

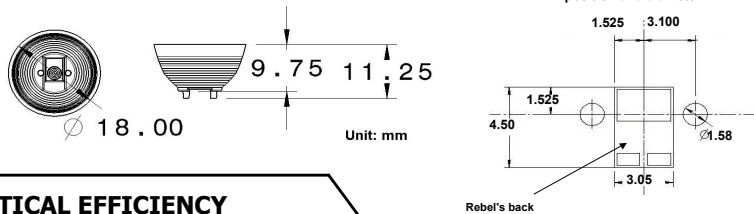
FEATURES AND PATTERN

www.dbmlighting.com

18 mm SERIES - 5° Half Angle - Part Number R-003s

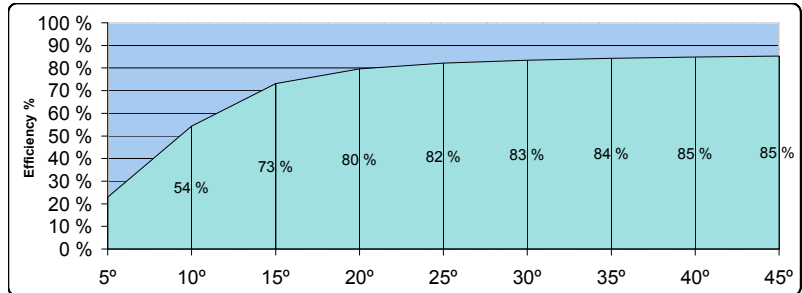
Lens Reference	DBM18A-5P-REW-1
Tested with LED	Luxeon Rebel 50lm White
HAD*	7 deg
Curve Type	PEAK
Lens Material	PMMA HT 121
Operating temperature	-40°C+110°C

*HAD = Half Angle Divergence



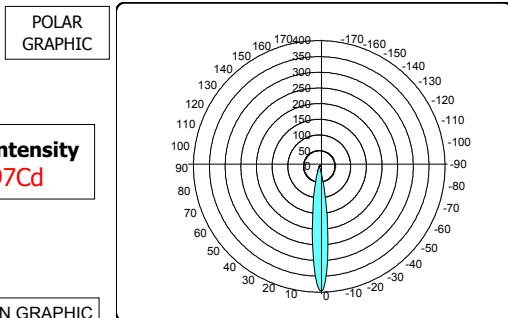
OPTICAL EFFICIENCY

Half Angle Divergence:	7 deg
HAD Efficiency:	36 %
Collection Efficiency:	89 %

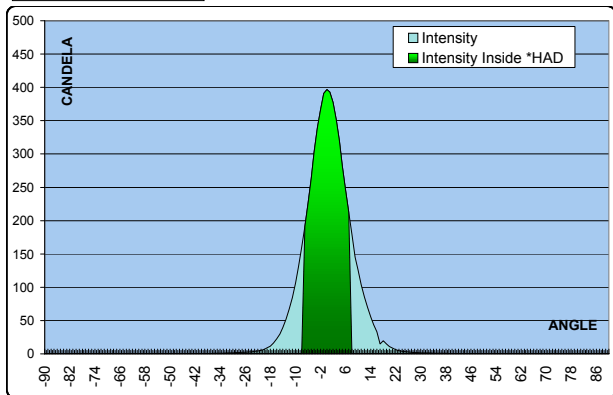


OUTPUT DISTRIBUTION

LED Flux: 40 Lumens at 350 mA



CARTESIAN GRAPHIC



ILLUMINANCE

LED Flux: 40 Lumens at 350 mA

ILLUMINANCE VALUES AT VARIOUS DISTANCES			
RANGE	1.0 m	2.0 m	3.0 m
ILLUMINANCE	397 Lux	99 Lux	44 Lux
MULTIPLICATOR RATE LED+LENS / LED ONLY	30 X		

