Luminaire type

LED luminaire for general use in offices with homogeneous light distribution. The so called "lighting panel effect" is achieved through a combination between high-quality LED modules and special opal diffuser. It is designed for ensuring comfortable illumination while saving from electricity and maintenance.

Key advantages

- smooth and uniform light distribution
- long life and maintenance free
- excellent glare protection and no LED spots
- UGR < 19
- quick pay-off for the initial investments (ROI)
- design for quick and easy installation

Mounting

The luminaires are designed for mounting in standard recessed ceilings with module of 600 mm. Version in mounting as FINELINE are available (2, 3 and 4 sides).

Application

This LED luminaire is excellent for general lighting purposes for offices, computer halls, banks, meeting rooms, conference halls, etc. It is IP40 as a standard version, but also is available in protection IP54 (bottom).

Optical system

The luminaire is equipped with a combination between opal diffuser system and high-efficiency LED modules to ensure efficiency of the luminaire of above 110 lm/W.

Electrical connection

The standard luminaire is with quick plug-in connector pre-installed. As an option it can be equipped with connectors Wieland, Wago or Ensto.

Warranty

The operational life of the LED modules used is minimum 50,000 h. The warranty of the luminaire is 5 years. Version with 3 years' warranty is also available on demand.

Technical Specification*

*All specifications are for Philips components. Note tolerances between 5 and 7% in all data.

PRODUCT REVIEW	
Technology	LED
Dimmable	No
Type	Integrated LED
Mount	Recessed
Control gear type	Electronic
Housing material	Steel
Lumen maintenance L70/B50,L80/B10	50 000
Photo biological Risk Group	0
Luminaire efficacy (lm/W)	>120
SDCM	3
Fixture Luminous Flux (lm)	3600
Glare control	UGR < 19
Color temperature (K)	4000
IP	40
IK	04
GENERAL DATA	
Ordering №	
Product name	TMA LED COMFORT
General applications	Offices, banks, computer halls
Sales pack quantity	1
Operating temperature range (°C)	25
Housing color	White RAL 9016
ELECTRICAL DATA	
Luminaire Input Power (W)	29
Inrush duration (µs)	230
Inrush current (A)	15.1
Drive current (mA)	320
Max luminaires per 10A C Breaker	34
Max luminaires per 13A C breaker	44
Max luminaires per 16A C Breaker	56
Max luminaires per 20A C breaker	68
Max luminaires per 10A B breaker	20
Max luminaires per 13A B breaker	26
Max luminaires per 16A B breaker	100% ≤ 33
Max luminaires per 20A B breaker	41
CRI	> 80
Electrical protection	Class I
Glow wire test (°C)	850

ELUX

Lamp energy label (class)	A++
Nominal input voltage	220...240
Nominal frequency (Hz)	50...60

PHYSICAL DATA

Lamp included	Yes
Included lamp	Integrated LED
Nominal product height (mm)	
Nominal product width (mm)	595
Nominal product length (mm)	595
Weight (kg)	4,5
Diffuser finish	Opal
Diffuser material	PMMA

PACKAGING

Single packaging type	Carton
Packaging outer length (cm)	60
Packaging outer width (cm)	60
Packaging outer height (cm)	
Single package volume (dm3)	
Single product gross weight (kg)	5
Single packaging weight (kg)	0,5

PHOTOMETRY