













- Square luminaire for installation in wall and ground – recessed.
- Configuration: die-cast aluminium structure, EN AB-47100 alloy (low copper content). Glass diffuser fixed to the aluminium body through a robotic gluing system.
- Double layer coating for high resistance to corrosion: the aluminium components are painted with a double coat using powders which are compliant with QUALICOAT standards: a first layer of epoxy powder (with excellent chemical and mechanical resistance) and a second finishing layer of polyester powder (resistant to UV rays and atmospheric agents). The entire painting process of the aluminium fitting starts from components which have been sandblasted in advance to make the surface more porous and increase the adherence of the paint. Ares effects alkaline and acid washing to clean the surfaces completely, then rinses with demineralised water to remove any residue particles, subsequently a chemical conversion treatment is done to protect against rusting.
- Protection rating: IP67
- In compliance with EN 60598-1 standards
- Class of insulation: III
- Installation: the luminaire is equipped with 300mm of cable for a quick connection. K12 Power LED is equipped with a dc/dc highly efficient converter that removes electromagnetic interference and allows parallel wiring. The whole range is protected against polarity reversal and sudden voltage peak. Outdoor use requires suitable flexible cables. Installation requires a dedicated box to be ordered separately. It is important to provide a >200mm gravel layer or a drain system (for concrete surface) to ensure good drainage and to avoid water stagnation.
- We recommend the use of a connection system with a protection degree greater than or equal to the protection degree of the luminaire.

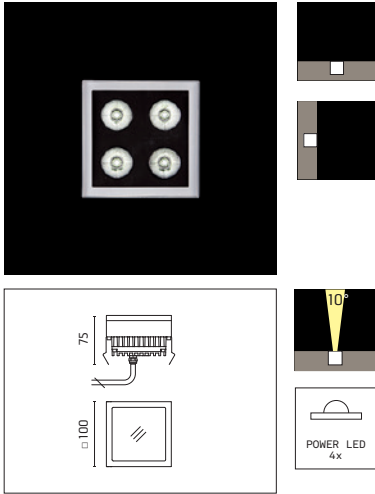
EU Regulation 874/2012 - Illumination equipment energy classes

A++
A+
A

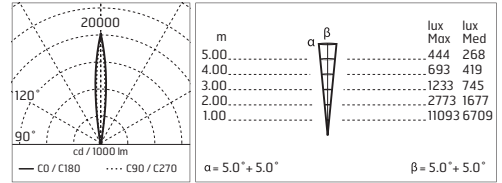
LED VERSION:
Class A/A+/A++
Luminaire supplied with integrated LED modules that cannot be replaced

	Recessed ground fitting		Recessed wall fitting
	Do not install in hollow areas		Installation requires a 20cm water drainage layer (gravel).
	Pre-wired with approx 300mm of cable.		Protection against water ingress from the cable (not for RGB versions)
	Remote device required.		Static load: 1500Kg walk over
	Glass surface temperature <70°C		Protection against impact. IK 10 - 20,00 joule

K12sq Power LED / Narrow Beam 10°

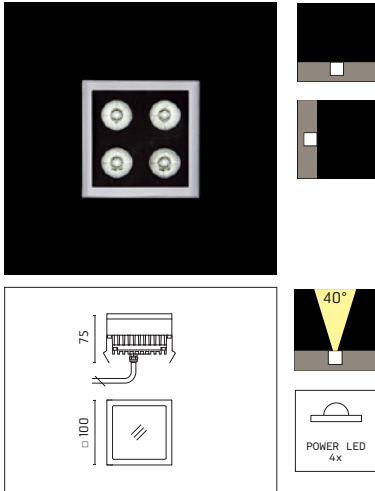


524012 **A A+ A++**
 NATURAL WHITE 4000K
 POWER LEDs
 6,2W/24Vdc
 Total power 7,5W
 lm LED 730 \approx lm OUTPUT 545
 CRI>80
 Remote electronic power supply
 to be ordered

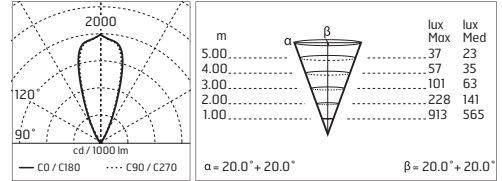


524013 **A A+ A++**
 WARM WHITE 3000K
 POWER LEDs
 6,2W/24Vdc
 Total power 7,5W
 lm LED 685 \approx lm OUTPUT 511
 CRI>80
 Remote electronic power supply
 to be ordered

K12sq Power LED / Medium Beam 40°

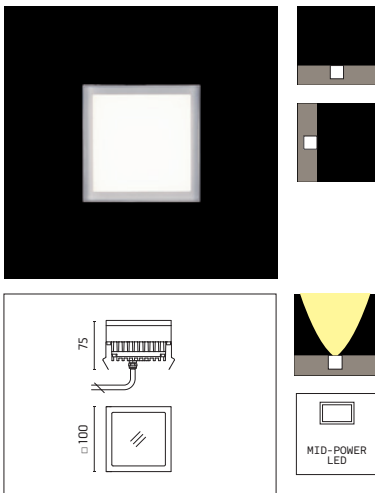


524022 **A A+ A++**
 NATURAL WHITE 4000K
 POWER LEDs
 6,2W/24Vdc
 Total power 7,5W
 lm LED 730 \approx lm OUTPUT 462
 CRI>80
 Remote electronic power supply
 to be ordered

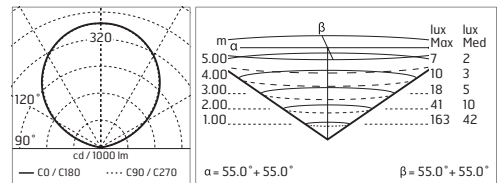


524023 **A A+ A++**
 WARM WHITE 3000K
 POWER LEDs
 6,2W/24Vdc
 Total power 7,5W
 lm LED 685 \approx lm OUTPUT 437
 CRI>80
 Remote electronic power supply
 to be ordered

K12sq Mid-Power LED / Diffused light

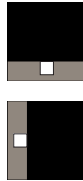
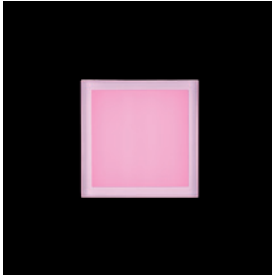


524002 **A A+ A++**
 NATURAL WHITE 4000K
 MID-POWER LEDs
 5,2W/24Vdc
 Total power 6,8W
 lm LED 813 \approx lm OUTPUT 447
 CRI>80
 Remote electronic power supply
 to be ordered
 Acc. 144 or 176



524003 **A A+ A++**
 WARM WHITE 3000K
 MID-POWER LEDs
 5,2W/24Vdc
 Total power 6,8W
 lm LED 774 \approx lm OUTPUT 426
 CRI>80
 Remote electronic power supply
 to be ordered
 Acc. 144 or 176

K12sq RGB Low-Power LED / Diffused light



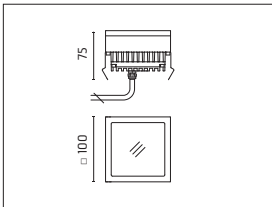
524004 **A A+ A++**

RGB
LOW-POWER LEDs
4,6W/3CH 24Vdc
Total power 6W
Remote electronic power supply
to be ordered

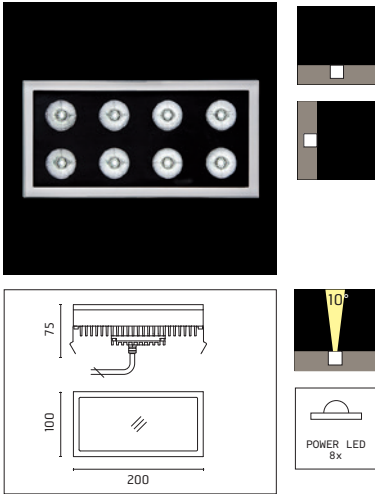
Wiring diagram and installation scheme RGB

Max 8 luminaires K12sq
for each code 148

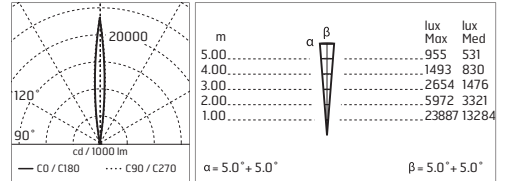
>> See Page 516
Wiring Diagram n.6



K12rc Power LED / Narrow Beam 10°

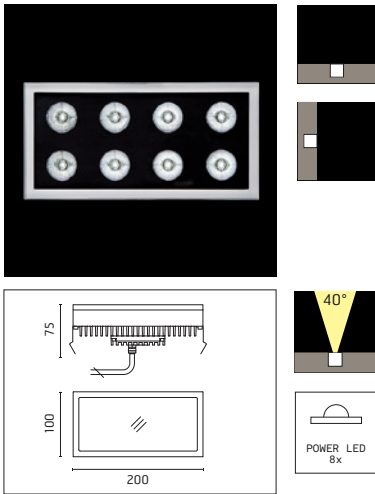


524512 **A A+ A++**
 NATURAL WHITE 4000K
 POWER LEDs
 12,4W/24Vdc
 Total power 15W
 lm LED 1459 \approx lm OUTPUT 1031
 CRI>80
 Remote electronic power supply
 to be ordered

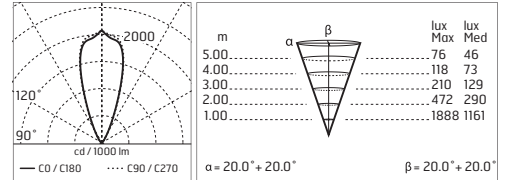


524513 **A A+ A++**
 WARM WHITE 3000K
 POWER LEDs
 12,4W/24Vdc
 Total power 15W
 lm LED 1370 \approx lm OUTPUT 975
 CRI>80
 Remote electronic power supply
 to be ordered

K12rc Power LED / Medium Beam 40°

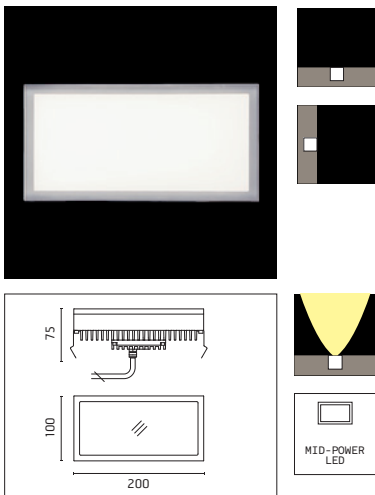


524522 **A A+ A++**
 NATURAL WHITE 4000K
 POWER LEDs
 12,4W/24Vdc
 Total power 15W
 lm LED 1459 \approx lm OUTPUT 906
 CRI>80
 Remote electronic power supply
 to be ordered

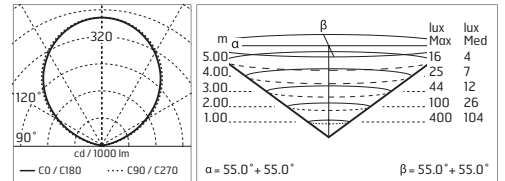


524523 **A A+ A++**
 WARM WHITE 3000K
 POWER LEDs
 12,4W/24Vdc
 Total power 15W
 lm LED 1370 \approx lm OUTPUT 857
 CRI>80
 Remote electronic power supply
 to be ordered

K12rc Mid-Power LED / Diffused light

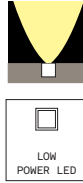
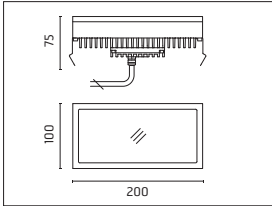
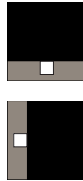


524502 **A A+ A++**
 NATURAL WHITE 4000K
 MID-POWER LEDs
 11,7W/24Vdc
 Total power 15,8W
 lm LED 1829 \approx lm OUTPUT 1060
 CRI>80
 Remote electronic power supply
 to be ordered
 ..Acc. 144 or 176



524503 **A A+ A++**
 WARM WHITE 3000K
 MID-POWER LEDs
 11,7W/24Vdc
 Total power 15,8W
 lm LED 1742 \approx lm OUTPUT 1010
 CRI>80
 Remote electronic power supply
 to be ordered
 ..Acc. 144 or 176

K12rc RGB Low-Power LED / Diffused light



524504 **A A+ A++**

RGB
LOW-POWER LEDs
10W/3CH 24Vdc
Total power 10,5W
Remote electronic power supply
to be ordered

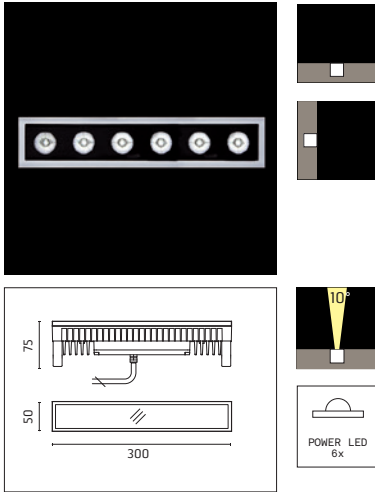
Wiring diagram and installation scheme RGB

Max 4 luminaires K12rc
for each code 148

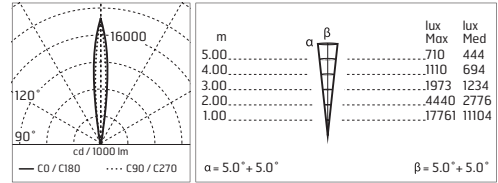
>> See Page 516
Wiring Diagram n.6



K12In Power LED / Narrow Beam 10°

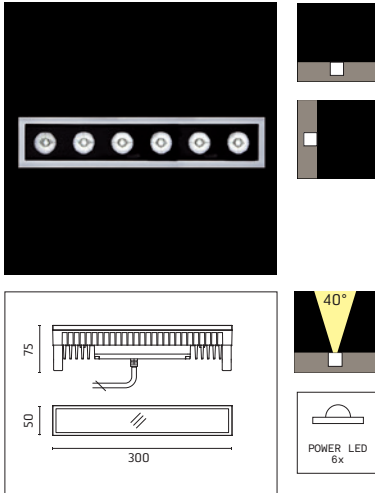


524112 **A A+ A++**
 NATURAL WHITE 4000K
 POWER LEDs
 9,3W/24Vdc
 Total power 11,8W
 lm LED 1094 ≈ lm OUTPUT 967
 CRI>80
 Remote electronic power supply
 to be ordered

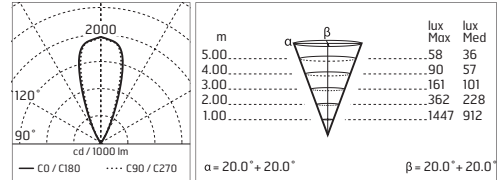


524113 **A A+ A++**
 WARM WHITE 3000K
 POWER LEDs
 9,3W/24Vdc
 Total power 11,8W
 lm LED 1027 ≈ lm OUTPUT 916
 CRI>80
 Remote electronic power supply
 to be ordered

K12In Power LED / Medium Beam 40°

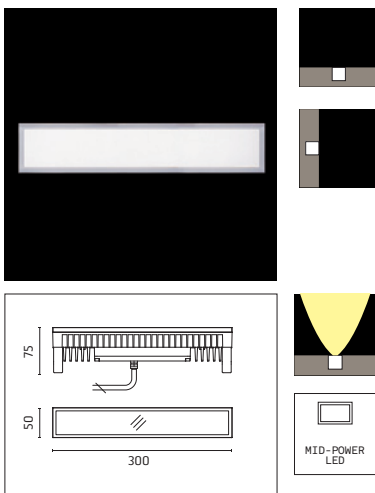


524122 **A A+ A++**
 NATURAL WHITE 4000K
 POWER LEDs
 9,3W/24Vdc
 Total power 11,8W
 lm LED 1094 ≈ lm OUTPUT 737
 CRI>80
 Remote electronic power supply
 to be ordered

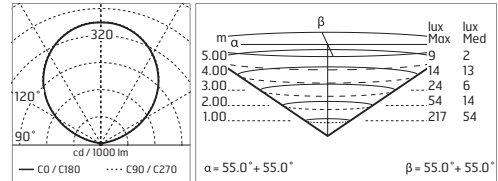


524123 **A A+ A++**
 WARM WHITE 3000K
 POWER LEDs
 9,3W/24Vdc
 Total power 11,8W
 lm LED 1027 ≈ lm OUTPUT 697
 CRI>80
 Remote electronic power supply
 to be ordered

K12In Mid-Power LED / Diffused Light

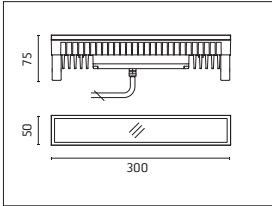
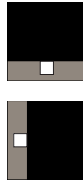
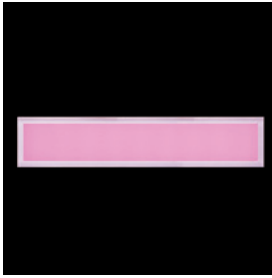


524102 **A A+ A++**
 NATURAL WHITE 4000K
 MID-POWER LEDs
 7,8W/24Vdc
 Total power 10,5W
 lm LED 1219 ≈ lm OUTPUT 607
 CRI>80
 Remote electronic power supply
 to be ordered
 Acc. 144 or 176



524103 **A A+ A++**
 WARM WHITE 3000K
 MID-POWER LEDs
 7,8W/24Vdc
 Total power 10,5W
 lm LED 1161 ≈ lm OUTPUT 578
 CRI>80
 Remote electronic power supply
 to be ordered
 Acc. 144 or 176

K12In RGB Low-Power LED / Diffused Light



524104 **A A+ A++**

RGB
LOW-POWER LEDs
7,5W/3CH 24Vdc
Total power 8W
Remote electronic power supply
to be ordered

Wiring diagram and installation scheme RGB

Max 5 luminaires K12In
for each code 148

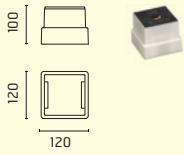
» See Page 516
Wiring Diagram n.6



Accessories: K12

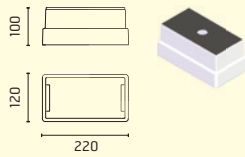
151

BOX FOR INSTALLATION
120 x 120 x H 95mm



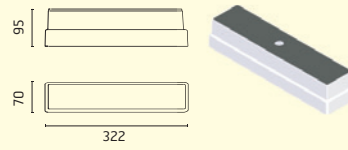
152

BOX FOR INSTALLATION
220 x 120 x H 95mm



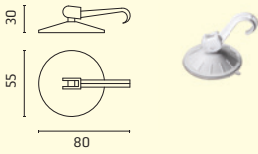
183

BOX FOR INSTALLATION
322 x 70 x H 95mm



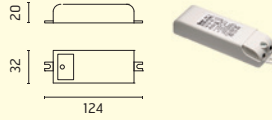
153

SUCTION CUP TO PULL THE LUMINAIRE



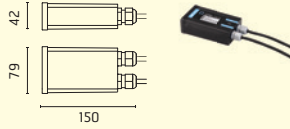
87

POWER SUPPLY 10W/110÷240V -
24Vdc IP20 CLASS II SELV.



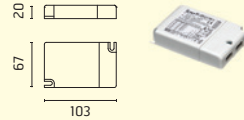
175

POWER SUPPLY 10W/110÷240V - 24Vdc
IP67 CLASS II SELV.



144

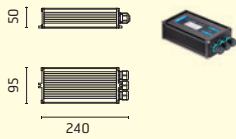
POWER SUPPLY 17W/110÷240V - 24Vdc
(15W@110V) IP20 CLASS II SELV.



... DIMMABLE: PUSH-DIM OR 1...10V
See Page 514 Wiring Diagram n.4

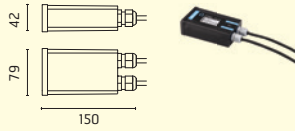


176
POWER SUPPLY 17W/110÷240V - 24Vdc
(15W@110V) IP67 CLASS II SELV.

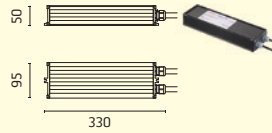


...DIMMABLE: PUSH-DIM OR 1...10V
See Page 514 Wiring Diagram n.4

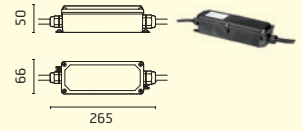
147
POWER SUPPLY 20W/220÷240V - 24Vdc
IP67 CLASS II SELV.



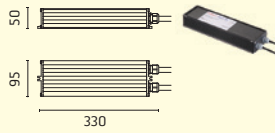
155
POWER SUPPLY 50W/120÷240V - 24Vdc
IP67 CLASS II SELV.



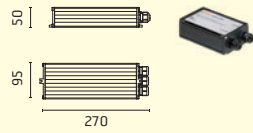
110
POWER SUPPLY 70W/220÷240V - 24Vdc
IP67 CLASS II SELV EQ.



156
POWER SUPPLY 96W /120÷277V - 24Vdc
IP67 CLASS II SELV.



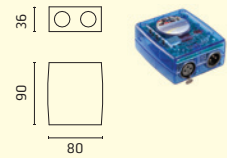
148
POWER SUPPLY WITH DMX INTERFACE FOR
RGB FIXTURES 55W/220÷230V-3CHX24Vdc
(3CHX18W) DMX CONTROLLER ALLOWED
IP67 CLASS I SELV EQ.



142
DMX CONTROLLER;
DIMMER SWITCH FOR RECESSED BOX
(60mm HOLE CENTRES)



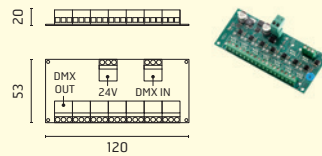
143
DMX CONTROLLER;
STAND-ALONE/PC INTERFACE



186
DMX CABLE - SHIELDED TWISTED PAIR
WITH 110 Ohm CONSTANT IMPEDANCE.



187
DMX SPLITTER - ELECTRONIC DEVICE TO
REGENERATE THE DMX SIGNAL. 1 INPUT
AND 7 OUTPUT. 12÷24Vdc POWER SUPPLY TO
BE ORDERED (87 OR 175 RECOMMENDED)



acc. code ▶	151	152	183	153	87	175	144	176	147	155	110	156	148	142	143	186	187
prod. code ▼																	
524002	•			•	1	1	2	2	2	6	9	13					
524003	•			•	1	1	2	2	2	6	9	13					
524004	•			•									8	•	•	•	•
524012	•			•	1	1				5	8						
524013	•			•	1	1				5	8						
524022	•			•	1	1				5	8						
524023	•			•	1	1				5	8						
524502		•		•			1	1	1	3	4	6					
524503		•		•			1	1	1	3	4	6					
524504		•		•									4	•	•	•	•
524512		•		•					1	2	4						
524513		•		•					1	2	4						
524522		•		•					1	2	4						
524523		•		•					1	2	4						
524102			•	•			1	1	1	4	6	9					
524103			•	•			1	1	1	4	6	9					
524104			•	•									5	•	•	•	•
524112			•	•					1	3	6						
524113			•	•					1	3	6						
524122			•	•					1	3	6						
524123			•	•					1	3	6						

Max fixtures for each power supply (Vin 220÷240). Data in the chart are provided as a guide only. Please verify according to your installation.