

# DOT

## DOT SQUARE – CC

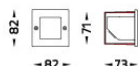
### WALL RECESSED LIGHT



LAST UPDATE: 18-08-2025



DOT family is a range of small recessed wall luminaires with LED light sources. Fitted with world renowned LED manufacturer DOT is highly efficient with low energy consumption. The glare-free cover enables them to be installed where comfortable illumination is required. DOT is available in four different design with interchangeable front covers in both square and round shapes. A very small and shallow housing allows the installation of the fixtures in wall or step that have limited recessing depth. DOT provides directional light for stairways and pathways where comfortable low level of light is preferred.



## Technical Data



Ordering Code :	6012-O-2-899-XX
Lamp :	LED
CCT :	4000 K
CRI :	CRI >80
SDCM :	SDCM = 3
Lamp Lumen :	270 lm
Luminaire Lumen :	80 lm
Lamp Wattage :	2.1 W[700mA]
Luminaire Wattage :	2.1 W
Efficacy :	38 lm/W
Ambient Temperature :	40°C
Lumen Maintenance	L80B10 >108,000 h
Controller :	Remote
Input Voltage :	700mA, 2.98Vdc, Uin max 50Vdc
Net Weight :	0.30 kg.

### Ordering code guide

XXXX-X-X-XXX-XX  
A B C D E

A Product Code  
B Reflector  
C Electrical Component  
D Lamp  
E Color



Icon definition

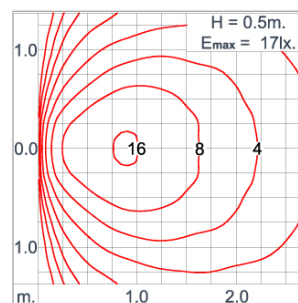
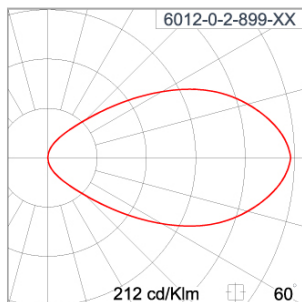
\*Due to the constancy of product development,  
we reserve the right to alter all specification  
without prior notice.

Unilamp Co., Ltd.  
461 Ramintra Road, Kannayao, Bangkok 10230 Thailand  
Tel : +66[0]2 943 2420-1, +66[0]2 946 4170-1  
Fax : +66[0]2 943 2419  
online@unilamp.co.th  
www.unilamp.co.th

#### Specification

IEC Standard	IEC 60598-1 General Requirement IEC 60598-2-2 Recessed Luminaires
Protection	IP65 Class III
IK Rating	Protection against mechanical impact IK07 on body and optical part.
Luminaires Body Housing	High-pressure die cast aluminum alloy body and components.
Coating Process	Nano Ceramic surface conversion, resistant to corrosive environment. Luminaire primarily coated with epoxy resin and top coated with UV stabilized polyester powder and cured in digital temperature controlled chamber at 200°C.
Diffuser	Self-extinguishing high impact resistant clear polycarbonate diffuser with UV stabilized additive.
Gasket	Weather resistant silicone gasket. Working temperature -40°C to +200°C.
External Screws	External screws are in stainless steel with protection grease.
Cable Entry	Cable entry protected by weather proof grommet. To be used with HO5RN-F/ HO7RN-F cable with 5-10mm. diameter.
Led	High efficiency LED module utilized chips from world renowned manufacturer. Assembled on MCPCB and mounted on to heat conductive material.
Driver	Driver is not included and has to be ordered separately.
Terminal Block	Terminal block in GFR PA6.6 for cable with cross section up to 2.5 sqmm. VDE approved.
Caution	Installation work has to be carried on according to the enclosed installation manual.
Color	<div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: black; margin-right: 5px;"></div> Black 01  <div style="width: 20px; height: 10px; background-color: #333; margin-right: 5px;"></div> Graphite 02  <div style="width: 20px; height: 10px; background-color: #666; margin-right: 5px;"></div> Dark Grey 03  <div style="width: 20px; height: 10px; background-color: #ccc; margin-right: 5px;"></div> Aluminum Silver 04  <div style="width: 20px; height: 10px; background-color: #fff; margin-right: 5px;"></div> White 06         </div>

#### Light Distribution



# DOT

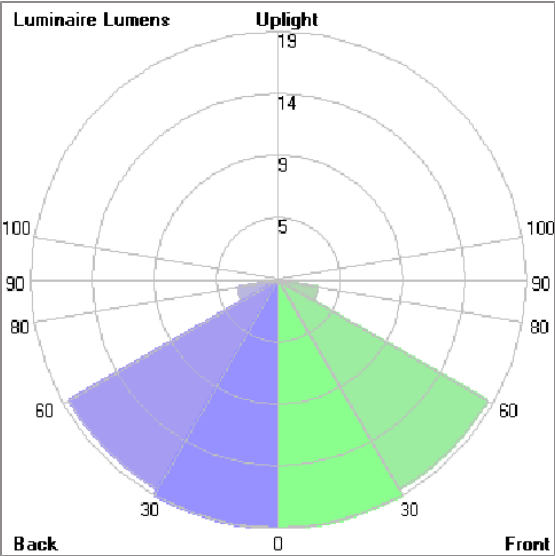
## DOT SQUARE – CC

### WALL RECESSED LIGHT



LAST UPDATE: 18-08-2025

### Bug Report



Lum. Classification System (LCS)				
LCS	Zone	%Lumens	%Lamp	%Lum
FL	[0-30]	18.6	6.9	23.2
FM	[30-60]	18.1	6.7	22.6
FH	[60-80]	3.1	1.1	3.8
FVH	[80-90]	0.2	0.1	0.3
BL	[0-30]	18.6	6.9	23.2
BM	[30-60]	18.1	6.7	22.6
BH	[60-80]	3.1	1.1	3.8
BVH	[80-90]	0.2	0.1	0.3
UL	[90-100]	0.0	0.0	0.0
UH	[100-180]	< 0.05	0.0	0.0
Total		80.0	29.6	100.0
BUG Rating		B0-U1-G0		

\*Due to the constancy of product development,  
we reserve the right to alter all specification  
without prior notice.

# DOT

## DOT SQUARE – CC

### WALL RECESSED LIGHT



LAST UPDATE: 18-08-2025

#### Accessories



Ordering Code:  
AUN-GOP-0101-01  
LED constant current  
driver, 700mA, 4W, with  
IP67 GFR polymer  
enclosure, On-Off



Ordering Code:  
AUN-COV-0002-00  
LED constant current  
convertor input 12-24VDC,  
700mA, 14W, with IP67  
GFR polymer enclosure,  
DALI



Ordering Code:  
AUN-DRG-0012-00  
LED constant current  
driver, 700mA, 20W, with  
IP67 GFR polymer  
enclosure, DALI, with IP68  
series distribution box for  
2-3 luminaires



Ordering Code:  
AUN-CON-0007-00  
IP68 distribution box,  
series wiring , for 1-3  
luminaires