

Features

- Integrated LED highbay; Black aluminium housing; 19500 Lm; 139 W; 140 Lm/W; 4000K; Drive current: 2400mA; CRI 80; 55° beam angle; DALI dimmable; IP65; IK08; Lifespan L80:B50 90,000 hrs; (D x H) 321 x 189 mm; 1.5 m mains cable; 1.5 m control cable; 1.2 m chain length including hooks.

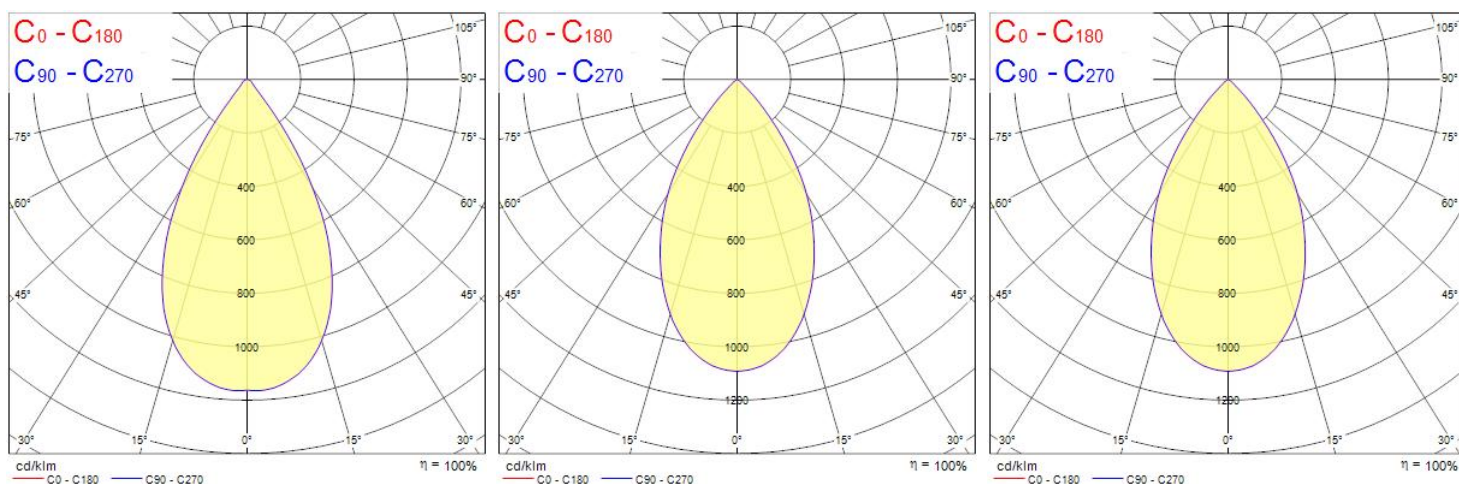
Product Overview

Product name	Granit IP65 DALI 19000lm 840 MB
Technology	LED
Housing	Aluminium
Mount	Suspended
Fixture rating	Enclosed
General application	Logistics & Industry
ETIM Class	EC001716
E-number FI	4357015
Fixture luminous flux (lm)	19500
Luminaire efficacy (lm/W)	140
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	55
Glare control	< 22

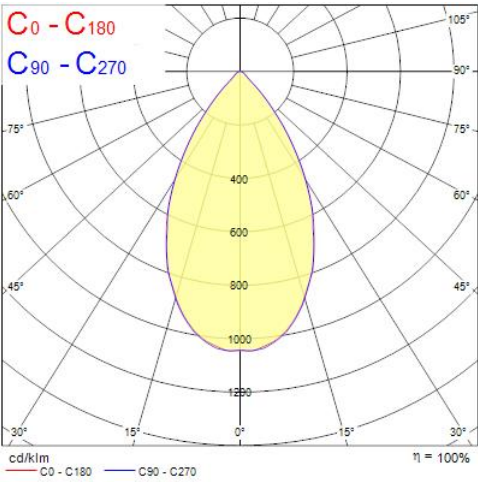
Granit IP65 DALI 19000lm 840 MB 0039618

Photobiological Risk Group	RG1
Total power consumption (W)	139
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	5410288396187
Warranty	5 years
Dimming method	DALI

Photometry



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0.5	0.55	E(0°) E(C0)	28.7° 32503
1.0	1.09	E(0°) E(C0)	28.7° 5125
1.5	1.64	E(0°) E(C0)	28.7° 3611
2.0	2.19	E(0°) E(C0)	28.7° 3031
2.5	2.74	E(0°) E(C0)	28.7° 1300
3.0	3.28	E(0°) E(C0)	28.7° 903

Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 57.4°)

0.5	0.57	E(0°) E(C0)	29.7° 85486
1.0	1.14	E(0°) E(C0)	29.7° 21372
1.5	1.71	E(0°) E(C0)	29.7° 9496
2.0	2.28	E(0°) E(C0)	29.7° 5343
2.5	2.85	E(0°) E(C0)	29.7° 3419
3.0	3.42	E(0°) E(C0)	29.7° 2375

Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 59.4°)

0.5	0.57	E(0°) E(C0)	29.7° 85399
1.0	1.14	E(0°) E(C0)	29.7° 21350
1.5	1.71	E(0°) E(C0)	29.7° 9489
2.0	2.28	E(0°) E(C0)	29.7° 5337
2.5	2.85	E(0°) E(C0)	29.7° 3415
3.0	3.42	E(0°) E(C0)	29.7° 2372

Distance [m] Cone diameter [m] Illuminance [lx]

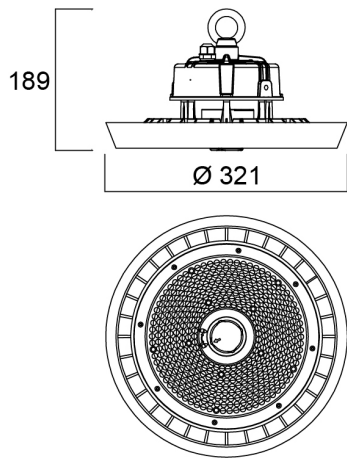
— C0 - C180 (Half beam angle: 59.4°)

0.5	0.57 0.56	E(0°) E(C90) E(C0)	29.5° 29.5° 29.4°	81583 26962 27191
1.0	1.13 1.13	E(0°) E(C90) E(C0)	29.5° 29.5° 29.4°	20396 6745 6796
1.5	1.70 1.69	E(0°) E(C90) E(C0)	29.5° 29.5° 29.4°	9065 2999 3021
2.0	2.26 2.25	E(0°) E(C90) E(C0)	29.5° 29.5° 29.4°	5099 1857 1699
2.5	2.83 2.82	E(0°) E(C90) E(C0)	29.5° 29.5° 29.4°	3283 1080 1086
3.0	3.39 3.38	E(0°) E(C90) E(C0)	29.5° 29.5° 29.4°	2255 750 755

Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 58.8°)
— C90 - C270 (Half beam angle: 59.0°)

Technical drawings



Data table

GENERAL DATA

Product name	Granit IP65 DALI 19000lm 840 MB
Technology	LED
Housing	Aluminium
Mount	Suspended
Fixture rating	Enclosed
General application	Logistics & Industry
Operating temperature range (°C)	-30°C...+50°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001716
E-number FI	4357015
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	19500
Luminaire efficacy (lm/W)	140

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Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	55
Glare control	< 22
Photobiological Risk Group	RG1

ELECTRICAL DATA

Total power consumption (W)	139
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 required	No
Control gear type	Other
Dimmable	Yes
Dimming method	DALI
Drive current (mA)	2400
Inrush Current (A)	138
Inrush Duration (µs)	118
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	2
Max. Luminaires per 13A C Breaker	3
Max. Luminaires per 16A C Breaker	4
Max. Luminaires per 20A C Breaker	4
Max. Luminaires per 10A B Breaker	1
Max. Luminaires per 13A B Breaker	1
Max. Luminaires per 16A B Breaker	2
Max. Luminaires per 20A B Breaker	2

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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 Height (mm)	189
Nominal Product Diameter (mm)	321
Weight (kg)	3.58

PACKAGING

Single packaging type	Carton
Product EAN number	5410288396187
Packaging single length / height (cm)	38.0
Packaging single width (cm)	38.0
Packaging single depth (cm)	18.5
DUN14 (outer)	05410288396187
Units per outer package	1
Packaging outer length / height (cm)	38.0
Packaging outer width (cm)	38.0
Packaging outer depth (cm)	18.5

SAFETY DATA

Optimal operating condition (°C)	-30-50
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No

SYLVANIA

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