

R0.5

20.0MM FROSTED NARROW TIR

Status Production
Part no. 10138
Drawing no. 60424
Product type Optic
Type TIR
Pieces 1
Diameter 20.0
Height 9.90
Beam Frosted Narrow
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	86.4%	14.3	11.4			10138_cree_xpg_white_250408.ies
Cree MX-6 XLamp® White	89.9%	20	5.5			10138_cree_MX6_white_250408.ies
SSC Z1 White	84.9%	21.3	4.4			10138_Seoul_Z1_white_250408.ies
Osram Dragon Plus W5AM Dragon Cool White	87.3%	12.3	13.4			10138_Osram_Dragon_PLus_CoolWhite_250408.Idt 10138_Osram_Dragon_PLus_CoolWhite_250408.ies
SSC P4 Cool White	82.0%	15.4	4.4			10138_Seoul_P4_Cool_White_250408.ies
Osram Oslon SSL Oslon Ultra White	86.4%	11.5	14.7			10138_Oslon_wht_250408.Idt 10138_Oslon_wht_250408.ies
Nichia NCSL 119-H3 Top Emitting Warm White	87.0%	12.2	14.3			10138_Nichia_119_WarmWhite_250408.ies
SSC Z5 Cool White	88.2%	12.3	14.0			10138_Seoul_Z5_white_250408.ies
LedEngin 3W White	86.0%	17.4	5.9			10138_LedEngin_3W_white_250408.ies
LedEngin 5W White	85.7%	17.1	5.8			10138_LedEngin_5W_white_250408.ies

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Luminus Devices SST-50 White	84.6%	23.8	3.8			10138_Luminus_SST50_White_250408.ies
Everlight Shuen Warm White	85.7%	14.6	10.8			10138_Shuen_wwht_250408.ies
Everlight Shuen Cool White	86.3%	14	10.3			10138_Shuen_cwht_250408.ies
Avago Jade Cool White	91.6%	16.7	7.6			10138_Avago_Jade_cool white_250408.ies
Lumileds C Luxeon Cool White	85.6%	10.1	19.7			10138_Luxeon C_white_250408.ies
SSC P4 New Cool White	85.3%	16.4	7.8			10138_Seoul_New_P4_Pure_White_250408.ies
Cree XM-L White	86.1%	18.6	7.3			10138_Cree_XM-L_white_31-01-11.ies
Cree XM-L - EZW Warm White	86.2%	20.9	4.6			10138_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	LedEngin 3W White	LedEngin 5W White	Lumileds C Luxeon Cool White	Lumileds Luxeon Cool White	Luminus Devices SST-50 White	Nichia NCSL 19-H3 Top Emitting Warm White	Osram Dragon Plus W5AM Dragon Cool White	Osram Osion SSL Osion 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																✓	✓			

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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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