




PETRA DC 25W PDC-25





 Luminaire shape

 Body color

 Die cast Aluminium Body

 IP65 Rated

 IP65 Rated Control gear

 50000 Hrs Lifetime

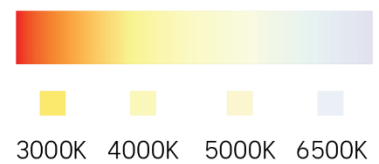
Petra DC is a versatile recessed IP65 downlight that can be used widely in indoors, easy to mount on the ceiling recess. The luminaire offering a broad range of power, color temperatures and options like motion detection, timer, sleep and twilight function.

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-25
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	: 25W
CRI	: >80
UGR	: <19
McAdam Binning	: Step 3

CCT	Rated Lumens
 3000K	2250 lms
 4000K	2375 lms
 5000K	2500 lms
 6500K	2750 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	: 0.13A
Frequency	: 50/60Hz
Output Voltage	: 25-45 V DC Max.
Output Current	: 600 mA
Max. Output power	: 32W
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, 0-10V/1-10V dimming and DALI Dimming control gears.



Optics and Beam Angle:

90° Optics

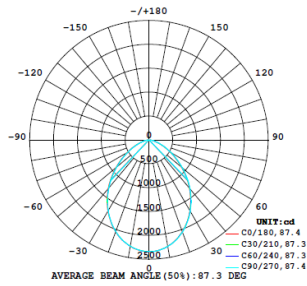
Add-on sensor Compatibility:



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

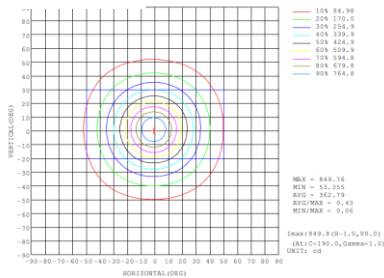
Photometric Details:

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



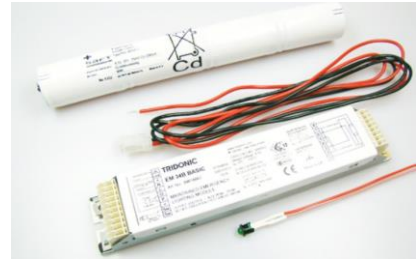
Height	Avg. Max	Angle: 87.36deg	Diameter
1m	1030, 2342lx		194.00mm
2m	257.4, 566.6lx		388.00mm
3m	114.0, 249.2lx		573.00mm
4m	64.4, 144.4lx		764.00mm
5m	41.2, 93.0lx		956.00mm
6m	28.4, 65.0lx		1144.00mm
7m	21.0, 47.0lx		1337.00mm
8m	16.1, 36.0lx		1528.00mm
9m	12.7, 28.0lx		1719.00mm
10m	10.3, 23.4lx		1910.00mm

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

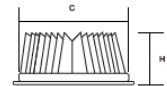
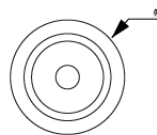


Emergency Compatibility:

Petra DC is compatible with emergency kits



Physical Dimensions:



Diameter	: 160 mm
Height	: 80 mm
Cut out	: 135 mm

Ordering Codes

CCT	Code
3000K	629045025521
4000K	629045025541
5000K	629045025561
6500K	629045025591