



## Halo

### SURFACE MOUNTED & SUSPENDED DOWNLIGHTS | PI-LED SERIES

With a minimalist design, Halo is a very versatile pendant luminaire, creating an elegant light effect. Four beam angles - from narrow to wide. Optimized for high-performance and pleasant lighting in shops, pubs, bistros, restaurants and building entrances or receptions. Can be equipped with special color temperatures to enhance the appearance of different food categories, art, fashion and hospitality.

Housing made of aluminum, available in three colors - signal white, jet black and white aluminum – for a perfect blend with the environment.

PI-LED - Combines variable white light and light of the RGB color system in one single light source. It can vary the color temperature between 2700K - 6500K along Planckian curve in the course of a day.

Halo surface-mounted and suspended downlight comes in several series, with various add-on and controls:

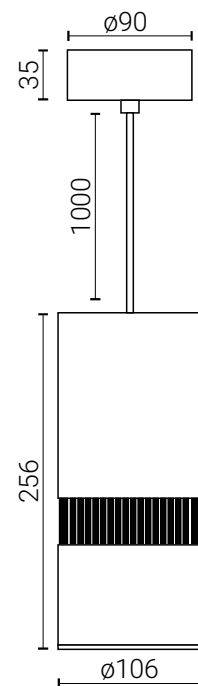
- Halo TEC – the standard for any project in the retail sector
- Halo DALI – with DALI controls for dimming
- Halo PI-LED - provides a special color designed to induce a state of well-being and vitality by improving hormone balance

#### FEATURES & BENEFITS

- CRI 90 as standard
- Color temperature: PI-LED
- Great variety of optics – 4 angles from narrow beams to flood beams
- Efficiency: 54lm/W @4000K

#### APPLICATION

Grocery & Supermarkets | Retail | Office | Healthcare | Hospitality | DIY



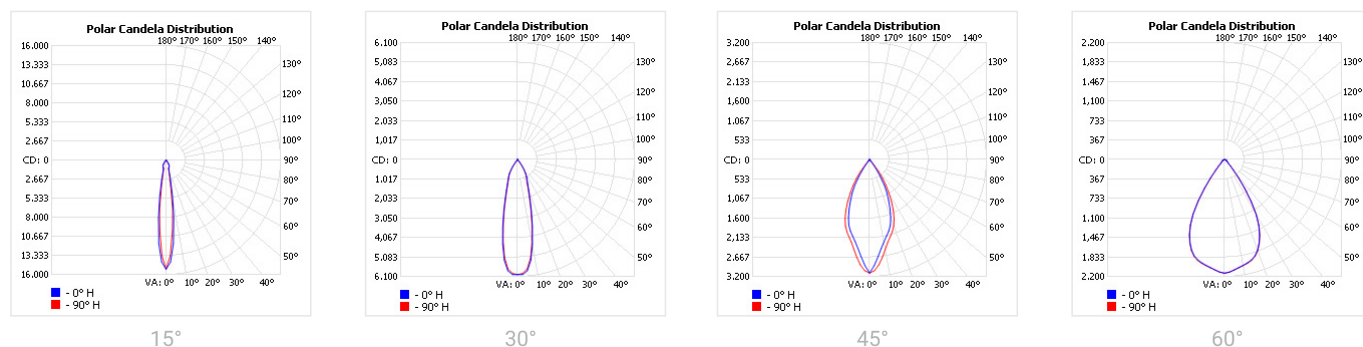
**SPECIFICATIONS**

Power consumption	26W
Dimensions	D106 x H256 ± 1mm
Weight	1.7 Kg
Housing materials	Aluminium, Glass
IK code	IK02
THD (at 230V, 50Hz, Full load)	<8%
Protection class	Safety class 1
Operating temperature [°C]	+10°C ... +45°C / +50F ... +113F
Operating humidity [%]	10 ÷ 85
Power factor	≥0.55
AC Input [Vac]	220 - 240 VAC
Lens angle [°]	15°, 30°, 45°, 60°
Lifespan [h]	50,000
Housing color	○ RAL 9003 - Signal White, ● RAL 9005 - Jet Black, ● RAL 9006 - White Aluminium
Lumen maintenance	L90/B10@50,000h at 25°C
IP factor	IP20
Control option	DALI
Warranty [years]	5
Storage temperature range [°C]	-20°C ... +80°C / -4F ... +176F
Emergency option	-

Light application	Standard
CRI	CRI 90
CCT [K]	PI
MacAdam	4

CRI - Color rendering, CCT - Color temperature, MacAdam - Color consistency

**LIGHT DISTRIBUTION**



**TOLERANCES****Luminous flux tolerances:** -/+ 5%**Consumption tolerance:** -/+ 5% for TEC | -/+ 10% for TEC & KIT EM | -/+ 10% for DALI | -/+ 15% for DALI & KIT EM**BATTERY WARRANTY****TEC EM & DALI EM:** 12 months warranty**TEC & DALI:** -**MAXIMUM NO. OF LUMINAIRES ON A CIRCUIT**

Power	Driver type	Control type	Circuit Breaker Type						
			Amperage	B			C		
				20	16	10	20	16	10
12-14W	SR	TEC		62	50	31	104	85	52
17-20W	SR	TEC		62	50	31	104	85	52
23-27W	SR	TEC		24	20	10	47	40	20
29-35W	SR	TEC		24	20	10	47	40	20
42W	SR	TEC		20	16	8	38	32	16
12-14W	SR	DALI		62	50	31	104	85	52
23-27W	SR	DALI		25	21	13	50	42	26
34-42W	SR	DALI		17	14	9	34	28	18

**RISK GROUP****Standard (CRI80)** RG1**FOOD (BVF, FBS, FSM)** RG1**FOOD <20W (FZM, FSH)** RG2 (dthr=1.8m)**FOOD >20W (FZM, FSH)** RG2 (dthr=2.2m)**FAS** RG1**AMB2200** RG1**ART** RG1**AGI** RG1**CRI95** RG1**SUNSET** RG1**RG1**

The evaluation of photobiological safety is carried out according to the standard IEC 62471:2008 ("Photobiological safety of lamps and lamp systems"). Following the definition of the risk grouping system of the mentioned IEC standard, the LEDs mounted on this family fall into the class "Low Risk (RG1 – No photobiological hazard under normal behavioral limitations)". Under real circumstances (regarding exposure time, pupils, observation distance), it is assumed that there is no endangerment to the eye from these devices. As a matter of principle, however, it should be mentioned that intense light sources have a high secondary exposure potential due to their blinding effect.

**RG2**

The evaluation of photobiological safety is carried out according to the standard IEC 62471:2008 ("Photobiological safety of lamps and lamp systems"). Following the definition of the risk grouping system of the mentioned IEC standard, the LEDs mounted on this family fall into the class "Moderate Risk (RG2)". Under real circumstances (regarding exposure time, pupils, observation distance), it is assumed that there is no endangerment to the eye from these devices. As a matter of principle, however, it should be mentioned that intense light sources have a high secondary exposure potential due to their blinding effect.

## SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
<b>CRI 80</b>						
244292 Halo C31050X/PI/26W/90/A15	D106 x H256 ± 1mm	PI	1400	26W	54	15°
244293 Halo C31050X/PI/26W/90/A30	D106 x H256 ± 1mm	PI	1400	26W	54	30°
244294 Halo C31050X/PI/26W/90/A45	D106 x H256 ± 1mm	PI	1400	26W	54	45°
244295 Halo C31050X/PI/26W/90/A60	D106 x H256 ± 1mm	PI	1400	26W	54	60°