Made in Italy



Litus 1.6, code: LT160115DNV-1

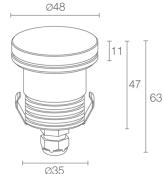
Recessed for outdoor applications











#### **DESCRIPTION**

recessed for outdoor applications; drive-over up to 1000 kg; walkover; recessed (ceiling, wall, floor); Power consumption: 3,5W; Power supply: 24Vdc; Lumen output at source: 196 lm (3000K, 3.5W, CRI >90); Delivered lumen output: 165 lm (3000K, 22°, 3.5W, CRI >90); 1 power LED, 1/4 ANSI BIN, 50 000h L90 B10 (Ta 25°C); LED colour: 3000K; Optics: diffuse: optical system consisting of 4-mm-thick tempered extra-clear glass seal with an RAL 7015 signal white serigraphed border, resistant to knocks and scratches and high transmittance to eliminate chromatic alteration; CRI Colour Rendering Index: >90; Body material: body made of ANTICORODAL 6082 aluminium alloy, made entirely on a CNC lathe and then electrocoloured black; Screen material: screen in tempered, serigraphed-grey and transparent extra-clear glass; power supply unit not included; includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm; Ingress protection: IP67; Impact resistance: IK08; version with screen in serigraphed-white glass available on request; Casambi control using the Casambi app with dedicated electronics; Protection systems: IPS (Intelligent Protection System) protects lighting fixtures from water infiltrations, which can occur if there are faulty junctions between the cables in outdoor or underwater applications. This innovation, patented by L&L, also guarantees electrical protection against polarity reversal, hot plugging, ESD and power surges, which can occur if there are faults in the electrical circuit; Operating temperature: -20°C - +45°C; Maximum device temperature: 40°C (Ta 25°C); Glow wire test: 960°C; Photobiological safety: photobiological safety: risk group 1 according to EN 62471:2006; Appliance class: class III; Weight: 200 g; Dimensions: Ø48x63 mm; Volume of thermal heatsink: Ø120x110 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: WC4010 Outer casing, WE0600S Anti-glare screen, half transparent and half serigraphed black, WL0100 Suction cup; tested and approved via E.O.L. (End Of Line) test with functioning test and check of electrical power consumption

Status: Available

# DATASHEET TECHNICAL DATA



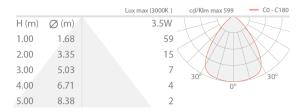
Power supply	Power consumption	3,5W
Power supply unit power supply unit not included  LIGHTING CHARACTERISTICS  Number and type of LED  1 power LED  3000K  CRII Colour 3000K  CRII Colour Rendering Index  >90  Binning 1/4 ANSI BIN  Optics diffuse  Lumen output at source 196 Im (3000K, 3.5W, CRI >90)  Delivered lumen output 165 Im (3000K, 22°, 3.5W, CRI >90)  MECHANICAL CHARACTERISTICS  Dimensions 048x8 mm  Weight 200 g  Mounting with outer casing  Body material body in black-anodized anticorodal aluminium  Screen material screen in serigraphed-grey and transparent, tempered extra-clear glass volume of thermal heatsink 0120x110 mm  GENERAL CHARACTERISTICS  Ingress protection IP67  Impact resistance IK08  Energy efficiency class F (light source) in accordance with EU 2019/2015  Glow wire test 960°C  Maximum device temperature 40°C (Ta 25°C)  Appliance class  Class III  Walkover yes  Protection systems IPS (Intelligent Protection System)  Prototobiological safety wersion with screen in serigraphed-writet glass available on request; version with screen in serigraphed-writet glass available on request; version with screen in serigraphed-writet glass available on request; version with screen in serigraphed-writet glass available on request; version with screen in serigraphed-writet glass available on request; version with screen in serigraphed-writet glass available on request; version with screen in serigraphed-writet glass available on request; version with screen in serigraphed-writet glass available on request;	<u>'</u>	<u>'</u>
LIGHTING CHARACTERISTICS  Number and type of LED  Average LED life  50 000h L90 B10 (Ta 25°C)  LED colour  3000K  CRI Colour Rendering Index  >90  Binning  1/4 ANSI BIN  Optics  diffuse  Lumen output at source  196 Im (3000K, 3.5W, CRI >90)  Delivered lumen output  165 Im (3000K, 22°, 3.5W, CRI >90)  MECHANICAL CHARACTERISTICS  Dimensions  Ø48x63 mm  Weight  200 g  Mounting  with outer casing  Body material  body in black-anodized anticorodal aluminium  Screen material  screen in serigraphed-grey and transparent, tempered extra-clear glass  Volume of thermal heatsink  Ø120x110 mm  GENERAL CHARACTERISTICS  Ingress protection  IP67  Operating temperature  1808  Glow wire test  1960°C  Maximum device temperature  40°C (Ta 25°C)  Appliance class  IRI  Walkover  yes  Drive-over  up to 1000 kg  Protection systems  IPS (Intelligent Protection System)  Prototolological safety  Photobiological safety: risk group 1 according to EN 62471:2006  Notes		
Number and type of LED         1 power LED           Average LED life         50 000h L90 B10 (Ta 25°C)           LED colour         3000K           CRI Colour Rendering Index         >90           Binning         1/4 ANSI BIN           Optics         diffuse           Lumen output at source         196 Im (3000K, 3.5W, CRI >90)           Delivered lumen output         165 Im (3000K, 22°, 3.5W, CRI >90)           MECHANICAL CHARACTERISTICS           Dimensions         Ø48x63 mm           Weight         200 g           Mounting         with outer casing           Body material         body in black-anodized anticorodal aluminium           Screen material         screen in serigraphed-grey and transparent, tempered extra-clear glass           Volume of thermal heatsink         0120x110 mm           GENERAL CHARACTERISTICS         Ingress protection           Ingress protection         IP67           Operating temperature         -20°C - +45°C           Impact resistance         IK08           Energy efficiency class         F (light source) in accordance with EU 2019/2015           Glow wire test         96°C           Maximum device temperature         40°C (Ta 25°C)           Appliance class         class III <td>LIGHTING CHARACTERISTICS</td> <td></td>	LIGHTING CHARACTERISTICS	
Average LED life         50 000h L90 B10 (Ta 25°C)           LED colour         3000K           CRI Colour Rendering Index         >90           Binning         1/4 ANSI BIN           Optics         diffuse           Lumen output at source         196 Im (3000K, 3.5W, CRI >90)           Delivered lumen output         165 Im (3000K, 22°, 3.5W, CRI >90)           MECHANICAL CHARACTERISTICS         WEIGHANICAL CHARACTERISTICS           Dimensions         048x63 mm           Weight         200 g           Mounting         with outer casing           Body material         body in black-anodized anticorodal aluminium           Screen material         screen in serigraphed-grey and transparent, tempered extra-clear glass           Volume of thermal heatsink         0120x110 mm           GENERAL CHARACTERISTICS         Ingress protection           Ingress protection         IP67           Operating temperature         120°C - +45°C           Impact resistance         IK08           Energy efficiency class         F (light source) in accordance with EU 2019/2015           Glow wire test         960°C           Maximum device temperature         40°C (Ta 25°C)           Appliance class         class III           Walkov		1 power LED
LED colour         3000K           CRI Colour Rendering Index         >90           Binning         1/4 ANSI BIN           Optics         diffuse           Lumen output at source         196 Im (3000K, 3.5W, CRI > 90)           Delivered lumen output         165 Im (3000K, 22°, 3.5W, CRI > 90)           MECHANICAL CHARACTERISTICS           Dimensions         Ø48x63 mm           Weight         200 g           Mounting         with outer casing           Body material         body in black-anodized anticorodal aluminium           Screen material         screen in serigraphed-grey and transparent, tempered extra-clear glass           Volume of thermal heatsink         Ø120x110 mm           GENERAL CHARACTERISTICS           Ingress protection         IP67           Operating temperature         -20°C - +45°C           Impact resistance         IK08           Energy efficiency class         F (light source) in accordance with EU 2019/2015           Glow wire test         960°C           Maximum device temperature         40°C (Ta 25°C)           Appliance class         class III           Walkover         yes           Drive-over         up to 1000 kg           Power cables         include		·
Binning 1/4 ANSI BIN Optics diffuse  Lumen output at source 196 Im (3000K, 3.5W, CRI >90)  Delivered lumen output 165 Im (3000K, 22°, 3.5W, CRI >90)  MECHANICAL CHARACTERISTICS  Dimensions Ø48x63 mm  Weight 200 g  Mounting with outer casing  Body material body in black-anodized anticorodal aluminium  Screen material screen in serigraphed-grey and transparent, tempered extra-clear glass Volume of thermal heatsink Ø120x110 mm  GENERAL CHARACTERISTICS  Ingress protection IP67  Operating temperature -20°C - +45°C  Impact resistance IK08  Energy efficiency class F (light source) in accordance with EU 2019/2015  Glow wire test 960°C  Maximum device temperature 40°C (Ta 25°C)  Appliance class class III  Walkover yes  Diverover up to 1000 kg  Power cables includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm  Protection systems IPS (Intelligent Protection System)  Photobiological safety photobiological safety: risk group 1 according to EN 62471:2006  Notes version with screen in serigraphed-white glass available on request;	<del>-</del>	
Optics diffuse  Lumen output at source 196 Im (3000K, 3.5W, CRI >90)  Delivered lumen output 165 Im (3000K, 22°, 3.5W, CRI >90)  MECHANICAL CHARACTERISTICS  Dimensions Ø48x63 mm  Weight 200 g  Mounting with outer casing  Body material body in black-anodized anticorodal aluminium  Screen material screen in serigraphed-grey and transparent, tempered extra-clear glass  Volume of thermal heatsink Ø120x110 mm  GENERAL CHARACTERISTICS  Ingress protection IP67  Operating temperature -20°C - +45°C  Impact resistance IK08  Energy efficiency class F (light source) in accordance with EU 2019/2015  Glow wire test 960°C  Maximum device temperature 40°C (Ta 25°C)  Appliance class class III  Walkover yes  Drive-over up to 1000 kg  Power cables includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm  Protection systems IPS (Intelligent Protection System)  Photobiological safety  Photobiological safety risk group 1 according to EN 62471:2006  Notes version with screen in serigraphed-white glass available on request;	CRI Colour Rendering Index	>90
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Delivered lumen output  MECHANICAL CHARACTERISTICS  Dimensions  Ø48x63 mm  Weight  200 g  Mounting  Body material  Screen material  Screen material  Screen in serigraphed-grey and transparent, tempered extra-clear glass  Volume of thermal heatsink  Ø120x110 mm  GENERAL CHARACTERISTICS  Ingress protection  IP67  Operating temperature  -20°C - +45°C  Impact resistance  IK08  Energy efficiency class  F (light source) in accordance with EU 2019/2015  Glow wire test  960°C  Maximum device temperature  40°C (Ta 25°C)  Appliance class  class III  Walkover  yes  Drive-over  up to 1000 kg  Power cables  Finctledigent Protection System)  Photobiological safety  Photobiological safety  photobiological safety risk group 1 according to EN 62471:2006  Notes	Optics	diffuse
MECHANICAL CHARACTERISTICS         Dimensions       Ø48x63 mm         Weight       200 g         Mounting       with outer casing         Body material       body in black-anodized anticorodal aluminium         Screen material       screen in serigraphed-grey and transparent, tempered extra-clear glass         Volume of thermal heatsink       Ø120x110 mm         GENERAL CHARACTERISTICS       IP67         Ingress protection       IP67         Operating temperature       -20°C - +45°C         Impact resistance       IK08         Energy efficiency class       F (light source) in accordance with EU 2019/2015         Glow wire test       960°C         Maximum device temperature       40°C (Ta 25°C)         Appliance class       class III         Walkover       yes         Drive-over       up to 1000 kg         Power cables       includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm         Protection systems       IPS (Intelligent Protection System)         Photobiological safety       photobiological safety: risk group 1 according to EN 62471:2006         Notes       version with screen in serigraphed-white glass available on request;	Lumen output at source	196 lm (3000K, 3.5W, CRI >90)
Dimensions  O48x63 mm  Weight  200 g  Wounting  with outer casing  Body material  body in black-anodized anticorodal aluminium  Screen material  Screen in serigraphed-grey and transparent, tempered extra-clear glass  Volume of thermal heatsink  GENERAL CHARACTERISTICS  Ingress protection  IP67  Operating temperature  -20°C - +45°C  Impact resistance  IK08  Energy efficiency class  F (light source) in accordance with EU 2019/2015  Glow wire test  960°C  Maximum device temperature  40°C (Ta 25°C)  Appliance class  class III  Walkover  yes  Drive-over  up to 1000 kg  Power cables  includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm  Protection systems  IPS (Intelligent Protection System)  Photobiological safety  photobiological safety: risk group 1 according to EN 62471:2006  Notes	Delivered lumen output	165 lm (3000K, 22°, 3.5W, CRI >90)
Weight 200 g  Mounting with outer casing  Body material body in black-anodized anticorodal aluminium  Screen material screen in serigraphed-grey and transparent, tempered extra-clear glass volume of thermal heatsink 0120x110 mm  GENERAL CHARACTERISTICS  Ingress protection IP67  Operating temperature -20°C - +45°C  Impact resistance IK08  Energy efficiency class F (light source) in accordance with EU 2019/2015  Glow wire test 960°C  Maximum device temperature 40°C (Ta 25°C)  Appliance class class III  Walkover yes  Drive-over up to 1000 kg  Power cables includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm  Protection systems IPS (Intelligent Protection System)  Photobiological safety photobiological safety: risk group 1 according to EN 62471:2006  Notes version with screen in serigraphed-white glass available on request;	MECHANICAL CHARACTERISTICS	
Mounting with outer casing  Body material body in black-anodized anticorodal aluminium  Screen material screen in serigraphed-grey and transparent, tempered extra-clear glass  Volume of thermal heatsink Ø120x110 mm  GENERAL CHARACTERISTICS  Ingress protection IP67  Operating temperature -20°C - +45°C  Impact resistance IK08  Energy efficiency class F (light source) in accordance with EU 2019/2015  Glow wire test 960°C  Maximum device temperature 40°C (Ta 25°C)  Appliance class class III  Walkover yes  Drive-over up to 1000 kg  Power cables includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm  Protection systems IPS (Intelligent Protection System)  Photobiological safety  Notes version with screen in serigraphed-white glass available on request;	Dimensions	Ø48x63 mm
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Volume of thermal heatsink  GENERAL CHARACTERISTICS  Ingress protection  IP67  Operating temperature  -20°C - +45°C  Impact resistance  IK08  Energy efficiency class  F (light source) in accordance with EU 2019/2015  Glow wire test  960°C  Maximum device temperature  40°C (Ta 25°C)  Appliance class  class III  Walkover  yes  Drive-over  up to 1000 kg  Power cables  includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm  Protection systems  PNotobiological safety  Notes  Notes	Body material	body in black-anodized anticorodal aluminium
Ingress protection IP67  Operating temperature -20°C − +45°C  Impact resistance IK08  Energy efficiency class F (light source) in accordance with EU 2019/2015  Glow wire test 960°C  Maximum device temperature 40°C (Ta 25°C)  Appliance class III  Walkover yes  Drive-over up to 1000 kg  Power cables  Protection systems IPS (Intelligent Protection System)  Photobiological safety  Notes  Notes	Screen material	screen in serigraphed-grey and transparent, tempered extra-clear glass
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Operating temperature -20°C - +45°C  Impact resistance IK08  Energy efficiency class F (light source) in accordance with EU 2019/2015  Glow wire test 960°C  Maximum device temperature 40°C (Ta 25°C)  Appliance class class III  Walkover yes  Drive-over up to 1000 kg  Power cables includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm  Protection systems IPS (Intelligent Protection System)  Photobiological safety photobiological safety: risk group 1 according to EN 62471:2006  Notes version with screen in serigraphed-white glass available on request;	GENERAL CHARACTERISTICS	
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Glow wire test 960°C  Maximum device temperature 40°C (Ta 25°C)  Appliance class III  Walkover yes  Drive-over up to 1000 kg  Power cables includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm  Protection systems IPS (Intelligent Protection System)  Photobiological safety photobiological safety: risk group 1 according to EN 62471:2006  Notes version with screen in serigraphed-white glass available on request;	Impact resistance	IK08
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Appliance class  Class III  Walkover  yes  Drive-over  up to 1000 kg  includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm  Protection systems  IPS (Intelligent Protection System)  Photobiological safety  Notes  version with screen in serigraphed-white glass available on request;	Glow wire test	960°C
Walkover yes  Drive-over up to 1000 kg  Power cables includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm  Protection systems IPS (Intelligent Protection System)  Photobiological safety photobiological safety: risk group 1 according to EN 62471:2006  Notes version with screen in serigraphed-white glass available on request;	Maximum device temperature	40°C (Ta 25°C)
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Power cables includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm  Protection systems IPS (Intelligent Protection System)  Photobiological safety photobiological safety: risk group 1 according to EN 62471:2006  Notes version with screen in serigraphed-white glass available on request;	Walkover	yes
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	Photobiological safety	photobiological safety: risk group 1 according to EN 62471:2006
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## PHOTOMETRIC DATA AND ACCESSORIES



## PHOTOMETRIC DATA

# D - Diffuse CRI 80



# **ACCESSORIES**

# Installation Accessories



WC4010 Outer casing

# **Optical Accessories**



#### WE0600S

Anti-glare screen, half transparent and half serigraphed black built into the lighting fixture Can be fitted on all optics except for 48° optics Order together with the lighting fixture

## Other



# WL0100 Suction cup Recommended accessory

# DATASHEET LITUS 1.6, CODE: LT160115DNV-1

## PHOTOMETRIC DATA AND ACCESSORIES





Installation flush with ground

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