

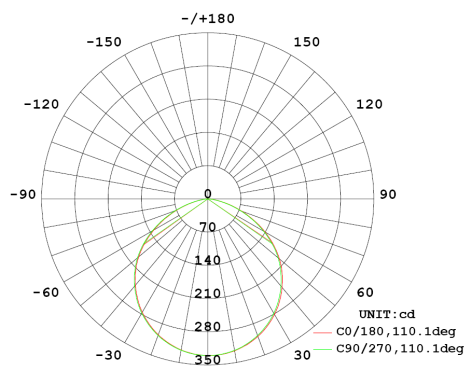
Product Description

- Compatible with 4', 5/6' existing recessed housings
- Consumes 13W and 18W only and saves at least 80% energy
- 25,000hrs long lifetime, last 20 times longer than halogen lamp
- Extremely even light distribution
- Limited 5 years warranty (find details on our website)
- cUL, CE listed, FCC, RoHS compliant
- Excellent dimmable to 10%
- Illumination lighting for homes, offices, restaurants, hotels, malls etc; display lighting for stores and shops

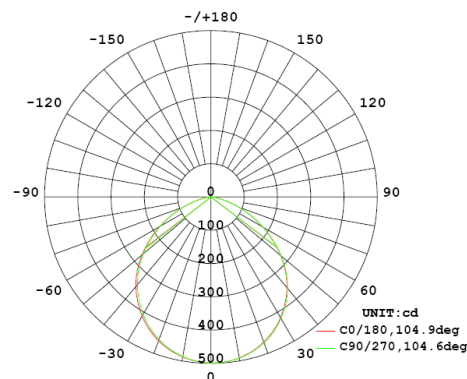


Optical Parameter

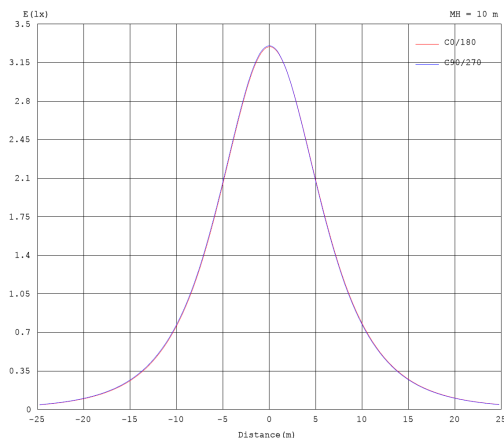
4" Downlight Luminous Intensity Distribution



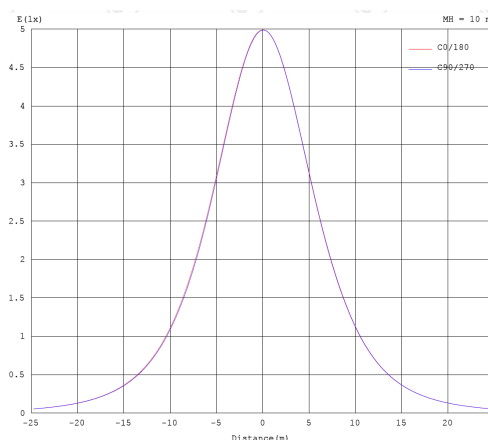
6" Downlight Luminous Intensity Distribution



4" Downlight Planar Illuminance Curve



6" Downlight Planar Illuminance Curve



Product Details

Ordering Code	Input Voltage(VAC)	Lamp Shape	Base Type	Wattage (W)	CCT	Beam Angle	Initial Lumens(lm)	Rated Life(hrs.)	CRI	Equivalency	Certificate
D4B13D100(2)	120	4"Downlight	Edison	13W	2700-5000	100	750	25,000	80	65W	UL,CE, Energy star
D6B13D100(2)	120	6"Downlight	Edison	13W	2700-5000	100	750	25,000	80	65W	UL,CE,RoHS
D6B18D100(2)	120	6"Downlight	Edison	18W	2700-5000	100	950	25,000	80	120W	UL,CE,RoHS
D6B18D100(2)L	120	6"Downlight	Edison	18W	2700-5000	100	1000	25,000	80	120W	UL,CE, Energy star

Energy Efficiency

	Estimated Lighting Costs Using a Standard 65W 4" Downlight	Estimated Lighting Costs Using a Yigeda LED 13W COB 4" Downlight
Present Wattage	65W	13W
x Annual Operating Hours	3650 hrs	3650 hrs
	= 237,250 Watts per year	= 47,450 Watts per year
÷ 1,000	= 237.25 kWh per year	= 47.45 kWh per year
× kWh rate (\$0.10)	= \$23.7 per year	= \$4.75 per year
× 100 lamps per space	= \$2,373 annual energy cost per space	= \$474.5 annual energy cost per space
Total Estimated Annual Energy Cost Saving Per Year	= \$1,899	

This energy saving example shows an application of 100 lamps in a space currently using a 65W 4" Downlight and Yigeda LED COB 13W 4" Downlight, operating 3,650 hours per year (10 hours per day) at a cost of \$0.10 per kWh.

Energy Efficiency

	Estimated Lighting Costs Using a Standard 120W 6" Downlight	Estimated Lighting Costs Using a Yigeda LED 18W COB 6" Downlight
Present Wattage	120W	18W
x Annual Operating Hours	3650 hrs	3650 hrs
	= 438,000 Watts per year	= 65,700 Watts per year
÷ 1,000	= 438 kWh per year	= 65.7 kWh per year
× kWh rate (\$0.10)	= \$43.8 per year	= \$6.57 per year
× 100 lamps per space	= \$4,380 annual energy cost per space	= \$657 annual energy cost per space
Total Estimated Annual Energy Cost Saving Per Year	= \$3,723	

This energy saving example shows an application of 100 lamps in a space currently using a 120W 6" Downlight and Yigeda LED COB 18W 6" Downlight, operating 3,650 hours per year (10 hours per day) at a cost of \$0.10 per kWh.

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