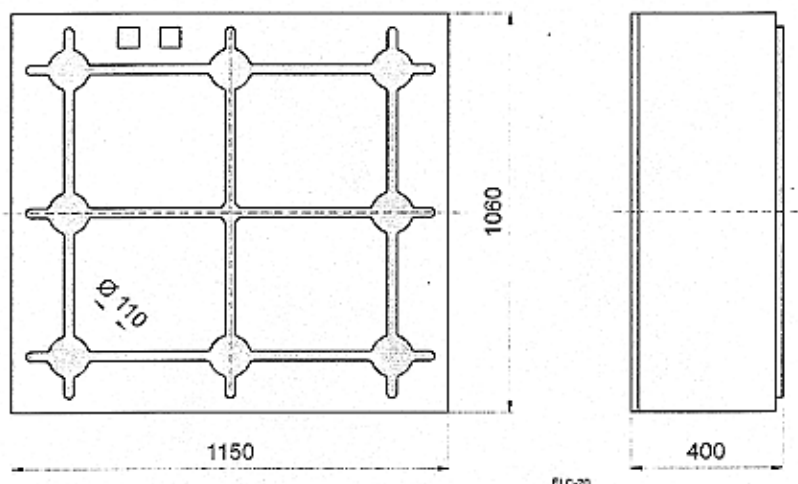


Color	Type	Technology	Electrodes
Red	ELC-645-29-1	AllnGaP/GaAs	N (cathode) up

Outline (dimensions in microns)



Optical and Electrical Characteristics

$T_{amb} = 25^{\circ}\text{C}$, unless otherwise specified

Parameter	Test conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F = 300 \text{ mA}$	V_F		2.2	2.6	V
Reverse voltage	$I_R = 10 \mu\text{A}$	V_R	5			V
Radiant power*	$I_F = 300 \text{ mA}$	Φ_e		22		mW
Radiant intensity*	$I_F = 300 \text{ mA}$	Φ_e		9		mW/sr
Luminous flux*	$I_F = 300 \text{ mA}$	Φ_v		2.6		lm
Luminous intensity*	$I_F = 300 \text{ mA}$	I_v		770		mcd
Peak wavelength	$I_F = 300 \text{ mA}$	λ_p		645		nm
Spectral bandwidth at 50%	$I_F = 300 \text{ mA}$	$\Delta\lambda_{0.5}$		25		nm
Switching time	$I_F = 300 \text{ mA}$	t_r, t_f		100		ns

*Packaged in TO-18 housing with epoxy resin cap, in cylindrical copper heatsink

Labeling

Type	Lot N°	Φ_e (typ, min, max)	Quantity
ELC-645-29-1			

Packing

Chips on adhesive film with wire-bond side on top