



# PETRA DC 10W PDC-10





 Luminaire shape

 Body color

 Die cast Aluminium Body

 IP65 Rated

 IP65 Rated Control gear

 50000 Hrs Lifetime

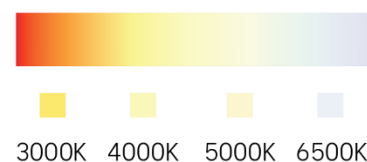
Petra DC is a versatile recessed IP65 downlight that can be used widely in indoors, easy to mount on the ceiling recess. The luminaire offering a broad range of power, color temperatures and options like motion detection, timer, sleep and twilight function.

This range of products are popular for a wide range of application such as office spaces, lobbies, shops, residential and other indoor and outdoor spaces.

### Luminaire Details:





Product Name	: Petra DC
Product Type	: LED Recessed Down Light
Product code	: PDC-10
Efficiency Classification	: Class B
Luminaire Type	: SMD
Fixture Type	: Fixed

### Correlated Color Temperature:



### Light Source Details:

Light Emission	: Spot Emission
Source brand	: Everlight
Rated Power	: 10W
CRI	: >80
UGR	: <19
McAdam Binning	: Step 3

CCT	Rated Lumens
 3000K	900 lms
 4000K	950 lms
 5000K	1000 lms
 6500K	1050 lms

### Luminaire Housing:

Body	: Die Cast Aluminium
Reflector type	: Paper Type
Lens/Diffuser	: Milky Glass Diffuser
Storage Temperature (Ts)	: -40 to 60°C
Ambient Temperature (Ta)	: -20 to 50°C
Humidity	: RH 10-90 %

**5 Years Product Warranty**

**Control Gear Specifications:**

Control Gear Brand	: Hansa Green
Input Voltage	: 220-240V AC
Input Current	: 0.0625A
Frequency	: 50/60Hz
Output Voltage	: 21-48 V DC Max.
Output Current	: 300 mA
Max. Output power	: 15W
Power Factor	: >0.9
THD	: <15%
Case temperature(Tc)	: 80°C
Ambient Temperature	: -20 to 60 C
Over voltage protection	: Available
Short circuit Protection	: Available
No-Load Protection	: Available
Burst Protection Voltage	: 1KV
Surge Protection Voltage	: 1KV(L to N) & 2KV(L/N to Earth)

**Control Gear Compatibility:**

Control Gear is the driving unit of LED. Petra DC is compatible with Phase cut dimming, 0-10/1-10V dimming and DALI Dimming control gears.



**Optics and Beam Angle:**

90° Optics

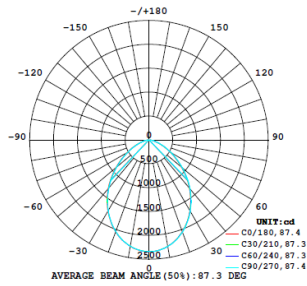
**Add-on sensor Compatibility:**



Petra DC is compatible with external add-on motion detection and daylight sensors.

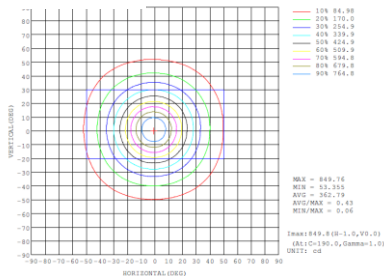
**Photometric Details:**

Photometric testing provides a comprehensive laboratory service for testing the amount, colour, quality and spatial distribution of light emitted from lamps, LEDs and luminaires. The standard photometric data files in IES (.ies) and EULUMDAT (.ldt) formats per IES LM 79-08 and BS EN 13032



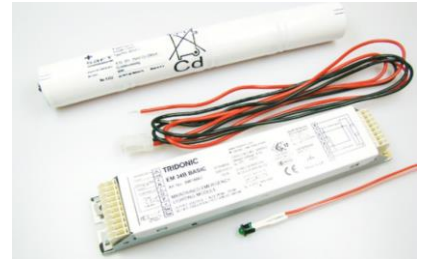
Height	Beam Diameter	Average Illumination
1m	1030, 2342lx	194.00lm
2m	507.4, 588.6lx	388.00lm
3m	344.9, 390.2lx	573.00lm
4m	254.9, 294.4lx	764.00lm
5m	212.2, 237.8lx	956.00lm
6m	180.2, 205.0lx	1144.00lm
7m	157.2, 178.9lx	1337.00lm
8m	139.3, 156.8lx	1528.00lm
9m	124.7, 138.2lx	1719.00lm
10m	112.3, 123.4lx	1910.00lm

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

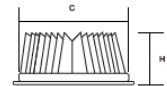
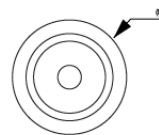


**Emergency Compatibility:**

Petra DC is compatible with emergency kits



**Physical Dimensions:**



Diameter	: 110 mm
Height	: 62 mm
Cut out	: 97 mm

**Ordering Codes**

CCT	Code
3000K	629045010521
4000K	629045010541
5000K	629045010561
6500K	629045010591