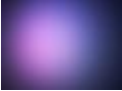
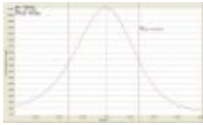



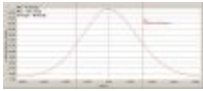


26.5MM WIDE SPOT TIR

Status	Production
Part no.	10394
Drawing no.	60510
Product type	Optic
Type	TIR
Pieces	1
Diameter	26.5
Height	13.30
Beam	Wide Spot
Flange	No
Files	Customer drawing (PDF) Customer 3D model (.igs)



LEDs & Performances	Eff.	FWHM	Cd/lm	Spot	Cross-section	Files
Cree MC-E XLamp White	83.5%	35	2.2			10394_Cree_MCE_white_250408.ies
SSC P5-II RGB	77.1%	34.4	2.1			10394_seoul_P5_RGB_250408.ies
Osram Plus W5AM Dragon Cool White	0.0%		0.0			10394_Osram_Dragon_PLus_CoolWhite_250408.Idt 10394_Osram_Dragon_PLus_CoolWhite_250408.ies
Osram Platinum Dragon W5SN Dragon White	83.0%	25.8	3.6			10394_PlatformDragon_W5SN_wht_250408.Idt 10394_PlatformDragon_W5SN_wht_250408.ies
Osram Golden Dragon W5SM Dragon White	80.6%	25.6	3.6			_10394_Osram_G_Dragon_W5SM_white_250408.Idt _10394_Osram_G_Dragon_W5SM_white_250408.IES
SSC A2 Acrich White	78.3%	29.0	3.2			10394_seoul_Acrich2000_cWhite_250408.ies
Osram Lighting Ostar White	78.7%	30.7	2.8			10394_Ostar_wht_250408.Idt 10394_Ostar_wht_250408.ies
Nichia 083 Top Emitting Cool White	%					
Cree MC-E XLamp RGBW	83.9%	34.4	3.4			10394_Cree_MCE_RGBW_021208.ies
Luminus Devices SST-90 White	80.4%	40.8	1.6			10394_Luminus_SST90_White_250408.ies
Luminus Devices SST-50 White	78.6%	33.6	2.4			10394_Luminus_SST50_White_250408.ies
LedEngin 10W White	82.0%	34	2.1			10394_Led Engin_MC_White_10W.IES

Avago Moonstone RGB	84.7%	29.2	2.2			10394_Avago_Moonstone_RGB_250408.ies
Cree XM-L - EZW XLamp Warm White	79.5%	33.3	2.5			10394_Cree_XM-L - EZW_warm white_230511.ies
Stanley 3J White	%	30.9	2.7			10394_GSPW1643J Warm White_21032012.ies

Related Holders & LEDs	Avago Moonstone RGB	Cree MC-E XLamp RGBW	Cree MC-E XLamp White	Cree XM-L - EZW XLamp Warm White	LedEngin 10W White	Luminus Devices SST-50 White	Luminus Devices SST-90 White	Nichia 083 Top Emitting Cool White	Osram Golden Dragon W5SM Dragon White	Osram Lighting Ostar White	Osram Platinum Dragon W5SN Dragon White	Osram Plus W5AM Dragon Cool White	SSC A2 Acrich White	SSC P5-II RGB	Stanley 3J White
10441 26.5mm Round - Locator Pins White								✓		✓					
10442 26.5mm Round - Locator Pins White					✓									✓	
10445 26.5mm Round - Locator Pins White									✓		✓	✓			
10446 26.5mm Round - Locator Pins White		✓	✓												
10451 26.5mm Round - Locator Pins White								✓		✓					
10452 26.5mm Round - Locator Pins White					✓									✓	
10455 26.5mm Round - Locator Pins White									✓		✓	✓			
10456 26.5mm Round - Locator Pins White		✓	✓												
10461 26.5mm Round - Locator Pins White								✓		✓					
10462 26.5mm Round - Locator Pins White					✓									✓	
10465 26.5mm Round - Locator Pins White									✓		✓	✓			
10466 26.5mm Round - Locator Pins White		✓	✓												
10471 26.5mm Round - Locator Pins Black								✓		✓					
10472 26.5mm Round - Locator Pins Black					✓									✓	
10475 26.5mm Round - Locator Pins Black									✓		✓	✓			
10476 26.5mm Round - Locator Pins Black		✓	✓												
10481 26.5mm Round - Locator Pins Black								✓		✓					
10482 26.5mm Round - Locator Pins Black					✓									✓	
10485 26.5mm Round - Locator Pins Black									✓		✓	✓			
10486 26.5mm Round - Locator Pins Black		✓	✓												
10491 26.5mm Round - Locator Pins Black								✓		✓					✓
10492 26.5mm Round - Locator Pins Black					✓									✓	
10495 26.5mm Round - Locator Pins Black									✓		✓	✓			
10496 26.5mm Round - Locator Pins Black		✓	✓												

Carclo Optics endeavours to continuously improve and renew its products; for this reason the technical data and contents of this catalogue may undergo variations without prior notice. For correct and up to date information, Carclo suggest using the Opticselect tool on our website <http://www.carclo-optics.com>.
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General Instruction - Optics & Holders

Handling instructions

- Do not handle or install lenses without wearing gloves, skin oils may damage the lens or the light transmission.
- Clean lenses with a mild soap and water and dry with a clean soft cloth.
- Do not use any commercial solvents on lenses.
- Mount holders with low Odour epoxies and allow time for them to out gas to stop lenses fogging.

Disclaimer - Optics & Holders

Please note that flow lines, weld lines, surface scratches and small black or white inclusions within the lenses are acceptable if the optical performance of the lens is within the specification described below:

For optics that have FWHMs of 20 degrees or less, the general tolerance is ± 2 degrees OR the tolerances stated below - whichever is the greater.

For all optics except Rippled and Frosted;

- FWHM = Datasheet Value $\pm 10\%$.

For all Rippled and Frosted Optics;

- FWHM = Datasheet Value $\pm 20\%$

For all Optics;

- Efficiency = Datasheet Value $\pm 10\%$

The yellowing / browning of polycarbonate lenses and holders can occur due to the natural ageing process and exposure to heat and UV and as such is not covered by Carclo's warranty.

General Instruction - Taped Holders

Click here to view the 3M Technical Data Sheet

- When assembling the pre-taped holder onto the mating surface, the application must be made straight and square, so that the tape bonds consistently with mating surface. Assembly at an angle might cause an imperfect bond to the mating surface.
- Remember to ascertain the compatibility of the different substrates with the tape, as humidity and temperature fluctuations will weaken it's adhesive.
- To obtain optimum adhesion, the bonding surfaces must be clean, dry, free from grease and dirt and must be well unified.
- Some typical surface cleaning solvents are isopropyl alcohol or heptane. *
- ** If cleaning of PCB or LED surfaces is required, please follow strictly the cleaning instructions recommended by your PCB and/or LED manufacturer - this is important to note, as cleaning in some circumstances can damage LEDs or other electronic components on the PCB. Please also note that optical components should not be cleaned using any chemicals - only a micro fibre cloth should be used to remove fingerprints or other traces from handling.*
- ** Carefully read and follow the manufacturer's precautions and directions for use when working with solvents. These cleaning recommendations may not be compliant with the rules of certain Air Quality Management Districts in California; consult applicable rules before use.*

Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure and moderate heat, from 100°F (38°C) to 130°F (54°C), will assist the adhesive in developing intimate contact with the bonding surface.

Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

During assembly the optic when placed on the PCB should be firmly held for 1-5 seconds to ensure the best possible bond. The tape will reach its final strength in 72 hours, dependent on the material and ambient conditions.

Carclo Optics 103 Buckingham Ave, Slough, Berkshire, SL1 4PF ENGLAND

We request that the customer ensures (and fully tests) the suitability and sufficiency of the bond in his product. For example, mechanical stress,

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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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