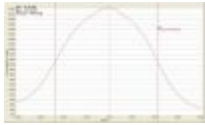
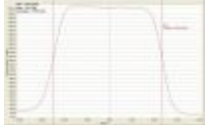
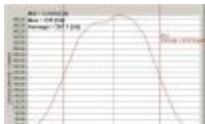
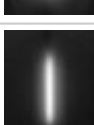
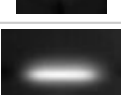


20.0MM ELLIPTICAL ORTHOGONAL TIR

Status	Production
Part no.	10192
Drawing no.	60430
Product type	Assembly
Type	TIR
Pieces	1
Diameter	20.0
Height	9.90
Beam	Elliptical Orthogonal
Flange	Yes
Files	Customer 3D model (.igs) Customer drawing (PDF)



LEDs & Performances	Eff.	FWHM	Cd/lm	Spot	Cross-section	Files
Cree XP-G XLamp White	85.5%	47.1 x 12.6	4.5			10192_cree_xpg_white_250408.ies
Cree MX-6 XLamp White	89.7%	46.4 x 19.6	3.0			10192_cree_MX6_white_250408.ies
SSC Z1 Z - Power White	83.3%	46.0 x 22.3	2.6			10192_Seoul_Z1_white_250408.ies
Osram Plus W5AM Dragon Cool White	86.0%	46.6 x 10.5	5.3			10192_Osram_Dragon_PLus_CoolWhite_250408.ies 10192_Osram_Dragon_PLus_CoolWhite_250408.Idt
Osram SSL 80 degree Oslon Ultra White	85.1%	47.6x8	6.2			10192_Oslon_wht_250408.Idt 10192_Oslon_wht_250408.ies
Nichia NCSL 119-H3 Top Emitting Warm White	86.5%	9.7x47.3	5.9			10192_Nichia_119_WarmWhite_250408.ies
SSC Z5 Z - Power Cool White	85.7%	8.5 x 48.3	5.9			10192_Seoul_Z5_white_250408.ies
LedEngin 3W White	83.8%	18.2 x 47.1	2.8			10192_LedEngin_3W_white_250408.ies
LedEngin 5W White	83.4%	17 x 46.5	2.9			10192_LedEngin_5W_white_250408.ies

Luminus Devices SST-50 White	83.6%	25.5 x 44.5	2.5			10192_Luminus_SST50_White_250408.ies
Everlight Shuen Warm White	85.3%	46.4	4.7			10192_Shuen_wwht_250408.ies
Everlight Shuen Cool White	85.5%	47.2	4.4			10192_Shuen_cwht_250408.ies
Avago Jade Cool White	90.1%	13.7 x 47.1	4.0			10192_Avago_Jade_cool white_250408.ies
Lumileds C Luxeon Cool White	84.5%	6.3 x 48.6	7.7			10192_Luxeon C_white_250408.ies
SSC P4 White	82.7%	14.8 x 47.1	3.6			10192_Seoul_New_P4_Pure_White_250408.ies
Cree XM-L XLamp White	84.5%	17.8 x 46.0	3.5			10192_Cree_XM-L_white_31-01-11.ies
Cree XM-L - EZW XLamp Warm White	85.5%	20.5 x 45.2	3.1			10192_Cree_XM-L - EZW_warm white_200511.ies
Cree XP-C XLamp White	86.1%	6 x 49.1	8.6			10192_Cree_XP-C_white_270611.ies
Osram SSL 150 degree Oslon Neutral White	86.0%	48.62x8.426.9				10192_Oslon 150_neutral white_280711.ies
SSC Z5P Z - Power Pure White	%	48.3 x 10.0	5.7			10192_Z5P_pure white_270911.ies
Cree XPG-Gen2 XLamp Warm White	%	11.1 x 45.6	5.8			10192_XPG Gen2_180712.ies
Samsung 3535 White	%	50.6 X 11.5	5.5			10192_Samsung 3535_cool white_101111.ies
SSC P4 version 8 Pure White	85.0%	11 x 46	4.8			10192_SSC P4 Version 8_Se24_10363 holder_051012.ies
Nichia 219 Warm White	%	12.7 X 46.9	5.1			20mm_10192_Nichia 219_120213.ies

Stanley 1N White	%	20 x 45.5	3.3			10192_Elliptical Orthogonal_St Stanley 1N_270912.ies
Cree XPE-2 XLamp Cool White	%	8 x 47.6	8.3			10192_Cree XPE-2 with 12073_05072013.ies

Related Holders & LEDs	Avago Jade White	Cree MX-6 White	Cree XM-L EZW Warm White	Cree XM-L Lamp White	Cree XP-C Lamp White	Cree XP-G Lamp White	Cree XPE-X Cool White	Cree XPG-2 Warm White	Everlight Gen2 Cool White	Hyperlight Shuer Warm White	Federal 3W White	Eutrac 5W White	Lumileds Luxed Cool White	Lumileds SST-50 Warm White	Nichia 219 Warm White	Nichia NCSL119- Top Emitting Warm White	Oslon Plus W5AM Dragon Cool White	Oslon SSL150 Neutral White	Oslon SSL80 Ultra White	Samsung A535 White	SSC P4 Version 8 Pure White	SSC P4 White	SSC Z1 Z- Power White	SSC Z5 Z- Power Cool White	SSC Z5M Z- Power White	SSC Z5P Z- Power Pure White
																					✓	✓				
																	✓									
																	✓									
																	✓									
																	✓									
10035 20.0mm Round - Flat Bottom Black																					✓	✓				
10148 20.0mm Round - Flat Bottom Black																	✓									
10148-TS 20.0mm Round - Flat Bottom Black																	✓									
10149 20.0mm Round - Flat Bottom Clear																	✓									
10149-TS 20.0mm Round - Flat Bottom Clear																	✓									
10150 20.0mm Round - Flat Bottom White																	✓									
10150-TS 20.0mm Round - Flat Bottom White																	✓									
10236-TS 20.0mm Round - Flat Bottom White																										
10237-TS 20.0mm Round - Flat Bottom Clear																										
10273 50.0mm Triple - Locator Pins White																						✓				
10276 50.0mm Triple - Locator Pins White																	✓									
10283 50.0mm Triple - Locator Pins White																						✓				
10286 50.0mm Triple - Locator Pins White																	✓									
10293 50.0mm Triple - Locator Pins Black																	✓					✓				
10296 50.0mm Triple - Locator Pins Black																	✓						✓			
10303 50.0mm Triple - Locator Pins Black																						✓				
10306 50.0mm Round - Flat Bottom Black																	✓									
10363 20.0mm Round - Flat Bottom Black																						✓				
10363-TS 20.0mm Round - Flat Bottom Black																						✓				
10364 20.0mm Round - Flat Bottom White																						✓				
10365 20.0mm Round - Flat Bottom Clear																						✓				
10630 20.0mm Round - Locator Pins White																								✓		
10631 20.0mm Round - Locator Pins White	✓										✓					✓										
10632 20.0mm Round - Locator Pins White					✓				✓	✓			✓					✓	✓							✓
10634 20.0mm Round - Locator Pins White						✓																				
10637 20.0mm Round - Locator Pins White		✓																								

[illegible]

its final strength in 72 hours, dependent on the material and ambient conditions.

We request that the customer ensures (and fully tests) the suitability and sufficiency of the bond in his product. For example, mechanical stress, vibration and holes on the surface of the circuit board can weaken the strength of the tape.

Disclaimer - Taped Holders

Shelf Life - There is 1 year expected shelf life from the date of purchase direct from Carclo.

All Carclo lenses supplied with tape use the same high strength double-coated tape (unless otherwise mentioned in the datasheet). This tape is specifically selected for this application.

These tapes generally work well together with PCBs and LEDs on the market. The customer must take the necessary measures to ensure complete compatibility with their particular application, product, PCB, LED and/or other components.

Testing and verifying of the adhesives and their combinations is the responsibility of the customer.

The customer is solely responsible for evaluating the application of double sided tape to Carclo Holders and the adhesion of double sided tape holders to determine whether such double-sided tape is fit for a particular purpose and suitable for the users method of application. The selection of double-sided tape in the adhesion of double sided tape holders is not covered by Carclo's warranty.

Carclo cannot take responsibility for the results obtained by others whose methods we cannot control. It is always the customer's responsibility to determine the adhesive's suitability for their product and to take precautions for protection of property and persons against any hazards that may be involved in the handling and use of adhesives. Carclo disclaims all warranties, including warranties of merchantability or suitability for a particular purpose, arising from use of any adhesive product. Carclo disclaims any liability for consequential or incidental damages of any kind, including lost profits.

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