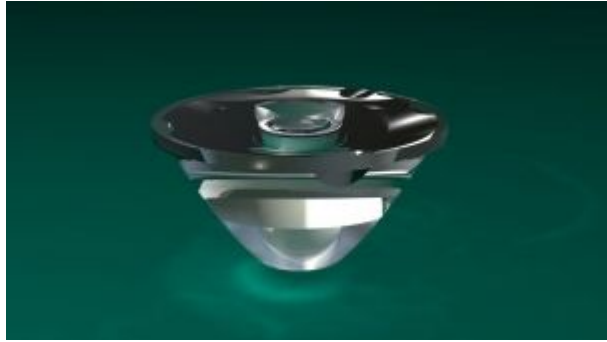

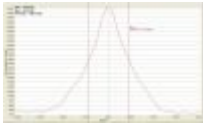





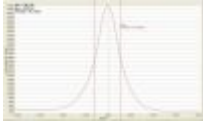

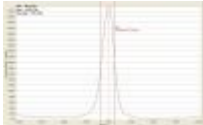

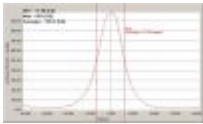

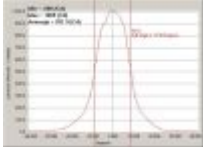

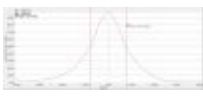



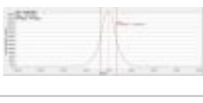




## 20.0MM PLAIN TIGHT TIR

<b>Status</b>	Production
<b>Part no.</b>	10003
<b>Drawing no.</b>	60318
<b>Product type</b>	Optic
<b>Type</b>	TIR
<b>Pieces</b>	1
<b>Diameter</b>	20.0
<b>Height</b>	9.90
<b>Beam</b>	Plain Tight
<b>Flange</b>	Yes
<b>Files</b>	Customer 3D model (.igs) Customer drawing (PDF)



LEDs & Performances	Eff.	FWHM	Cd/lm	Spot	Cross-section	Files
Cree XP-G XLamp® White	87.9%	12.4	16.7			10003_cree_xpg_white_250408.ies
Cree MX-6 XLamp® White	90.2%	15	8.5			10003_cree_MX6_white_250408.ies
SSC Z1 White	87.1%	17.6	6.4			10003_Seoul_Z1_white_250408.ies
Osram Plus W5AM Dragon Cool White	88.2%	7.75	28.7			10003_Osram_Dragon_PLus_CoolWhite_250408.Idt 10003_Osram_Dragon_PLus_CoolWhite_250408.ies
SSC P4 Cool White	87.7%	9.5	12.5			10003_Seoul_P4_Cool_White_250408.ies
Osram SSL 80 degree Oslon Ultra White	86.1%	7.2	33.8			10003_Oslon_wht_250408.ies 10003_Oslon_wht_250408.Idt
Nichia NCSL 119-H3 Top Emitting Warm White	88.8%	8.6	27.3			10003_Nichia_119_WarmWhite_250408.ies
SSC Z5 Cool White	88.0%	7.8	35.4			10003_Seoul_Z5_white_250408.ies
LedEngin 3W White	86.8%	11.0	10.0			10003_LedEngin_3W_white_250408.ies
LedEngin 5W White	85.7%	11.3	9.9			10003_LedEngin_5W_white_250408.ies

Luminus Devices SST-50 White	86.0%	18	5.5			10003_Luminus_SST50_White_250408.ies
Everlight Shuen Warm White	87.2%	12	17.5			10003_Shuen_wwht_250408.ies
Everlight Shuen Cool White	87.7%	11.1	16.7			10003_Shuen_cwht_250408.ies
Avago Jade Cool White	90.1%	11.3	12.0			10003_Avago_Jade_cool white_250408.ies
Lumileds C Luxeon Cool White	86.2%	5.8	58.4			10003_Luxeon C_white_250408.ies
SSC P4 Version 7 Cool White	86.2%	12.8	11.4			10003_Seoul_New_P4_Pure_White_250408.ies
Cree XM-L White	87.4%	17.3	8.6			10003_Cree_XM-L_white_31-01-11.ies
Cree XM-L - EZW Warm White	86.9%	15.0	6.4			10003_Cree_XM-L - EZW_warm white_200511.ies
Cree XP-C White	86.3%	5.1	64.0			10003_Cree_XP-C_white_270611.ies
Osram SSL 150 degree Oslon Neutral White	87.0%	7.1	37.4			10003_Oslon_150_neutral white_280711.ies
SSC Z5P pure white	85.8%	9.3	27.0			10003_Z5P_pure white_280911.ies

Related Holders & LEDs	Avago Jade Cool White	Cree MX-6 XLamp White	Cree XM-L - 3W Warm White	Cree XM-L White	Cree XP-C White	Cree XP-G XLamp White	Everlight Shuen Cool White	Everlight Shuen Warm White	Everlight 3W White	Engrad 5W White	Engrad Luxeon Cool White	Engrad Luxeon SST-50 White	Lumileds Devices Top Emitting Warm White	Nichia NCSL19-H3 Cool White	Osram Plus W5AM Dragon Cool White	Osram SSL 150 degree Neutra White	Osram SSL 80 degree Ultra White	SSC P4 Cool White	SSC P4 Version 7 Cool White	SSC Z1 White	SSC Z5 Cool White	SSC Z5P pure white
10148 20.0mm Circular Black															✓							
10148-TS 20.0mm Self Adhesive (TS) Black															✓							
10149 20.0mm Circular Clear															✓							
10149-TS 20.0mm Self Adhesive (TS) Clear															✓							
10150 20.0mm Circular White															✓							
10150-TS 20.0mm Self Adhesive (TS) White															✓							
10273 50.0mm Triple White																		✓	✓			
10276 50.0mm Triple White															✓							
10283 50.0mm Triple White																		✓	✓			
10286 50.0mm Triple White															✓							
10293 50.0mm Triple Black																		✓	✓			
10296 50.0mm Triple Black															✓							
10303 50.0mm Triple Black																		✓	✓			
10306 50.0mm Circular Black															✓							
10363 20.0mm Circular Black																		✓	✓			
10363-TS 20.0mm Self Adhesive (TS) Black																		✓	✓			
10364 20.0mm Circular White																		✓	✓			
10364-TS 20.0mm Self Adhesive (TS) White																		✓	✓			
10365 20.0mm Circular Clear																		✓	✓			
10365-TS 20.0mm Self Adhesive (TS) Clear																		✓	✓			
10630 20.0mm Universal White																						✓
10631 20.0mm Universal White	✓								✓					✓								
10632 20.0mm Universal White					✓		✓	✓			✓					✓	✓					✓
10634 20.0mm Universal White						✓																
10637 20.0mm Universal White		✓																				
10650 20.0mm Universal White																						✓
10651 20.0mm Universal White	✓								✓					✓								
10652 20.0mm Universal White					✓		✓	✓			✓					✓	✓					✓
10654 20.0mm Universal White						✓																
10657 20.0mm Universal White		✓																				
10670 20.0mm Universal White																						✓
10671 20.0mm Universal White	✓								✓					✓								
10672 20.0mm Universal White					✓		✓	✓			✓					✓	✓					✓
10674 20.0mm Universal White						✓																
10677 20.0mm Universal White		✓																				





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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