TOLEDO Moon

A LED

5 YEAR WARRANTY

CE ROHS IP20 IK03 200V 240V IEC EN62471 IEC EN60598

Product information

The TOLEDO LED Moon mainly used in indoor lighting, office lighting and commercial lighting, 28W 120lm/W.

Using high lumen SMD 2835, high brightness and low light decay, LED Moon panel can be matched with connector box, make the installation easy and fast to save labor cost.

Features

* With CCT dip Switch 3000K/4000K
* Elegant appearance as the thin lit panel design
* Suitable for recessed, suspended, ceiling installation
* Easy replacement of LED and driver

Product data

General Informadon	
Light source type	LED
Number of LED module	2 pcs
Beam angle of LED module	120°
Color temperature	3000K/4000K
CRI	80
LED module replaceable	Yes, only by professionals
Number of LED driver	1 unit
Driver included	Yes
L90 lifetime of LED module	50,000 hrs
L80 lifetime of LED module	100,000 hrs
LED module lumen	3024lm/3360lm
Operaring and Electrical	
Input Voltage	200-240 Vac
Input frequency	50 to 60 Hz
System wattage	28W
Power factor	0.95
Surge protection	2 kV (L/N-Ground)
Ambient temperature range	-20°C to + 40°C
Performance ambient temperature Tq	+25°C
SDCM	3 steps
Optical type	Diffuser

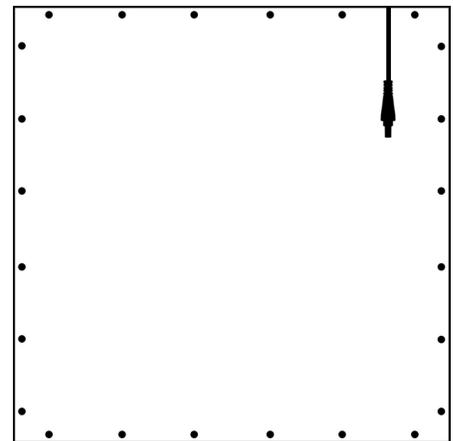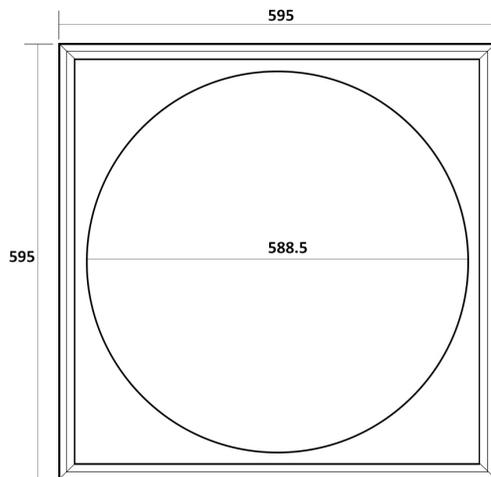|	
Control and dimming	On/off
Connection type	2 pole connector
Protection class IEC	Safety class II
Glow-wire test	Temperature 850°C
UGR	19
PstLM	please refer to driver
SVM	please refer to driver
CE Mark	Yes
EU RoHS compliant	Yes
Net weight (piece)	2.65Kg
Dimension	
Overall length	595mm
Overall width	595mm
Overall height	10 mm
Mechanical and Housing	
Housing material	Al
Optical material	PMMA(LGP)
Housing color	RAL9016
Heatsink material	AL
Ingress protection code	IP20
Meeh, impact protection code	IK03
Remarks	
LED driver failure rate at 50,000hrs@25°C	5%
Power consumption tolerance	±5%

Specifications

Varenummer	LED Module Wattage*	Length mm	Width mm	Height mm	CCT (Kelvin)*	Rated Flux (Lm) *	CRI (Ra)*	Beam angle*	Energy Class	Dimming technology
570401500100	28	595	595	10	3000K/4000K	3024LM/3360LM	80	120°	E	CCT switch dimming

* Due to the special conditons of the manufacturing processes of LED, the typical data of technical parameters can only relfect statistical figures and do not necessarily correspond to the actual parameters of each

single product wihch could differ from the typical value. A max 10% tolerance is deemed to be acceptable in any case.

* 6500K version also available upon request.

Dimension drawings

UGR(Unified Glare Rating) Table

NAME: Toledo Moon 28W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed crosswise				
x = 2H y = 2H	16.6	18.0	16.9	18.2	18.5	16.0	17.4	16.3	17.6	17.9
3H	17.3	18.5	17.6	18.8	19.1	16.8	18.0	17.1	18.3	18.6
4H	17.7	18.9	18.0	19.1	19.4	17.2	18.4	17.5	18.7	19.0
6H	18.1	19.2	18.5	19.5	19.9	17.7	18.8	18.1	19.1	19.4
8H	18.3	19.4	18.7	19.7	20.1	17.9	19.0	18.3	19.3	19.7
12H	18.5	19.5	18.9	19.9	20.2	18.1	19.2	18.5	19.5	19.8
4H 2H	16.9	18.1	17.3	18.4	18.7	16.4	17.6	16.8	17.9	18.2
3H	18.0	19.0	18.3	19.3	19.7	17.5	18.6	17.9	18.9	19.2
4H	18.5	19.5	18.9	19.8	20.2	18.1	19.1	18.5	19.4	19.8
6H	19.2	20.0	19.6	20.4	20.8	18.8	19.6	19.2	20.0	20.4
8H	19.4	20.2	19.9	20.6	21.0	19.1	19.9	19.5	20.3	20.7
12H	19.7	20.4	20.1	20.8	21.3	19.4	20.1	19.8	20.5	20.9
8H 4H	18.8	19.6	19.3	20.0	20.4	18.5	19.3	18.9	19.7	20.1
6H	19.7	20.3	20.2	20.8	21.3	19.4	20.0	19.8	20.4	20.9
8H	20.1	20.7	20.6	21.1	21.6	19.8	20.4	20.3	20.8	21.3
12H	20.5	21.0	21.0	21.5	22.0	20.2	20.7	20.7	21.1	21.7
12H 4H	18.9	19.6	19.3	20.0	20.5	18.5	19.2	19.0	19.7	20.1
6H	19.8	20.4	20.3	20.8	21.3	19.5	20.1	20.0	20.5	21.0
8H	20.3	20.8	20.8	21.3	21.8	20.0	20.5	20.5	21.0	21.5

Variations with the observer position at spacings(CIE Pub. 117):

S = 1.0H	+ 0.4 / - 0.5	+ 0.4 / - 0.4
1.5H	+ 0.3 / - 0.4	+ 0.2 / - 0.4
2.0H	+ 0.9 / - 0.8	+ 0.6 / - 0.7

CIE Pub.117, 3387 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.2)
Area: 0.22 m2