

# Osram Golden DRAGON® LW W5SG 20mm range

Part No.	Description	White			Red/Amber			Green			Blue		
		FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm
10193	0.8mm Offset Focus Optic Tight	8.2	86%	13	5.4	85%	49	6.6	85%	23	5.8	83%	25
10194	0.8mm Offset Focus Optic Narrow Frosted	13	89%	11	9.7	87%	5.6	10	90%	14	10	87%	13
10195	0.8mm Offset Focus Optic Medium Frosted	21	85%	3.8	19	83%	5.6	22	85%	3.8	21	83%	3.8
10196	0.8mm Offset Focus Optic Wide Frosted												
10197	0.8mm Offset Focus Optic Elliptical	40 X 10	87%	5	43 X 6.8	87%	9.6	42 X 8.6	88%	5.5	44 X 7.6	86%	5.4
10198	0.8mm Offset Focus Optic Elliptical Orthogonal*	10 X 40	87%	5	6.8 X 43	87%	9.6	8.6 X 42	88%	5.5	7.6 X 44	85%	5.5
10208	0.8mm Offset Focus Medium Ripple	21	91%	4.8	14	91%	10	16	85%	6.0	15	87%	6.0
10209	0.8mm Offset Focus Wide Ripple												

\*Orthogonal is the elliptical beam turned through 90deg.

#Full Width Half Maximum i.e. total viewing angle

Part No.	Colour	Description
10148	Black	Osram Dragon Holder
10149	Clear	Osram Dragon Holder
10150	White	Osram Dragon Holder



**OSRAM**  
Opto Semiconductors

## Carclo Technical Plastics (Slough)

13 August 2007

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# Osram Golden Dragon® LW W5SM 20mm range

Part No.	Description	White			Red/Amber			Green			Blue		
		FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm
10193	0.8mm Offset Focus Optic Tight	5.4	90%	30	5.0	87%	55	6.2	88%	26	5.7	87%	26
10194	0.8mm Offset Focus Optic Narrow Frosted	10	89%	15	9.3	87%	25	10	87%	14	10	87%	14
10195	0.8mm Offset Focus Optic Medium Frosted	19	86%	4.2	17	85%	6.6	19	87%	4.1	19	87%	4.1
10196	0.8mm Offset Focus Optic Wide Frosted												
10197	0.8mm Offset Focus Optic Elliptical	39 x 7.8	87%	6.0	39 x 6.4	85%	9.2	41 x 8.7	88%	5.4	41 X 8.7	88%	5.3
10198	0.8mm Offset Focus Optic Elliptical Orthogonal*	7.8 x 39	87%	6.9	6.4 x 39	85%	9.2	8.7 x 41	88%	5.4	8.7 X 41	88%	5.4
10208	0.8mm Offset Focus Medium Ripple	14	91%	6.9	13	89%	11	14	88%	6.5	15	88%	6.5
10209	0.8mm Offset Focus Wide Ripple												

\*Orthogonal is the elliptical beam turned through 90deg.

#Full Width Half Maximum i.e. total viewing angle

Part No.	Colour	Description
10148	Black	Osram Dragon Holder
10149	Clear	Osram Dragon Holder
10150	White	Osram Dragon Holder



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# Osram Platinum Dragon® LW W5SN 20mm range

Part No.	Description	White			Red/Amber			Green			Blue		
		FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm	FWHM#	EFF	Cd/lm
10193	0.8mm Offset Focus Optic Tight	5.9	86%	36									
10194	0.8mm Offset Focus Optic Narrow Frosted	10.4	88%	24									
10195	0.8mm Offset Focus Optic Medium Frosted	20	85%	4.7									
10196	0.8mm Offset Focus Optic Wide Frosted												
10197	0.8mm Offset Focus Optic Elliptical	47 x 8	89%	6.7									
10198	0.8mm Offset Focus Optic Elliptical Orthogonal*	8 x 47	89%	6.8									
10208	0.8mm Offset Focus Medium Ripple	16	89%	7.1									
10209	0.8mm Offset Focus Wide Ripple	17	83%	3.3									

\*Orthogonal is the elliptical beam turned through 90deg.  
#Full Width Half Maximum i.e. total viewing angle

Part No.	Colour	Description
10148	Black	Osram Dragon Holder
10149	Clear	Osram Dragon Holder
10150	White	Osram Dragon Holder



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