

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 montereramme eller lignende. Lampens strukturmaledede ramme med passende fasetkant sikrer, at Toledo Ds design passer perfekt med loftpladerne.

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

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



UGR(Unified Glare Rating) Table

NAME: Toledo Ds 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		<i>Viewed crosswise</i>					<i>Viewed endwise</i>					
x = 2H y = 2H		13.4	14.7	13.7	15.0	15.2	13.7	15.0	14.0	15.2	15.5	
	3H	14.4	15.6	14.7	15.9	16.1	14.6	15.9	15.0	16.1	16.4	
	4H	14.9	16.0	15.2	16.3	16.6	15.2	16.3	15.5	16.6	16.9	
	6H	15.3	16.4	15.7	16.7	17.1	15.7	16.8	16.0	17.1	17.4	
	8H	15.5	16.6	15.9	16.9	17.2	15.9	17.0	16.3	17.3	17.6	
	12H	15.7	16.7	16.1	17.0	17.4	16.1	17.1	16.5	17.5	17.8	
	4H	2H	13.8	15.0	14.2	15.3	15.6	14.0	15.2	14.4	15.5	15.8
		3H	15.0	16.0	15.4	16.4	16.7	15.3	16.3	15.7	16.6	17.0
		4H	15.7	16.6	16.1	17.0	17.4	16.0	16.9	16.4	17.2	17.6
		6H	16.3	17.2	16.8	17.5	17.9	16.7	17.5	17.1	17.9	18.3
		8H	16.6	17.4	17.0	17.8	18.2	17.0	17.7	17.4	18.1	18.6
		12H	16.8	17.5	17.3	17.9	18.4	17.3	18.0	17.7	18.4	18.9
	8H	4H	16.0	16.8	16.5	17.2	17.6	16.3	17.0	16.7	17.4	17.9
		6H	16.9	17.5	17.4	18.0	18.4	17.2	17.8	17.6	18.2	18.7
		8H	17.3	17.8	17.8	18.3	18.8	17.6	18.2	18.1	18.6	19.1
		12H	17.6	18.1	18.1	18.6	19.1	18.1	18.6	18.6	19.0	19.6
	12H	4H	16.1	16.8	16.5	17.2	17.6	16.3	17.0	16.8	17.4	17.9
		6H	17.0	17.6	17.5	18.0	18.5	17.3	17.8	17.8	18.3	18.8
		8H	17.5	18.0	18.0	18.5	19.0	17.8	18.3	18.3	18.8	19.3
Variations with the observer position at spacings(CIE Pub.117):												
S = 1.0H		+ 0.3 / - 0.4					+ 0.3 / - 0.3					
1.5H		+ 0.1 / - 0.3					+ 0.1 / - 0.2					
2.0H		+ 0.4 / - 0.5					+ 0.5 / - 0.4					

CIE Pub. 117, 2890lm Total Lamp Luminous Flux Corrected (8log(F/FO)=3.0)
Area:0.3025m²