HALED Ultra-Thin Downlight DCK(W)002W05-49042/49047/49043/49048



*Features:

- · HALED patent optics design, similar to halogen light effect
- · Easy and quick installation
- · Ultra-thin design, with a height of only 31.4mm
- PF>0.85, flicker free, follows new ErP
- Dimmable or Dim to warm halogen function by triac dimmer
 4.8W HALED downlight replace 50W halogen lamp
- CRI 95, R9>90
- · Low UGR
- · Peak luminous intensity is 1.25 times of parallel products
- · Suitable for all kinds of unenclosed luminaire
- · Metal structure, excellent heat dissipation
- Lifespan 40,000 hrs, 5 years warranty
- High energy efficiency



C € RoHS ErP/ Surface ring: Nickle

Applications

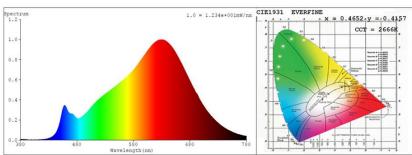
- · Residential application and hotel lighting.
- · Commercial lighting like restaurants, bars,cafes, etc.

Technical data

Electrical specifications Wattage (W)	Part No.	Type of installation		
### Power factor \$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	DCK002W05-49042/49047	Double wiring		
Wattage (W) 4.8W Power factor Current 27mA Current DC output voltage (V) Frequency (Hz) Frequency (Hz) Foliable Total harmonic distortion (THD) Total harmonic distortion (THD) Max. no. of lamps on B16A circuit breaker Max. no. of lamps on C16A circuit breaker Photometric specifications Color temperature (CCT) Corrent Prover factor Current DC output voltage (V) Frequency (Hz) Frequency (Hz) Frequency (Hz) DC output voltage (V) Frequency (Hz) F	DCW002W05-49043/49048			
AC input voltage (V) AC200V-240V Current 27mA Current DC output voltage (V) Frequency (Hz) 50/60Hz DC output voltage (V) Frequency (Hz) 50/60Hz DC output voltage (V) - Stroboscopic effect metric SVN 0.25 Total harmonic distortion (THD) 27% Dimmable Dimmable Max. no. of lamps on B16A 420 Max. no. of lamps on C10A circuit breaker Max. no. of lamps on C16A circuit breaker Photometric specifications Color temperature (CCT) 2700K/3000K CRI/ R9 95/ 90(Min.) Chromaticity coordinate (x/ y) 2700K: 0.459/ 0.412 Current 27mA 27mA 27mA 27mA 240 Current 27mA Call Repleading (V) - CRI/ Repleading Repleading (V) Standard deviation of colour SabcM CRI/ W SabcM CRI/ Repleading Repleading (Im/W) SabcM CRI/ Repleading R	Electrical specifications			
Frequency (Hz) 50/60Hz DC output voltage (V) - Ficker metric PST 0.023 Stroboscopic effect metric SVN 0.25 Total harmonic distortion (THD) 27% Dimmable Dimmable Max. no. of lamps on B16A 420 Max. no. of lamps on C10A circuit 240 circuit breaker breaker Max. no. of lamps on C16A 420 circuit breaker Photometric specifications Color temperature (CCT) 2700K/3000K CRI/ R9 95/ 90(Min.) Chromaticity coordinate (x/ y) 2700K: 0.459/ 0.412 Standard deviation of colour ≤3SDCM Useful luminous flux (Im) 350Im± 5% Luminous efficiency (Im/W) 86Im/ W (ERP)	Wattage (W)	4.8W	Power factor	>0.75
Ficker metric PST 0.023 Stroboscopic effect metric SVN 0.25 Total harmonic distortion (THD) 27% Dimmable Dimmable Max. no. of lamps on B16A 420 Max. no. of lamps on C10A circuit 240 circuit breaker breaker Max. no. of lamps on C16A 420 circuit breaker Photometric specifications Color temperature (CCT) 2700K/3000K CRI/ R9 95/ 90(Min.) Chromaticity coordinate (x/ y) 2700K: 0.459/ 0.412 Standard deviation of colour ≤3SDCM Useful luminous flux (Im) 350Im± 5% Luminous efficiency (Im/W) 86Im/ W (ERP)	AC input voltage (V)	AC200V-240V	Current	27mA
Total harmonic distortion (THD) 27% Max. no. of lamps on B16A 420 Max. no. of lamps on C10A circuit 240 Max. no. of lamps on C16A 420 circuit breaker Max. no. of lamps on C16A 420 circuit breaker Photometric specifications Color temperature (CCT) 2700K/3000K Chromaticity coordinate (x/ y) 2700K: 0.459/ 0.412 Chromaticity coordinate (x/ y) 350lm± 5% Luminous efficiency (lm/W) 86lm/ W (ERP)	Frequency (Hz)	50/60Hz	DC output voltage (V)	-
Max. no. of lamps on B16A 420 Max. no. of lamps on C10A circuit 240 breaker Max. no. of lamps on C16A 420 circuit breaker Photometric specifications Color temperature (CCT) 2700K/3000K CRI/ R9 95/ 90(Min.) Chromaticity coordinate (x/ y) 2700K: 0.459/ 0.412 Standard deviation of colour ≤3SDCM Useful luminous flux (lm) 350lm± 5% Luminous efficiency (lm/W) 86lm/ W (ERP)	Ficker metric PST	0.023	Stroboscopic effect metric SVN	0.25
breaker Max. no. of lamps on C16A 420 circuit breaker Photometric specifications Color temperature (CCT) 2700K/3000K CRI/ R9 95/ 90(Min.) Chromaticity coordinate (x/ y) 2700K: 0.459/ 0.412 Standard deviation of colour ≤3SDCM Useful luminous flux (lm) 350lm± 5% Luminous efficiency (lm/W) 86lm/ W (ERP)	Total harmonic distortion (THD)	27%	Dimmable	Dimmable
Max. no. of lamps on C16A 420 circuit breaker Photometric specifications Color temperature (CCT) 2700K/3000K CRI/ R9 95/ 90(Min.) Chromaticity coordinate (x/ y) 2700K: 0.459/ 0.412 Standard deviation of colour ≤3SDCM Useful luminous flux (Im) 350Im± 5% Luminous efficiency (Im/W) 86Im/ W (ERP)	Max. no. of lamps on B16A	420	Max. no. of lamps on C10A circuit	240
Photometric specifications Color temperature (CCT) 2700K/3000K CRI/ R9 95/ 90(Min.) Chromaticity coordinate (x/ y) 2700K: 0.459/ 0.412 Standard deviation of colour ≤3SDCM Useful luminous flux (lm) 350lm± 5% Luminous efficiency (lm/W) 86lm/ W (ERP)	circuit breaker		breaker	
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	Chromaticity coordinate (x/ y)	2700K: 0.459/ 0.412	Standard deviation of colour	≤3SDCM
UGR ≤19	Useful luminous flux (lm)	350lm± 5%	Luminous efficiency (Im/W)	86lm/ W (ERP)
	UGR	≤19		



Photometric Information



intensity 49037(2700K) White 24° 1050cd 49038(3000K) 49032(2700K) White 36° 800cd 49033(3000K)	EAN	Colour	Beam angle	Peak Luminous		
49038(3000K) -00 -05 -05 -05 -05 -05 -05 -05 -05 -0				intensity		
9032(2700K) White 36° 800cd		White	24°	1050cd	90	2888.54277x 20.86
19032(2700K) White 36° 800cd					-60 562 60	1.5m 355,86462.11k 62.12
49032(2700K) White 36° 800cd					-30 -15 0 15 30	3.0m ay 26713.66s 225.84
		White	36°	800cd	TATA T	0.5m 2464.72/3267.4lts 3
					-60 403 60	1.5m 273.29061.61bx 9 2.0m 153.04202.5ht 12

Mechanical specifications	
Housing material	Aluminium
Optical cover/ lens material	Al Reflector+PC+Glass
Width/ diameter	85mm
Product weight	120g
Lifespan	
Number of switching cycles	100,000-
L80/B10 service life at 25°C	40,000 hrs
Warranty	5 Years
Application parameters	
Working temperatuer range	-20~+50℃
Package	
Individual package length	100mm
Individual package height	45mm

Housing Colour	Titanium
Length/ diameter	68mm
Height	31.4mm
L70/B50 service life at 25°C	50,000 hrs
L90/B10 service life at 25°C	20,000 hrs
Storage temperature range	-20~+70℃
Shipping box heigth	575mm
Shipping box height	245mm

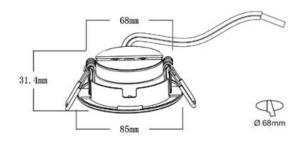
2nd Data Last Updated: 19/08/2025

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Individual package width	90mm	Shipping box width	480mm
Gross weight (single item)	120g	Packaging unit	100pcs
Driver	Internal	Gross weight (Shipping box)	14kgs

Technical Drawings (mm)



Note: Height between the module and roof should be no less than 10cm for heat dissipation purpose for installation.

Package







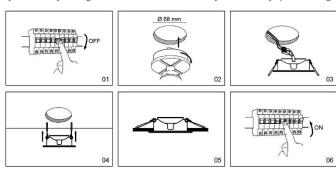
Inner Carton 465*110*110mm(10PCS)



Shipping Carton 575*480*245mm(100PCS)

Installation / Mounting:

Please read the entire instruction manual before using the product and reserve it for future reference. We reserve the right for any error in text or image and any necessary change made to technical data. If you have any question regarding technical problems, please contact our Customer Services.



Cautions:

- Don't touch the lamp when it is lighted
- Don't use it in enclosed luminaire
- Power off before replacement
- Do not in violation of any fire regulations when using
- Consult professional electricians for technical support
- If the cable is damaged, it must be replaced by the manufacturer and its service agent, or qualified person in order to avoid hazards.

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