

horizon evo

circular LED surface luminaire



Optics

- Light output options;
 - 1200 lumens (18W)
 - 1600 lumens (24W)
 - 2000 lumens (36W)
- Two colour temperature options:
 - 'Cool' white 4000K
 - 'Warm' white 3000K
- Polycarbonate opal diffuser retained in steel bezel
- Positive snap fit diffuser

Body

- Spun steel body, finished white
- IP40
- Surface mounted for wall or ceiling
- Side or rear entry mains connection
- Integral 3hr emergency option available



Order Codes

Horizon Evo

1200 lumens (18W)
1600 lumens (24W)
2000 lumens (36W)

Fixed Output

HZEH14K
HZEH24K
HZEH34K

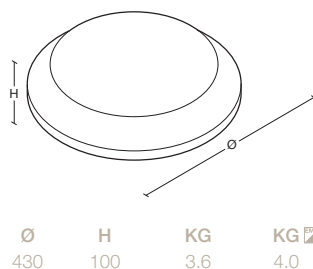
3 hr Emergency

HZEH14KEM
HZEH24KEM
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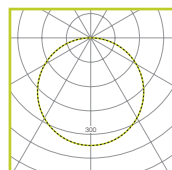
Options

3000K Replace 4 with 3 i.e. HZEH13K

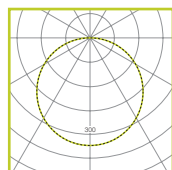
Dimensions



Photometric Performance



24W LED (4K)
1600 lumens
• LOR = 100%
• SHR MAX = 1.64



36W LED (4K)
2000 lumens
• LOR = 100%
• SHR MAX = 1.64

Utilisation Factors UF(F)

Room Reflectance Room Index
C W F 1.00 3.00 5.00
0.70 0.50 0.20 0.67 0.95 1.03

Utilisation Factors UF(F)

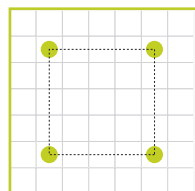
Room Reflectance Room Index
C W F 1.00 3.00 5.00
0.70 0.50 0.20 0.67 0.95 1.03

LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
3000K	Ra>80	L ₈₀ (50,000hrs)	MacAdam 3 SDCM
4000K	Ra>80	L ₈₀ (50,000hrs)	MacAdam 3 SDCM

Performance Guide

Lamps Illuminance Spacing
24W LED 240 lux 2.4m x 2.4m



Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
2.7m
Working Plane:
0.8m

Equivalent Lamp Types

1200 Lumen Output
2D lamp 1 x 28W
1600 Lumen Output
2D lamp 1 x 38W
2000 Lumen Output
TC-D lamp 2 x 26W

To Specify

Surface mounted circular IP40 LED luminaire 430mm Ø and 100mm protrusion from surface. Flame retardant opal diffuser with spun steel body – as Whitecroft Lighting HORIZON EVO