

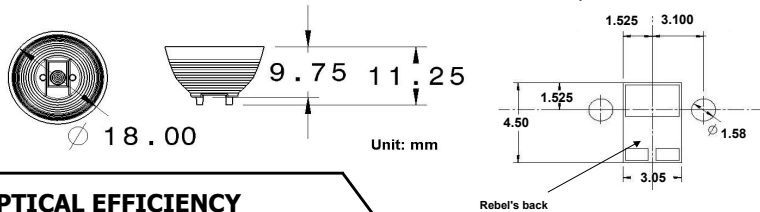
FEATURES AND PATTERN

www.dbmlighting.com

18 mm SERIES - 15° Half Angle - Part Number R-004

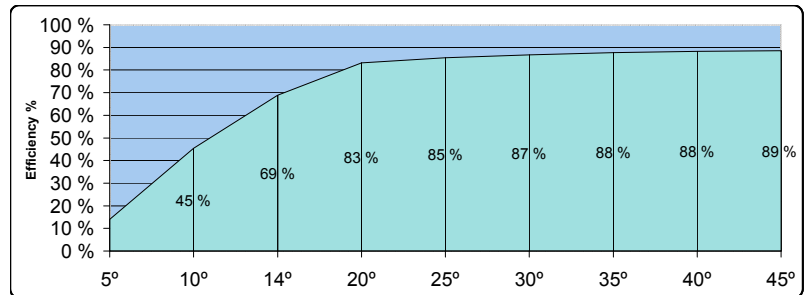
Lens Reference	DBM18A-15F-REW-1
Tested with LED	Luxeon Rebel 50lm White
HAD*	14 deg
Curve Type	PEAK
Lens Material	PMMA HT
Operating temperature	-40°C+110°C

*HAD = Half Angle Divergence



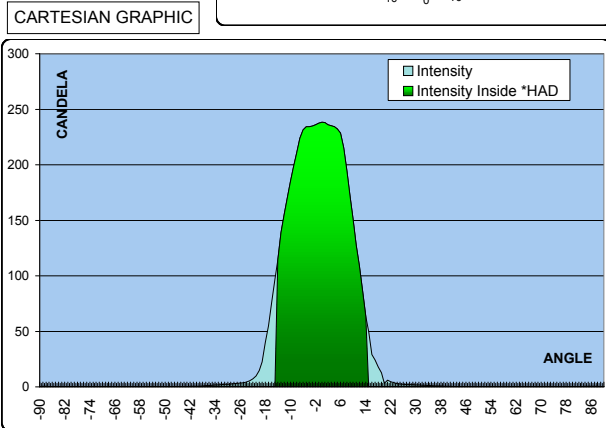
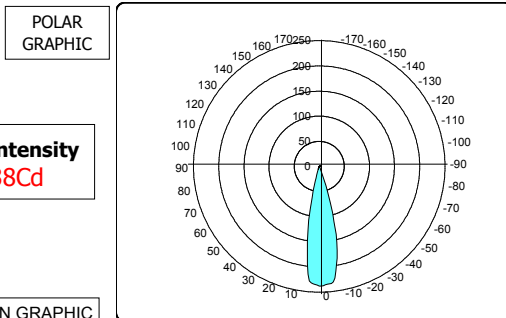
OPTICAL EFFICIENCY

Half Angle Divergence:	14 deg
HAD Efficiency:	67 %
Collection Efficiency:	91 %



OUTPUT DISTRIBUTION

LED Flux: 48 Lumens at 350 mA



ILLUMINANCE

LED Flux: 48 Lumens at 350 mA

ILLUMINANCE VALUES AT VARIOUS DISTANCES			
RANGE	1.0 m	2.0 m	3.0 m
ILLUMINANCE	238 Lux	60 Lux	26 Lux
MULTIPLICATOR RATE LED+LENS / LED ONLY	14 X		

