

# PLUTO

## PLUTO FLAT

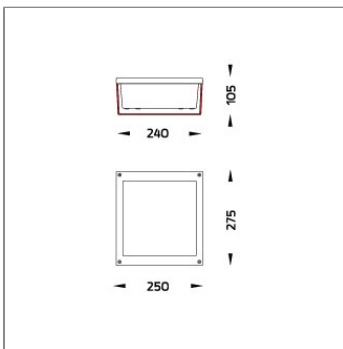
### WALL RECESSED



LAST UPDATE: 18-06-2024



Wall recessed fixtures PLUTO is available with LED light source in 2700K, 3000K or 4000K as well as with HID and compact fluorescent lamps. PLUTO-RAMP with its glare free downward light distribution is a perfect fitting for pathway or stair case illumination. PLUTO-Flat is assembled with a unique white ceramic-coated tempered glass and it illuminates not only the ground surface but also its surroundings. The slim-recess housing enables it to be installed in thin wall applications.



### Technical Data



Ordering Code :	6031-0-3-807-XX
Lamp :	LED
CCT :	4000 K
CRI :	CRI >80
SDCM :	SDCM = 5
Lamp Lumen :	1200 lm
Luminaire Lumen :	600 lm
Lamp Wattage :	12 W
Luminaire Wattage :	14 W
Efficacy :	50 lm/W
Ambient Temperature :	50°C
Lumen Maintenance	L70B10 >36,000 h
Controller :	On-Off
Input Voltage :	220-240Vac 50/60Hz
Net Weight :	3.40 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.

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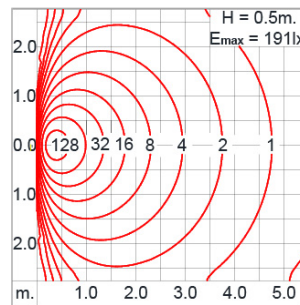
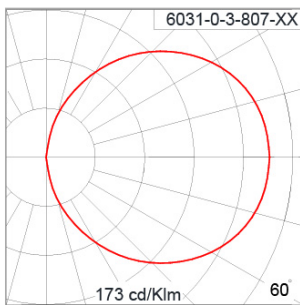


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#### Specification

IEC Standard	IEC 60598-1 General Requirement IEC 60598-2-2 Recessed Luminaires												
Protection	IP65 Class I												
IK Rating	Protection against mechanical impact IK09 on body and IK07 optical part.												
Luminaires Body Housing	High-pressure die cast aluminum alloy body and components. Wall recessed housing made of GFR polymer.												
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	Impact resistant safety tempered glass cover. Able to withstand the temperature up to 250°C.												
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. Assembled on FR4 and mounted on to heat conductive material.												
Internal Wire	Tinned copper conductor with silicone insulated internal wire. IMQ approved. Working temperature -40°C to +180°C.												
Terminal Block	Terminal block in GFR PA6.6 for cable with cross section up to 2.5 sqmm. VDE approved. Class1 luminaire provided with the earth connection.												
Caution	Installation work has to be carried on according to the enclosed installation manual.												
Color	<table><tr><td></td><td>Black O1</td></tr><tr><td></td><td>Graphite O2</td></tr><tr><td></td><td>Dark Grey O3</td></tr><tr><td></td><td>Aluminum Silver O4</td></tr><tr><td></td><td>White O6</td></tr><tr><td></td><td>Wooden Brown O7</td></tr></table>		Black O1		Graphite O2		Dark Grey O3		Aluminum Silver O4		White O6		Wooden Brown O7
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#### Light Distribution



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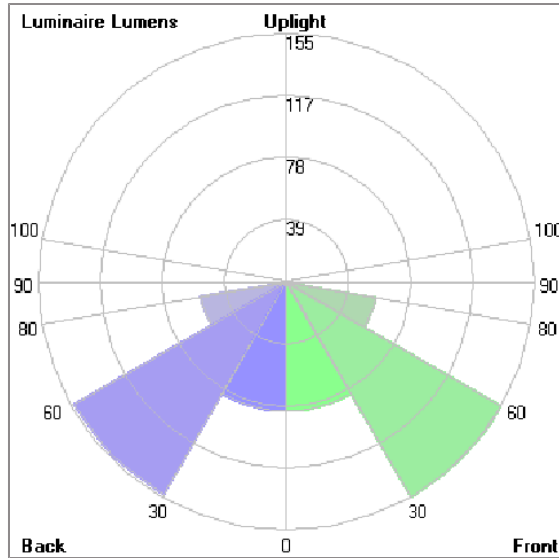
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#### Bug Report



#### Lum. Classification System [LCS]

LCS	Zone	%Lumens	%Lamp	%Lum
FL	[0-30]	81.1	6.8	13.8
FM	[30-60]	155.4	13.0	26.4
FH	[60-80]	56.7	4.7	9.6
FVH	[80-90]	3.9	0.3	0.7
BL	[0-30]	80.7	6.7	13.7
BM	[30-60]	153.3	12.8	26.0
BH	[60-80]	54.2	4.5	9.2
BVH	[80-90]	3.2	0.3	0.5
UL	[90-100]	0.1	0.0	0.0
UH	[100-180]	0.8	0.1	0.1
Total		589.4	49.2	100.0
BUG Rating		BO-U1-G0		

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