

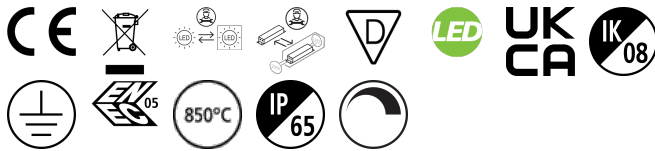
## Granit 0-10V

Granit IP65 0-10V 31000lm 840 WB

0039602

### Product features

- Integrated LED highbay; Black aluminium housing; 31000lm; 220 W; 141 Lm/W; 4000K; Drive current: 860mA; CRI 80; 85° beam angle; 0-10V dimmable; IP65; IK08; Lifespan L80:B50 90,000 hrs; (D x H) 385 x 181 mm; 1.5 m mains cable; 1.5 m control cable; 1.2 m chain length including hooks.



### PRODUCT OVERVIEW

Product name	Granit IP65 0-10V 31000lm 840 WB
Technology	LED
Housing	Aluminium
Mount	Suspended
General application	Logistics & Industry
ETIM Class	EC001716
E-number FI	4357012
Warranty	5 years
Fixture luminous flux (lm)	31000
Luminaire efficacy (lm/W)	141
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	85
Glare control	< 25
Photobiological Risk Group	RG1
Total power consumption (W)	220
Electrical protection	Class I
Control gear type	Other
Dimmable	Yes
LED Flickering Rate	Low (6% - 20%)
Housing colour	Black
IP rating	IP65
IK rating	IK08
Product EAN number	5410288396026

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### DATA TABLE

#### General data

Product name	Granit IP65 0-10V 31000lm 840 WB
Technology	LED
Housing	Aluminium
Mount	Suspended
General application	Logistics & Industry
Operating temperature range (°C)	-30°C - 50°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001716
E-number FI	4357012
Warranty	5 years

#### Optical data

Fixture luminous flux (lm)	31000
Luminaire efficacy (lm/W)	141
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	85
Glare control	< 25
Photobiological Risk Group	RG1

#### Electrical data

Total power consumption (W)	220
Mains voltage (V)	220-240V~
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	10
Electrical protection	Class I
Control gear type	Other
Dimmable	Yes
Drive current (mA)	860
Inrush Current (A)	99.2
Inrush Duration (µs)	220
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Low (6% - 20%)
Max. Luminaires per 10A C Breaker	3
Max. Luminaires per 13A C Breaker	5
Max. Luminaires per 16A C Breaker	7
Max. Luminaires per 20A C Breaker	8
Max. Luminaires per 10A B Breaker	3
Max. Luminaires per 13A B Breaker	3

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Max. Luminaires per 16A B Breaker	4
Max. Luminaires per 20A B Breaker	5

### Lifetime data

Lifespan L80 B50	90000
Lifespan L80 B20	70000
Lifespan L80 B10	65000
Lifespan L90 B50	45000

### Physical data

Housing colour	Black
IP rating	IP65
IK rating	IK08
Diffuser finish	Transparent
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	385
Nominal Product Width (mm)	385
Nominal Product Height (mm)	181
Nominal Product Diameter (mm)	385
Weight (kg)	4.77

### Packaging

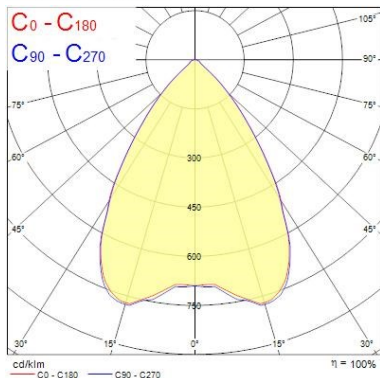
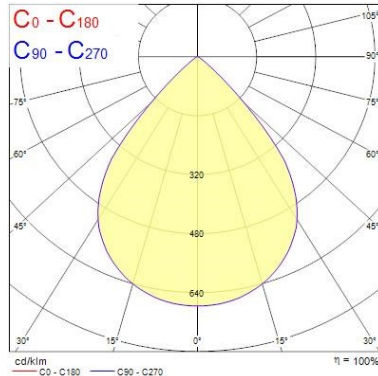
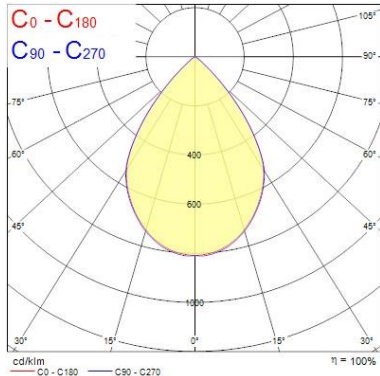
Single packaging type	Carton
Product EAN number	5410288396026
Packaging single length / height (cm)	44.5
Packaging single width (cm)	44.5
Packaging single depth (cm)	19.5
DUN14 (outer)	05410288396026
Units per outer package	1
Packaging outer length / height (cm)	44.5
Packaging outer width (cm)	44.5
Packaging outer depth (cm)	19.5

### Safety data

Optimal operating condition (°C)	-30-50
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## PHOTOMETRY

## Granit 0-10V Granit IP65 0-10V 31000lm 840 WB 0039602



Distance [m]	Cone diameter [m]	E(0°) [lx]	E(C90) [lx]	E(C0) [lx]
0.5	0.74	9795	36.8°	25443
1.0	1.49	2449	36.8°	6362
1.5	2.23	1083	36.8°	2823
2.0	2.97	612	36.8°	1590
2.5	3.71	391	36.8°	1018
3.0	4.46	273	36.8°	707

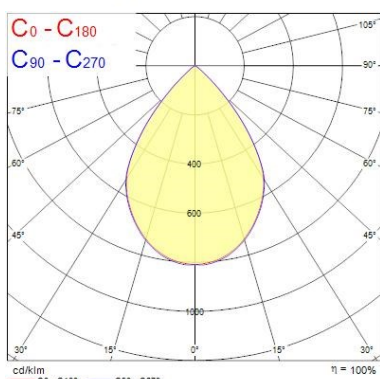
Distance [m] Cone diameter [m]  
C0 - C180 (Half beam angle: 73.2°) Illuminance [lx]

Distance [m]	Cone diameter [m]	E(0°) [lx]	E(C90) [lx]	E(C0) [lx]
0.5	0.74	9784	36.8°	25429
1.0	1.49	2449	36.8°	6362
1.5	2.23	1074	36.8°	2823
2.0	2.97	616	36.8°	1599
2.5	3.71	395	36.8°	1017
3.0	4.46	278	36.8°	708

Distance [m] Cone diameter [m]  
C0 - C180 (Half beam angle: 73.2°) Illuminance [lx]

Distance [m]	Cone diameter [m]	E(0°) [lx]	E(C90) [lx]	E(C0) [lx]
0.5	0.70	32103	34.9°	25617
1.0	1.40	20526	34.9°	1634
1.5	2.09	9122	34.9°	2346
2.0	2.79	5131	34.9°	1651
2.5	3.49	3234	34.9°	1023
3.0	4.19	2201	34.9°	712

Distance [m] Cone diameter [m]  
C0 - C180 (Half beam angle: 70.0°)  
C90 - C270 (Half beam angle: 65.8°) Illuminance [lx]



Distance [m]	Cone diameter [m]	E(0°) [lx]	E(C90) [lx]	E(C0) [lx]
0.5	0.86	8874	40.7°	19299
1.0	1.72	2228	40.7°	4850
1.5	2.58	975	40.7°	2155
2.0	3.44	585	40.7°	1212
2.5	4.30	355	40.7°	778
3.0	5.16	249	40.7°	539

Distance [m] Cone diameter [m]  
C0 - C180 (Half beam angle: 81.4°) Illuminance [lx]

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## TECHNICAL DRAWINGS

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