

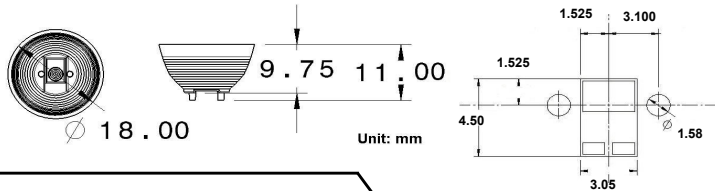
FEATURES AND PATTERN

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18 mm SERIES - 30° Half Angle - Part Number R-001s

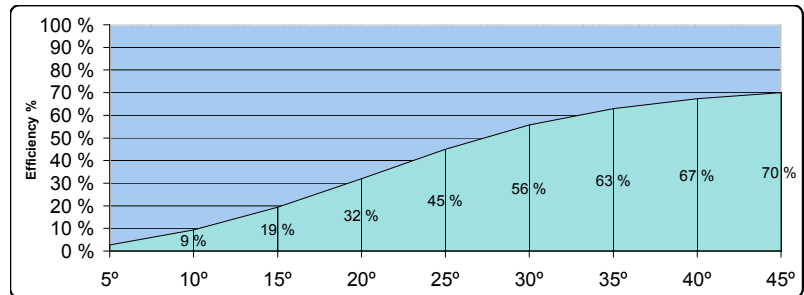
Lens Reference	DBM18A-30F-REW-3smooth version
Tested with LED	Luxeon Rebel 50lm White
HAD*	28 deg
Curve Type	FLAT
Lens Material	PMMA HT
Operating temperature	-40°C+110°C

*HAD = Half Angle Divergence



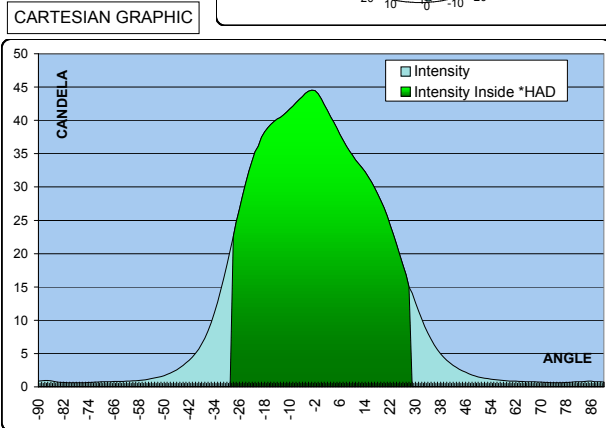
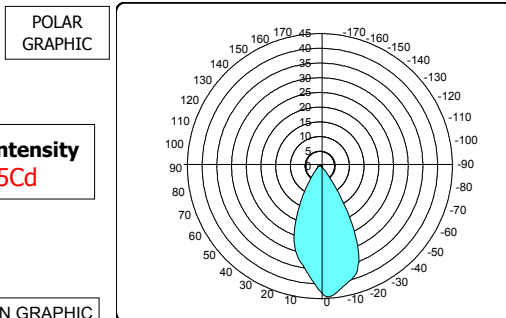
OPTICAL EFFICIENCY

Half Angle Divergence:	28 deg
HAD Efficiency:	52 %
Collection Efficiency:	79 %



OUTPUT DISTRIBUTION

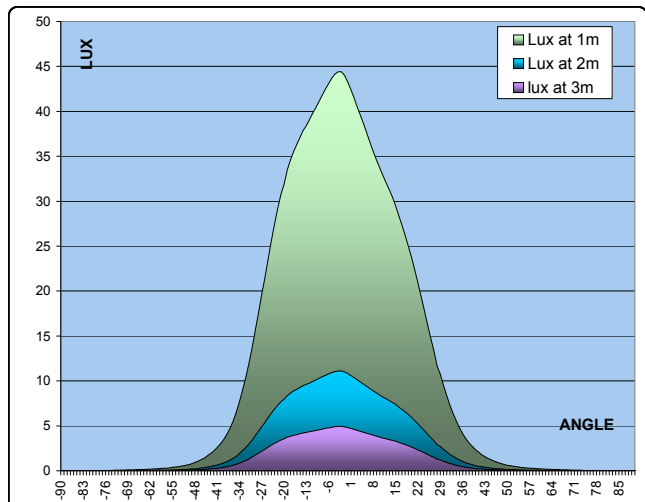
LED Flux: 45 Lumens at 350 mA



ILLUMINANCE

LED Flux: 45 Lumens at 350 mA

ILLUMINANCE VALUES AT VARIOUS DISTANCES			
RANGE	1.0 m	2.0 m	3.0 m
ILLUMINANCE	43 Lux	11 Lux	5 Lux
MULTIPLICATOR RATE LED+LENS / LED ONLY	3 X		



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