



# PETRA DC 40W PDC-40





 Luminaire shape

 Body color

 Die cast Aluminium Body

 IP65 Rated

 IP65 Rated Control gear

 50000 Hrs Lifetime

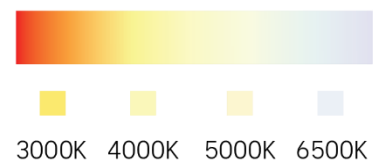
Petra DC is a versatile recessed IP65 downlight that can be used widely in indoors, easy to mount on the ceiling recess. The luminaire offering a broad range of power, color temperatures and options like motion detection, timer, sleep and twilight function.

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-40
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	: 40W
CRI	: >80
UGR	: <19
McAdam Binning	: Step 3

CCT	Rated Lumens
 3000K	3800 lms
 4000K	4000 lms
 5000K	4200 lms
 6500K	4400 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	: 0.188A
Frequency	: 50/60Hz
Output Voltage	: 25-45 V DC Max.
Output Current	: 1050 mA
Max. Output power	: 45W
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

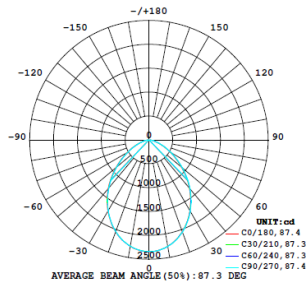
**Add-on sensor Compatibility:**



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

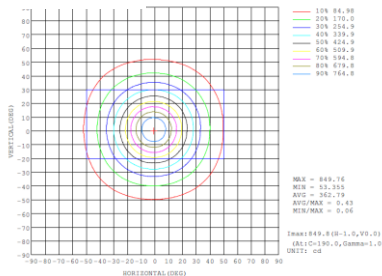
**Photometric Details:**

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



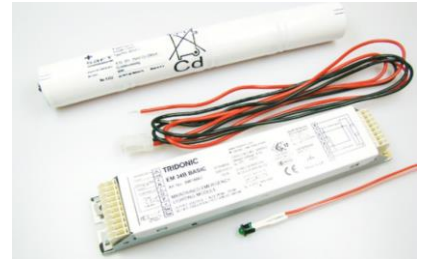
Height	Avg. Flux	Angle: 87.36deg	Diameter
1m	1030,2342lx		194.00mm
2m	257.4,566lx		388.00mm
3m	114.6,260lx		573.00mm
4m	64.40,144lx		768.00mm
5m	41.22,93.69lx		963.00mm
6m	28.62,65.06lx		1144.00mm
7m	21.65,47.60lx		1337.00mm
8m	16.10,36.69lx		1528.00mm
9m	12.72,28.92lx		1719.00mm
10m	10.30,23.42lx		1910.00mm

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

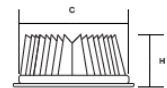
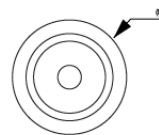


**Emergency Compatibility:**

Petra DC is compatible with emergency kits



**Physical Dimensions:**



Diameter	: 185 mm
Height	: 105 mm
Cut out	: 160 mm

**Ordering Codes**

CCT	Code
3000K	629045040521
4000K	629045040541
5000K	629045040561
6500K	629045040591