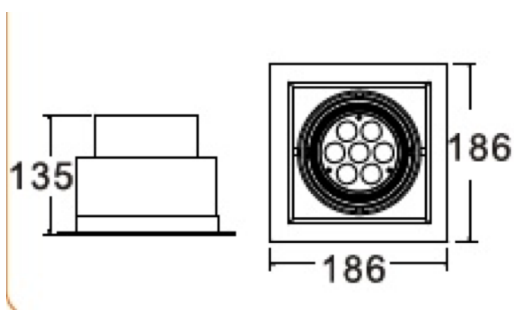


Product Description

- AC 100-270V 50/60Hz input voltage
- AR111 light source
- Replaces 40W halogen lights with a 15W power
- 50000 hours life span
- 3 year limited warranty (please see details on our website)
- cUL, cRUus certificated



Optical Parameter

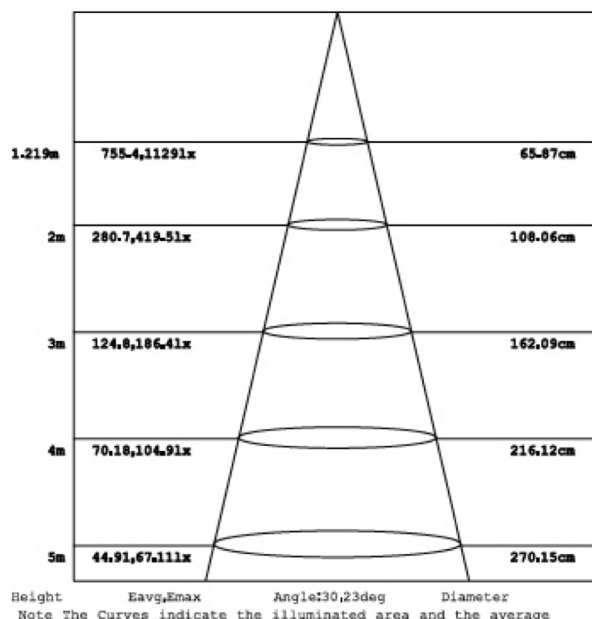
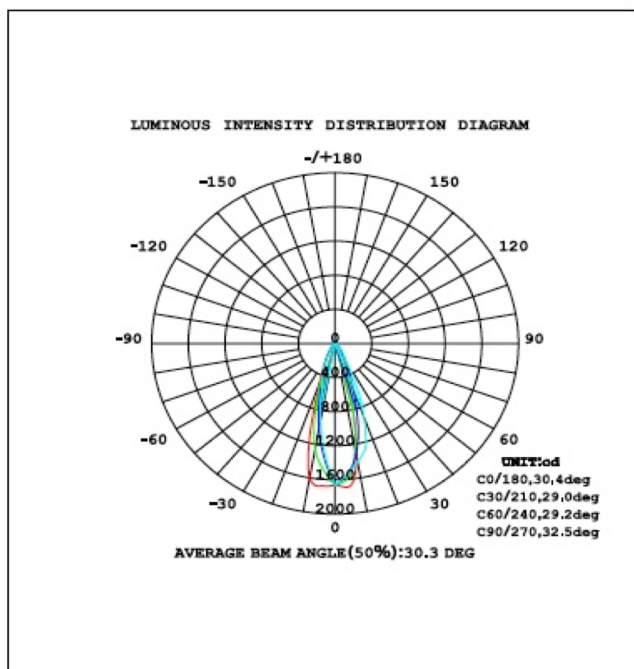


Unit: mm

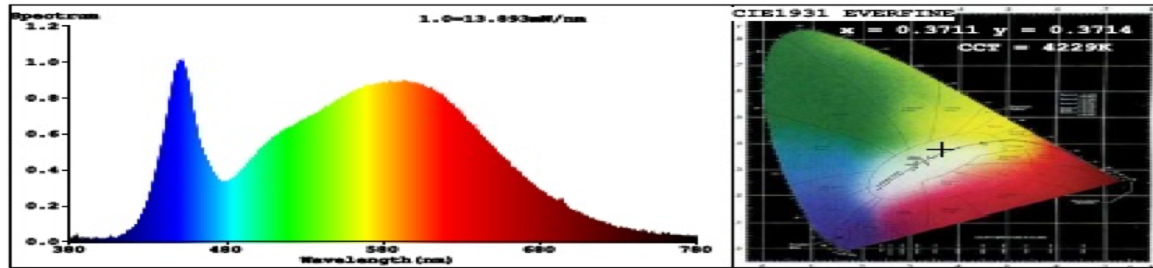
Specifications

Ordering Code	Input Voltage(VAC)	CCT	Wattage (W)	Beam Angle	Lm/W	Rated Life(hrs.)	CRI	Lumen	Equivalency	Certificate
GD15W4K1	120-277V	4000K	15W	60°	55Lm/W	50,000	>85	742	40	cUL, cRUus

Luminous Intensity Distribution Diagram



▲ Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3711$ $y=0.3714$ $u'=0.2210$ $v'=0.4978$
 CCT=4229K (Duv=0.0003) Dominant WL: $\lambda_d=577.9\text{nm}$ Purity=22.8%
 Ratio: R=17.8% G=78.2% B=4.0% Peak WL: $\lambda_p=451.3\text{nm}$ FWHM=26.0nm
 Render Index: $R_a=84.9$
 R1 =83 R2 =90 R3 =94 R4 =84 R5 =83 R6 =85 R7 =89
 R8 =71 R9 =23 R10=75 R11=82 R12=66 R13=85 R14=97 R15=79

Photo Parameters:

Flux = 742.9 lm Eff. : 55.20 lm/W $P_e = 2.355\text{ W}$

Electrical parameters:

V = 230.38 V I = 0.06210 A P = 13.46 W PF = 0.9407
 LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 344 ms $I_p = 37276$ (57%)

▲ Energy Efficiency

	Estimated Lighting Costs Using a Standard 40W Metal Halide Light	Estimated Lighting Costs Using a Yigeda 15W Grille Downlight
Present Wattage	40W	15W
x Annual Operating Hours	3650 hrs	3650 hrs
	= 146,000 Watts per year	= 54,750 Watts per year
÷ 1,000	= 146 kWh per year	= 554.75 kWh per year
× kWh rate (\$0.10)	= \$14.6 per year	= \$5.48 per year
× 100 lamps per space	= \$1,460 annual energy cost per space	= \$548 annual energy cost per space
Total Estimated Annual Energy Cost Saving Per Year	= \$912	

This energy saving example shows an application of 100 lamps in a space currently using a 40W Metal Halide Light and Yigeda LED 15W Grille Downlight, operating 3,650 hours per year (10 hours per day) at a cost of \$0.10 per kWh.