

CARIDILUX
industrial light

Portable LED Luminaire

VARIO 60/80

VARIO 240/420

This is your light. 



VARIO 60/80



220 - 240 Vac / 50Hz	Options: 12, 24 or 36 Vdc	Operating temperature -30 - 50 °C	
	IP 65	SKI	CE

Characteristics / Luminaire Type	VARIO 60/80
Your requirement	<div> <div> <div> <div></div> <div>°</div> </div> <div> <div></div> <div>50°</div> </div> <div> <div></div> <div>⌚</div> </div> </div> <div> <div> <div></div> <div>€</div> </div> <div> <div></div> <div>❄️</div> </div> </div> </div>
LED maintenance factor 100,000 Hrs (Projected value)	L70B20C10
LED maintenance factor 60,000 Hrs (Calculated value)	L75B15C5
LED maintenance factor 100,000 Hrs (Measured/calculated value)	L80B10C3
Ambient Temperature (°C max.)	50
Modular construction	yes
Heat sink contamination cowl	no
Twin rowed LED module to avoid hot spots	yes
Thermally de-coupled LED module	yes
Driver module heated by LED module convection	no
Large area, glare free emission	yes
Individual lense or reflector per LED source	yes
CRI 70+ / optional CRI80+	yes / yes
Express mounting technology	
LED module and PSU exchangeable	yes
Option: DALI Y	
Ingress protection (IP)	65
Maximum operating height (m)	
Option: Emergency Lighting	
Option: Makrolon cover as per IFS for food processing	yes
Certifications	CE

Description

The CANDILUX VARIO 60/80 is a portable, standalone, luminaire with separately tiltable emission heads is designed for rapid utilisation even under the hardest conditions. LED's as luminants ensure full, clear crisp illumination on demand whilst using less battery power than older conventional sources.

Both the tripod mounted version with is collapsable legs, as well as the standard fixture are capable of being mounted on third party supports. The integrated cable drum allows the attached cable to be dispensed and retracted horizontally which brings the effective time to operation down to seconds. The use of the most efficient LED's available ensures that the fitting surface temperature during use in a 20°C ambient does not exceed 40°C. The use of solid state light sources makes the VARIO impervious to both vibration and low temperatures: A trait or true industrial quality. Both VARIO 60 as well as the higher powered VARIO 80 are available in both mains or battery powered versions. The battery powered versions boasts a full five hours of illumination per charge. The mains powered versions run from off nominal 230 Vac supplies and therefore suitable also for the use with mobile generators etc.

Thermal management

The portable VARIO 240 LED luminaires are perfectly cooled for life. The individual elements are all thermally de-coupled so that a lumen flux reduction due to parasitic heat exchange is eradicated. The thermaldynamic principal ensures each individual LED is optimally cooled.

Industrial quality

VARIO 60/80 luminaires can be used in ambient temperatures up to 50°C. The modular construction enables the exchange of the key sub-assemblies should the need arise. The VARIO 60/80 retains an ingress protection (IP) rating of 65.

Advantages

- Impervious to vibration and therefore predestined for use in industrial or civil defence arenas.
- Low cross-sectional area and therefore suitable for operation in windy conditions.
- Independently tilt-able emission heads allow for simultaneous direct and indirect illumination.
- Immediate start as soon as power is applied. No warm up or cool down phase.
- Lower ambient temperatures increase the generated flux: A bonus during the colder, darker winter periods.
- The luminaire does not generate an excessive surface or radiated temperature and can therefore remain in situ for the duration of its operational duty cycle.
- The light sources high colour rendering capabilities ease both recognition and perception of the same.

Construction

Characteristics

- In areas where the fitting can be subjected to (inadvertent) impact or dislodgement without such actions provoking a malfunction.
- In areas where the high efficiency of the product make optimal use of the limited power sources available such as; emergency batteries, mobile generators, vehicular auxilliary power.
- Enhanced illumination and energy efficiency via focussed illumination, leading to lower running costs.
- The luminaire provides the possibility to select different intensity levels.

Usage

- Industry
- Fire Brigade
- Police
- Military
- Civil Service
- Emergency reaction Units

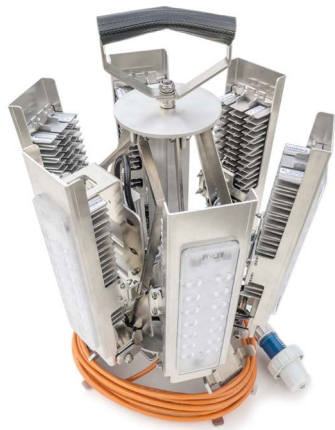
Accessories

- Tripod
- Energy pack for standalone usage
- 5Hr. Battery Pack
- Automotive charge adapter and charger for Power-Pack



	VARIO 60/12VDC	VARIO 60/230VAC	VARIO 80/12VDC	VARIO 80/230VAC
Voltage (V)	12 VDC	230 VAC	12 VDC	230 VAC
System power (W)	60 W	60 W	80 W	80 W
Beam angle (FWHM)	50° (24°, 120°)	50° (24°, 120°)	50° (24°, 120°)	50° (24°, 120°)
Luminous flux (lm)	2 x 3100 lm	2 x 3100 lm	2 x 4000 lm	2 x 4000 lm

VARIO 240/420



220 - 240 Vac / 50Hz	Options: 12, 24 or 36 Vdc	Operating temperature -30 - 50 °C	
	IP 65	SKI	CE

Characteristics / Luminaire Type	VARIO 240/420
Your requirement	<div> <div> <div> <div></div> <div>°</div> </div> <div> <div></div> <div>50°</div> </div> <div> <div></div> <div>⌚</div> </div> </div> <div> <div> <div></div> <div>€</div> </div> <div> <div></div> <div>❄️</div> </div> </div> </div>
LED maintenance factor 100,000 Hrs (Projected value)	L70B20C10
LED maintenance factor 60,000 Hrs (Calculated value)	L75B15C5
LED maintenance factor 100,000 Hrs (Measured/calculated value)	L80B10C3
Ambient Temperature (°C max.)	50
Modular construction	yes
Heat sink contamination cowl	no
Twin rowed LED module to avoid hot spots	yes
Thermally de-coupled LED module	yes
Driver module heated by LED module convection	no
Large area, glare free emission	yes
Individual lense or reflector per LED source	yes
CRI 70+ / optional CRI80+	yes / yes
Express mounting technology	
LED module and PSU exchangeable	yes
Option: DALI Y	
Ingress protection (IP)	65
Maximum operating height (m)	
Option: Emergency Lighting	
Option: Makrolon cover as per IFS for food processing	yes
Certifications	CE

Description

The CANDILUX VARIO 240 is a portable, standalone, luminaire with separately tiltable emission heads is designed for rapid utilisation even under the hardest conditions. LED's as luminants ensure full, clear crisp illumination on demand whilst using less battery power than older conventional sources.

Both the tripod mounted version with is collapsable legs, as well as the standard fixture are capable of being mounted on third party supports. The integrated cable drum allows the attached cable to be dispensed and retracted horizontally which brings the effective time to operation down to seconds. The use of the most efficient LED's available ensures that the fitting surface temperature during use in a 20°C ambient does not exceed 40°C. The use of solid state light sources makes the VARIO impervious to both vibration and low temperatures: A trait for true industrial quality. Both VARIO 240 as well as the higher powered VARIO 80 are available in both mains or battery powered versions. The battery powered versions boasts a full five hours of illumination per charge. The mains powered versions run from off nominal 230Vac supplies and therefore suitable also for the use with mobile generators etc.

Thermal management

The portable VARIO 240 LED luminaires are perfectly cooled for life. The individual elements are all thermally de-coupled so that a lumen flux reduction due to parasitic heat exchange is eradicated. The thermaldynamic principal ensures each individual LED is optimally cooled.

Industrial quality

VARIO 240 luminaires can be used in ambient temperatures up to 50°C. The modular construction enables the exchange of the key sub-assemblies should the need arise. The VARIO 240 retains an ingress protection (IP) rating of 65.

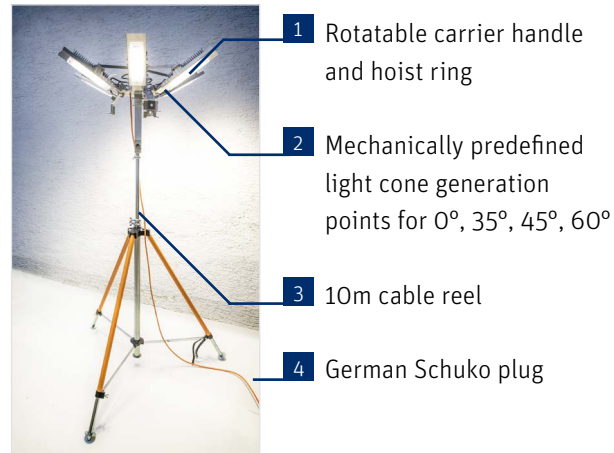
Advantages

- Impervious to vibration and therefore predestined for use in industrial or civil defence arenas.
- Low cross-sectional area and therefore suitable for operation in windy conditions.
- Independently tiltable emission heads allow for simultaneous direct and indirect illumination.
- Good uniformity and illumination levels centrally as well and at the perimeter of the working areas due to the predefined optical system.
- Immediate start as soon as power is applied. No warm up or cool down phase.
- Lower ambient temperatures increase the generated flux: A bonus during the colder, darker winter periods.
- The luminaire does not generate an excessive surface or radiated temperature and can therefore remain in situ for the duration of its operational duty cycle.
- The light sources high colour rendering capabilities ease both recognition and perception of the same.

Construction

Characteristics

- In areas where the fitting can be subjected to (inadvertant) impact or dislodgement without such actions provoking a malfunction.
- In areas where the high efficiency of the product make optimal use of the limited power sources available such as; emergency batteries, mobile generators, vehicular auxiliary power.
- Enhanced illumination and energy efficiency via focussed illumination, leading to lower running costs.
- The luminaire provides the possibility to select different intensity levels.



Usage

- Industry
- Fire Brigade
- Police
- Military
- Civil Service
- Emergency reaction Units

Accessories

- Tripod
- Energy pack for standalone usage



Technical Data: VARIO Sheet 1/2	VARIO 60/12VDC	VARIO 60/230VAC	VARIO 80/12VDC	VARIO 80/230VAC	VARIO 240	VARIO 420
Beam spread (Beam angle) 24°						
Beam spread (Beam angle) 50°	x	x	x	x	x	x
Beam spread (Beam angle) 64°						
Beam spread (Beam angle) 82°						
Beam spread (Beam angle) 120° - SG/KG (Matt/Clear)						
Beam spread (Beam angle) 21° x 96°						
Colour rendering index:						
Rated luminous flux [lm] *	6600	6600	9400	9400	28200	39600
Luminaire efficacy [lm/W]	122	105	122	101	109	97
Rated luminous flux [lm] *						
Luminaire efficacy [lm/W]						
Correlated Colour Temperature [K]	5000	5000	5000	5000	5000	5000
Rated ambient temperature [°C]	60	60	60	60	60	60
Lumen maintenance factor LxByCz @ 50,000 Hrs.	L80B10C3	L80B10C3	L80B10C3	L80B10C3	L80B10C3	L80B10C3
Impact resistance (IK)	08	08	08	08	08	08
Ingress protection (IP)	65	65	65	65	65	65
Insulation class		I	I	I	I	I
Nominal rated input power [W]	54	63	86	93	258	420
Nominal rated voltage 230V, 50/60 Hz		x		x	x	x
Total harmonic distortion factor < 20%		x		x	x	x
Power factor > 0,9		x		x	x	x

* Hot lumens measured at 25°C ambient under stabilised operating conditions (hot lumens). These also depend strongly upon the degree of surface contamination to lenses, cowlings and heat sinks.

Technical Data: VARIO Sheet 2/2	VARIO 60/12VDC	VARIO 60/230VAC	VARIO 80/12VDC	VARIO 80/230VAC	VARIO 240	VARIO 420
Inrush current [A]		75		75	75	75
Over voltage protection 4 kV		x		x	x	x
Weight [kg]	6	7	6	7	15	15
Dimensions (length x breadth x height) [cm]	30 x 20 x 50	30 x 20 x 50	30 x 20 x 50	30 x 20 x 50	40 x 40 x 50	40 x 40 x 50
Housing material and colour: Aluminium	x	x	x	x	x	x
Certificates	x	x	x	x	x	x
Optional accessories:						
Large tripod 5.0m	x	x	x	x	x	x
Small tripod 2.5m	x	x	x	x	x	x
Aluminium transport case with reinforced corners	x	x	x	x	x	x



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