26.5MM PLAIN TIGHT TIR

Status Production Part no. 10048 Drawing no. 60367 Product type Optic Type TIR Pieces 1 Diameter 26.5 Height 13.90 Beam Plain Tight

Flange Yes

Comments Carclo Technical

Plastics endeavours to continuously improve and upgrade its products after release. For this reason, the technical data and beam representations included in Carclo LED Optics data sheets may change over time and without prior notice. For the most up-to-date information, Carclo suggests using the (LÖGO) OpticSelect tool on our website www.carclo-optic.com



Files Customer drawing

(PDF)

Customer 3D model (.igs)

FWHM Files I FDs & Performances Fff Cd/lm Spot Cross-section Lumileds Luxeon Rebel Cool White 85.9% 6.7 44.8 Lumileds Luxeon Rebel Warm White 65.0 87.8% 5.7 10048_rebel_warm_white_250408.ies Cree XR® XLamp® White 13.8 10048_cree_XR_white_250408.IES 88 5% 10.2 Cree XR-E® XLamp® White 88.3% 5.65 42.2 10048_Cree_XRE_White_250408.IES Cree XR-C® XLamp® White 88.5% 5.4 52.3 10048_Cree_XRC_White_250408.ies Cree XP-E XLamp® White 86.9% 46.4 6.1 10048_cree_xpe_white_250408.ies Cree XP-G XLamp® White 85.8% 8.6 31.2 10048_cree_xpg_white_250408.ies Cree MX-6 XLamp® White 89.1% 10.5 16.7 10048_cree_MX6_white_250408.ies SSC P4 Cool White 89.1% 27.0 10048_Seoul_P4_Cool_White_250408.ies 6.95

Carclo Technical Plastics 103 Buckingham Ave, Slough, Berkshire, SL1 4PF ENGLAND Tel: +44 (0)1753 575011 Fax: +44 (0)1753 811359

SSC Z1 White	87.8%	11.2	11.8			10048_Seoul_Z1_white_250408.ies
Osram Golden Dragon W5SG Dragon White	87.0%	5.6	31.0		E79.	10048_Golden_Dragon_W5SG_White_250408.ldt 10048_Golden_Dragon_W5SG_White_250408.ies
Osram SSL 80 degree Oslon Ultra White	86.5%	5.5	58.4	٠	E 1005	10048_Oslon_wht_250408.ldt 10048_Oslon_wht_250408.ies
Nichia NFSW 036 Top Emitting Cool White	87.1%	3.6	71.1	*	EVE.	10048_Nichia_036_CoolWhite_250408.ies
Nichia NCSL 119-H3 Top Emitting Warm White	86.5%	5.6	56.6		EVII.	10048_Nichia_119_WarmWhite_250408.ies
Nichia NS3W 183T Top Emitting White	86.1%	11.1	14.4			10048_Nichia_183_White_250408.ies
SSC Z5 Cool White	88.3%	6.4	71.8		571.	10048_Seoul_Z5_white_250408.ies
Stanley 1643 3U Cool White	88.3%	12.6	14.2			10048_SCW1643US_cool white_250408.ies
LedEngin 3W White	85.6%	8.3	18.6			10048_LedEngin_3W_white_250408.ies
LedEngin 5W White	84.9%	7.8	20.6		200.	10048_LedEngin_5W_white_250408.IES
Stanley 1653 3U Warm White	88.7%	11.2	19.5			10048_SCW1653US_warm white_250408.ies
Everlight Shuen Warm White	87.9%	8.3	31.8		-	10048_Shuen_wwht_250408.ies
Everlight Shuen Cool White	87.8%	7.8	29.9	•	-	10048_Shuen_cwht_250408.ies
Avago Aveon Cool White	84.9%	6.9	25.7		539.	10048_Avago_Aveon_cool white_250408.ies

Avago Jade Cool White	88.8%	8.4	20.1	٠	ER.	10048_Avago_Jade_cool white_250408.ies
Samsung WH5 White	88.2%	8.3	18.9		E.T.	10048_Sunnix Samsung_SLHNN WH5_cWhite_250408.ies
Lumileds ES Luxeon Rebel Cool White	86.1%	9.1	30.6		NA.	10048_Luxeon_Rebel_ES_cool_white_070311.ies
Lumileds C Luxeon Cool White	83.5%	3.9	106.2	٠		10048_Luxeon C_white_250408.ies
SSC P4 Version 7 Cool White	88.8%	9.9	20.8		E-PH-	10048_Seoul_New_P4_Pure_White_250408.ies
Cree XM-L White	85.9%	12.4	16.8		C. Trial	10048_Cree_XM-L_white_31-01-11.ies
Cree XP-C White	87.3%	3.6	150.8			10048_Cree_XP-C_white_290611.ies
SSC Z5P pure white	87.3%	6.8	53.7		an.	10048_Z5P_purewhite_280911.ies

Related Holders & LEDs	Avaç Avec Cool Whit	goAvaç onJade I Cool teWhit	g©ree e MX-6 I XLan teWhite	Cree XB-E XL ar nb® Wari eWhit	e D Cree m)&®-1 mWhit te	£ree LXP-C Ma∕hit∉	Cree XP-E XLar Whit	Cree XP-G n≱w®ar eWhit	Cree XR® nMaan eWhit	Cree XR-C n∭s®an eWhite	Cree ®(R-E n)≰®an eWhit	Ever Shue n p ool eWhite	li ghe r erShue Warr eWhite	light EedE 13W n White	n lgeid lE 5W eWhite	Lumi In © n Luxe eCool White	Lumi ES Luxe Rebe Cool White	Luxe Luxe Rebe Cool White	il eds n druxe IRebe Neut eWhit	il eds ni druxe elRebe r av arr eWhite	INCH INCSI of 19-1 PTop nEmitt eWarn White	LNFSV H836 Top tilbignitt nCool eWhite	NS3V 183T Top Enit White	iaOsrai NGolde Drage W5S0 tibgage eWhite	Oslo	San eWH nWh
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12064 26.5mm Universal Black													
12065 26.5mm Universal Clear													
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12067 26.5mm Universal Clear													

Carclo Technical Plastics 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. Copyright © Carclo 2010

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 all optics except Rippled and Frosted;

• FWHM = Datasheet Value +/-10%.

For all Rippled and Frosted Optics;

• FWHM = Datasheet Value +/-20%

For all Optics;

• Efficiency = Datasheet Value +infinity / -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 Bond straight attacked the straight and square and moderate heat, from 100°F (38°C) to 130° 5 (64f Combitir assistance and tree intering and the intering and the

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 ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application temp

* Carefully read and follow the manufacturer's precautions an

may not be compliant with the rules of certain Air Quality Manageme
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 streng 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 Carclo Technical Plastics 103 Buckingham Ave, Slough, Berkshire, SL1 4PF ENGLAND Tel: +44 (0)1753 575011 Fax: +44 (0)1753 811359

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 is 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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