

## Tubo t8 cristal 1500mm 25w g13 180 grados ip20

## LT825W60TC

EAN: 8436541044678



## Descripción

Aplicaciones domésticas, comercios y oficinas



## Características lumínicas

Número EPREL	494820	Pst LM	1
Fuente luminosa	LT825W60TC	Direccional	NDSL
Tecnología utilizada	LED	Red	MLS
Temperatura de color	6000K	Forma de la fuente de luz	T8
Flujo luminoso útil $\phi$	2725 lm WC	Conexión / Casquillo	G13
Ángulo de apertura (Min,Max)	180°	Factor de supervivencia	0.9
CRI	80	Factor mto. de flujo lum.	0.96
CRI R9	22	Eficiencia energética	F
Coord. cromaticidad (x,y)	0.322, 0.332	$\eta$ TM	109
Consistencia cromática	6	Consumo de energía	25kWh/1000h
SVM	0.4		

## Características eléctricas

Potencia nominal	25W	Corriente nominal entrada	0.11A
Voltaje nominal entrada	220V - 240V	Frecuencia funcionam.	50 - 60 Hz

## Información adicional

Color	Blanco	Material del difusor	Cristal templado
Grado de estanqueidad	IP20	Vida útil	30000h
Material primario	ABS	Forma del producto	T8

## Medidas (Largo x Ancho x Alto) y pesos

Dimensiones del producto	26 x 26 x 1500 mm	Peso neto	390 g
Dimensiones envase	1598 x 39 x 39 mm	Peso embalaje	10.8 kg
Dimensiones embalaje	1600 x 175 x 175 mm	Unidades por embalaje	25



## Observaciones



Desconectar la corriente antes de la instalación.  
 Se necesitan nociones básicas de electricidad para instalar este producto.  
 Los productos electrónicos no son juguetes. Manténgalos alejados de los niños.  
 No manipule el producto con las manos mojadas.  
 No perforar ningún elemento de la luminaria.  
 Si alguna parte de la luminaria se encuentra rota sustitúyala inmediatamente por una nueva.  
 La fuente de luz de esta luminaria debe reemplazarse únicamente por el fabricante o su servicio técnico homologado.  
 En los productos que se venden por metro todas las características se refieren a un metro de producto.  
 Sustitución de tubos fluorescentes sin balastro y lampara G24D por tubos led.  
 Condiciones de ensayo 24°C y 50% de humedad relativa.

## Normativa

Los productos antes mencionados cumplen con las siguientes normas y directivas europeas:

## 2014/35/EU (LVD)

EN 62776:2015

## 2014/30/EU (EMC)

EN IEC 55015:2019+A11:2020

EN IEC 61547:2023

EN IEC 61000-3-2:2019+A1:2021

EN 61000-3-3:2013+A2:2021

## 2015/863/EU (RHoS)

IEC 62321-3-1:2013

IEC 62321-4:2013+A2017

IEC 62321-5:2013

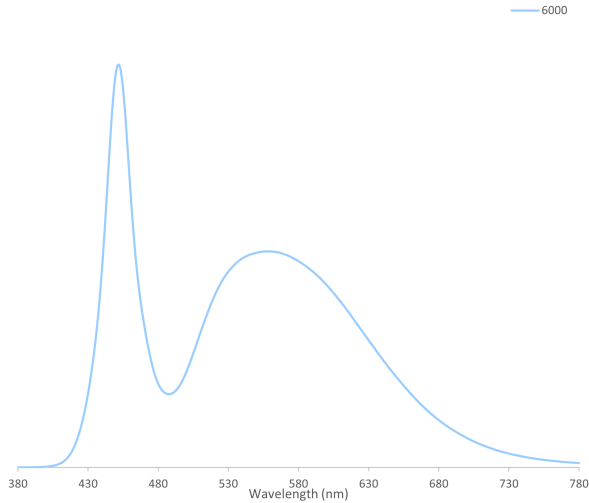
IEC 62321-6:2015

IEC 62321-7-1:2015

IEC 62321-7-2:2017

IEC 62321-8:2017

## Colorimetría



Distribución espectral

Glare evaluation according to UGR											
		70	70	50	50	30	70	70	50	50	30
p Ceiling		50	30	50	30	30	50	30	50	30	30
p Walls		20	20	20	20	20	20	20	20	20	20
p Floor		20	20	20	20	20	20	20	20	20	20
Room size	X	Viewing direction at right angles						Viewing direction parallel			
	Y										
2H	2H	36.4	37.5	37.0	38.1	38.9	33.9	35.0	34.5	35.7	36.4
2H	3H	39.3	40.3	40.0	41.0	41.8	35.3	36.3	36.0	37.0	37.8
2H	4H	41.0	41.9	41.7	42.6	43.4	35.8	36.8	36.5	37.5	38.3
2H	6H	42.9	43.8	43.6	44.5	45.3	36.2	37.1	36.9	37.8	38.6
2H	8H	43.9	44.8	44.6	45.5	46.3	36.2	37.1	36.9	37.8	38.7
2H	12H	45.1	46.0	45.9	46.7	47.5	36.3	37.1	37.0	37.8	38.7
4H	2H	36.9	37.9	37.6	38.6	39.4	35.1	36.1	35.8	36.8	37.6
4H	3H	40.0	40.9	40.8	41.6	42.5	36.8	37.7	37.6	38.4	39.3
4H	4H	41.9	42.6	42.6	43.4	44.3	37.6	38.3	38.3	39.1	40.0
4H	6H	44.0	44.6	44.7	45.4	46.3	38.2	38.8	38.9	39.6	40.5
4H	8H	45.2	45.8	45.9	46.6	47.5	38.3	38.9	39.1	39.7	40.7
4H	12H	46.6	47.1	47.3	47.9	48.8	38.4	39.0	39.2	39.8	40.7
8H	4H	42.2	42.8	42.9	43.6	44.5	38.8	39.4	39.5	40.1	41.1
8H	6H	44.5	45.0	45.3	45.8	46.8	39.7	40.2	40.5	41.0	42.0
8H	8H	45.9	46.4	46.7	47.2	48.2	40.1	40.6	40.9	41.4	42.4
8H	12H	47.5	47.9	48.4	48.8	49.8	40.4	40.8	41.3	41.7	42.7
12H	4H	42.2	42.7	43.0	43.5	44.5	39.2	39.7	39.9	40.5	41.4
12H	6H	44.6	45.1	45.4	45.9	46.9	40.4	40.8	41.2	41.6	42.6
12H	8H	46.1	46.5	46.9	47.3	48.3	41.0	41.4	41.8	42.2	43.2
Variation of the observer position for the luminare distance S											
S = 1.0H		+0.2 / -0.2						+0.1 / -0.1			
S = 1.5H		+0.3 / -0.3						+0.2 / -0.3			
S = 2.0H		+0.4 / -0.4						+0.4 / -0.6			
Standard table		----						BK13			
Correction summand		----						24.3			
Corrected glare indices referring to 2675 lm total luminous flux											

Tabla UGR

## Fotometría

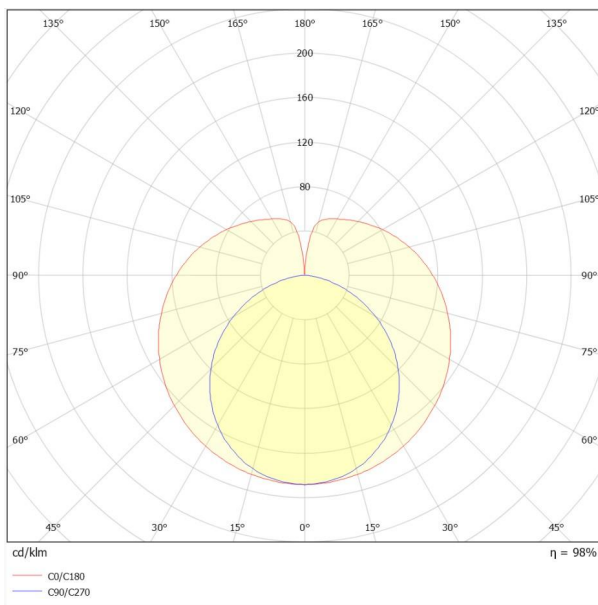


Diagrama polar



Diagrama de cono

## Sorgente luminosa tubo LED

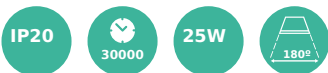
## LT825W60TC

EAN: 8436541044678



## Descrizione

Applicazioni domestiche, commerciali e d'ufficio



## Caratteristiche luminose

Numero EPREL	494820	Pst LM	1
Sorgente luminosa	LT825W60TC	Direzionale	NDSL
Tecnologia utilizzata	LED	Rete	MLS
Temperatura di colore	6000K	Forma della sorgente luminosa	T8
Flusso luminoso utile $\Phi$	2725 lm WC	Connessione / Portalampada	G13
Angolo di apertura (Min,Max)	180°	Fattore di sopravvivenza	0.9
CRI	80	Fattore manutenzione flusso luminoso	0.96
CRI R9	22	Efficienza energetica	F
Coordinate cromatiche (x, y)	0.322, 0.332	$\eta$ TM	109
Coerenza cromatica	6	Consumo di energia	25kWh/1000h
SVM	0.4		

## Caratteristiche elettriche

Potenza nominale	25W	Corrente nominale ingresso	0.11A
Tensione nominale in ingresso	220V - 240V	Frequenza di esercizio	50 - 60 Hz

## Informazioni aggiuntive

Colore	Bianco	Materiale del diffusore	Vetro temperato
Grado di tenuta	IP20	Durata	30000h
Materiale primario	ABS	Forma del prodotto	T8

## Misure (lunghezza x larghezza x altezza) e pesi

Dimensioni del prodotto	26 x 26 x 1500 mm	Peso netto	390 g
Dimensioni del contenitore	1598 x 39 x 39 mm	Peso dell'imballaggio	10.8 kg
Dimensioni dell'imballaggio	1600 x 175 x 175 mm	Unità per imballaggio	25



## Osservazioni



Scollegare l'alimentazione prima dell'installazione.  
 Per installare questo prodotto sono necessarie conoscenze elettriche di base.  
 I prodotti elettronici non sono giocattoli. Tenerli lontani dalla portata dei bambini.  
 Non maneggiare il prodotto con le mani bagnate.  
 Non forare nessun elemento dell'apparecchio.  
 Se qualsiasi parte dell'apparecchio è rotta, sostituirla immediatamente con una nuova.  
 La sorgente luminosa di questo apparecchio deve essere sostituita esclusivamente dal produttore o dal suo servizio tecnico approvato.  
 Per i prodotti venduti a metraggio tutte le caratteristiche si riferiscono ad un metro di prodotto.  
 Sostituzione tubi fluorescenti senza alimentatore e lampada G24D con tubi LED.  
 Condizioni di prova 24°C e 50% di umidità relativa

## Normativo

I suddetti prodotti sono conformi alle seguenti norme e direttive europee:

## 2014/35/EU (LVD)

EN 62776:2015

## 2014/30/EU (EMC)

EN IEC 55015:2019+A11:2020

EN IEC 61547:2023

EN IEC 61000-3-2:2019+A1:2021

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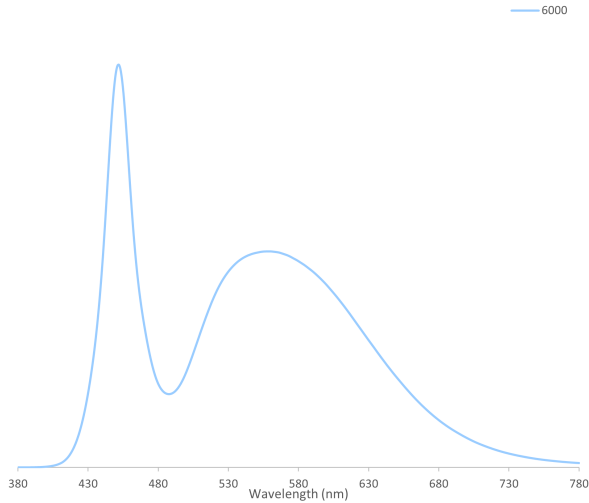
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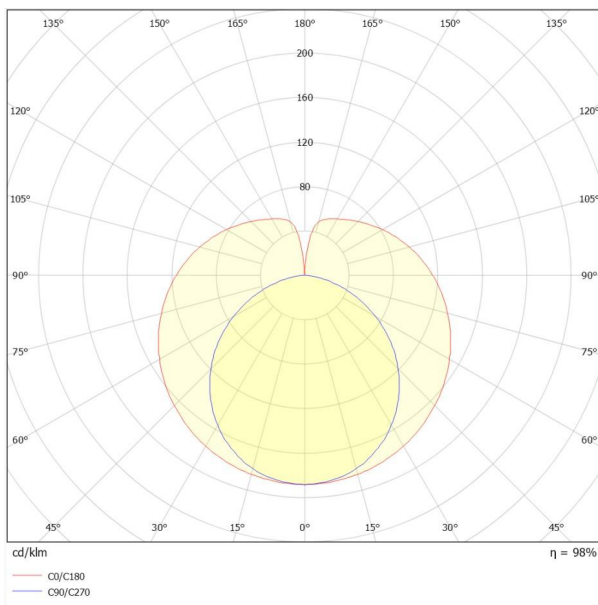
## Colorimetria



Glare evaluation according to UGR												
	70	70	50	50	30	70	70	50	50	30		
p Ceiling	50	30	50	30	30	50	30	50	30	30		
p Walls												
p Floor	20	20	20	20	20	20	20	20	20	20		
Room size	Viewing direction at right angles					Viewing direction parallel						
X	Y											
2H	2H	36.4	37.5	37.0	38.1	38.9	33.9	35.0	34.5	35.7	36.4	
2H	3H	39.3	40.3	40.0	41.0	41.8	35.3	36.3	36.0	37.0	37.8	
2H	4H	41.0	41.9	41.7	42.6	43.4	35.8	36.8	36.5	37.5	38.3	
2H	6H	42.9	43.8	43.6	44.5	45.3	36.2	37.1	36.9	37.8	38.6	
2H	8H	43.9	44.8	44.6	45.5	46.3	36.2	37.1	36.9	37.8	38.7	
2H	12H	45.1	46.0	45.9	46.7	47.5	36.3	37.1	37.0	37.8	38.7	
4H	2H	36.9	37.9	37.6	38.6	39.4	35.1	36.1	35.8	36.8	37.6	
4H	3H	40.0	40.9	40.8	41.6	42.5	36.8	37.7	37.6	38.4	39.3	
4H	4H	41.9	42.6	42.6	43.4	44.3	37.6	38.3	38.3	39.1	40.0	
4H	6H	44.0	44.6	44.7	45.4	46.3	38.2	38.8	38.8	39.6	40.5	
4H	8H	45.2	45.8	45.9	46.6	47.5	38.3	38.9	39.1	39.7	40.7	
4H	12H	46.6	47.1	47.3	47.9	48.8	38.4	39.0	39.2	39.8	40.7	
8H	4H	42.2	42.8	42.9	43.6	44.5	38.8	39.4	39.5	40.1	41.1	
8H	6H	44.5	45.0	45.3	45.8	46.8	39.7	40.2	40.5	41.0	42.0	
8H	8H	45.9	46.4	46.7	47.2	48.2	40.1	40.6	40.9	41.4	42.4	
8H	12H	47.5	47.9	48.4	48.8	49.8	40.4	40.8	41.3	41.7	42.7	
12H	4H	42.2	42.7	43.0	43.5	44.5	39.2	39.7	39.9	40.5	41.4	
12H	6H	44.6	45.1	45.4	45.9	46.9	40.4	40.8	41.2	41.6	42.6	
12H	8H	46.1	46.5	46.9	47.3	48.3	41.0	41.4	41.8	42.2	43.2	
Variation of the observer position for the luminaire distance S												
S = 1.0H	+0.2 / -0.2					+0.1 / -0.1						
S = 1.5H	+0.3 / -0.3					+0.2 / -0.3						
S = 2.0H	+0.4 / -0.4					+0.4 / -0.6						
Standard table	----					BK13						
Correction summand	----					24.3						
Corrected glare indices referring to 2675 lm total luminous flux												

Tabella UGR

## Fotometria



## Light source LED tube

## LT825W60TC

EAN: 8436541044678



## Description

Home, commercial and office applications



## Lighting characteristics

EPREL number	494820	Pst LM	1
Light source	LT825W60TC	Directional	NDSL
Technology used	LED	Network	MLS
Color temperature	6000K	Light source shape	T8
Useful luminous flux $\phi$	2725 lm WC	Connection / Socket	G13
Opening angle (Min,Max)	180°	Survival factor	0.9
CRI	80	Luminous flux maintenance factor	0.96
CRI R9	22	Energy efficiency	F
Chromaticity coordinates (x, y)	0.322, 0.332	$\eta$ TM	109
Chromatic consistency	6	Power consumption	25kWh/1000h
SVM	0.4		

## Electrical characteristics

Nominal power	25W	Nominal input current	0.11A
Nominal input voltage	220V - 240V	Operating frequency	50 - 60 Hz

## Additional information

Color	White	Diffuser material	Tempered glass
Degree of sealing	IP20	Useful life	30000h
Primary material	ABS	Product form	T8

## Measurements (length x width x height) and weights

Product Dimensions	26 x 26 x 1500 mm	Net weight	390 g
Packaging dimensions	1598 x 39 x 39 mm	Masterbox weight	10.8 kg
Master Box	1600 x 175 x 175 mm	Units per Masterbox	25



## Observations



Disconnect power before installation.  
Basic electrical knowledge is required to install this product.  
Electronic products are not toys. Keep them away from children.  
Do not handle the product with wet hands.  
Do not drill any element of the luminaire.  
If any part of the luminaire is broken, replace it immediately with a new one.  
The light source of this luminaire must only be replaced by the manufacturer or its approved technical service.  
For products sold by the meter, all characteristics refer to one meter of product.  
Replacement of fluorescent tubes without ballast and G24D lamp with LED tubes.  
Test conditions 24°C and 50% relative humidity.

## Normative

The aforementioned products comply with the following European standards and directives:

## 2014/35/EU (LVD)

EN 62776:2015

## 2014/30/EU (EMC)

EN IEC 55015:2019+A11:2020

EN IEC 61547:2023

EN IEC 61000-3-2:2019+A1:2021

EN 61000-3-3:2013+A2:2021

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IEC 62321-3-1:2013

IEC 62321-4:2013+A2017

IEC 62321-5:2013

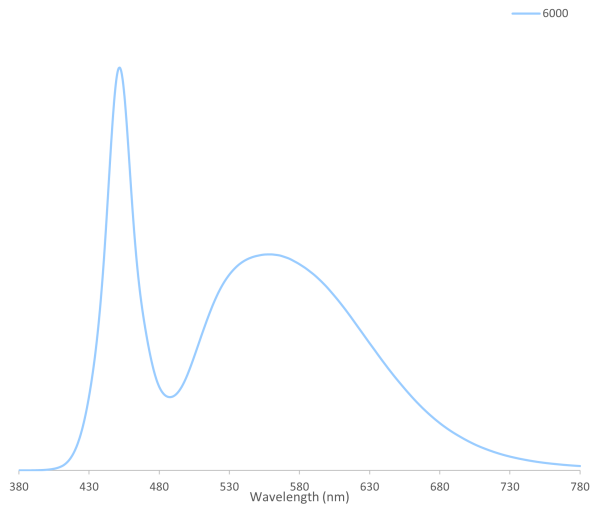
IEC 62321-6:2015

IEC 62321-7-1:2015

IEC 62321-7-2:2017

IEC 62321-8:2017

## Colorimetry

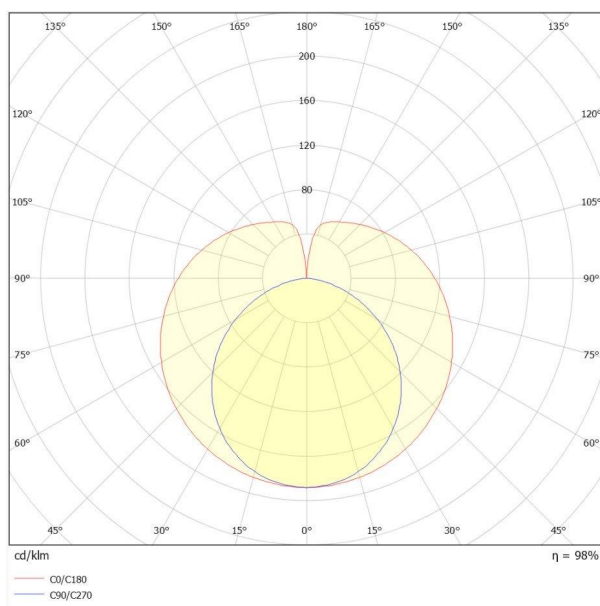


Spectral distribution

Glare evaluation according to UGR											
	70	70	50	50	30	70	70	50	50	30	
p Ceiling	50	30	50	30	30	50	30	50	30	30	
p Walls											
p Floor	20	20	20	20	20	20	20	20	20	20	
Room size	X	Y	Viewing direction at right angles					Viewing direction parallel			
2H	2H	36.4	37.5	37.0	38.1	38.9	33.9	35.0	34.5	35.7	36.4
2H	3H	39.3	40.3	40.0	41.0	41.8	35.3	36.3	36.0	37.0	37.8
2H	4H	41.0	41.9	41.7	42.6	43.4	35.8	36.8	36.5	37.5	38.3
2H	6H	42.9	43.8	43.6	44.5	45.3	36.2	37.1	36.9	37.8	38.6
2H	8H	43.9	44.8	44.6	45.5	46.3	36.2	37.1	36.9	37.8	38.7
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4H	4H	41.9	42.6	42.6	43.4	44.3	37.6	38.3	38.3	39.1	40.0
4H	6H	44.0	44.6	44.7	45.4	46.3	38.2	38.8	38.9	39.6	40.5
4H	8H	45.2	45.8	45.9	46.6	47.5	38.3	38.9	39.1	39.7	40.7
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8H	6H	44.5	45.0	45.3	45.8	46.8	39.7	40.2	40.5	41.0	42.0
8H	8H	45.9	46.4	46.7	47.2	48.2	40.1	40.6	40.9	41.4	42.4
8H	12H	47.5	47.9	48.4	48.8	49.8	40.4	40.8	41.3	41.7	42.7
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Variation of the observer position for the luminaire distance S											
S = 1.0H						+0.2 / -0.2					
S = 1.5H						+0.3 / -0.3					
S = 2.0H						+0.4 / -0.4					
Standard table						----					
Correction summand						----					
							BK13				
							24.3				
Corrected glare indices referring to 2675 lm total luminous flux											

UGR table

## Photometry



Polar diagram



Cone diagram