TUNGSRAM™

Innovation is our heritage
EST. 1896

$C\epsilon$

A++
energy class

132
lumens/watt

Linear Indirect

TU LINEAR INDIRECT 40W 16 830 D11 ST

93114765

Product information

The new Tungsram Linear Indirect range is designed to deliver efficient lighting for commercial and education applications. These efficient lighting fixtures have a long life and deliver a remarkable efficacy (up to 135lm/W), allowing for lower maintenance and operating costs.

Features & benefits
• Visually appealing illumination with CRI 80+
• High luminous efficiency with minimal glare (<UGR19) due to indirect reflector solution
• Provides strong horizontal and vertical illuminance
• Available in two length: 1250 and 1650 mm
• Optional DALI or static control
• Energy efficient replacement for traditional LFL solutions
• Long rated life & low maintenance: L90B50 75,000+ hours
• Assembled with Nichia LED chips and Tridonic static or BAG DALI driver
• Available in 3500K (listed), but 3000K and 4000K CCT

$C\epsilon$

• 5 different wattages (from 20W to 50W) and up to 135 lm/W efficacy, 77W 10.000lm optional
• PF ≥0.92
• Operating temperature +5°C to +35°C
• 220-240V, 50/60Hz

Product data

Product code	93114765
Description	TU LINEAR INDIRECT 40W 16 830 D11 ST
DIALux description	TUNGSRAM - Linear Indirect - 5300lm - 40W - 3000K - 80CRI - 93114765[SKU] - Surface mount or suspended
Brand	TUNGSRAM
Product category	Linear Indirect
Product family	Linears
Application areas	Retail, Commercial
Light source	LED
Sensor	No Sensor
Emergency option	NO EM
Mounting type	Surface mount or suspended
Weight [kg]	5,9
Body color	White RAL9016
Product dimensions (Length) x (Width) x (Height) [mm]	1652 x 256,5 x 146,5
Operating temperature min [°C]	5
Operating temperature max [°C]	35
Rated ambient temperature (tq) [°C]	25
Cooling	Passive
Certifications	CE
General warranty [year]	5

Performance data

System power [W]	40
Nominal luminous flux [lm]	5300
Rated efficacy [lm/W]	132,5
Rated life L70/B50 [h]	75000
IP front (optical)	20
IP back (electrical)	20
IP Rating	20
Impact resistance (IK)	IK02
Energy efficiency class (EEC)	A++

Photometrical data

Photometric distribution	Wide
Nominal correlated colour temperature (CCT) [K]	3000
Colour rendering index (CRI) [Ra]	>=80
Nominal beam angle [°]	120
UGR value (4H8H)	22.2 / 22.6
Colour consistency in MacAdam steps SDCM	≤3
Photobioligical risk	RG0

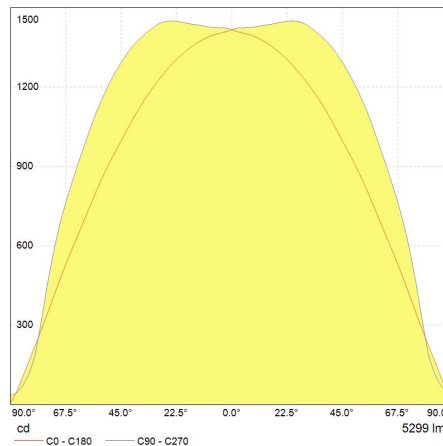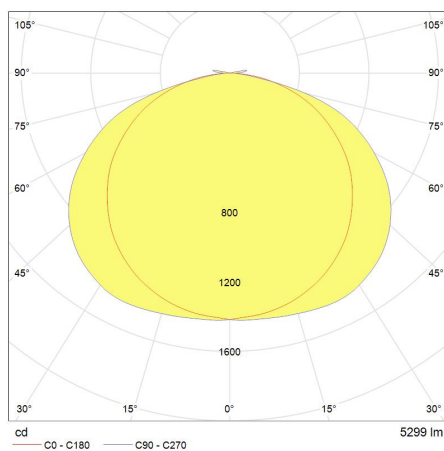## Electrical data

IEC protection class	Class I
Operating voltage [V]	220-240V
Rated frequency or frequency range [Hz]	50/60Hz
Lamp input current [mA]	181
Nominal lamp power factor	>=0.95
Controllability	DALI

Logistic data

Box quantity	1
Shipment	Standard
Product status	Available
Accessory	Suspension Kit 93055969

Light distribution

C0 - C180   C90 - C270   5299 lm
cd

C0 - C180   C90 - C270   5299 lm
cd

Distance [m]	Cone diameter [m]			Illuminancen [lx]
0.5	2.56 / 1.70	E(0°)		5667
		E(C90)	68.7°	139
		E(C0)	59.5°	371
1.0	5.13 / 3.40	E(0°)		1417
		E(C90)	68.7°	35
		E(C0)	59.5°	93
1.5	7.69 / 5.09	E(0°)		630
		E(C90)	68.7°	15
		E(C0)	59.5°	41
2.0	10.26 / 6.79	E(0°)		354
		E(C90)	68.7°	9
		E(C0)	59.5°	23
2.5	12.82 / 8.49	E(0°)		227
		E(C90)	68.7°	6
		E(C0)	59.5°	15
3.0	15.39 / 10.19	E(0°)		157
		E(C90)	68.7°	4
		E(C0)	59.5°	10

C0 - C180 (Half-value angle: 119.0°)
C90 - C270 (Half-value angle: 137.4°)

Downloads & Links

Go to the catalog site (HTTP)

Datasheet (PDF)

Installation guide (PDF)

Images (HTTP)

DoC Document (PDF)

Datasheet (FR) (PDF)