

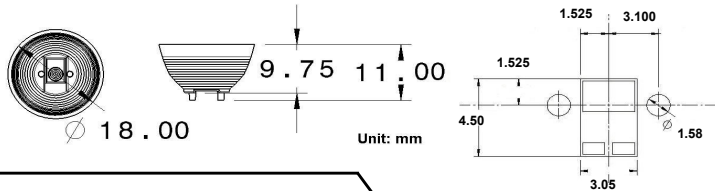
## FEATURES AND PATTERN

[www.dbmlighting.com](http://www.dbmlighting.com)

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

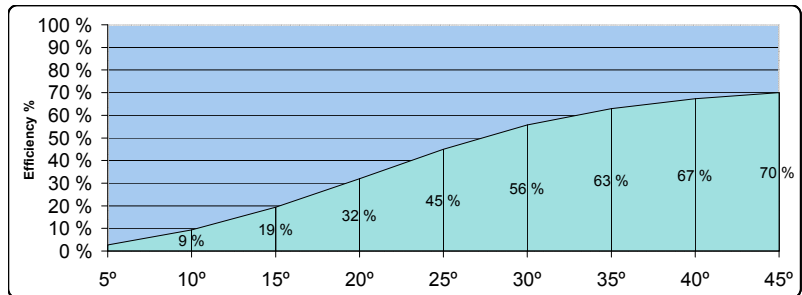
Lens Reference	DBM18A-30F-REW-3smooth version
Tested with LED	Luxeon Rebel 50lm White
HAD*	28 deg
Curve Type	FLAT
Lens Material	PMMA HT
Operating temperature	-40°C+110°C

\*HAD = Half Angle Divergence



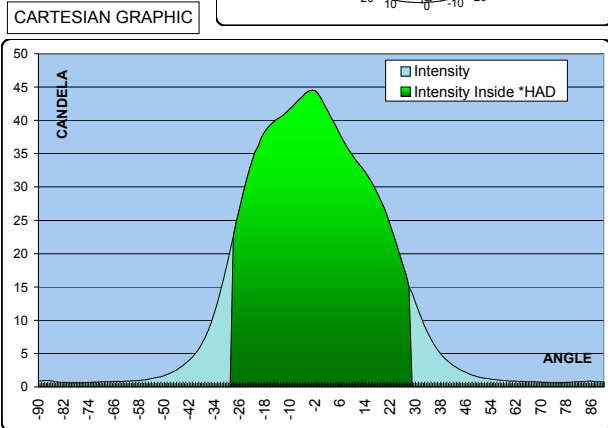
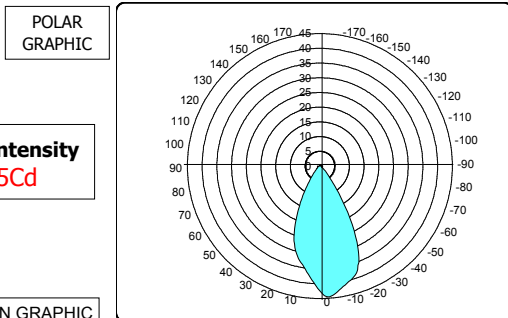
## OPTICAL EFFICIENCY

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	<b>3 X</b>		

