

TOLEDO Ds



Product information

Toledo Ds passer til Focus Ds, Hygiene Performance Ds, Hygiene Protec Ds og Combison Uno Ds.

Med denne løsning monteres Toledo Ds på samme måde som en loftplade og der skal dermed ikke bruges yderligere monterageramme eller lignende. Lampens strukturmaledede ramme med passende fasetkant sikrer, at Toledo Ds design passer perfekt med loftpladerne og dermed fuldender det stilrene loft.

Toledo Ds kan leveres som on/off, DALI2, Philips MasterConnect, Koolmesh 5.0, Casambi eller 1-10V.

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	135 lm/W
Operaring and Electrical	
Input Voltage	200-240 Vac
Input frequency	50 to 60 Hz
System wattage	28W (justerbar på driver til max.36W)
Power factor	0.95
Surge protection	please refer to drvier
Ambient temperature range	-20°C to + 40°C
Performance ambient temperature Tq	+25°C
SDCM	<3 steps
Optical type	Prismatisk

Control and dimming	On/off-DALI2-Casambi-Philips MC
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)	2.34Kg
Dimension	
Overall length	599mm
Overall width	599mm
Overall height	20 mm
Mechanical and Housing	
Housing material	AL
Optical material	PMMA (LGP)
Housing color	NCS S 0500-N
Heatsink material	AL
Ingress protection code	IP44
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
5740036600359	28	599	599	20	3000/4000	3780	80	120°	D	YES

* Due to the special conditons of the manufacturing processes of LED, the typical data of technical parameters can only relect statistical figures and do not necessarily correspond to the actual parameters of each single product wiich could differ from the typical value. A max 10% tolerance is deemed to be acceptable in any case.



Test:U:219.49V I:0.1342A P:28.151W PF:0.9555 Freq:50.00Hz Lamp Flux:3844.55x1 lm										
NAME: TOLEDO Ds					TYPE:4000K			WEIGHT:		
SPEC.:600*600					DIM.: 600*600			SERIAL No.:		
MFR.: EVERFINE					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 endwise				
x = 2H y = 2H	15.5	16.9	15.8	17.1	17.3	15.2	16.6	15.4	16.7	16.9
3H	16.4	17.7	16.7	17.9	18.1	16.0	17.3	16.3	17.5	17.7
4H	16.9	18.0	17.2	18.3	18.5	16.4	17.6	16.7	17.9	18.1
6H	17.2	18.3	17.5	18.6	18.9	16.8	17.9	17.1	18.1	18.4
8H	17.4	18.4	17.7	18.7	19.0	16.8	17.9	17.2	18.2	18.5
12H	17.4	18.5	17.8	18.8	19.1	16.8	17.9	17.2	18.2	18.5
4H 2H	15.8	17.0	16.2	17.3	17.5	15.6	16.8	15.9	17.0	17.3
3H	17.0	18.0	17.3	18.3	18.6	16.7	17.7	17.0	18.0	18.3
4H	17.5	18.5	17.9	18.8	19.1	17.2	18.1	17.6	18.5	18.8
6H	18.1	18.9	18.4	19.2	19.6	17.6	18.5	18.0	18.8	19.2
8H	18.3	19.0	18.7	19.4	19.8	17.8	18.5	18.2	18.9	19.3
12H	18.4	19.1	18.8	19.5	19.9	17.8	18.5	18.2	18.9	19.3
8H 4H	17.8	18.5	18.2	18.9	19.3	17.4	18.2	17.8	18.6	19.0
6H	18.4	19.1	18.9	19.5	19.9	18.0	18.7	18.5	19.1	19.5
8H	18.7	19.3	19.2	19.7	20.1	18.2	18.8	18.7	19.2	19.7
12H	18.9	19.4	19.4	19.8	20.3	18.3	18.8	18.8	19.2	19.7
12H 4H	17.8	18.5	18.2	18.9	19.3	17.5	18.2	17.9	18.5	18.9
6H	18.5	19.0	18.9	19.5	19.9	18.1	18.7	18.5	19.1	19.5
8H	18.8	19.3	19.3	19.7	20.2	18.3	18.8	18.8	19.3	19.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.5				
1.5H	+ 0.2 / - 0.4					+ 0.3 / - 0.4				
2.0H	+ 0.8 / - 0.6					+ 0.6 / - 0.6				

CIE Pub.117, 3845 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.7$)
Area: 0.36 m2

Test:U:219.43V I:0.1517A P:32.020W PF:0.9619 Freq:50.00Hz Lamp Flux:4254.25x1 lm		
NAME: TOLEDO Ds	TYPE:4000K	WEIGHT:
SPEC.:600*600	DIM.: 600*600	SERIAL No.:
MFR.: EVERFINE	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 endwise				
x = 2H y = 2H	15.8	17.2	16.1	17.4	17.5	15.5	16.9	15.7	17.0	17.2
3H	16.7	17.9	17.0	18.1	18.4	16.3	17.6	16.6	17.8	18.0
4H	17.1	18.3	17.4	18.5	18.8	16.7	17.9	17.0	18.2	18.4
6H	17.5	18.6	17.8	18.8	19.1	17.0	18.2	17.4	18.4	18.7
8H	17.6	18.7	17.9	19.0	19.2	17.1	18.2	17.4	18.5	18.7
12H	17.7	18.7	18.0	19.0	19.3	17.1	18.1	17.5	18.4	18.7
4H 2H	16.1	17.3	16.4	17.6	17.8	15.9	17.1	16.2	17.3	17.6
3H	17.2	18.3	17.6	18.6	18.8	16.9	18.0	17.3	18.3	18.6
4H	17.8	18.7	18.2	19.1	19.4	17.5	18.4	17.8	18.7	19.1
6H	18.3	19.1	18.7	19.5	19.8	17.9	18.7	18.3	19.1	19.4
8H	18.5	19.3	18.9	19.6	20.0	18.0	18.8	18.4	19.2	19.5
12H	18.6	19.3	19.0	19.7	20.1	18.1	18.8	18.5	19.1	19.5
8H 4H	18.0	18.8	18.4	19.1	19.5	17.7	18.5	18.1	18.9	19.2
6H	18.7	19.3	19.1	19.7	20.1	18.3	18.9	18.7	19.3	19.8
8H	18.9	19.5	19.4	19.9	20.4	18.5	19.0	18.9	19.5	19.9
12H	19.1	19.6	19.6	20.1	20.5	18.5	19.0	19.0	19.5	19.9
12H 4H	18.0	18.7	18.4	19.1	19.5	17.7	18.4	18.1	18.8	19.2
6H	18.7	19.3	19.2	19.7	20.1	18.3	18.9	18.8	19.3	19.8
8H	19.0	19.5	19.5	19.9	20.4	18.6	19.1	19.0	19.5	20.0

Variations with the observer position at spacings:

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

CIE Pub.117, 4254 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 5.0$)

Area: 0.36 m²

Test:U:219.47V I:0.1692A P:35.949W PF:0.9683 Freq:50.00Hz Lamp Flux:4718.9x1 lm										
NAME: TOLEDO DS					TYPE:4000K			WEIGHT:		
SPEC.:600*600					DIM.: 600*600			SERIAL No.:		
MFR.: EVERFINE					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 endwise				
x = 2H y = 2H	16.2	17.5	16.4	17.7	17.9	15.8	17.2	16.1	17.4	17.6
3H	17.0	18.3	17.3	18.5	18.7	16.7	17.9	17.0	18.2	18.4
4H	17.5	18.7	17.8	18.9	19.1	17.1	18.3	17.4	18.5	18.8
6H	17.8	18.9	18.2	19.2	19.5	17.4	18.5	17.7	18.8	19.0
8H	18.0	19.0	18.3	19.3	19.6	17.5	18.6	17.8	18.8	19.1
12H	18.0	19.1	18.4	19.4	19.7	17.5	18.5	17.8	18.8	19.1
4H 2H	16.5	17.7	16.8	17.9	18.2	16.2	17.4	16.5	17.7	17.9
3H	17.6	18.6	17.9	18.9	19.2	17.3	18.3	17.6	18.6	18.9
4H	18.2	19.1	18.5	19.4	19.7	17.8	18.8	18.2	19.1	19.4
6H	18.7	19.5	19.1	19.8	20.2	18.3	19.1	18.7	19.4	19.8
8H	18.9	19.6	19.3	20.0	20.4	18.4	19.2	18.8	19.5	19.9
12H	19.0	19.7	19.4	20.1	20.5	18.4	19.1	18.8	19.5	19.9
8H 4H	18.4	19.1	18.8	19.5	19.9	18.1	18.8	18.5	19.2	19.6
6H	19.0	19.7	19.5	20.1	20.5	18.6	19.3	19.1	19.7	20.1
8H	19.3	19.9	19.8	20.3	20.7	18.8	19.4	19.3	19.8	20.3
12H	19.5	20.0	20.0	20.4	20.9	18.9	19.4	19.4	19.8	20.3
12H 4H	18.4	19.1	18.8	19.5	19.9	18.1	18.8	18.5	19.2	19.6
6H	19.1	19.6	19.5	20.1	20.5	18.7	19.3	19.2	19.7	20.1
8H	19.4	19.9	19.9	20.3	20.8	18.9	19.4	19.4	19.9	20.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.5				
1.5H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				
2.0H	+ 0.8 / - 0.6					+ 0.6 / - 0.6				

CIE Pub.117, 4719 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.4)
Area: 0.36 m2