

LIGTUBE



Description

Cylindrical tracklight made of aluminium. Surface white powder coating. Changeable reflectors made of polycarbonate (PC) 3 beam angles. Spotlight 355° rotatable and 180° tiltable. 3 phase adaptor.

Optional accessories for recessed or surface mounting.

Proyector cilíndrico de carril fabricado en aluminio. Lacado en polvo blanco. Ópticas intercambiables de policarbonato (PC), con diferentes ángulos de apertura, Giro de 355° y un ángulo de inclinación de 180°. Adaptador trifásico.

Accesorios opcionales para montaje empotrado o en superficie

Electrical Characteristics

Voltage/Voltaje	220 V
Current/Intensidad	700 mA
Power/Potencia	24 W
λ	0,9

General Characteristics

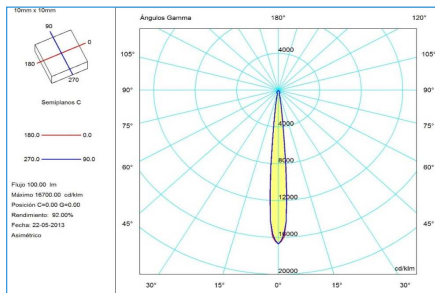
Type/Tipo:	Led
Mounting type/Montaje:	Track/Carril
Indoor/Outdoor:	Indoor
Material:	Aluminium
Aiming/Enfoque:	355° Rotatable 180° Tiltable
Colour Temperature/ Temperatura Color	3000 K
CRI	80
Luminous Flux/Flujo luminoso	2300 Lm

Optical Specifications

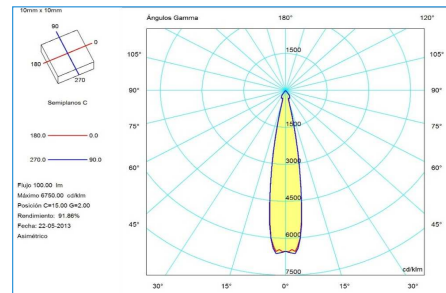
Beam Angles:

- | | | |
|-----|--------|-----|
| 1.) | Spot | 10° |
| 2.) | Medium | 18° |
| 3.) | Wide | 38° |

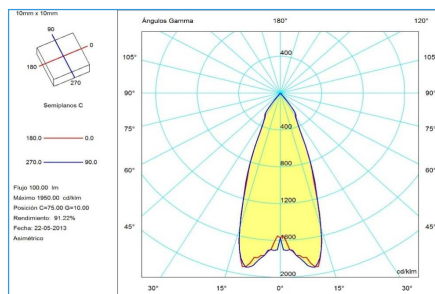
1.) Spot 10°



2.) Medium 18°



3.) Wide 38°



Absolute Maximum Ratings

Table 4. Operating Condition and Ratings

Parameter	Maximum Performance
DC Forward Current	2x test current ^[1]
ESD Sensitivity	< 8000V Human Body Model (HBM) Class 3A JESD22-A114-E < 400V Machine Model (MM) Class B JESD22-A115-B
Storage Temperature	-40°C - 120°C
LED Junction Temperature ^[1]	125°C
Operating Case Temperature at Nominal Current	-40°C - 105°C
Reverse Voltage	LUXEON CoB is not designed to be driven in reverse bias

Notes for Table 4:

1. Proper current derating must be observed to maintain junction temperature below the maximum, please see preliminary application brief for additional information on thermal measurement guidelines.
2. Residual periodic variations due to power conversion from alternating current (AC) to direct current (DC), also called "ripple", with frequencies ≥ 100 Hz and amplitude $\pm 20\%$ are acceptable, assuming the average current throughout each cycle does not exceed 2x test if.

Characteristic Curves

Relative Spectral Distribution vs. Wavelength Junction Temperature = 85°C, at Test Current

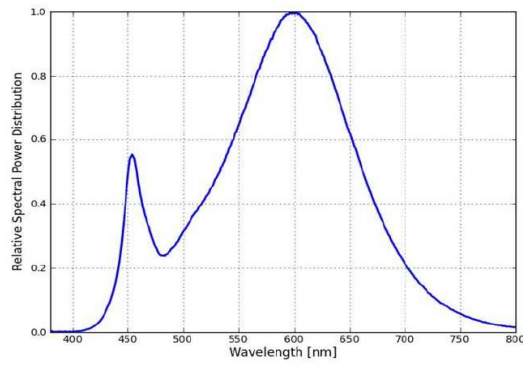


Figure 1. Color spectrum of 3000K, 80 minimum CRI, integrated measurement.

Relative Light Output Characteristics over Temperature at Test Current

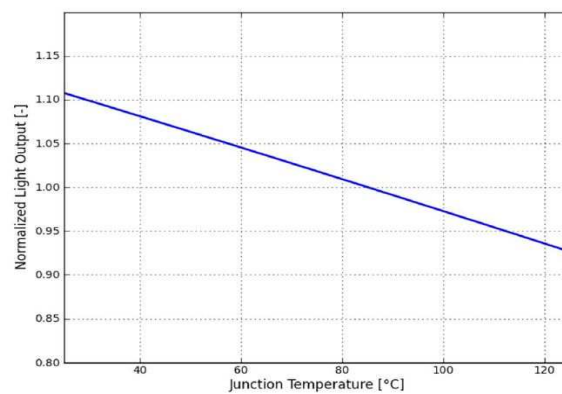
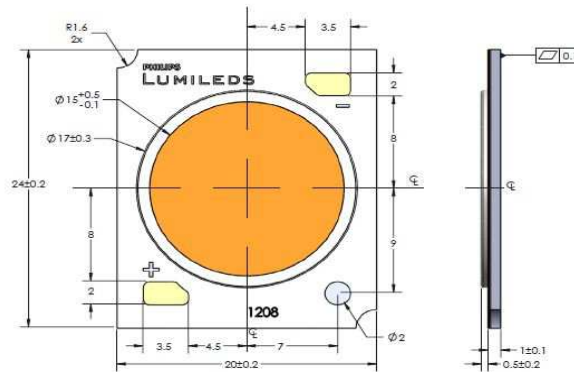


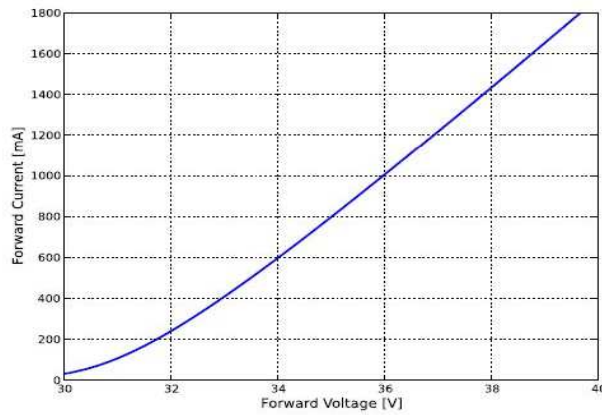
Figure 2. Relative light output vs. junction temperature.

Mechanical Dimensions

LUXEON CoB: LHCI – xxxx – I208

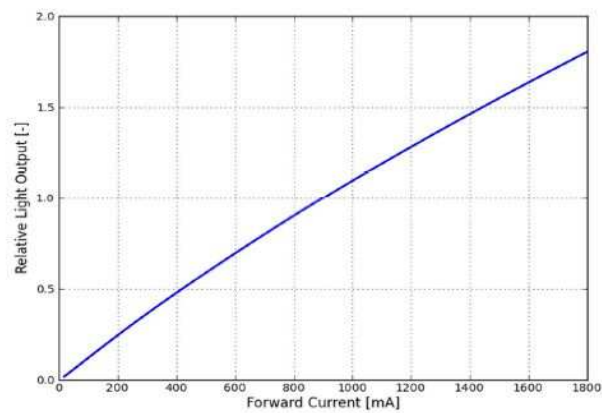


Typical Forward Current Characteristics



LUXEON CoB: LHCI – xxxx – I208

Typical Relative Luminous Flux vs. Forward Current



LUXEON CoB: LHCI – xxxx – I208

ALVE ILUMINACION

Color Bin Definition

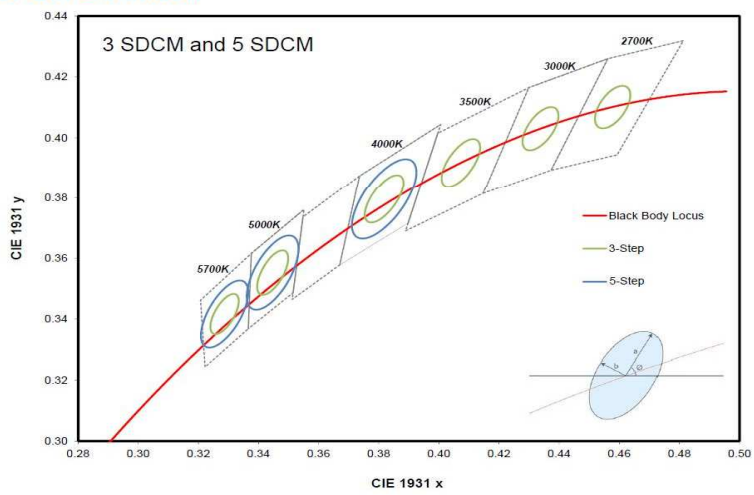


Figure 7. 3-step and 5-step MacAdam ellipse color bins.