

AFDD10W/DTW

8W IP65 Dim-To-Warm LED
Fire Rated Downlight

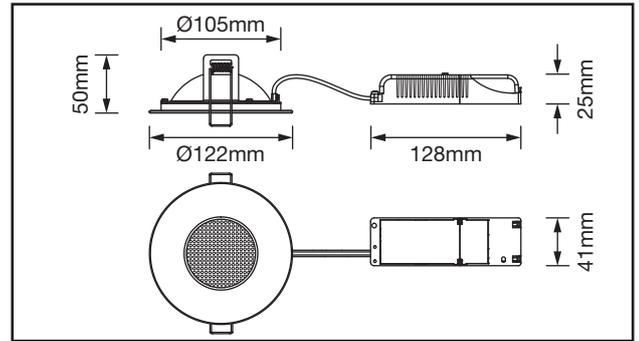


PRODUCT FEATURES

- Dim To Warm Technology - From 2100K To 3000K
- 30, 60, 90 Minutes Fire Rated (Timber Joist)
- 30 Minutes Fire Rated Knauf i-Joist
- Compliant To; Part B - Fire, Part C - Moisture, Part E - Acoustic & Part L - Air Leakage
- IP65 Rated From Front When Installed
- 2 Part Quick Connector
- Loop-In Loop-Out Push Terminals
- Insulation Coverable



This Product Is Used Mainly For Mood And Effect Purposes.
Please Refer To The Lux Table On Datasheet For More Information.
We Recommend That This Product Is Supplemented With Other Light Sources.



TECHNICAL SPECIFICATIONS

Product Code	AFDD10W/DTW
Luminous Flux (LM)	≤400lm
Useful Luminous Flux (LM)	≤400lm
CCT (Kelvin)	From 2100K To 3000K
CCT Type	Dim To Warm
Beam Angle (°)	140°
SDCM	≤6
CRI	>80
Peak Intensity (cd)	106cd
Operating Voltage (V)	220-240V AC
Max Output Power (W)	8.5W
Efficiency %	86%
Operating Current (A Max)	0.043A
Power Factor (Pf)	≥0.9
Class	II
Body Material	Steel
Cut Out	Ø105mm
Frame Colour	Polar White
Switching Cycles	100,000
Ingress Protection	IP65
Ambient Operating Temperature (°C)	-10°C~+40°C
Input Frequency (Hz)	50/60Hz
Guarantee	5 Years
Dimmable	Yes
Dimming Mode (Trailing Or Leading)	Trailing And Leading
Lifetime (L70 B50)	60,000 Hrs
R9 Colour Rendering Index Value	8
Survival Factor	1
Lumen Maintenance Factor	97%
Displacement Factor	≥0.9
Flicker Metric (PstLM)	≤1.0
Stroboscopic Effect Metric (SVM)	≤0.4

See Next Page For LUX Tables



AFDD10W/DTW - LUX Tables

100 LUX (2.4m Height)											
Room Width	Room Length										
	X	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
	1m	2	3	4	4	4	6	6	6	9	9
	2m	4	4	4	6	6	9	9	9	12	12
	3m	4	4	6	9	9	9	12	12	16	16
	4m	4	6	9	9	12	12	16	16	16	20
	5m	4	6	9	12	12	16	16	20	20	20
	6m	6	9	9	12	16	16	20	20	25	25
	7m	6	9	12	16	16	20	20	25	25	30
	8m	6	9	12	16	20	20	25	25	30	30
	9m	9	9	16	16	20	25	25	30	30	36
10m	9	12	16	20	20	25	30	30	36	36	

200 LUX (2.4m Height)											
Room Width	Room Length										
	X	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
	1m	4	5	6	9	9	9	12	12	16	16
	2m	6	6	9	12	12	16	16	16	20	20
	3m	6	9	12	16	16	20	20	25	25	30
	4m	9	12	16	16	20	25	25	30	36	36
	5m	9	12	16	20	25	30	30	36	36	42
	6m	9	16	20	25	30	30	36	42	42	49
	7m	12	16	20	25	30	36	42	49	49	56
	8m	12	16	25	30	36	42	49	49	56	64
	9m	16	20	25	36	36	42	49	56	64	64
10m	16	20	30	36	42	49	56	64	64	72	

300 LUX (2.4m Height)											
Room Width	Room Length										
	X	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
	1m	6	7	9	12	12	16	16	20	20	25
	2m	9	9	12	16	20	20	25	25	30	30
	3m	9	12	16	20	25	30	30	36	42	42
	4m	12	16	20	25	30	36	42	42	49	56
	5m	12	20	25	30	36	42	49	49	56	64
	6m	16	20	30	36	42	49	56	56	64	72
	7m	16	25	30	42	49	56	56	64	72	81
	8m	20	25	36	42	49	56	64	72	81	90
	9m	20	30	42	49	56	64	72	81	90	100
10m	25	30	42	56	64	72	81	90	100	110	

400 LUX (2.4m Height)											
Room Width	Room Length										
	X	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
	1m	9	9	12	16	25	20	25	25	25	30
	2m	9	12	16	20	25	30	30	36	36	42
	3m	12	16	25	30	36	36	42	49	49	56
	4m	16	20	30	36	42	49	49	56	64	72
	5m	16	25	36	42	49	56	64	72	72	81
	6m	20	30	36	49	56	64	72	81	90	100
	7m	25	30	42	49	64	72	81	90	100	110
	8m	25	36	49	56	72	81	90	100	110	121
	9m	25	36	49	64	72	90	100	110	121	132
10m	30	42	56	72	81	100	110	121	132	144	

500 LUX (2.4m Height)											
Room Width	Room Length										
	X	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
	1m	10	12	16	20	20	25	30	30	36	36
	2m	12	16	20	25	30	36	42	42	49	49
	3m	16	20	30	36	42	49	49	56	64	72
	4m	20	25	36	42	49	56	64	72	81	90
	5m	20	30	42	49	56	64	72	81	90	100
	6m	25	36	49	56	64	81	90	100	110	121
	7m	30	42	49	64	72	90	100	110	121	132
	8m	30	42	56	72	81	100	110	121	132	144
	9m	36	49	64	81	90	110	121	132	144	169
10m	36	49	72	90	100	121	132	144	169	182	

The information presented in the tables above is provided as a recommendation only. We strongly advise that customers verify and calculate the advice given. The quantities shown are based on the assumption that items are installed in a uniform pattern and have been rounded to match the figures in the tables. All LED Ltd. cannot be held responsible for any discrepancies between actual installations and the provided information. Ultimately, the decision on the number of units to install in any given area rests with the customer.