

Photometrics

Field

Please note that as useful field, we mean a surface where the photometrics are uniform. So an area within which the colour temperature is constant, and the output does not drop more than 10% of the peak value.

Conventionally the field is also calculated at 50% of the peak value : in this case the field almost doubles. Please consider this when you make your evaluations.

Colour temperature

It's interesting to note that even from where we start to have a 10% drop to the edge of the beam, the CCT remains constant. We selected 5150°k as factory Normal set because of the possibility to tune lanileds 54 white tone with the electronic red/amber-red mix Color set (custom manual control).

The Cool pre-set is 6.300°K +/- 200°K. The Warm pre-set is 4.400°K +/- 200°k

Various application

Looking at the data, you will notice as the system is versatile in terms of output and applications : for example the laniled 18 Single Module Large (the outer ring) is very useful at approximately 1,50m of typical distance for close ups, it gives 5150°K with 450 Lux, 500 ISA 25 Fps and iris 4.

But assembled in three modules, at the same distance, the laniled 54 gives a powerful beam of key spotlight/backlight.

Diffuser filters

The diffuser filters brings a reduction of 1 stop approximately.

Use without lenses

The use of lanileds without lenses and bounced by reflectant disks, is very useful for lighting in very small spaces because the field becomes much larger than when the lenses are on board (even the wide angles), and it is ideal for close up shots.

Power to consumption ratio

The LED power to consumption ratio in IANILED compared to tungsten is very good, approximately in the region of 1 to 6 (18w=108w).

This thanks to the efficiency of LEDs sources (no infrared, no UV), thanks to the high rendering LEDs used and to the overall IANILED package and lenses that enhance the light output.

IANILED 54 54W 3
Modules assembled



LENS	LUX	2M			4 M		
		Beam angle at 10% peak value (field) - angolo al 10% del valore centrale (campo)	°K +/- 200°k	LUX	Beam angle at 10% peak value (field) - angolo al 10% del valore centrale (campo)	°K +/- 200°k	
Medium	2800	16°	5150	690	12°	5150	
Wide	700	24°	5150	180	18°	5150	
Spot	5000	7°	5150	1367	12°	5150	

IANILED 36 36W 2
Modules assembled



LENS	LUX	2M			4 M		
		Beam angle at 10% peak value (field) - angolo al 10% del valore centrale (campo)	°K +/- 200°k	LUX	Beam angle at 10% peak value (field) - angolo al 10% del valore centrale (campo)	°K +/- 200°k	
Medium	2100	16°	5150	570	12°	5150	
Wide	490	24°	5150	120	18°	5150	
Spot	3300	7°	5150	800	12°	5150	

IANILED 18 18W Sgile
Module Small



LENS	LUX	2M			4 M		
		Beam angle at 10% peak value (field) - angolo al 10% del valore centrale (campo)	°K +/- 200°k	LUX	Beam angle at 10% peak value (field) - angolo al 10% del valore centrale (campo)	°K +/- 200°k	
Medium	1500	16°	5150	450	12°	5150	
Wide	245	24°	5150	60	18°	5150	
Spot	1600	7°	5150	480	12°	5150	

IANILED 18 18W Sigle
Module Medium



		2M			4 M		
LENS	LUX	Beam angle at 10% peak value (field) - angolo al 10% del valore centrale (campo)	°K +/- 200°k	LUX	Beam angle at 10% peak value (field) - angolo al 10% del valore centrale (campo)	°K +/- 200°k	
	Medium	517	16°	5150	134	12°	5150
	Wide	230	24°	5150	58	18°	5150
	Spot	1350	7°	5150	450	12°	5150

IANILED 18 18W Sigle
Module Large



		2M			4 M		
LENS	LUX	Beam angle at 10% peak value (field) - angolo al 10% del valore centrale (campo)	°K +/- 200°k	LUX	Beam angle at 10% peak value (field) - angolo al 10% del valore centrale (campo)	°K +/- 200°k	
	Medium	550	16°	5150	150	12°	5150
	Wide	240	24°	5150	60	18°	5150
	Spot	1750	7°	5150	450	12°	5150