

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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