

20.0MM FROSTED WIDE TIR

Status Production
Part no. 10140
Drawing no. 60460
Product type Assembly
Type TIR
Pieces 1
Diameter 20.0
Height 9.90
Beam Frosted Wide
Flange Yes
Files [Customer drawing \(PDF\)](#)
[Customer 3D model \(.igs\)](#)



LEDs & Performances	Eff.	FWHM	Cd/lm	Spot	Cross-section	Files
Cree XP-G XLamp® White	79.1%	31.1	2.6			10140[R2]_cree_xpg_white_250408.ies
Cree MX-6 XLamp® White	82.3%	42.5	1.6			10140[R2]_cree_MX6_white_250408.ies
SSC Z1 White	76.4%	43.4	1.4			10140_Seoul_Z1_white_250408.ies
Osram Dragon Plus W5AM Dragon Cool White	78.9%	36.5	1.9			10140_Osram_Dragon_PLus_CoolWhite_250408.ltd 10140_Osram_Dragon_PLus_CoolWhite_250408.ies
SSC P4 Cool White	82.0%	31.8	2.5			10140_Seoul_P4_Cool_White_2504088.ies
Osram Oslon SSL Oslon Ultra White	78.5%	31	2.7			10140_Oslon_wht_250408.ltd 10140_Oslon_wht_250408.ies
Nichia NCSL 119-H3 Top Emitting Warm White	81.4%	29.7	3.1			10140_Nichia_119_WarmWhite_250408.ies
SSC Z5 Cool White	80.8%	26.4	3.3			10140[R2]_Seoul_Z5_white_250408.ies
LedEngin 3W White	76.9%	38.6	1.7			10140_LedEngin_3W_white_250408.ies
LedEngin 5W White	77.3%	38.1	1.7			10140_LedEngin_5W_white_250408.ies

R0.5

Luminus Devices SST-50 White	75.0%	48.9	1.1			10140_Luminus_SST50_White_250408.ies
Everlight Shuen Warm White	78.7%	32.4	2.5			10140_Shuen_wwht_250408.ies
Everlight Shuen Cool White	81.2%	34.4	2.2			10140_Shuen_cwht_250408.ies
Avago Jade Cool White	82.2%	31.5	2.5			10140_Avago_Jade_cool white_250408.IES
Lumileds C Luxeon Cool White	79.5%	27.2	3.2			10140_Luxeon C_white_250408.ies
SSC P4 New Cool White	78.3%	38.5	1.8			10140_Seoul_New_P4_Pure_White_250408.ies
Cree XM-L White	78.3%	33.5	2.3			10140_Cree_XM-L_white_31-01-11.ies
Cree XM-L - EZW Warm White	80.3%	47.3	1.4			10140_Cree_XM-L - EZW_warm white_200511.ies

Related Holders & LEDs	Avago Jade Cool White	Cree MX-6 XLamp White	Cree XM-L - EZW Warm White	Cree XM-L White	Cree XP-G XLamp White	Everlight Shuen Cool White	Everlight Shuen Warm White	Engel LED 3W White	Engel LED 5W White	Lumileds C Luxeon Cool White	Lumileds C Luxeon Cool White	Luminus Devices SST-50 White	Nichia NSCL19-H3 Top Emitting Warm White	Osram Dragon Plus W5AM Dragon Cool White	Osram Oslon SSL Oslon Ultra White	SSC P4 Cool White	SSC P4 New Cool White	SSC Z1 White	SSC Z5 Cool White
10148 20.0mm Circular Black														✓					
10149 20.0mm Circular Clear														✓					
10150 20.0mm Circular 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																✓	✓		
10364 20.0mm Circular White																✓	✓		
10365 20.0mm Circular Clear																✓	✓		

Carclo Technical Plastics 111 Buckingham Ave, Slough, Berkshire, SL1 4PF ENGLAND
 Tel: +44 (0)1753 575011 Fax: +44 (0)1753 811359

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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 epoxy's and allow time for them to out gas to stop lenses fogging.

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 to +/-10%. FWHM-Full (beam) Width as measured at one Half of Maximum intensity, information shown in the catalogue are based on our laboratory's tests.

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