

TECHNICAL DETAIL & LAB TEST REPORT

FEATURES AND PATTERN

0-005s Lens Reference DBM14.5A-5P-GDWAM-2 Osram Golden dragon AM Tested with LED HAD* 5 deg PEAK / FLAT Curve Type PMMA Lens Material -40°C+90°C Operating temperature *HAD = Half Angle Divergence

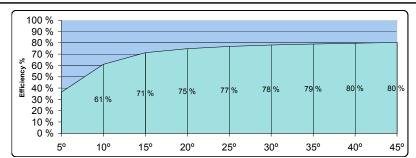


OPTICAL EFFICIENCY

Half Angle Divergence: 5 deg

HAD Efficiency: 36 %

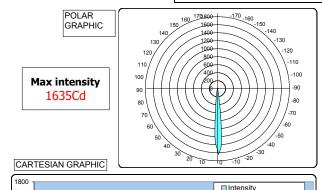
Collection Efficiency: 94 %



OUTPUT DISTRIBUTION

Measurements done with a 94 Lumens LED FLux

ILLUMINANCE



CARTESIAN GRA	PHIC	40 30 20 10	30 -10 -20	
1800			□ Intensity	
1600		<u> </u>	■ Intensity Inside	e *HAD
1400 W Y Y		$\overline{}$		
1200				
1000				
800				
600				
400		1		
200	/			ANGLE
0			***************************************	nnecommerconn
-90 -82 -74 -66	2 4 4 5 5 6 7 9 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2 4 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	30 38 46 54 62	70 78 86

ILLUMINANCE VALUES AT VARIOUS DISTANCES					
RANGE	1.0 m	2.0 m	3.0 m		
ILLUMINANCE	1635 Lux	409 Lux	182 Lux		
MULTIPLICATOR RATE LED+LENS / LED ONLY	78 X				

