3-L-0300-KIT	32	Rectangular	Clear	Flat	Glossy	100%	B
TR3-L-0400-KIT	16	Square	Smoked	Slanted	Glossy	***	C
TR3-L-0500-KIT	32	Round	Clear	Collimating Lens	Glossy	**	D
TR3-L-0600-KIT	32	Round	Clear	Flat	Glossy	100% (reference)	E
TR3-L-0700-KIT	16	Round	Clear	Slanted	Glossy	100%	F
TR3-L-0800-KIT	32	Round	Clear	Flat	Frosted	87%	E
TR3-L-0900-KIT	16	Round	Clear	Slanted	Frosted	81%	F
TR3-L-1000-KIT	32	Round	Smoked	Flat	Glossy	26%	E
TR3-L-1100-KIT	16	Round	Smoked	Slanted	Glossy	***	F
TR3-L-1200-KIT	32	Square	Clear	Collimating Lens	Glossy	**	H
TR3-L-1300-KIT	16	Round	Clear	Slanted	Glossy	100%	G
TR3-L-1410-KIT	32	Round	Smoked	Flat	Frosted	72%	E
TR3-L-1420-KIT	32	Round	Smoked	Flat	Frosted	54%	E
TR3-L-1430-KIT	32	Round	Smoked	Flat	Frosted	36%	E
TR3-L-1440-KIT	32	Round	Smoked	Flat	Frosted	25%	E
TR3-L-1450-KIT	32	Round	Smoked	Flat	Frosted	10%	E
TR3-L-1510-KIT	32	Round	Smoked	Flat	Frosted	72%	I
TR3-L-1520-KIT	32	Round	Smoked	Flat	Frosted	54%	I
TR3-L-1530-KIT	32	Round	Smoked	Flat	Frosted	36%	I
TR3-L-1540-KIT	32	Round	Smoked	Flat	Frosted	25%	I
TR3-L-1550-KIT	32	Round	Smoked	Flat	Frosted	10%	I
TR3-L-1600-KIT	32	Round	Smoked	Flat	Glossy	***	I

*Relative to a RX0-05RC/P lens (round, clear, flat)
 **Optical lens collimated to 3° beam
 ***Contact a GE representative for details on these lenses

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