ENGINEERED
LED Lighting Solutions

RUUD

About us and our focus

Founded in 2003 in Dubai to service the lighting industry in MENA Region. We are a dedicated group of Lighting professionals with vast experience in the industry and are pioneers in the use of LED sources for outdoor infrastructure applications.

With over 200,000 LED outdoor lighting units supplied including the oldest infrastructure installations in the Middle East region with LED, RUUD Lighting Arabia has demonstrated Leadership and Proven Performance in LED based illumination in the challenging regional environment.

A new range of RUUD Lighting LED Products for Indoor and Outdoor applications has been developed and launched in 2020. With class leading efficacy, efficient optics and superior thermal management, these products epitomize the RUUD principle of quality and performance while providing excellent value for money.

Engineered Lighting Solutions

Ruud Lighting Arabia offers design based lighting solutions to cater to requirements of specific luminaire applications. Engineered to offer the most efficient optical configurations , appropriate Color Temperatures and comfortable illumination for users of a space, our solutions always enable reduction in capital and operational costs, while ensuring compliance to prevalent lighting codes and environmental standards.

Our commitment to a project is to provide energy efficiency, timely execution and quality product to the complete satisfaction to our clients. Our after sales support and services has been recognized and appreciated by the customers we serve.

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FLOOD & AREA

High Performance With Low Energy Consumption

VANQUISHER SERIES

LED Floodlight

Performance Summary

- Lumen output: 57,600 – 159,500lm
- Efficacy: Up to 145lm/W
- Ra: >70 (Ra>80 & Ra>90 Optional
- CCT: 4000K – 5000K
- Colour consistency: SDCM<6
- Operating temperature: -30°C - +45°C
- Ingress protection: IP66
- Impact Resistance: IK08
- Dimming option: 1-10V & DALI
- Lifetime: >50,000 Hrs.

- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- Tempered safety glass diffuser option.
- Multiple mounting options to fit different structures. Detachable driver compartment for remote mount option.
- Quick & easy installation.
- Colour: Matte Grey as standard finish

General Information

Model	Series	Optic	Diffuser	Wattage	CCT & Ra	Voltage	Controls
VNQ4	A	9D 9° Beam 15D 15° Beam	N Without Diffuser	550W 1100W		100-277Vac 50/60Hz 220-240Vac 50/60Hz	1-10V Dimming DALI Dimming
		30D 30° Beam	TG Tempered Glass	480W 960W			
			N Without Diffuser	550W 1100W			
			TG Tempered Glass				

Dimensional Details

459mm / 425mm

550W(22Kg) & 480W(23Kg)

844mm / 432mm / 425mm

1100W(36Kg) & 960W(38Kg) Horizontal Combination

493mm / 782mm / 592mm

1100W(36Kg) & 960W(38Kg) Vertical Combination

CONQUEROR SERIES

LED Floodlight

Performance Summary

- Lumen output: 63,000 – 112,000lm
- Efficacy: Up to 140lm/W
- Ra: >70 (Ra>90 Optional)
- CCT: 5000K
- Operating temperature: -30°C - +50°C for driver mounted remotely, 30°C - +45°C for driver fixed to luminaire.
- Ingress protection: IP66
- Impact Resistance: IK08
- Colour consistency: SDCM<5
- Dimming option: 1-10V & DALI
- Lifetime: >50,000 Hrs.

- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- No UV/ flickering, ideal for HD broadcasting
- Mounting: The Conqueror luminaire is complete with two angular lockable scales on the trunnion arm which are used for vertical and horizontal aiming of the fixture on site.

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage	Controls
CQR4	B	9D 9° Symmetrical Beam	600W 800W	4000K Ra>70 5000K Ra>70	100-305Vac 50/60Hz 220-240Vac 50/60Hz	1-10V Dimming DALI Dimming
		15D 15° Symmetrical Beam	450W 600W 800W			
		40D 40° Symmetrical Beam	500W 600W 800W			
		45D 45° Symmetrical Beam	450W			

Dimensional Details

360
486.3
137.9
276
199.1

460
600.8
197
396
207.8

450W - 14.80Kg

500W / 600W - 23.20Kg
800W - 24.70Kg

HML- HIGH MAST SERIES

LED Floodlight

Performance Summary

- Lumen output: 30,130 – 113,760lm
- Efficacy: Up to 170lm/W
- Ra: >70 (Ra >80 & Ra>90 Optional)
- CCT: 3000K – 6500K
- Colour consistency: SDCM<5
- Operating temperature: -40°C - +50°C
- Ingress protection: IP66
- Impact Resistance: IK10
- Dimming option: 1-10V & DALI & 7 pin NEMA Receptacle.
- Lifetime: >50,000 Hrs.

- Warranty: 10 years. Limited warranty, please contact your local agent for detailed T&C.
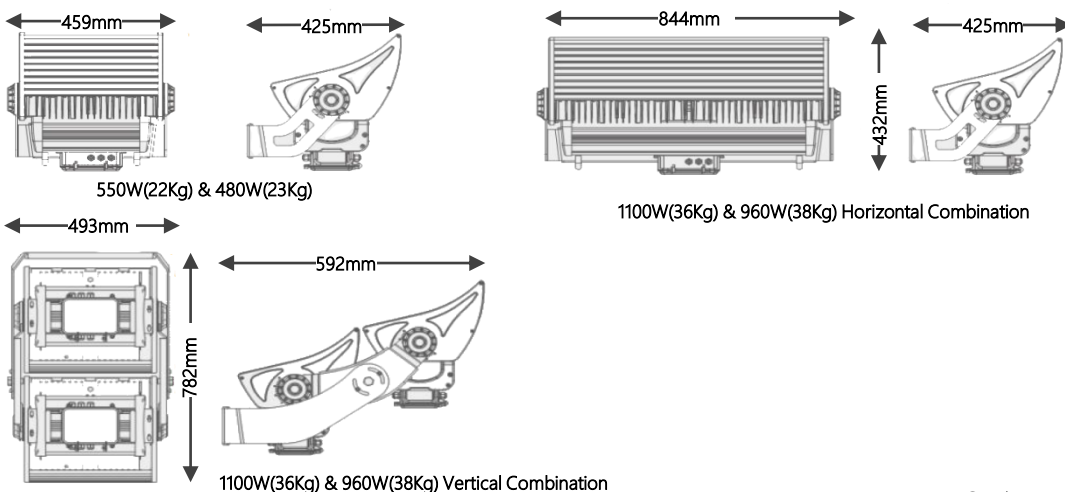- Symmetrical & Asymmetrical light distributions to suit different requirements.
- The HML luminaire is equipped with multiple beam clamp to securely fasten the 60-70mm horizontal tenon to the luminaire.
- Light weight construction for quick & easy installation.
- Colour: Black & Silver Grey

General Information

Model	Series	Lens	Optic	Wattage	CCT & Ra	Voltage	Controls
HML	A	PCS PC Symmetrical Lens	15° 30° 60° Type V Med.	230W 315W 380W 460W 580W 720W	3000K Ra>70 - 6500K Ra>70	100-277Vac 50/60Hz 277-480Vac 50/60Hz	1-10V Dimming DALI Dimming Photocell
		PCD Asymmetrical lens + tempered glass diffuser	Type II Short Type II Med. Type III Med. Type IV Med.				
		TGL Tempered Glass Lens	Type V Short Type V Med.				

Dimensional Details

Power	A	B	C	D	E	F	Weight
			(mm)				(kg)
230W							
315W	664	555	149	224	314	468	18.50
380W							
460W							
580W	705	555	149	218	314	550	20.50 .
720W							

ACE SERIES

LED Sports / Area Luminaire

Performance Summary

- Lumen output: 47,228 – 65,341lm
- Efficacy: Up to 164lm/W
- Ra: >70 (Ra>80 Optional)
- CCT: 3000K - 5000K
- Operating temperature: -40°C - +50°C
- Ingress protection: IP66
- Impact Resistance: IK10
- Colour consistency: SDCM<5
- Dimming option: 1-10V, DALI & NEMA Receptacle

- Lifetime: >50,000 Hrs.
- Warranty: 10 Years. Limited warranty, please contact your local agent for detailed T&C.
- Over voltage, short circuit & over temperature protection.
- 10kV Surge protection as standard, 20kV Optional.
- Lightweight construction and multiple mounting options for quick & easy installation.
- Colour: Black, White, Silver Grey, Bronze, Tennis Court Green

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage	Controls
ACE	A	TCM Sports Optic Tennis T4M Type IV Medium	300W 420W	3000K Ra>70 - 5700K Ra>70	100-277Vac 50/60Hz 347-480Vac 50/60Hz	1-10V Dimming DALI Dimming Photocell

Dimension Details

Power	A	B	C	Weight
300W	585mm	360mm	75mm	10.50kg
420W				

Type | **Mounting***

Type	Mounting*	
A	Slip fit mount suitable for 60mm tenon mount.	
B	Adjustable arm mount for square pole/ flat surface.	
C	Trunnion arm	
D	Slide & Lock Mount, for Square & Round Poles.	
E	Fixed mount for Square pole / flat surface.	
F	Fixed mount for Round Pole.	

* Mounting Options

WATCHMAN SERIES

LED Floodlight
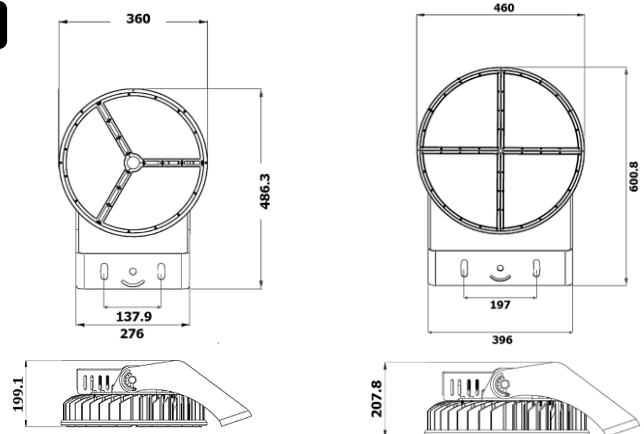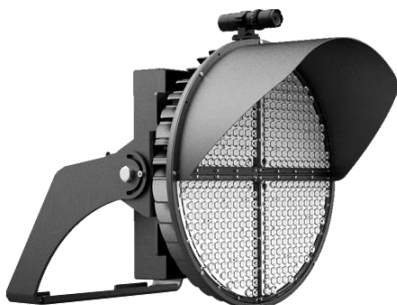
Performance Summary

- Lumen output: 13,000 – 42,000lm
- Efficacy: Up to 140lm/W
- Ra: >70 (Ra>80 Optional)
- CCT: 4000K – 5000K
- Operating temperature: -30°C - +45°C
- Ingress protection: IP66
- Impact Resistance: IK08
- Colour consistency: SDCM<5
- Dimming option: 1-10V, DALI & Microwave sensor

- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- Auto disconnect switch on driver door for safe maintenance.
- Mounting: Multiple mounting options to fit different structures.
- Light weight construction for quick & easy installation.
- Colour: Black & Silver Grey

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage	Controls
WAM	A	A18 Wide Asymmetric 80 x 130° flood	100W	4000K Ra>70	100-277Vac 50/60Hz	1-10V Dimming
			150W	5000K Ra>70		DALI Dimming
		S14 Wide Symmetric 60° flood	200W	4000K Ra>80	220-240Vac 50/60Hz	Microwave Sensor
			250W	5000K Ra>80		
		110 Very Wide Symmetric 110° Flood	300W			
		A19 Medium Asymmetric 40 x 80° Flood	250W 300W			

Dimension Details

Power	L1	L2	L3	L4	W1	W2	H	Weight
				(mm)				
100W 150W	375	383	386	469	256	317	65	4.5 kg.
200W	424	432	435	529	305	369	65	6.7 kg.
250W 300W	506	514	527	611	335	399	79	8.49 kg.

ELITE ROADWAY SERIES

LED Street & Area Lighting

Performance Summary

- Lumen output: 4,200 - 25,000lm
- Efficacy: Up to 140lm/W
- Ra: >70
- CCT: 3000K – 6500K
- Operating temperature: -20°C - +50°C
- Ingress protection: IP66
- Impact Resistance: IK08
- Dimming option: 1-10V, DALI & 7-pin NEMA Receptacle
- Lifetime: >50,000 Hrs.
- Warranty: 7 Years. Limited warranty, please contact your local agent for detailed T&C.

- Future proof design: 7 Pin NEMA Socket[1] with shorting cap.
- Mounting: Direct mount to tenons of OD 42mm, 64mm & 76mm. Tilt angle ±15° in 5° steps.
- Installation: Tool-less entry for easy maintenance & no visible screws on luminaire surface. Fitted with dual spirit level to accurately install the luminaire.
- Quick & easy installation.
- Colour: Silver Grey, White & Black

CE   CB   RoHS   50000h   IP66   +50°C -20°C

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage	Controls
EL18	A	Type II Short	30W	3000K Ra>70	100-240Vac 50/60Hz	Non-Dimmable
		Type II Narrow	60W	-		1-10V Dimming
EL20		Type II Long	90W	6500K Ra>70		DALI Dimming
		Type II Med.	120W			Photocell
EL22		Type III Med.	150W			
EL24		Type IV Med.	180W			
		Type V Short				
		Type V Med.				

Dimension Details

Model	Wattage	Dimension (L*W*H)mm	Weight (Kg)	Lumen Series A	Lumen Series B
EL18	30W	490 x 279 x 101	5.2	4,200	4,800
	60W			8,400	9,600
EL20	90W	548 x 279 x 101	6.0	12,600	14,400
	120W			16,800	19,200
EL22	150W	620 x 289 x 101	6.8	21,100	24,000
EL24	180W			25,000	28,800

ROADWAY

The Ruud Lighting Street Light luminaires are the better choice for street or roadway lighting where high energy and maintenance costs are associated with the use of traditional or conventional luminaires.

HML- HIGH MAST SERIES

LED Floodlight

Performance Summary

- Lumen output: 30,130 – 113,760lm
- Efficacy: Up to 170lm/W
- Ra: >70 (Ra >80 & Ra>90 Optional)
- CCT: 3000K – 6500K
- Colour consistency: SDCM<5
- Operating temperature: -40°C - +50°C
- Ingress protection: IP66
- Impact Resistance: IK10
- Dimming option: 1-10V, DALI & 7 pin NEMA Receptacle.
- Lifetime: >50,000 Hrs.

- Warranty: 10 years. Limited warranty, please contact your local agent for detailed T&C.
- Symmetrical & Asymmetrical light distributions to suit different requirements.
- The HML luminaire is equipped with multiple beam clamp to securely fasten the 60-70mm horizontal tenon to the luminaire.
- Light weight construction for quick & easy installation.
- Colour: Black & Silver Grey

General Information

Model	Series	Lens	Optic	Wattage	CCT & Ra	Voltage	Controls
HML	A	PCS PC Symmetrical Lens	15° 30° 60° Type V Med.	230W 315W 380W 460W 580W 720W	3000K Ra>70 - 6500K Ra>70	100-277Vac 50/60Hz 277-480Vac 50/60Hz	1-10V Dimming DALI Dimming Photocell
		PCD Asymmetrical lens + tempered glass diffuser	Type II Short Type II Med. Type III Med. Type IV Med.				
		TGL Tempered Glass Lens	Type V Short Type V Med.				

Dimensional Details

Power	A	B	C	D	E	F	Weight
				(mm)			(kg)
230W							
315W	664	555	149	224	314	468	18.50
380W							
460W							
580W	705	555	149	218	314	550	20.50 .
720W							

ARC SERIES

LED Street, Area & Tunnel Luminaire

Performance Summary

- Lumen output: 12,876 – 62,641lm
- Efficacy: Up to 170lm/W
- Ra: >70 (Ra>80 Optional)
- CCT: 3000K - 5700K
- Operating temperature: -40°C - +50°C
- Ingress protection: IP66
- Impact Resistance: IK10
- Colour consistency: SDCM<5
- Dimming option: 1-10V, DALI & 7 pin NEMA receptacle.
- Lifetime: >50,000 Hrs.

- Warranty: 10 Years. Limited warranty, please contact your local agent for detailed T&C.
- Corrosion resistant, marine grade die-cast aluminum alloy body and stainless steel fasteners.
- Zero sky lighting.
- Light weight construction and multiple mounting options for quick & easy installation.
- Colour: Black, White, Silver Grey, Bronze, Tennis Court Green

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage	Controls
ARC	A	**Street** Type III Medium Type IV Medium Type V Medium **Area** Asymmetrical Flood for area lighting	75W 115W 145W 180W 200W 230W 300W 420W	3000K Ra>70 - 5700K Ra>70	100-277Vac 50/60Hz 347-480Vac 50/60Hz	1-10V Dimming DALI Dimming Photocell Microwave Sensor

Dimension

Power		A	B	C	Weight
S	75W	420mm	270mm	56mm	5.00kg.
	115W				
	145W				
M	180W	514mm	350mm	56mm	5.50kg.
	200W				
	230W				
L	300W	585mm	360mm	75mm	10.50kg.
	420W				

ELITE ROADWAY SERIES

LED Street & Area Lighting

Performance Summary

- Lumen output: 4,200 - 25,000lm
- Efficacy: Up to 140lm/W
- Ra: >70
- CCT: 3000K – 6500K
- Operating temperature: -20°C - +50°C
- Ingress protection: IP66
- Impact Resistance: IK08
- Dimming option: 1-10V, DALI & 7-pin NEMA Receptacle
- Lifetime: >50,000 Hrs.
- Warranty: 7 Years. Limited warranty, please contact your local agent for detailed T&C.

- Future proof design: 7 Pin NEMA Socket[1] with shorting cap.
- Mounting: Direct mount to tenons of OD 42mm, 64mm & 76mm. Tilt angle ±15° in 5° steps.
- Installation: Tool-less entry for easy maintenance & no visible screws on luminaire surface. Fitted with dual spirit level to accurately install the luminaire.
- Quick & easy installation.
- Colour: Silver Grey, White & Black

CE CB RoHS 50000h IP66 +50°C -20°C

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage	Controls
EL18	A	Type II Short	30W	3000K Ra>70	100-240Vac 50/60Hz	Non-Dimmable
		Type II Narrow	60W	-		1-10V Dimming
EL20		Type II Long	90W	6500K Ra>70		DALI Dimming
		Type II Med.	120W			Photocell
EL22		Type III Med.	150W			
		Type IV Med.	180W			
EL24		Type V Short				
		Type V Med.				

Dimension Details

Model	Wattage	Dimension (L*W*H)mm	Weight (Kg)	Lumen Series A	Lumen Series B
EL18	30W	490 x 279 x 101	5.2	4,200	4,800
	60W			8,400	9,600
EL20	90W	548 x 279 x 101	6.0	12,600	14,400
	120W			16,800	19,200
EL22	150W	620 x 289 x 101	6.8	21,100	24,000
EL24	180W			25,000	28,800

SPORTS LIGHTING

High Efficiency LED Sport Lighting System with Simple
Appearance, Stable Structure and Multiple Light Distribution.

VANQUISHER SERIES

LED Floodlight

Performance Summary

- Lumen output: 57,600 – 159,500lm
- Efficacy: Up to 145lm/W
- Ra: >70 (Ra>80 & Ra>90 Optional
- CCT: 4000K – 5000K
- Colour consistency: SDCM<6
- Operating temperature: -30°C - +45°C
- Ingress protection: IP66
- Impact Resistance: IK08
- Dimming option: 1-10V & DALI
- Lifetime: >50,000 Hrs.

- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- Tempered safety glass diffuser option.
- Multiple mounting options to fit different structures. Detachable driver compartment for remote mount option.
- Quick & easy installation.
- Colour: Matte Grey as standard finish

RoHS SAA CE CB +45°C -30°C IP66

General Information

Model	Series	Optic	Diffuser	Wattage	CCT & Ra	Voltage	Controls
VNQ4	A	9D 9° Beam	N Without Diffuser	550W 1100W		100-277Vac 50/60Hz	1-10V Dimming
		15D 15° Beam				220-240Vac 50/60Hz	DALI Dimming
		30D 30° Beam	TG Tempered Glass	480W 960W			
			N Without Diffuser	550W 1100W			
			TG Tempered Glass				

Dimensional Details

←459mm→   ←425mm→

550W(22Kg) & 480W(23Kg)

←844mm→   ↕432mm   ←425mm→

1100W(36Kg) & 960W(38Kg) Horizontal Combination

←493mm→   ←592mm→   ↕782mm

1100W(36Kg) & 960W(38Kg) Vertical Combination

CONQUEROR SERIES

LED Floodlight

Performance Summary

- Lumen output: 63,000 – 112,000lm
- Efficacy: Up to 140lm/W
- Ra: >70 (Ra>90 Optional)
- CCT: 5000K
- Operating temperature: -30°C - +50°C for driver mounted remotely, 30°C - +45°C for driver fixed to luminaire.
- Ingress protection: IP66
- Impact Resistance: IK08
- Colour consistency: SDCM<5
- Dimming option: 1-10V & DALI
- Lifetime: >50,000 Hrs.

- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- No UV/ flickering, ideal for HD broadcasting
- Mounting: The Conqueror luminaire is complete with two angular lockable scales on the trunnion arm which are used for vertical and horizontal aiming of the fixture on site.

CB | RoHS | CE | -50°C -30°C | IP66

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage	Controls
CQR4	B	9D 9° Symmetrical Beam	600W 800W	4000K Ra>70 5000K Ra>70	100-305Vac 50/60Hz 220-240Vac 50/60Hz	1-10V Dimming DALI Dimming
		15D 15° Symmetrical Beam	450W 600W 800W			
		40D 40° Symmetrical Beam	500W 600W 800W			
		45D 45° Symmetrical Beam	450W			

Dimensional Details

360
486.3
137.9
276
199.1

460
600.8
197
396
207.8

450W - 14.80Kg

500W / 600W - 23.20Kg
800W - 24.70Kg

ACE SERIES

LED Sports / Area Luminaire

Performance Summary

- Lumen output: 47,228 – 65,341lm
- Efficacy: Up to 164lm/W
- Ra: >70 (Ra>80 Optional)
- CCT: 3000K - 5000K
- Operating temperature: -40°C - +50°C
- Ingress protection: IP66
- Impact Resistance: IK10
- Colour consistency: SDCM<5
- Dimming option: 1-10V, DALI & 7-Pin NEMA Receptacle

- Lifetime: >50,000 Hrs.
- Warranty: 10 Years. Limited warranty, please contact your local agent for detailed T&C.
- Over voltage, short circuit & over temperature protection.
- 10kV Surge protection as standard, 20kV Optional.
- Lightweight construction and multiple mounting options for quick & easy installation.
- Colour: Black, White, Silver Grey, Bronze, Tennis Court Green

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage	Controls
ACE	A	TCM Sports Optic Tennis T4M Type IV Medium	300W 420W	3000K Ra>70 - 5700K Ra>70	100-277Vac 50/60Hz 347-480Vac 50/60Hz	1-10V Dimming DALI Dimming Photocell

Dimension Details

Power	A	B	C	Weight
300W	585mm	360mm	75mm	10.50kg
420W				

Type	Mounting*	
A	Slip fit mount suitable for 60mm tenon mount.	
B	Adjustable arm mount for square pole/ flat surface.	
C	Trunnion arm	
D	Slide & Lock Mount, for Square & Round Poles.	
E	Fixed mount for Square pole / flat surface.	
F	Fixed mount for Round Pole.	

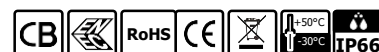* Mounting Options

WATCHMAN SERIES

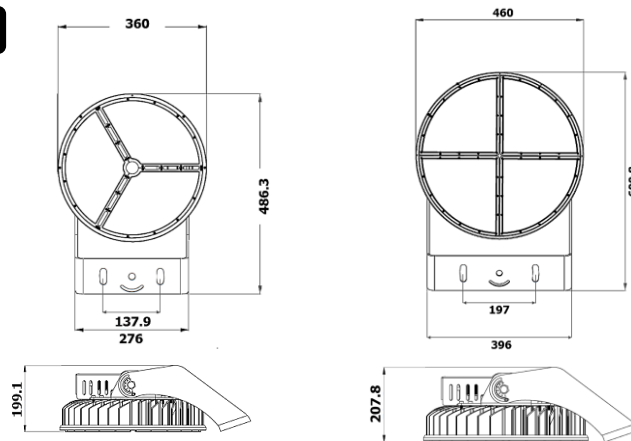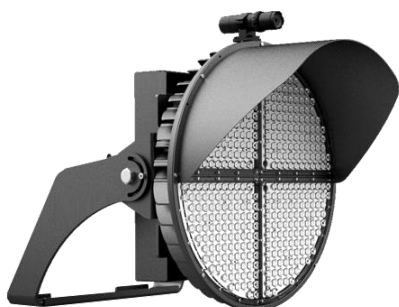### LED Floodlight

Performance Summary

- Lumen output: 13,000 – 42,000lm
- Efficacy: Up to 140lm/W
- Ra: >70 (Ra>80 Optional)
- CCT: 4000K – 5000K
- Operating temperature: -30°C - +45°C
- Ingress protection: IP66
- Impact Resistance: IK08
- Colour consistency: SDCM<5
- Dimming option: 1-10V, DALI & Microwave sensor

- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- Auto disconnect switch on driver door for safe maintenance.
- Mounting: Multiple mounting options to fit different structures.
- Light weight construction for quick & easy installation.
- Colour: Black & Silver Grey

RoHS | SAA | CE | CB | EK | ☒ | +45°C -30°C | IP66

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage	Controls
WAM	A	A18 Wide Asymmetric 80 x 130° flood	100W	4000K Ra>70	100-277Vac 50/60Hz	1-10V Dimming
			150W	5000K Ra>70		DALI Dimming
		S14 Wide Symmetric 60° flood	200W	4000K Ra>80	220-240Vac 50/60Hz	Microwave Sensor
			250W	5000K Ra>80		
		110 Very Wide Symmetric 110° Flood	300W			
		A19 Medium Asymmetric 40 x 80° Flood	250W 300W			

Dimension Details

Power	L1	L2	L3	L4 (mm)	W1	W2	H	Weight
100W 150W	375	383	386	469	256	317	65	4.5 kg.
200W	424	432	435	529	305	369	65	6.7 kg.
250W 300W	506	514	527	611	335	399	79	8.49 kg.

RHB SERIES

LED High Bay

Performance Summary

- Lumen output: 12,800 – 42,000lm
- Efficacy: Up to 210lm/W
- Ra: >80
- CCT: 3000K –6500K
- Operating temperature: -20°C - +40°C
- Ingress protection: IP65
- Impact Resistance: IK08
- Dimming option: 1-10V & DALI & Microwave Sensor
- Lifetime: >50,000 Hrs.

- Warranty: 7 Years. Limited warranty, please contact your local agent for detailed T&C.
- Multiple reflector / diffuser options. Symmetrical uniform light distribution.
- Mounting: Bracket mount or pendant installation available. Lightweight construction for quick & easy installation.
- Colour: Black & White

General Information

Model	Series	Diffuser	Optic	Wattage	CCT & Ra	Voltage	Controls
RHB	A B	NR No Reflector	120D 120° Flood 90D 90° Flood 60D 60° Flood	80W 120W 170W	3000K Ra>70 - 6500K Ra>70 3000K Ra>80 - 6500K Ra>80	100-240Vac 50/60Hz	Non-Dimmable 1-10V Dimming DALI Dimming Microwave Sensor
		Aluminum Reflector	90D 90° Flood 60D 60° Flood	80W 200W 120W 170W 200W			
		Prismatic Reflector					

Dimension Details

Power	Ø	H	Weight
80W & 120W	295mm	150mm	2.50kg.
170W & 200W	328mm	157mm	3.50kg.

CANOPY & PARKING

Energy-efficient lighting solutions that improves safety, visibility and reliability for parking structures and petrol stations.

DPY SERIES

LED Canopy

Performance Summary

- Lumen output: 9,750 – 19,500lm
- Efficacy: Up to 130lm/W
- Ra: >70 (>80 on request)
- CCT: 3000K –5700K
- Operating temperature: -40°C-+50°C
- Ingress protection: IP65
- Impact Resistance: IK08
- Dimming option: 1-10V & Microwave Sensor
- Lifetime: >50,000 Hrs.

- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- Frosted Tempered Glass Diffuser
- Symmetrical uniform light distribution.
- Mounting: Recess / Surface mounting options available.
- Quick & easy installation.
- Colour: White

General Information

Model	Series	Lens	Wattage	CCT & Ra	Voltage	Controls
DPY250	A	TC Frosted Tempered Glass Diffuser	75W 110W 150W	3000K Ra>70 - 5700K Ra>70 3000K Ra>80 - 5700K Ra>80	100-277Vac 50/60Hz	Non-Dimmable 1-10V Dimming Microwave sensor

Dimension Details

Power	L	B	H	Weight	Lumen Output*
75W					9750lm
110W	420mm	420mm	100mm	7.60kg.	14,300lm
150W					19,500lm

* Indicative Lumen output measured at 4000K, there will be variations with respect to CCT & Ra used.

CL Series

LED Circular/Square Canopy

Performance Summary

- Lumen output: 4,459 – 7,611lm
- Efficacy: Up to 126lm/W
- Ra: >70 (>80 on request)
- CCT: 3000K –5700K
- Operating temperature: -40°C-+50°C
- Ingress protection: IP65
- Impact Resistance: IK08
- Dimming option: 1-10V, Photocell & Microwave Sensor
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- Surge protection, integral to driver.
- Over voltage, under voltage, short circuit & over temperature protection.
- UV stabilized Polycarbonate frosted / clear diffuser. Symmetrical uniform light distribution.
- Surface and pendant mounting possible.
- Quick & easy installation.
- Colour: White, Black & Silver

General Information

Model	Series	Optic	Wattage	Lumen	CCT & Ra	Voltage	Controls
CLC CLS	A	CL Clear Diffuser	40W 60W	4956lm 7611lm	3000K Ra>70 - 5700K Ra>70	100-277Vac 50/60Hz	Non-Dimmable 1-10V Dimming Microwave sensor
		FR Frosted Diffuser		4459lm 6440lm			

Dimension Details

Model	Power	Ø	H	Weight
CLC	40W-60W	265mm	55mm	2.80kg.

Model	Power	L	B	H	Weight
CLS	40W-60W	258mm	258mm	103mm	2.80kg.

TWP Series

LED Tubular TriProof Luminaire

Performance Summary

- Lumen output: 2,200 – 7,000lm
- Efficacy: Up to 140lm/W
- Ra: >80
- CCT: 4000K –5000K
- Operating temperature: -30°C - +50°C
- Ingress protection: IP69K
- Impact Resistance: IK10
- Dimming option: 1-10V, DALI & Microwave Sensor
- Lifetime: >50,000 Hrs.

- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- Acid and Alkali corrosion resistance surface treatment available on request..
- Over voltage, under voltage, short circuit & over temperature protection.
- Symmetrical uniform light distribution
- Polycarbonate body & diffuser.
- Lightweight design for quick & easy installation.

CE | RoHS | 50000h | IP69K | +50°C -30°C

General Information

Model	Series	Wattage	Lumen Output	CCT & Ra	Voltage	Controls
TWP2	A	20W	2200lm	4000K Ra>80	220-240Vac 50/60Hz	Non-dimmable
			2600lm	5000K Ra>80		1-10V Dimming
TWP4		35W	4200lm			DALI Dimming
			4900lm			Microwave sensor
TWP5		50W	6000lm			
			7000lm			

Dimension Details

Model	L (mm)	Ø	Weight
TWP2	595mm	70mm	1.10Kg.
TWP4	1195mm	70mm	1.80Kg.
TWP5	1495mm	70mm	2.20Kg.

EXCEED Series

LED Batten – IP20/IP65

Performance Summary

- Lumen output: 2,220 – 4,000lm
- Efficacy: Up to 127lm/W
- Ra: >80
- CCT: 3000K –6500K
- Operating temperature: -20°C to +40°C
- Ingress protection: IP20/IP65
- Beam Angle: 115°
- Lifetime: >50,000 Hrs.

- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- Opalized diffuser for uniform illumination, low apparent brightness and no pixilation.
- Polycarbonate body, white finish.
- Lightweight design for quick & easy installation.

General Information

Model	Wattage	Lumen Output	CCT & Ra	Voltage	Controls	IP
EB2M	18W	2250lm	3000K Ra>80 – 6500K Ra>80	220-240Vac 50/60Hz	Non-dimmable	IP20
EB4M	18W 32W	2286lm 4000lm				
EB5M	32W	4000lm				
EC2M	18W	2250lm				IP65
EC4M	18W 32W	2286lm 4000lm				
EC5	32W	4000lm				

Dimension Details

Model	Dimension (L*W*H) mm	Weight
EB2M/EC2M	600 x 79 x 59	0.50 kg.
EB4M/EC4M	1200 x 79 x 59	0.90 kg.
EB5M/EC5M	1500 x 79 x 59	1.10 kg.

INDUSTRIAL, WAREHOUSES & CLEANROOM

Quality Industrial and warehouse lighting ensures that the lighting is sufficient in all of the areas and enough for workers to know and be able to see what they are doing contributing to their overall health and safety. Conditions such as extreme temperatures, vapours, moist, dust and other factors should be taken into consideration and provide lighting solutions suitable for these environments.

WELCOME

TRAINING CENTRE

WATCHMAN SERIES

LED Floodlight

Performance Summary

- Lumen output: 13,000 – 42,000lm
- Efficacy: Up to 140lm/W
- Ra: >70 (Ra>80 Optional)
- CCT: 4000K – 5000K
- Operating temperature: -30°C - +45°C
- Ingress protection: IP66
- Impact Resistance: IK08
- Colour consistency: SDCM<5
- Dimming option: 1-10V, DALI & Microwave sensor

- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- Auto disconnect switch on driver door for safe maintenance.
- Mounting: Multiple mounting options to fit different structures.
- Light weight construction for quick & easy installation.
- Colour: Black & Silver Grey

RoHS | SAA | CE | CB | EK | +45°C -30°C | IP66

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage	Controls
WAM	A	A18 Wide Asymmetric 80 x 130° flood	100W	4000K Ra>70	100-277Vac 50/60Hz	1-10V Dimming
			150W	5000K Ra>70		DALI Dimming
		S14 Wide Symmetric 60° flood	200W	4000K Ra>80	220-240Vac 50/60Hz	Microwave Sensor
			250W	5000K Ra>80		
			300W			
		110 Very Wide Symmetric 110° Flood				
		A19 Medium Asymmetric 40 x 80° Flood	250W 300W			

Dimension Details

Power	L1	L2	L3	L4	W1	W2	H	Weight
				(mm)				
100W 150W	375	383	386	469	256	317	65	4.5 kg.
200W	424	432	435	529	305	369	65	6.7 kg.
250W 300W	506	514	527	611	335	399	79	8.49 kg.

RHB SERIES

LED High Bay

Performance Summary

- Lumen output: 12,800 – 42,000lm
- Efficacy: Up to 210lm/W
- Ra: >80
- CCT: 3000K –6500K
- Operating temperature: -20°C - +40°C
- Ingress protection: IP65
- Impact Resistance: IK08
- Dimming option: 1-10V & DALI & Microwave Sensor
- Lifetime: >50,000 Hrs.

- Warranty: 7 Years. Limited warranty, please contact your local agent for detailed T&C.
- Multiple reflector / diffuser options. Symmetrical uniform light distribution.
- Mounting: Bracket mount or pendant installation available. Lightweight construction for quick & easy installation.
- Colour: Black & White

50000h | c(UL)us LISTED | DLC | RoHS | FC | IP65 | +40°C -20°C

General Information

Model	Series	Diffuser	Optic	Wattage	CCT & Ra	Voltage	Controls
RHB	A B	NR No Reflector	120D 120° Flood 90D 90° Flood 60D 60° Flood	80W 120W 170W	3000K Ra>70 - 6500K Ra>70 3000K Ra>80 - 6500K Ra>80	100-240Vac 50/60Hz	Non-Dimmable 1-10V Dimming DALI Dimming Microwave Sensor
		Aluminum Reflector	90D 90° Flood 60D 60° Flood	80W 200W 120W 170W 200W			
		Prismatic Reflector					

Dimension Details

Power	Ø	H	Weight
80W & 120W	295mm	150mm	2.50kg.
170W & 200W	328mm	157mm	3.50kg.

LLH SERIES

LED Lowbay/Highbay

Performance Summary

- Lumen output: 26,060lm
- Efficacy: Up to 130lm/W
- Ra: >80
- CCT: 4000K – 5000K
- Colour consistency: SDCM<5
- Ingress protection: IP65
- Impact Resistance: IK06
- Operating Temperature: -30ºC- +45ºC
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- Anti-corrosion and anti-oxidation treated.
- Asymmetrical light distributions for even illumination between and on racks /shelves.
- Lightweight construction & sleek design for quick and easy installation.
- UV stabilized polyester powder coated finish, White RAL 9006 as standard finish.

RoHS CE +45ºC -30ºC IP65

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage	Controls
LLH	A	Asymmetric 30° x 80° Asymmetric 60° x 90° Asymmetric 90° x 90°	100W 150W 200W	4000K Ra>80 5000K Ra>80	220-240Vac 50/60Hz	Non-dimmable 1-10V Dimming DALI Dimming Microwave motion sensor (Options)

Dimension Details

Wattage	L	B	H	Weight
100W	645mm			2.70kg.
150W	955mm	86mm	104mm	3.20kg.
200W	1260mm			3.70kg.

The LLH luminaire supplied with pendant cable of 1.50m length.

DPY SERIES

LED Canopy

Performance Summary

- Lumen output: 9,750 – 19,500lm
- Efficacy: Up to 130lm/W
- Ra: >70 (>80 on request)
- CCT: 3000K –5700K
- Operating temperature: -40°C-+50°C
- Ingress protection: IP65
- Impact Resistance: IK08
- Dimming option: 1-10V & Microwave Sensor
- Lifetime: >50,000 Hrs.

- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- Frosted Tempered Glass Diffuser
- Symmetrical uniform light distribution.
- Mounting: Recess / Surface mounting options available.
- Quick & easy installation.
- Colour: White

General Information

Model	Series	Lens	Wattage	CCT & Ra	Voltage	Controls
DPY250	A	TC Frosted Tempered Glass Diffuser	75W 110W 150W	3000K Ra>70 - 5700K Ra>70 3000K Ra>80 - 5700K Ra>80	100-277Vac 50/60Hz	Non-Dimmable 1-10V Dimming Microwave sensor

Dimension Details

Power	L	B	H	Weight	Lumen Output*
75W					9750lm
110W	420mm	420mm	100mm	7.60kg.	14,300lm
150W					19,500lm

* Indicative Lumen output measured at 4000K, there will be variations with respect to CCT & Ra used.

TWP Series

LED Tubular TriProof Luminaire

Performance Summary

- Lumen output: 2,200 – 7,000lm
- Efficacy: Up to 140lm/W
- Ra: >80
- CCT: 4000K –5000K
- Operating temperature: -30°C - +50°C
- Ingress protection: IP69K
- Impact Resistance: IK10
- Lifetime: >50,000 Hrs.

- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- Acid and Alkali corrosion resistance surface treatment available on request..
- Over voltage, under voltage, short circuit & over temperature protection.
- Symmetrical uniform light distribution
- Polycarbonate body & diffuser.
- Lightweight design for quick & easy installation.

CE RoHS 50000h IP69K +50°C -30°C

General Information

Model	Series	Wattage	Lumen Output	CCT & Ra	Voltage	Controls
TWP2	A	20W	2200lm	4000K Ra>80	220-240Vac 50/60Hz	Non-dimmable
			2600lm	5000K Ra>80		1-10V Dimming
TWP4		35W	4200lm			DALI Dimming
			4900lm			Microwave sensor
TWP5		50W	6000lm			
			7000lm			

Dimension Details

Model	L (mm)	Ø	Weight
TWP2	595mm	70mm	1.10Kg.
TWP4	1195mm	70mm	1.80Kg.
TWP5	1495mm	70mm	2.20Kg.

EXCEED Series

LED Batten – IP20/IP65

Performance Summary

- Lumen output: 2,220 – 4,000lm
- Efficacy: Up to 127lm/W
- Ra: >80
- CCT: 3000K –6500K
- Operating temperature: -20°C to +40°C
- Ingress protection: IP20/IP65
- Beam Angle: 115°
- Lifetime: >50,000 Hrs.

- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- Opalized diffuser for uniform illumination, low apparent brightness and no pixilation.
- Polycarbonate body, white finish.
- Lightweight design for quick & easy installation.

RoHS CE KC 50000h +40°C -20°C IP65

General Information

Model	Wattage	Lumen Output	CCT & Ra	Voltage	Controls	IP
EB2M	18W	2250lm	3000K Ra>80	220-240Vac 50/60Hz	Non-dimmable	IP20
EB4M	18W 32W	2286lm 4000lm	–			
EB5M	32W	4000lm	6500K Ra>80			
EC2M	18W	2250lm				IP65
EC4M	18W 32W	2286lm 4000lm				
EC5	32W	4000lm				

Dimension Details

Model	Dimension (L*W*H) mm	Weight
EB2M/EC2M	600 x 79 x 59	0.50 kg.
EB4M/EC4M	1200 x 79 x 59	0.90 kg.
EB5M/EC5M	1500 x 79 x 59	1.10 kg.

L   W   H
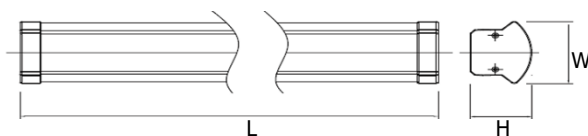
SECURITY

Aesthetically and weatherproof design luminaires capable of withstanding humidity, rain and other hazards. Providing illumination for safety and security.

WATCHMAN SERIES

LED Floodlight

Performance Summary

- Lumen output: 13,000 – 42,000lm
- Efficacy: Up to 140lm/W
- Ra: >70 (Ra>80 Optional)
- CCT: 4000K – 5000K
- Operating temperature: -30°C - +45°C
- Ingress protection: IP66
- Impact Resistance: IK08
- Colour consistency: SDCM<5
- Dimming option: 1-10V, DALI & Microwave sensor

- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- Auto disconnect switch on driver door for safe maintenance.
- Mounting: Multiple mounting options to fit different structures.
- Light weight construction for quick & easy installation.
- Colour: Black & Silver Grey

RoHS | SAA | CE | CB | EK | ⌧ | +45°C -30°C | IP66

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage	Controls
WAM	A	A18 Wide Asymmetric 80 x 130° flood	100W	4000K Ra>70	100-277Vac 50/60Hz	1-10V Dimming
			150W	5000K Ra>70		DALI Dimming
		S14 Wide Symmetric 60° flood	200W	4000K Ra>80	220-240Vac 50/60Hz	Microwave Sensor
			250W	5000K Ra>80		
		110 Very Wide Symmetric 110° Flood	300W			
		A19 Medium Asymmetric 40 x 80° Flood	250W 300W			

Dimension Details

Power	L1	L2	L3	L4 (mm)	W1	W2	H	Weight
100W 150W	375	383	386	469	256	317	65	4.5 kg.
200W	424	432	435	529	305	369	65	6.7 kg.
250W 300W	506	514	527	611	335	399	79	8.49 kg.

WP Series

LED Wall Pack Series

Performance Summary

- Lumen output: 3,584 – 16,200lm
- Efficacy: Up to 135lm/W
- Ra: >80
- CCT: 4000K –5000K
- Operating temperature:: -20°C -+60°C
- Ingress protection: IP66
- Impact Resistance: IK06
- Lifetime: >50,000 Hrs.
- Warranty: 10 Years. Limited warranty, please contact your local agent for detailed T&C.

- High impact resistant glass refractor lens.
- Photocell option for energy savings & automated dusk to dawn operation.
- Over voltage, under voltage, short circuit & over temperature protection.
- Surge protection 6kV integral to driver.
- Quick & easy to install.
- Colour: Bronze & Black

General Information

Model	Series	Wattage	Lumen Output	CCT & Ra	Voltage	Controls
WP10	B	28W	3584lm	4000K Ra>80	100-277Vac 50/60Hz	1-10V Dimming
		40W	5200lm	5000K Ra>80		Photocell
					347-480Vac 50/60Hz	
WP14		40W	5200lm			
		50W	6700lm			
		60W	8040lm			
		80W	10800lm			
		100W	13500lm			
		120W	16200lm			

Dimension Details

Model	L (mm)	W (mm)	H (mm)	Weight
W10	270	193	168	1.80kg.
W14	372	241	196	3.80kg.
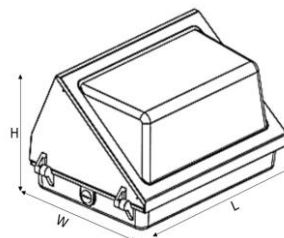
Photocell   Wire guard   Cut-off glare shield

IC GardenSCAPE Series

LED Bollard

Performance Summary

- Lumen output: 860 - 1,500lm
- Efficacy: Up to 86lm/W
- Ra: >80
- CCT: 3000K –6000K
- Operating temperature: -20°C - +50°C
- Ingress protection: IP65
- Impact Resistance: IK08
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- UV stabilized polyester powder coated finish.
- Symmetrical uniform lighting distribution.
- Clear PMMA diffuser.
- Over voltage, under voltage, short circuit & over temperature protection.
- Integral 1kV surge protection on driver.
- Colour: Black, White & Silver

ICR   ICL   ICF

RoHS   50000h   CE   IP65   +50°C -20°C

General Information

Model	Series	Wattage	Lumen Output*	CCT & Ra	Voltage
ICR	A	10W	860lm	3000K Ra>80	220-240Vac 50/60Hz
ICL		20W	1500lm	-	
ICF				6000K Ra>80	

*Lumen output measured @ 5000K

Dimension Details

215 / 1015 / 800 / h / Ø160 / **ICR**

180 / 995 / 800 / h / Ø160 / **ICL**

165 / 980 / 800 / h / Ø160 / **ICF**

Height 'h' 800mm as standard. However height can be customized to requirement.

The IC Series LED bollard luminaire is supplied with set of 3 anchor bolts, 2 nuts & 2 washers and templates for foundation casting.

Bollard equipped with detachable base plate for quick and easy installation
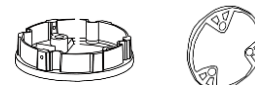
EyeLED Series

LED Wall Pack Series

Performance Summary

- Lumen output: 1400lm
- Efficacy: Up to 77lm/W
- Ra: >80
- CCT: 3000K, 4000K & 5000K
- Operating temperature: -30°C - 60°C
- Ingress protection: IP65
- Impact Resistance: IK10*
- Lifetime: >50,000 Hrs.

- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- UV stabilized polyester powder coated finish.
- Over voltage, under voltage, short circuit & over temperature protection.
- 1kV Integral surge protection.
- Quick & easy to install.
- Colour: Black, White & Silver

* Contact Ruud Sales Office for details and confirmation.

WEL   WELQ

WEY   WEYQ

RoHS   50000h   CE   IP65   +40°C / -20°C

General Information

Model	Series	Wattage	Lumen Output	CCT & Ra	Voltage
WEY	A	18W	1400lm	3000K Ra>80 - 5000K Ra>80	220-240Vac 50/60Hz
WEYQ					
WEL					
WELQ					

Dimension Details

275   86

OYC / OYS OYSTER ROUND & SQUARE SERIES

LED Downlight

Performance Summary

- Lumen output: 1,320 – 2,750lm
- Efficacy: Up to 110lm/W
- Ra: >80
- CCT: 3000K – 6000K
- Colour consistency: SDCM<3
- Ingress protection: IP54
- Impact Resistance: IK10
- Operating Temperature: -40ºC to 50ºC

- Warranty: 3 Years. Limited warranty, please contact your local agent for detailed T&C.
- The choice of multiple dimming option and sensors facilitate the intelligent/smart control adapting to the environment and addresses energy conservation.
- Facilitate quick & easy installation with press release mounting brackets.
- Wall mounted and Surface mounted.

RoHS CE +50°C -40°C IP54

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage	Controls
OYC Circular OYS Square	A	20º Beam Angle	**S** 12W **M** 18W **L** 25W **ADJ*** 13W/18W/24W (only available in "M" size fixture	3000K Ra>80 - 6000K Ra>80 **SCT** – Field adjustable colour temperature (Dip Switch)	220-240V 50/60Hz	Non-dimmable Triac Dimming DALI Dimming Motion Sensor

Dimension Details

Model	Wattage	Size (mm) Ø	H	Weight
OYC	12W	220Ø		0.45kg
	18W	280Ø	48	0.70kg
	25W	330Ø		0.85kg

Model	Wattage	L (mm)	B (mm)	H (mm)	Weight
OYS	12W	220	220		0.45kg
	18W	280	280	48	0.70kg
	25W	330	330		0.85kg

GardenSCAPE

Designed to increase the effectiveness of other security measures and deter unwanted / illegal activity. Lighting Solutions that improves safety and security with aesthetically and weatherproof design luminaires.

IC GardenSCAPE Series

LED Bollard

Performance Summary

- Lumen output: 860 - 1,500lm
- Efficacy: Up to 86lm/W
- Ra: >80
- CCT: 3000K –6000K
- Operating temperature: -20°C - +50°C
- Ingress protection: IP65
- Impact Resistance: IK08
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- UV stabilized polyester powder coated finish.
- Symmetrical uniform lighting distribution.
- Clear PMMA diffuser.
- Over voltage, under voltage, short circuit & over temperature protection.
- Integral 1kV surge protection on driver.
- Colour: Black, White & Silver

ICR   ICL   ICF
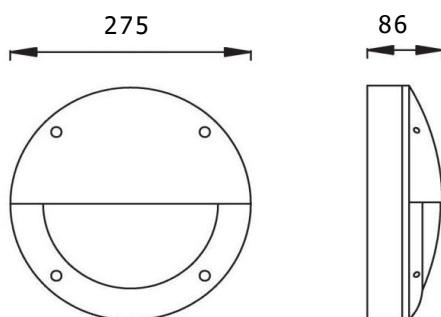
RoHS | 50000h | CE | IP65 | +50°C -20°C

General Information

Model	Series	Wattage	Lumen Output*	CCT & Ra	Voltage
ICR	A	10W	860lm	3000K Ra>80	220-240Vac 50/60Hz
ICL		20W	1500lm	-	
ICF				6000K Ra>80	

Dimension Details

*Lumen output measured @ 5000K

215
1015
800
h
Ø160
ICR

180
995
800
h
Ø160
ICL

165
980
800
h
Ø160
ICF

Height 'h' 800mm as standard. However height can be customized to requirement.
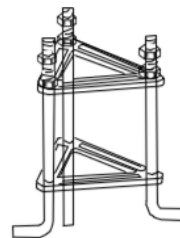
The IC Series LED bollard luminaire is suppled with set of 3 anchor bolts, 2 nuts & 2 washers and templates for foundation casting.

Bollard equipped with detachable base plate for quick and easy installation

GBL GardenSCAPE Series

LED Bollard

Performance Summary

- Lumen output: 800-1600lm
- Efficacy: Up to 80lm/W
- Ra: >80, Optional Ra>90
- CCT: 2700K –6500K
- Operating temperature: -30°C - +60°C
- Ingress protection: IP66
- Impact Resistance: IK08
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- Die-cast & Extruded Aluminum Body.
- UV Stabilized powder coated finish.
- Anti-corrosion & Anti-oxidation treatment.
- Clear lens for better light distribution.
- Impact resistance of IK08.
- Lightweight construction for quick & easy installation.
- Colour: Black, Silver Grey, White & Bronze

RoHS CE +60°C -30°C IP66

General Information

Model	Series	Wattage	Height	Lumen Output	CCT & Ra	Voltage
GBLS	A	10W	400mm	800lm	2700K Ra>80	220-240Vac 50/60Hz
			600mm		–	
GBLM		20W	800mm	1600lm	6500K Ra>80	

Dimension Details

Wattage	Height	Ø	Weight
10W	400mm	140mm	1.50kgs.
	600mm		1.75kgs.
	800mm		2.00kgs.
20W	400mm	230mm	3.10kgs.
	600mm		3.50kgs.
	800mm		3.90kgs.

GBL-S   GBL-M
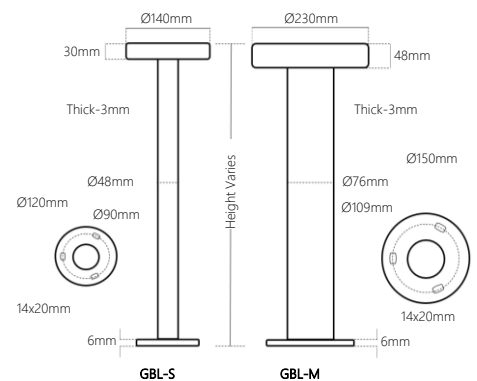
GAP GardenSCAPE Series
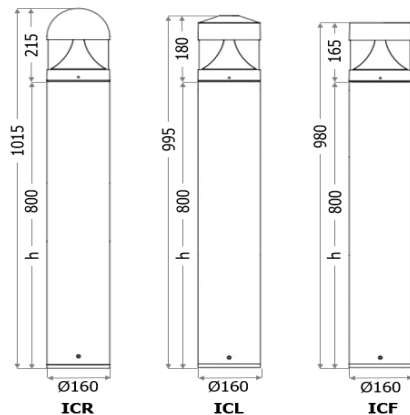
LED Area & Pathway

Performance Summary

- Lumen output: 4132- 7114lm
- Efficacy: Up to 135lm/W
- Ra: >80
- CCT: 2700K –6500K
- Operating temperature: -30°C - +60°C
- Ingress protection: IP66
- Impact Resistance: IK08
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- Extruded and di-cast aluminum Body.
- UV Stabilized powder coated finish.
- Anti-corrosion & Anti-oxidation treatment.
- Quick & easy installation.
- Colour: Black, Silver Grey & White

RoHS   CE   +60°C -30°C   IP66

General Information

Model	Series	Height	Wattage	CCT & Ra	Voltage	Controls
GAP1	A	3 Metre	30W	2700K Ra>80 -	100-277Vac 50/60Hz	1-10V Dimming
		4 Metre	40W	6500K Ra>80		DALI Dimming
GAP2		5 Metre	50W			Microwave Motion Sensor
		6 Metre	60W			Photocell

Dimension

Installation

100
150
Bottom View

1900mm Double
1000mm Single
100
900   900

Ø:279
280 x 280 T: 10mm
CC: 197
4-24x50
3.0m Pole

Ø:279
280 x 280 T: 12mm
CC: 197
4-24x50
4.0m Pole

Ø:297
CC: 210
4-24x50
5.0m Pole

Ø:311
320 x 320 T: 20mm
CC: 220
4-24x50
6.0m Pole

3000mm to 6000mm

Pole Structure 100mm x 150mm 3.0mm Thick

Side View

250
100
350
Cutout Side
T

The Luminaire structure is mounted to ground by casting a foundation with 20mm x (450-750)mm Anchor[1] bolt.
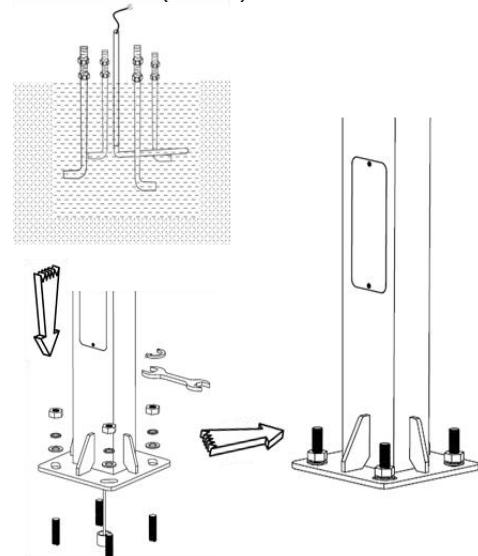
[1] Anchor bolts are not part of standard Luminaire

GFL GardenSCAPE Series

LED Underwater Surface Mount Luminaire

Performance Summary

- Lumen output: 110-1050lm
- Efficacy: Up to 70lm/W
- Ra: >80
- CCT: 2700K – 6000K & RGBW
- Operating temperature: -20°C - +40°C
- Ingress protection: IP68
- Impact Resistance: IK04, IK08 for GULD version.
- Lifetime: >50,000 Hrs.
- Warranty: 3 Years. Limited warranty, please contact your local agent for detailed T&C.

- 316 grade stainless steel body and fasteners.
- 12V DC operation ensures the safe operation at all time and integral DC-DC constant current driver maximizes the LED life.
- Surface mount installation.
- Lightweight construction for quick & easy installation.
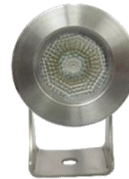
Model: GULS   Model: GULD

RoHS CE +40°C -20°C IP68

General Information

Model	Series	Optics (Lens)	Wattage	CCT & Ra	Voltage	Controls
GFLS COB LED Single CCT Non dimmable	A	10º, 15º, 30º, 45º & 60º Beam Angle	3W	2700K Ra>80 - 6000K Ra>80	12V DC	Non-Dimmable for GFLS model
		15º, 24º, 36º & 60º Beam Angle	8W			DMX-512 for GFLD model (RGBW)
		10º, 23º & 36º Beam Angle	15W			
GFLD SMD LED RGBW with Built-in DMX decoder		6º, 8º, 10º, 17º, 23º, 28º & 43º Beam Angle	12W	RGB3K – RGB6K (3000K-6000K)		

Dimension

Wattage	Ø	L	H	Weight
3W	32mm	52mm	58mm	0.30kg.
8W	44mm	90mm	81mm	0.70kg.
15W	59mm	103mm	105mm	1.10kg.

The Luminaire can be installed on concrete floor directly with Fischer* bolt Standard 1.0m Lead cable, can be customized to requirement.
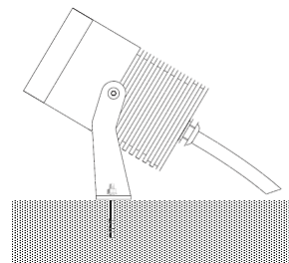
* Fischer bolts are not part of standard luminaire

L
Ø
H
Model: GFLS

120mm
Weight :1.10Kg.
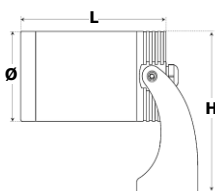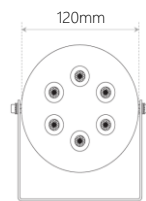
22mm
145mm
42mm
Model: GFLD

GMF GardenSCAPE Series

LED Spike and Accent Flood
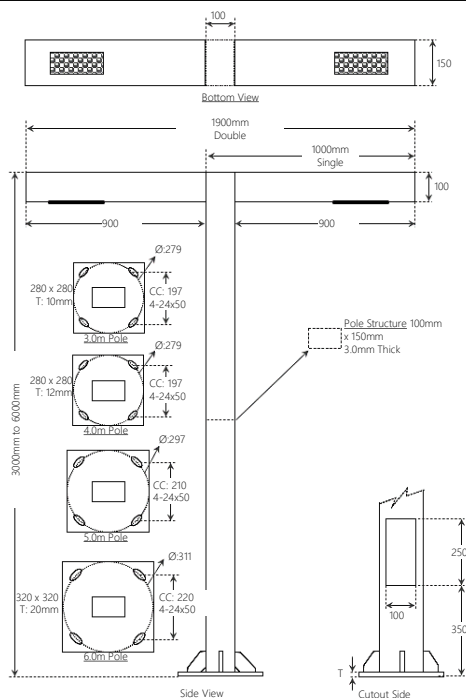

Performance Summary

- Lumen output: 350-2300lm @ 4000K
- Efficacy: Up to 90lm/W
- Ra: >80
- CCT: 2700K-6000K
- Operating temperature: -20°C - +50°C
- Ingress protection: IP67
- Impact Resistance: IK04
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- Anodized CNC-Machined marine grade aluminum body.
- Clear lens for better light distribution.
- Tempered glass diffuser.
- Brass cable gland PG7, IP67.
- Optional Surface mount base for wall mounting installation.
- Lightweight construction for quick & easy installation.
- Colour: Anodized dark grey finish as standard, anodized silver, anodized black & white paint finish.

RoHS CE +50°C -20°C IP67

General Information

Model	Series	Wattage	Optics (Lens/Reflector)	CCT & Ra	Voltage
GMF	A	5W	**Reflector** 15°, 25° & 38° Beam Angle **Lens** 10°, 24°, 36° & 60° Beam Angle	2700K Ra>80 – 6000K Ra>80	100-265Vac 50/60Hz
		15W	**Reflector** 25°, 38°, 60° Beam Angle **Lens** 10°, 23° & 36° Beam Angle		
		25W	**Reflector** 15°, 23°, 38°, 45° & 60° Beam Angle		

Dimension Details

Model		Ø	L	S	Weight	Lumen
S	5W	42mm	77mm	175mm	0.30kg	350-400lm
M	15W	61mm	100mm	175mm	0.60kg	1,200 – 1,350lm
L	25W	89mm	145mm	205mm	1.40kg	2,100 – 2,300lm
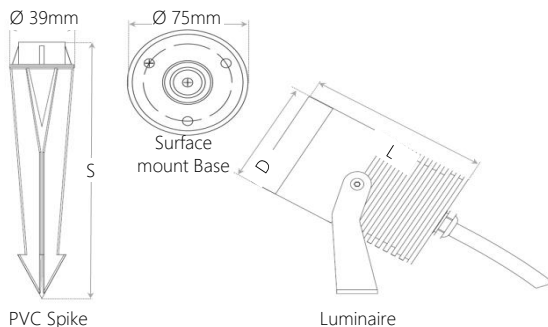
The luminaire can be mounted to wall or concrete floor directly with Fischer* bolt or by using the optional surface mount base. Alternatively the Luminaire can be installed on grass bed or soil by using the Optional PVC Spike or with the optional pole & spike. Standard 1.0m Lead cable, can be customized to requirement.

Ø 39mm

Ø 75mm

Surface mount Base

S

PVC Spike
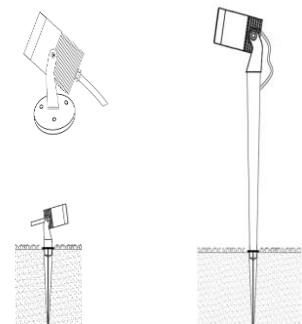
Luminaire

* Fischer bolts are not part of standard luminaire

GLA GardenSCAPE Series

LED Anti Glare Accent Mini Flood

Performance Summary

- Lumen output: 400lm @ 4000K
- Ra: >80
- CCT: 2700K – 6500K
- Operating Temperature: -20°C - +50°C
- Ingress protection: IP67
- Impact Resistance: IK04
- Lifetime: >50,000 Hrs.
- Warranty: 3 Years. Limited warranty, please contact your local agent for detailed T&C.

- Die-cast marine grade aluminum body.
- Clear lens for better light distribution.
- Tempered glass diffuser 3.0mm.
- Rubber lead cable 1.0m, 2x1m² or 3x1m² as standard.
- Choice of 12-24Vdc or Universal mains operation.
- Lightweight construction for quick & easy installation.
- Colour: Anodized + Powder coated dark grey finish as standard, black & white

RoHS CE ☒ +50°C -20°C IP67

General Information

Model	Series	Optics	Wattage	CCT & Ra	Voltage
GLA	A	15ºBeam 25ºBeam	8W	2700K Ra>80 - 6500K Ra>80	AC100-265V 50/60Hz DC12-24V

Dimension

Model	Length	Height	Ø
GLA	146mm	101mm	55mm

Installation

The luminaire can be mounted to concrete floor or wall using Fischer bolt or directly to ground with optional spike. Rubber lead cable 1.0m 2x1m² for DC variant and 3x1m² for AC variant, length can be customized to requirement.

146.0mm

101.0mm

Ø55.0mm

Luminaire Weight- 0.45Kg.
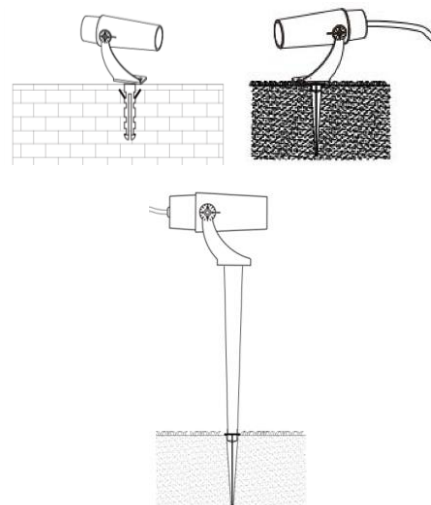
GWB GardenSCAPE Series

LED Up and Down Luminaire

Performance Summary

- Lumen output: 310lm – 800lm
- Efficacy: Up to 105lm/W
- Ra: >80
- CCT: 2700K –6500K
- Operating Temperature: -20°C- +50°C
- Ingress protection: IP65
- Impact resistance: IK04.
- Lifetime: >50,000 Hrs.
- Warranty: 3 Years. Limited warranty, please contact your local agent for detailed T&C.

- Anodized die-cast marine grade aluminum body.
- Powder coated dark grey finish as standard
- Clear lens honeycomb for better light distribution.
- Tempered glass diffuser
- Wall mounting with round base.
- Lightweight construction for quick & easy installation.

RoHS CE +50°C -20°C IP65

General Information

Model	Series	Optics	Wattage	CCT & Ra	Voltage
GWB1 Single Up or Down luminaire	A	15º Beam	3.5W	2700K Ra>80	DC24V
		25º Beam		-	100-265V 50/60Hz
GWB2 Double Up & Down luminaire		36º Beam	7W	6000K Ra>80	
		60º Beam			

Model	Length	Ø	Weight
GWB1	78mm	46mm	0.32kg.
GWB2	116mm	46mm	0.45kg.

Installation

GWB2

Wall mounting Base

GWB1

Ø 13.0mm
Ø 28.0mm
Ø 3.5mm
Ø 19.0mm

116.0mm

Ø 35.0mm

30.0mm

Ø 35.0mm

30.0mm

78.0mm

Ø46.0mm
Weight-
0.45Kg.

Ø46.0mm
Weight-
0.32Kg.

Single End Luminaire

Double End Luminaire
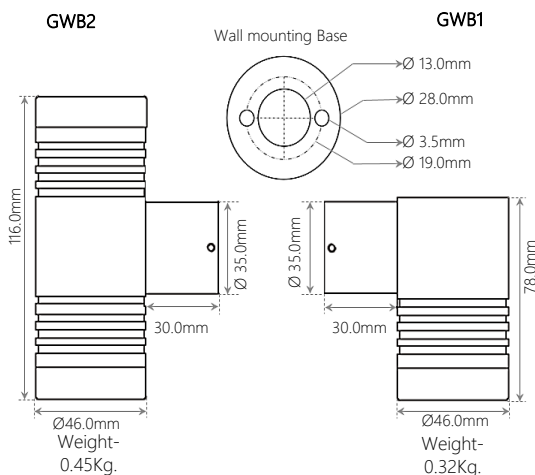
GMU GardenSCAPE Series
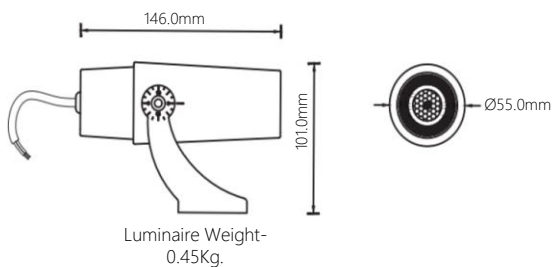
LED Inground Uplight

Performance Summary

- Lumen output: 150lm @ 4500K
- Ra: >80
- CCT: 2700K – 6000K
- Operating Temperature: -20°C-+50°C
- Ingress protection: IP67
- Impact Resistance: IK07
- Lifetime: >50,000 Hrs.
- Warranty: 3 Years. Limited warranty, please contact your local agent for detailed T&C.

- Anodized CNC-Machined marine grade aluminum body.
- Anodized dark grey finish as standard
- Clear lens for better light distribution.
- Tempered glass diffuser 6.0mm.
- Lightweight construction for quick & easy installation.

RoHS CE IP67

General Information

Model	Series	Optics	Wattage	Lumen Output	CCT & Ra	Voltage
GMU	A	11º, 15º, 25º, 30º, 45º & 60º Beam Angle	3W	150lm	2700K Ra>80 - 6000K Ra>80	12V -24V DC

Dimension Details

Model	Ø	Height	Weight
GMU	35mm	61mm	0.30kg.

Ø35.0mm

Ø35.0mm

Ø43.0mm

Ø35.0mm

61.0mm

100.0mm

100.0mm

Ø40.0mm

Recessing Sleeve A

Recessing Sleeve B

Luminaire Weight- 0.30Kg.

Installation

Ø43.0mm

Ø35.0mm

100mm

101mm

Recessing Sleeve A

Recessing Sleeve B

GUL SMD GardenSCAPE Series

LED Inground Uplight

Performance Summary

- Lumen output: 750lm, 1125lm & 1600lm @ 4000K
- Ra: >80
- CCT: 2700K-6000K, R/G/B/Y
- Operating Temperature: -20°C -+50°C
- Ingress protection: IP67
- Impact Resistance: IK09
- Lifetime: >50,000 Hrs.
- Warranty: 3 Years Limited warranty, please contact your local agent for detailed T&C.

- Anodized CNC-Machined marine grade aluminum body.
- Anodized dark grey finish as standard
- Clear lens for better light distribution.
- Tempered glass diffuser.
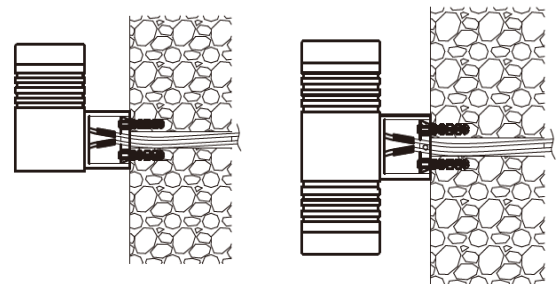- Lightweight construction for quick & easy installation

RoHS CE IP67 +50°C -20°C

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage
GULS	A	Symmetric 6°, 8°, 10°, 17°, 23°, 28°, 43° & 58°	12W 18W 24W	2700K Ra>80 - 6000K Ra>80 R/G/B/Y	100-265Vac 50/60Hz
		Asymmetric 15°x15°, 15°x25°, 15°x30°, 15°x45° 15°x60°			

Dimension Details

Model		Luminaire		Recessing Sleeve		Lumen *	Weight
		Ø	(H) Height	(H1) Height	(Ø1) Dia		
M	12W	135mm	86.5mm	140mm	129mm	750lm	1.60kg.
	18W					1125lm	
L	24W	160mm	107mm	128mm	148mm	1600lm	3.00kg,

* Indicative lumen output measured @4000K

Installation

H

Ø1

H1
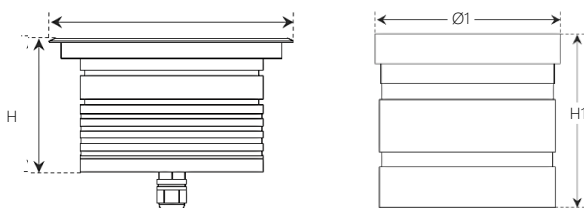
Recessing Sleeve
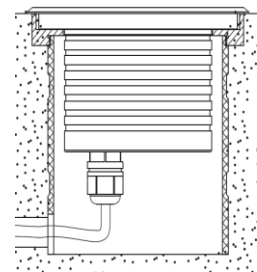
GUL COB GardenSCAPE Series

LED Inground Uplight

Performance Summary

- Lumen output: 500lm, 1100lm & 1450lm@4000K
- Ra: >80
- CCT: 2700K-6000K
- Operating Temperature: -20°C -+50°C
- Ingress protection: IP67
- Impact Resistance: IK09
- Lifetime: >50,000 Hrs.
- Warranty: 3 Years Limited warranty, please contact your local agent for detailed T&C.

- Anodized CNC-Machined marine grade aluminum body.
- Anodized dark grey finish as standard
- Clear lens / multifaceted reflector for better light distribution.
- Tempered glass diffuser.
- Lightweight construction for quick & easy installation

RoHS CE IP67 +50°C -20°C

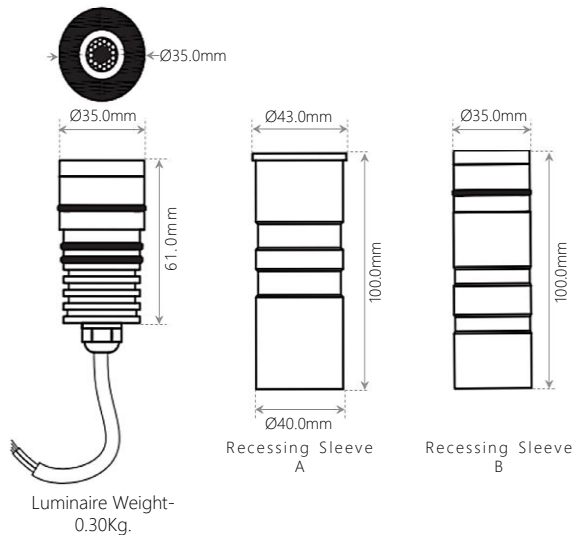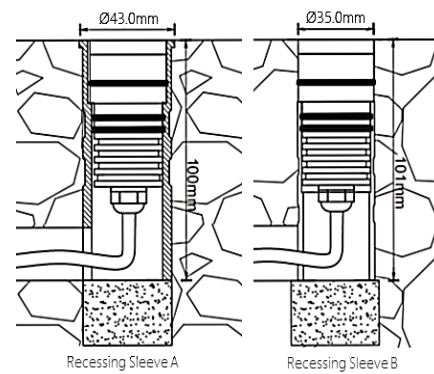### General Information

Model	Series	Trim	Optic	Wattage	CCT & Ra	Voltage
GULC	A	Circular Square	**Reflector** 24° & 36° Beam Angle **Lens** 10°, 23° & 36° Beam Angle	6W	2700K Ra>80 – 6000K Ra>80	100-245Vac 50/60Hz
			Reflector 15°, 23°, 38°, 45° & 60° Beam Angle **Lens** 10°, 23° & 36° Beam Angle	12W 15W		

Dimension Details

Model		Trim		Luminaire	Recessing Sleeve		Lumen*	Weight
		∅ Round	(A) Square	(H) Height	(H1) Height	(∅1) Dia		
S	6W	64mm	65mm	80mm	110mm	53mm	500lm	0.60kg.
M	12W 15W	110mm	110mm	85mm	120mm	100mm	1100lm 1450lm	1.75kg

* Indicative lumen output measured @4000K

Installation

Luminaire

H1

Recessing Sleeve
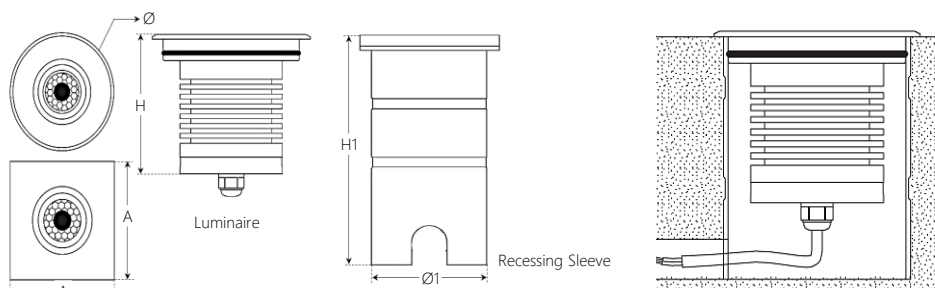
GULN GardenSCAPE Series

LED Linear Inground Accent Uplight

Performance Summary

- Ra: >80
- CCT: 2700K –6000K, R/G/B/Y
- Operating temperature:-25°C - +50°C
- Ingress protection: IP67
- Impact Resistance: IK08
- Lifetime: >50,000 Hrs.
- Warranty: 3 Years Limited warranty, please contact your local agent for detailed T&C.

- Passivated extruded marine grade aluminum body.
- Tempered glass diffuser.
- SS-316 grade trim with out visible mounting screws.
- Lightweight construction for quick & easy installation.

GULN1/GULN2   GULN3   GULN4

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage
GULN1 Symmetrical Flood	A	**Symmetrical** 5º , 8º, 12º, 24º, 36º & 60º Beam Angle	7W	2700K Ra>80	12-24V DC
GULN2 Asymmetrical Flood		**Asymmetrical** 6º , 8º, 10º, 15º, 17º, 23º, 28º, 43º, 58º & 95º Beam Angle	14W 21W	- 6000K Ra>80	
GULN3 Asymmetrical anti-glare Flood		**Asymmetrical** 50º x40º	49W	R/G/B/Y	24V DC
GULN4 Frosted Diffuser		**Asymmetrical** White asymmetrical 30º x150º reflector			

Dimension Details

Model		Luminaire (mm)		Recessing Sleeve (mm)		Indicative Lumen Output			
		L1	L2	L1	L2	GULN1	GULN2	GULN3	GULN4
XS	7W	200	158	200	170	350lm	400lm	200lm	200lm
S	14W	330	293	330	305	700lm	800lm	390lm	390lm
M	21W	470	428	470	440	1050lm	1200lm	580lm	580lm
L	49W	1000	968	1000	980	2450lm	2800lm	1400lm	1400lm

GP GardenSCAPE Series

LED ParkWay Luminaire

Performance Summary

- Lumen output: 4,000 - 10,192lm @ 4000K
- Efficacy: Up to 111lm/W
- Ra: >80 (Ra>90 Optional)
- CCT: 2700K – 6500K
- Operating temperature: -30°C - +60°C
- Ingress protection: IP65
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- Over voltage, Short circuit & Over temperature protection.
- Dimming options: 1-10V, PWM
- Surge Protection: 6kV integral to driver.
- Quick & easy installation.
- Colour: Silver Grey, Black & White

GP1

GP2

GP3

GP4

RoHS CE +60°C -30°C IP65

General Information

Model	Series	Wattage	CCT & Ra	Voltage	Controls
GP1	A	40W	2700K Ra>80 - 6500K Ra>80	100-277Vac 50/60Hz	1-10V Dimming
GP2		60W			
GP3		80W			
GP4		100W			

Dimension Details

Model	Ø (mm)	Height (mm)	Weight
GP1	650	180	9.70kg.
GP2	600	391	7.70kg.
GP3	690	660	14.60kg
GP4	745	547	10.30kg.

690mm
660mm
76
GP3

650mm
180mm
76
GP1

600mm
391mm
60mm or 76mm
GP2

745mm
575mm
745mm
547mm
76
GP4

GP5 GardenSCAPE Series

LED ParkWay Luminaire

Performance Summary

- Lumen output: 4,148 – 7,428lm @ 4000K
- Efficacy: Up to 103lm/W
- Ra: >80, (Ra>90 Optional)
- CCT: 2700K – 6500K
- Operating temperature: -30°C -+60°C
- Ingress protection: IP65
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- Over voltage, Short circuit & Over temperature protection.
- Dimming options. 1-10V, PWM
- Surge Protection: 6kV integral to driver
- Quick & easy installation.
- Colour: Silver Grey, Black & White

GP5A   GP5B

RoHS CE +60°C -30°C IP65

General Information

Model	Series	Wattage	CCT & Ra	Voltage	Controls
GP5A GP5B	A	40W 60W 80W	2700K Ra>80 - 6500K Ra>80	100-277Vac 50/60Hz	1-10V Dimming PWM

Dimension Details

445mm

590mm

Weight: 8.00Kg

60mm OR 76mm

GP5A

445mm

590mm

Weight: 8.60Kg

60mm OR 76mm

GP5B

Lumen Output*

Wattage	GP5A	GPB5
40W	4,148lm	4,148lm
60W	5,879lm	5,879lm
80W	7,428lm	7,428lm

* Indicative lumen measured at 4000K, there will be variation in lumen output in relation with CCT, CRI & optics used.

GP6 GardenSCAPE Series

LED ParkWay Luminaire

Performance Summary

- Lumen output: 3,840 – 6,583lm @ 4000K
- Efficacy: Up to 128lm/W
- Ra: >80 (Ra>90 Optional)
- CCT: 2700K –6500K
- Operating temperature: -30°C -+60°C
- Ingress protection: IP65
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- Over voltage, Short circuit & Over temperature protection.
- Dimming options. 1-10V, PWM
- Surge Protection: 6kV integral to driver
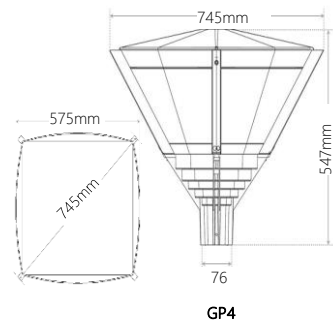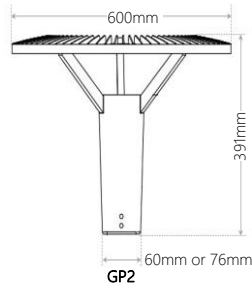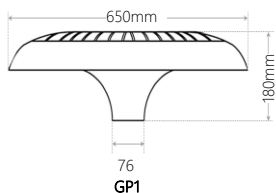- Quick & easy installation.
- Colour: Silver Grey, Black & White

GP6A

GP6B

RoHS CE +60°C -30°C IP65

General Information

Model	Series	Wattage	CCT & Ra	Voltage	Controls
GP6A	A	30W	2700K Ra>80	100-277Vac 50/60Hz	1-10V Dimming
GP6B		50W	-		PWM
		60W	6500K Ra>80		

Dimension Details

590mm

38mm

640mm

GP6A
Weight: 6.00Kg

560mm

32mm

410mm

GP6B
Weight: 6.00Kg

Lumen Output*

Wattage	GP6A	GP6B
30W	4,823lm	3,600lm
50W	5,800lm	6,000lm
60W	6,583lm	7,200lm

* Indicative lumen measured at 4000K, there will be variation in lumen output in relation with CCT, CRI & optics used.

GP7 GardenSCAPE Series

LED ParkWay Luminaire

Performance Summary

- Lumen output: 4,335 – 8,614lm @ 4000K
- Efficacy: Up to 118lm/W
- Ra: >80 (Ra>90 Optional)
- CCT: 2700K –6500K
- Operating temperature: -30°C -+60°C
- Ingress protection: IP65
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- Over voltage, Short circuit & Over temperature protection.
- Dimming options. 1-10V, PWM
- Surge Protection: 6kV integral to driver
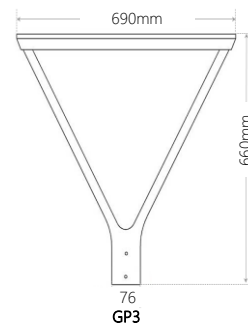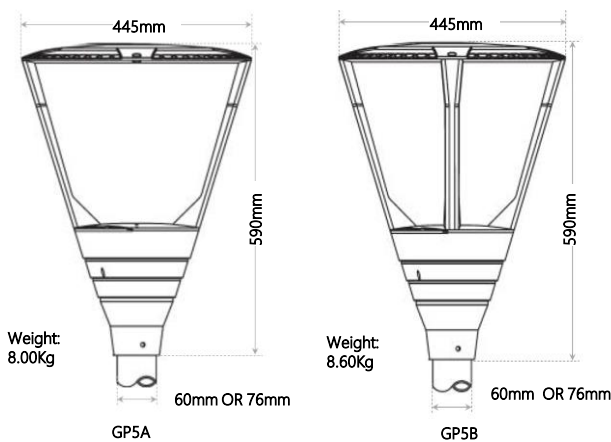- Quick & easy installation.
- Colour: Silver Grey, Black & White

GP7A   GP7B

GP7C

General Information

Model	Series	Wattage	CCT & Ra	Voltage	Controls
GP7A	A	40W	2700K Ra>80 - 6500K Ra>80	100-277Vac 50/60Hz	1-10V Dimming
GP7B		60W			
GP7C		80W			
		95W			

Dimension Details

Model	Ø (mm)	Length (mm)	Weight
GP7A	450	545	9.00kg.
GP7B	450	510	8.75kg.
GP7C	450	620	8.00kg

Lumen Output*

Wattage	GP7A	GP7B	GP7C
40W	4,335lm	4,638lm	4,746lm
60W	5,324lm	5,929lm	6,014lm
80W	6,885lm	7,424lm	7,638lm
95W	7,723lm	8,496lm	8,613lm

* Indicative lumen measured at 4000K, there will be variation in lumen output in relation with CCT, CRI & optics used.

GP7A   GP7B

450mm

545mm

76mm

510mm
450mm

399mm   639mm

76mm

GP7C

620mm

145mm

60mm
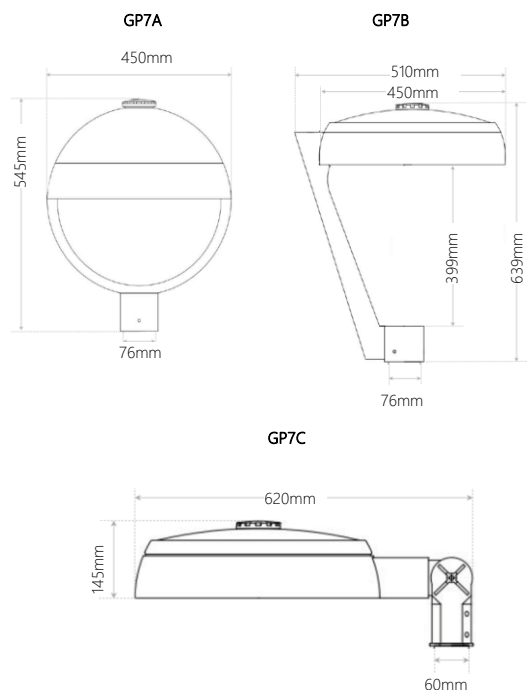
GP8 GardenSCAPE Series

LED ParkWay Luminaire

Performance Summary

- Lumen output: 1,600 – 6,000lm @ 4000K
- Efficacy: Up to 100lm/W
- Ra: >80 (Ra>90 Optional)
- CCT: 2700K –6500K
- Operating temperature: -30°C - +60°C
- Ingress protection: IP65
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- Over voltage, Short circuit & Over temperature protection.
- Dimming options: 1-10V, PWM
- Surge Protection: 6kV integral to driver
- Quick & easy installation.
- Colour: Silver Grey, Black & White

GP8A

GP8B

GP8A-Top view

GP8B-Top view

General Information

Model	Series	Wattage	CCT & Ra	Voltage	Controls
GP8A GP8B	A	30W 40W 60W 80W	2700K Ra>80 - 6500K Ra>80	100-277Vac 50/60Hz	1-10V Dimming

Dimension Details

GP8A

528mm

480mm

Weight: 9.50Kg

GP8B

531mm

Weight: 9.20Kg

611mm

60mm

Lumen Output*

Power	GP8A	GP8B
30W	1,600lm	3,000lm
40W	-	4,000lm
60W	3,600lm	6,000lm
80W	4,800lm	-

* Indicative lumen measured at 4000K, there will be variation in lumen output in relation with CCT, CRI & optics used.

GP9 GardenSCAPE Series
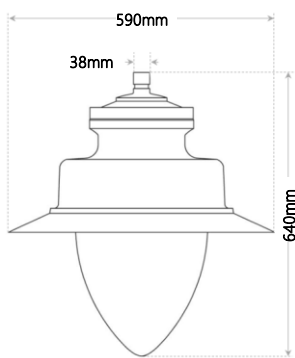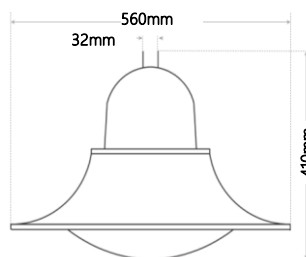
LED ParkWay Luminaire

Performance Summary

- Lumen output: 3,600 – 8,000lm @ 4000K
- Efficacy: Up to 100lm/W
- Ra: >80 (Ra>90 Optional)
- CCT: 2700K –6500K
- Operating temperature: -30°C to 60°C
- Ingress protection: IP65
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- Over voltage, Short circuit & Over temperature protection.
- Dimming options. 1-10V, PWM
- Surge Protection: 6kV integral to driver
- Quick & easy installation.
- Colour: Silver Grey, Black & White

GP9A   GP9B

RoHS CE ⊠ +60°C -30°C IP65

General Information

Model	Series	Wattage	CCT & Ra	Voltage	Controls
GP9A	A	30W	2700K Ra>80 - 6500K Ra>80	100-277Vac 50/60Hz	1-10V Dimming
GP9B		50W			
		60W			
		80W			

Dimension Details

GP9A

490mm
490mm
Weight: 8.80Kg
558mm
76mm

GP9B

490mm
697mm
Weight: 8.20Kg
60mm

Lumen Output*

Power	GP9A	GP9B
30W	3,000lm	3,000lm
50W	5,000lm	5,000lm
60W	6,000lm	6,000lm
80W	8,000lm	8,000lm

* Indicative lumen measured at 4000K, there will be variation in lumen output in relation with CCT, CRI & optics used.
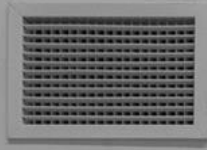
INDOOR – COMMERCIAL & OFFICE LIGHTING

Reliable, energy efficient solution for various indoor lighting applications. Ideally suits for offices, general areas, kitchen, washroom, corridor and other applications

PREMIUM PANEL SERIES

LED Panel – IP20/IP54

Performance Summary

- Lumen output: 3,375 4,860lm
- Efficacy: Up to 135lm/W
- Ra: >80 and >90 (optional)
- CCT: 3000K – 5000K
- Operating Temperature: 0°C to +40°
- Ingress protection: IP20 / IP54
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C

- Dimming option: 0-10V & DALI
- Flicker free illumination. Symmetrical   uniform light distribution.
- Mounting Recessed/ suspended/ flanged/ surface installation options.
- Quick and Easy Installation.
- Colour: White & Aluminum

SAA _optionally_ | RoHS | 50000h | CE | IP20 | +40°C 0°C
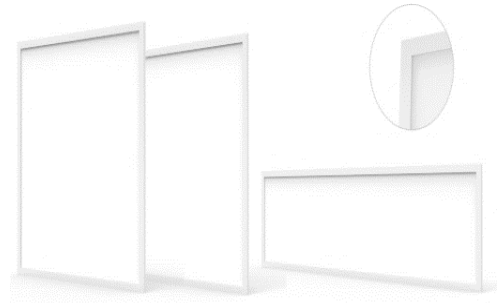
General Information

Model	Series	Diffuser	Wattage	CCT & Ra	Voltage	Controls
PP42	A	PS Polystyrene	50W	3000K Ra80 – 5000K Ra80	100-240Vac 50/60Hz	Non-Dimmable
PP41		PC Polycarbonate	25W		220-240Vac 50/60Hz	1-10V Dimming
PP22			30W			DALI Dimming
PPD22 600 x 600 mm (for Dampa Ceiling)			36W			

Dimension Details

PP42	50W	1195 x 595 mm
PP41	25W – 36W	1195 x 295 mm
PP22	25W – 36W	595 x 595 mm
PPD22	25W – 36W	600 x 600 mm

PP22

595 mm
595 mm
10

PP42

1195 mm
295
10

PP41

1195 mm
295 mm

PPD22

600 mm
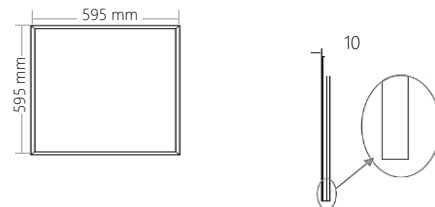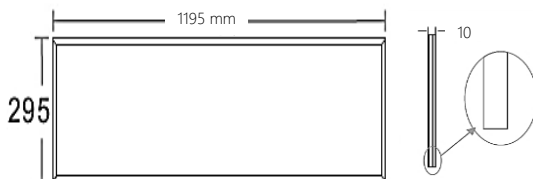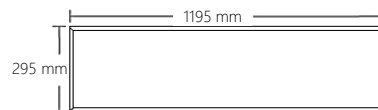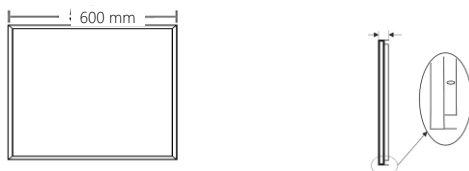
PREMIUM PANEL SERIES

LED Panel – IP65

Performance Summary

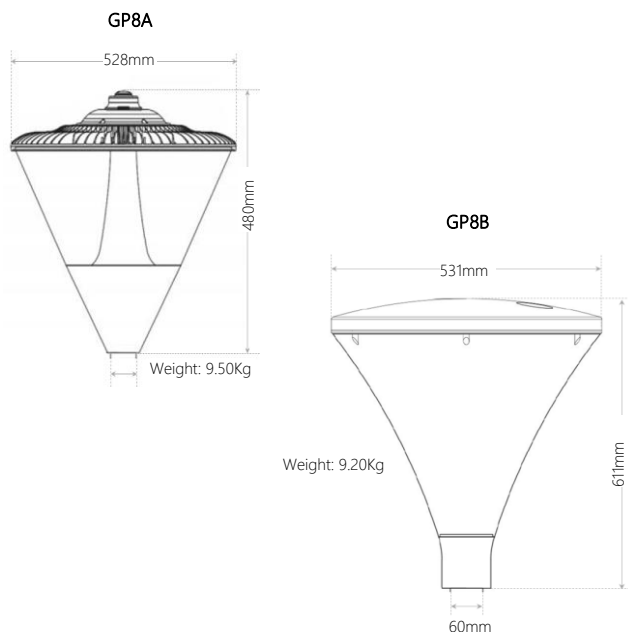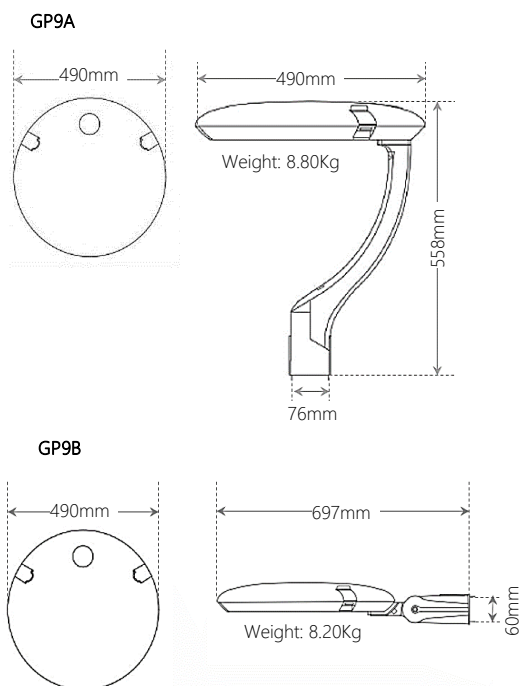- Lumen output: 3,600lm
- Efficacy: Up to 100lm/W
- Ra: >80 and >90 (Optional)
- CCT: 3000K – 6500K
- Operating Temperature: 0°C to +40°
- Ingress protection: IP65
- Colour consistency: <MacAdam Step 6
- Lifetime: >50,000 Hrs.

- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.
- Flicker free illumination, symmetrical uniform distribution
- Mounting: Recessed/ suspended/ flanged/ surface installation options.
- Quick and Easy Installation
- Colour: White & Aluminum
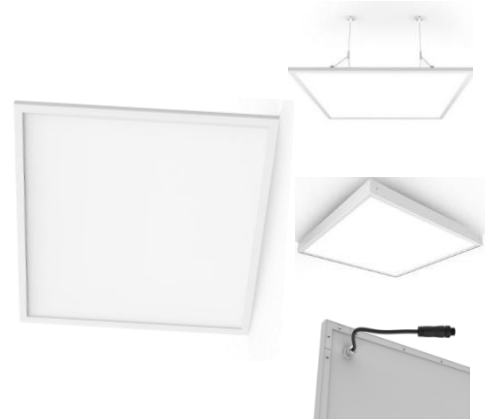
General Information

Model	Series	Wattage	Lumen Ouput	CCT & Ra	Voltage
PP21-IP65	A	22W	2200lm	3000K Ra80	100-240Vac 50/60Hz
PP22-IP65		36W	3600lm	– 6500K Ra80	

Dimension Details

Model	Wattage	Dimension
PP-IP21	22W	595 x 295mm
PP-IP22	36W	595 x 595mm

PP-IP21

595 mm

295 mm

15

PP-IP22

595 mm

595 mm

15
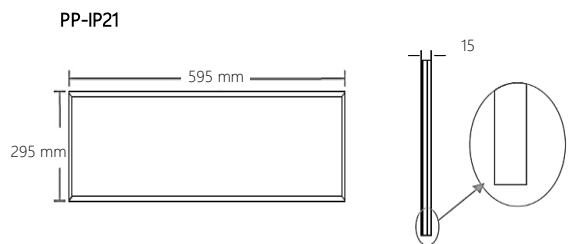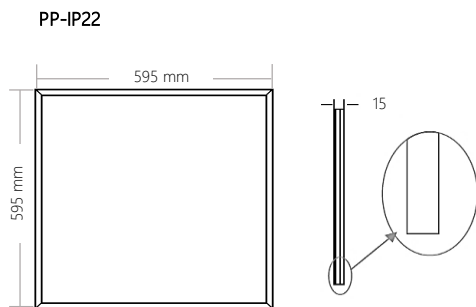
BC SERIES

LED Downlight

Performance Summary

- Lumen output: 900 – 3,500lm
- Efficacy: Up to 100lm/W
- Ra: >80
- CCT: 3000K – 5000K
- Operating Temperature: -10°C to +40°
- Ingress protection: IP20
- Dimming option: 1-10V & DALI
- Warranty: 3 Years. Limited warranty, please contact your local agent for detailed T&C

. • High efficient low profile heatsink facilitate installations in shallow ceilings.
- Symmetrical uniform light distribution.
- Diffused polycarbonate diffuser for high visual comfort.
- Light weight construction for quick & easy installation.
- Colour: Silver Grey & White

General Information

Model	Series	Wattage	CCT & Ra	Voltage	Controls
BC4	A	9W	3000K Ra>80	220-240Vac 50/60Hz	Non-Dimmable
		12W	4000K Ra>80		
		15W	5000K Ra>80		1-10V Dimming
BC6		10W			
		15W			DALI Dimming
		20W			
BC8		25W			
		30W			
		35W			

Dimension Details

Model	Outer Dia (A)	Cutout (B)	Height (H)
BC4 4" Size	Ø125mm	Ø100mm	49.8mm
BC6 6"Size	Ø165mm	Ø140mm	62mm
BC8 8"Size	Ø225mm	Ø200mm	76mm
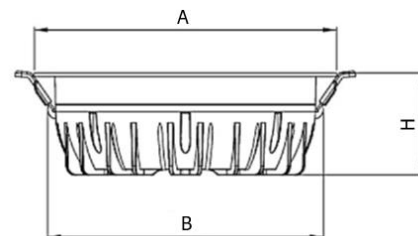
DWP ROUND / SQUARE SERIES

LED Downlight

Performance Summary

- Lumen output: 960 – 3,600lm @ 3000K
- Efficacy: Up to 100lm/W
- Ra: >80
- CCT: 3000K – 5700K
- Colour consistency: SDCM≤3
- Ingress protection: IP65 luminaire housing and IP65 option for driver.
- Operating Temperature: -20ºC to 60ºC
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- High efficient low profile heatsink facilitate installations in shallow ceilings.
- Symmetrical uniform light distribution.
- Light weight construction for quick & easy installation.
- Colour: Polyester powder coated finish in white as standard.

RoHS CE CB 50000h +60ºC -20ºC IP65

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage	Controls
DWPR Round Shape DWPS Square Shape	A	60° Beam Angle	10W 20W 30W 40W	3000K Ra>80 - 5700K Ra>80	100-265Vac 50/60Hz 220-240Vac 50/60Hz	Non-Dimmable 1-10V Dimming

Dimension Details

Model	Round		Square		Height	Lumen
	Outer Dia.– A	Cut out-B	Outer Size A*A	Cut out – B*B		
10W	110mm	90mm	110 * 110mm	90 * 90mm	60mm	960 – 1080lm
20W	130mm	110mm	130*130mm	110*110mm	70mm	1600 – 1800lm
30W	165mm	150mm	165*165mm	150*150mm	80mm	2400-2700lm
40W	225mm	200mm	225*225mm	200*200mm	90mm	3200-3600lm
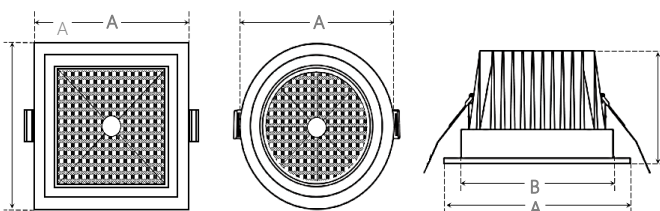
RETX SERIES

LED Downlight

Performance Summary

- Lumen output: 1,200 – 6,000lm
- Efficacy: Up to 100lm/W
- Ra: >80
- CCT: 3000K – 5000K
- Operating Temperature: 0°C to +35°C
- Ingress protection: IP20
- Dimming option: 1-10V
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- Diffusing polycarbonate lens for greater visual comfort.
- Integral thermal management system.
- Quick connector and prewired flex conduit for quick and easy installation.
- Colour: Silver & White

General Information

Model	Series	Wattage	Lumen Output	CCT & Ra	Voltage	Controls
RETX150	A	12W	1200lm	3000K Ra>80	100-277Vac 50/60Hz	1-10V Dimming
		18W	1800lm	4000K Ra>80		
		24W	2400lm	5000K Ra>80		
RETX200		12W	1200lm			
		18W	1800lm			
		24W	2400lm			
		30W	3000lm			
RETX250		18W	1800lm			
		24W	2400lm			
		30W	3000lm			
		50W	5000lm			
RETX300		45W	4500lm			
		60W	6000lm			

Dimension

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
RETX150	198.0	149.0	144.0	54.0	96.6
RETX200	235.0	190.5	160.0	60.0	106.0
RETX250	273.0	238.5	200.0	80.0	156.5
RETX300	330.0	290.5	200.0	80.0	156.5
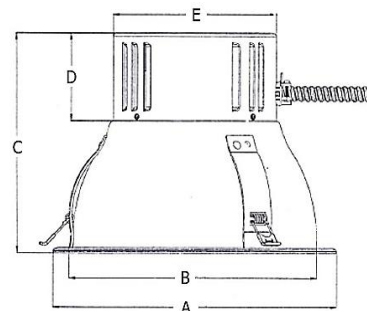
RETX-ADJ SERIES

Power & CCT Adjustable LED Downlight

Performance Summary

- Lumen output: 510 – 4,250lm
- Efficacy: Up to 85lm/W
- Ra: >80 & Optional Ra>90
- CCT: 3000K , 3500K & 4000K (Selectable)
- Ingress protection: IP40
- Lifetime: >50,000 Hrs.
- Warranty: 5 Years. Limited warranty, please contact your local agent for detailed T&C.

- Dimming option: 1-10V
- Luminaire is complete with remote electronic driver
- Integral thermal management system.
- Quick connector and prewired flex conduit for Quick and easy installation.
- Colour: Silver and White

General Information

Model	Series	Wattage	CCT	Ra	Voltage	Controls
RETX100 4" Dia	B	S* 6W / 7.5W / 11.5W	3K4K Field Selectable CCT 3000K-3500K-400K	Ra>80 Ra>90	100-277Vac 50/60Hz	1-10V Dimming
RETX150 6" Dia		S* 6W / 7.5W / 11.5W				
		M* 15W / 23W / 30W	30K 3000K Preset			
RETX200 8" Dia		S* 6W / 7.5W / 11.5W	35K 3500K Preset			
		M* 15W / 23W / 30W				
		L* 37W / 42W / 50W	4000K 4000K Preset			
RETX250 10" Dia		M* 15W / 23W / 30W				
		L* 37W / 42W / 50W				

Dimension Details

Model	A (mm)	B(mm)	C (mm)
RETX100	150.0	97.0	111.5
RETX150	195.0	145.0	149.5
RETX200	235.0	197.0	153.5
RETX250	273.0	238.5	200.0

OYC / OYS OYSTER ROUND & SQUARE SERIES

LED Downlight

Performance Summary

- Lumen output: 1,320 – 2,750lm
- Efficacy: Up to 110lm/W
- Ra: >80
- CCT: 3000K – 6000K
- Colour consistency: SDCM<3
- Ingress protection: IP54
- Impact Resistance: IK10
- Operating Temperature: -40ºC to 50ºC

- Warranty: 3 Years. Limited warranty, please contact your local agent for detailed T&C.
- The choice of multiple dimming option and sensors facilitate the intelligent/smart control adapting to the environment and addresses energy conservation.
- Facilitate quick & easy installation with press release mounting brackets.
- Wall mounted and Surface mounted.

RoHS | CE | +50ºC -40ºC | IP54

General Information

Model	Series	Optic	Wattage	CCT & Ra	Voltage	Controls
OYC Circular OYS Square	A	20º Beam Angle	**S** 12W **M** 18W **L** 25W **ADJ*** 13W/18W/24W (only available in "M" size fixture	3000K Ra>80 - 6000K Ra>80 **SCT** – Field adjustable colour temperature (Dip Switch)	220-240V 50/60Hz	Non-dimmable Triac Dimming DALI Dimming Motion Sensor

Dimension Details

Model	Wattage	Size (mm) Ø	H	Weight
OYC	12W	220Ø		0.45kg
	18W	280Ø	48	0.70kg
	25W	330Ø		0.85kg

Model	Wattage	L (mm)	B (mm)	H (mm)	Weight
OYS	12W	220	220		0.45kg
	18W	280	280	48	0.70kg
	25W	330	330		0.85kg

B. Downlight, Linear & Track Luminaire Specification Section

CLASSIC SERIES
LED Recessed Spotlight

Product No.: A2020

CLASSIC SERIES   Product No.: A2020

LED Recessed Spotlight

Classic series recessed spotlight, delicate body design, die-cast aluminum body with electrostatic powder coating. Being combined with high CRI / high lumen chip, precise optical lens, secondary chromed reflector and anti-glare structure, it provides an excellent optical and antiglare effect. With adjustable body structure and simple stainless steel clips the luminaires are installed and uninstalled easily & quickly.

The luminaires are suitable for application with standard height ceilings and high illuminance requirements with anti-glare and wall washer performance, like hotels, villas and galleries etc. 4 watt to 20 watt outputs with wall wash capability. Round and square overlap trims available in 3 different body sizes.

A2020C-SM	A2020C-M	A2020C-L
P113	P114	P115

A2020C-SM-T	A2020C-M-T	A2020C-L-T
P113	P114	P115

A2020S-SM	A2020S-M	A2020S-L
P117	P118	P119

A2020S-SM-T	A2020S-M-T	A2020S-L-T
P117	P118	P119

CLASSIC SERIES

LED Recessed Spotlight

Product No.: A2020

| | Excellent Thermal Management | | Installation of overlap trim | **NON** DIMMABLE | Non dimmable | **DALI** DIMMING | DALI dimming |

Excellent Thermal Management

Different light optics

Different colour temperatures

Installation of overlap trim

Mid to high range CRI technology

Protection class IP20

NON DIMMABLE — Non dimmable

TRIAC DIMMING — TRIAC dimming

1-10V DIMMING — 1-10V dimming

DALI DIMMING — DALI dimming

PoE — Power over Ethernet

IoT

CLASSIC SERIES

LED Recessed Spotlight

Product No.: A2020

A2020C-SM   A2020C-SM-T
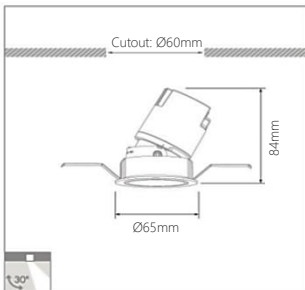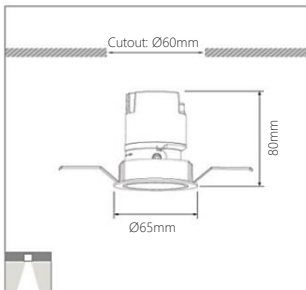
Cutout: Ø60mm

80mm

Ø65mm

Cutout: Ø60mm

84mm

Ø65mm

30°

Optional honeycomb louvre

Material: ADC12 Aluminum, PC chromed reflector, SUS301 Stainless steel clips

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K , 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

Light Source: LED, 4~7W COB

Luminaire Power: 7W

Delivered lumen: 440lm @ 3000K & >Ra90
                484lm @ 3000K & >Ra80

Beam angle: 18°, 24° & 36°

Cutoff angle: 30°

Light distribution

Intensity distribution

18° 7W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	2325.06	0.37/0.28	0.1	1495.52
2.0	581.27	0.74/0.57	0.4	373.88
3.0	258.34	1.11/0.85	0.9	166.17
4.0	145.32	1.48/1.13	1.7	93.47
5.0	93.00	1.85/1.41	2.6	59.82

24° 7W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1923.02	0.48/0.39	0.2	1159.25
2.0	480.76	0.96/0.79	0.7	289.81
3.0	213.67	1.45/1.18	1.5	128.81
4.0	120.19	1.93/1.58	2.8	72.45
5.0	76.92	2.41/1.97	4.3	46.37

36° 7W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1168.58	0.69/0.62	0.4	572.50
2.0	292.14	1.38/1.23	1.4	143.12
3.0	129.84	2.07/1.85	3.3	63.61
4.0	73.04	2.76/2.46	5.8	35.78
5.0	46.74	3.45/3.08	9.0	22.90

CLASSIC SERIES

LED Recessed Spotlight

Product No.: A2020

A2020C-M

A2020C-M-T
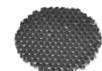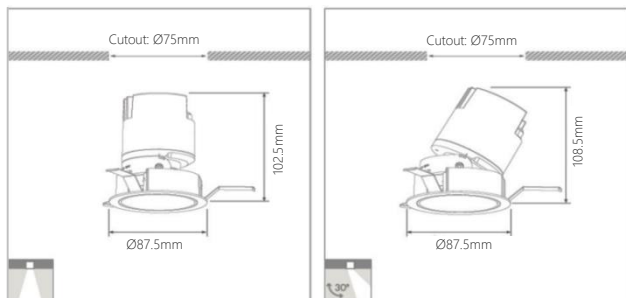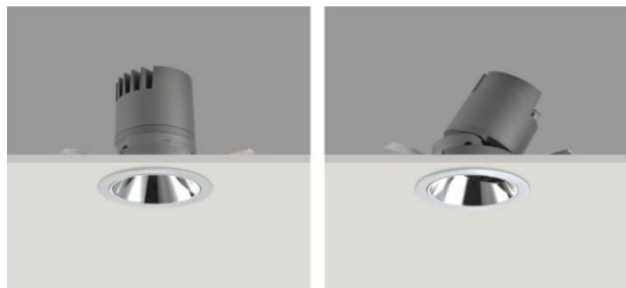
Cutout: Ø75mm

102.5mm

Ø87.5mm

Cutout: Ø75mm

108.5mm

Ø87.5mm

30°

Optional honeycomb louvre

Material: ADC12 Aluminum, PC chromed reflector, SUS301 Stainless steel clips

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

Light Source: LED, 7~12W COB

Luminaire Power: 12W

Delivered lumen: 850lm @ 3000K & >Ra90
                          940lm @ 3000K & >Ra80

Beam angle: 20°, 30° & 38°

Cutoff angle: 30°

Light distribution

0.4m

1.5m   1.5m

38°   30°   20°

2.8m

Intensity distribution

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
20°	1.0	3883.84	0.42/0.34	0.1	2425.98
	2.0	970.96	0.83/0.68	0.5	606.49
	3.0	431.54	1.25/1.02	1.2	269.55
	4.0	242.74	1.66/1.36	2.1	151.62
12W	5.0	155.35	2.08/1.70	3.3	97.04

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
30°	1.0	2340.34	0.51/0.60	0.3	1237.31
	2.0	585.09	1.03/1.21	1.1	309.33
	3.0	260.04	1.54/1.81	2.5	137.48
	4.0	146.27	2.05/2.42	4.4	77.33
12W	5.0	93.61	2.56/3.02	6.9	49.49

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
38°	1.0	2031.75	0.74/0.64	0.4	952.80
	2.0	507.94	1.48/1.29	1.6	238.20
	3.0	225.75	2.22/1.93	3.7	105.87
	4.0	126.98	2.96/2.58	6.6	59.55
12W	5.0	81.27	3.70/3.22	10.3	38.11
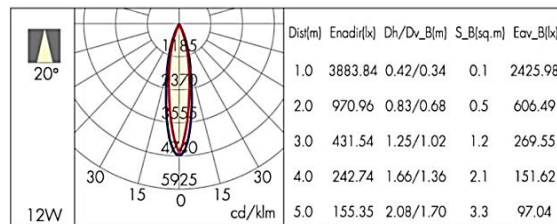
CLASSIC SERIES

LED Recessed Spotlight

Product No.: A2020

A2020C-L

A2020C-L-T

Cutout: Ø100mm

121.5mm

Ø110mm

Cutout: Ø100mm

130.5mm

Ø110mm

30°

Optional honeycomb louvre

Material: ADC12 Aluminum, PC chromed reflector, SUS301 Stainless steel clips

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K , 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

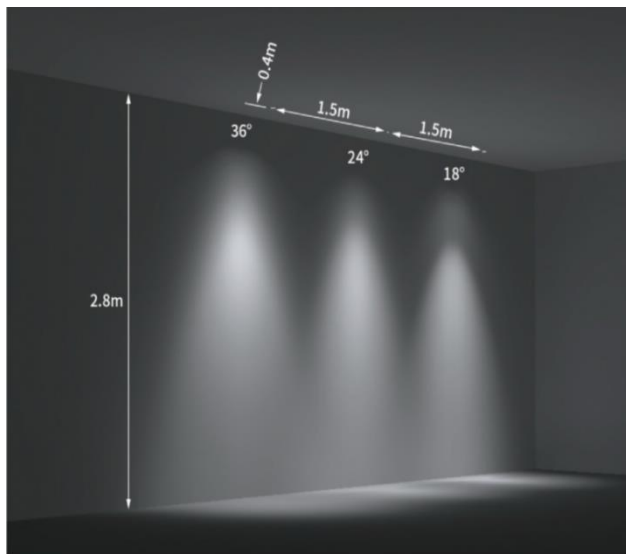Light Source: LED, 12~20W COB

Luminaire Power: 20W

Delivered lumen: 1100lm @ 3000K & >Ra90
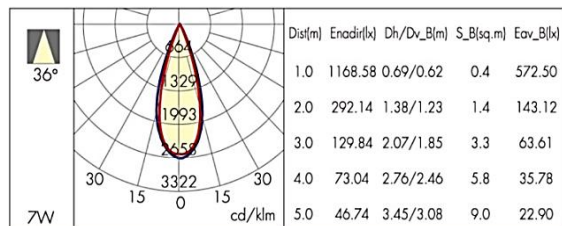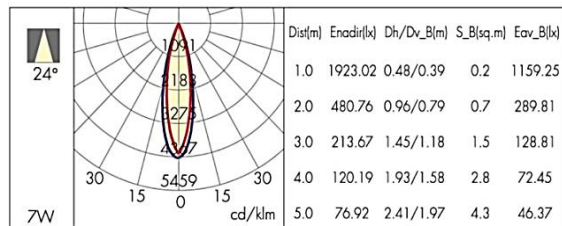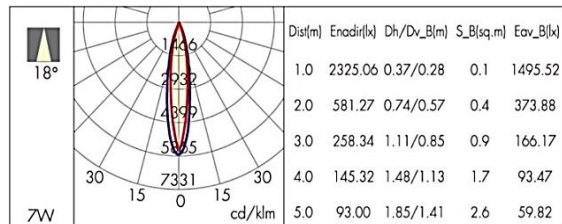   1250lm @ 3000K & >Ra80

Beam angle: 15°, 25° & 33°

Cutoff angle: 30°

Light distribution

0.4m

1.5m   1.5m

33°   25°   15°

2.8m

Intensity distribution

15°

20W

2249
5093
7647
10197
12746
30   30
15   0   15
cd/klm

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	9681.40	0.26/0.26	0.1	6920.13
2.0	2420.35	0.53/0.52	0.2	1730.03
3.0	1075.71	0.79/0.79	0.5	768.90
4.0	605.09	1.05/1.05	1.0	432.51
5.0	387.26	1.32/1.31	1.5	276.81

25°

20W

1159
2318
3477
4636
5795
30   30
15   0   15
cd/klm

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	5332.22	0.45/0.45	0.2	3354.70
2.0	1333.06	0.89/0.89	0.7	838.68
3.0	592.47	1.34/1.34	1.5	372.74
4.0	333.26	1.78/1.78	2.6	209.67
5.0	213.29	2.23/2.23	4.1	134.19

33°

20W

808
1617
2426
3235
4044
30   30
15   0   15
cd/klm

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	3407.33	0.61/0.60	0.3	1814.97
2.0	851.83	1.22/1.21	1.2	453.74
3.0	378.59	1.84/1.81	2.7	201.66
4.0	212.96	2.45/2.42	4.7	113.44
5.0	136.29	3.06/3.02	7.4	72.60

CLASSIC SERIES

LED Recessed Spotlight

A2020S-SM

A2020S-SM-T

Cutout: 60x60mm

80mm

65x65mm

Cutout: 60x60mm

84mm

65x65mm

30°

Optional honeycomb louvre

Material: ADC12 Aluminum, PC chromed reflector, SUS301 Stainless steel clips

Finish: Electrostatic powder coating

☐ White ■ Black ■ Grey

CCT: 3000K , 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

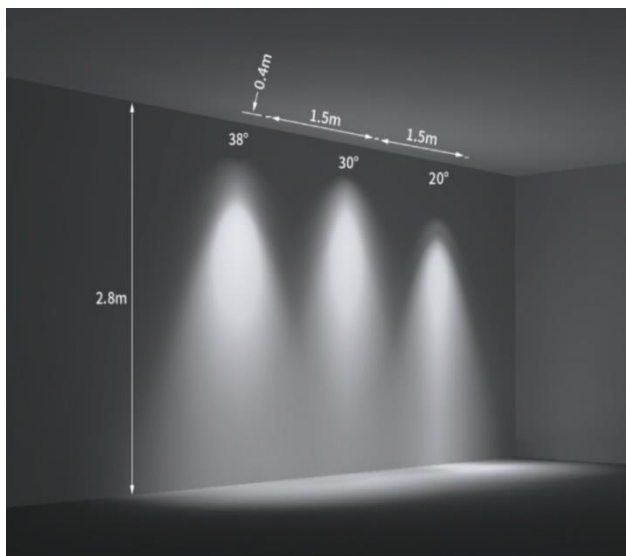Driver: Remote, constant current

Light Source: LED, 4~7W COB

Luminaire Power: 7W

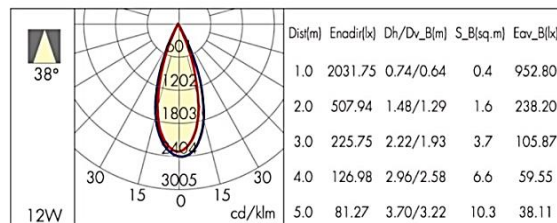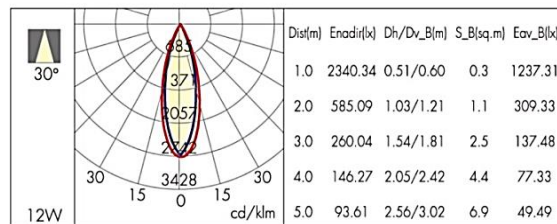Delivered lumen: 440lm @ 3000K & >Ra90
480lm @ 3000K & >Ra80

Beam angle: 18°, 24° & 36°

Cutoff angle: 30°

Light distribution

0.4m

1.5m 1.5m

36° 24° 18°

2.8m

Intensity distribution

18° 7W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	1.0	2325.06	0.37/0.28	0.1	1495.52
	2.0	581.27	0.74/0.57	0.4	373.88
	3.0	258.34	1.11/0.85	0.9	166.17
	4.0	145.32	1.48/1.13	1.7	93.47
	5.0	93.00	1.85/1.41	2.6	59.82

24° 7W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	1.0	1923.02	0.48/0.39	0.2	1159.25
	2.0	480.76	0.96/0.79	0.7	289.81
	3.0	213.67	1.45/1.18	1.5	128.81
	4.0	120.19	1.93/1.58	2.8	72.45
	5.0	76.92	2.41/1.97	4.3	46.37

36° 7W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	1.0	1168.58	0.69/0.62	0.4	572.50
	2.0	292.14	1.38/1.23	1.4	143.12
	3.0	129.84	2.07/1.85	3.3	63.61
	4.0	73.04	2.76/2.46	5.8	35.78
	5.0	46.74	3.45/3.08	9.0	22.90

CLASSIC SERIES

LED Recessed Spotlight

Product No.: A2020

A2020S-M

A2020S-M-T
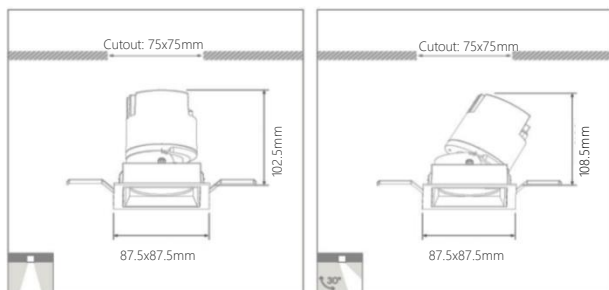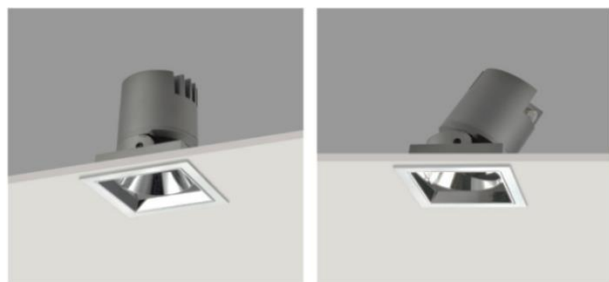
Cutout: 75x75mm

Cutout: 75x75mm

102.5mm

108.5mm

87.5x87.5mm

87.5x87.5mm

Optional honeycomb louvre

Material: ADC12 Aluminum, PC chromed reflector, SUS301 Stainless steel clips

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

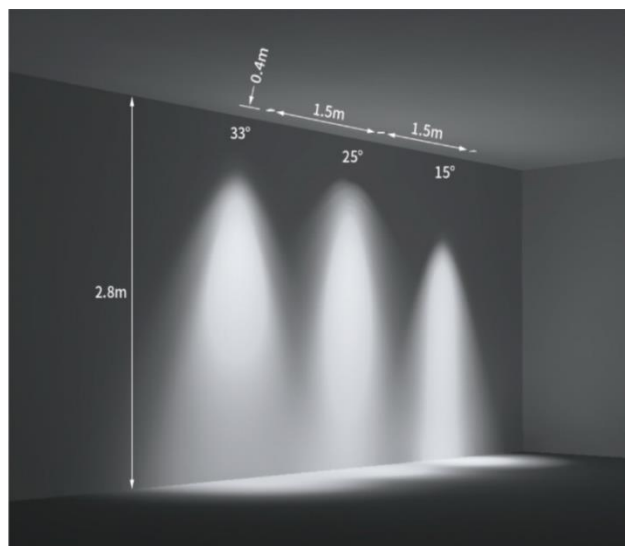Driver: Remote, constant current

Light Source: LED, 7~12W COB

Luminaire Power: 12W

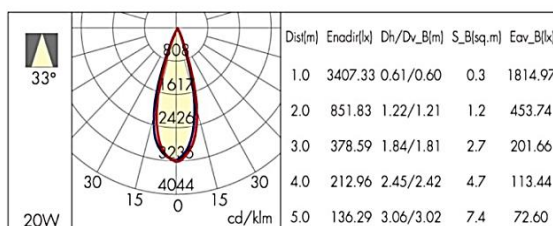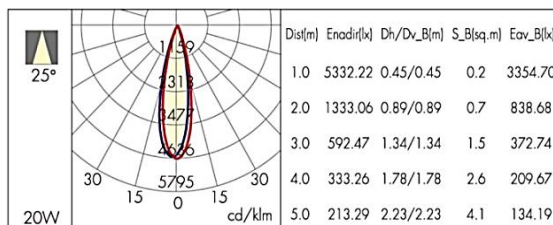Delivered lumen: 850lm @ 3000K & >Ra90
                 940lm @ 3000K & >Ra80

Beam angle: 20°, 30° & 38°

Cutoff angle: 30°

Light distribution

Intensity distribution

20° 12W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	1.0	3883.84	0.42/0.34	0.1	2425.98
	2.0	970.96	0.83/0.68	0.5	606.49
	3.0	431.54	1.25/1.02	1.2	269.55
	4.0	242.74	1.66/1.36	2.1	151.62
	5.0	155.35	2.08/1.70	3.3	97.04

30° 12W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	1.0	2340.34	0.51/0.60	0.3	1237.31
	2.0	585.09	1.03/1.21	1.1	309.33
	3.0	260.04	1.54/1.81	2.5	137.48
	4.0	146.27	2.05/2.42	4.4	77.33
	5.0	93.61	2.56/3.02	6.9	49.49

38° 12W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	1.0	2031.75	0.74/0.64	0.4	952.80
	2.0	507.94	1.48/1.29	1.6	238.20
	3.0	225.75	2.22/1.93	3.7	105.87
	4.0	126.98	2.96/2.58	6.6	59.55
	5.0	81.27	3.70/3.22	10.3	38.11

CLASSIC SERIES

LED Recessed Spotlight

Product No.: A2020

A2020S-L

A2020S-L-T
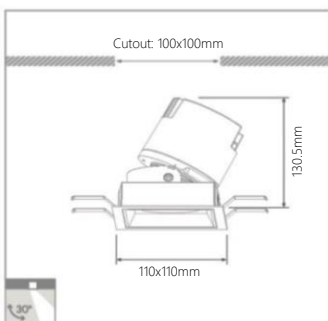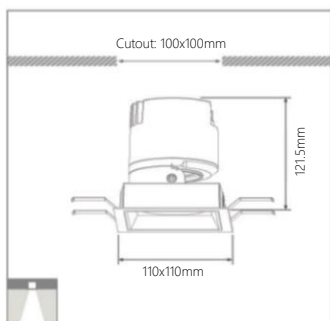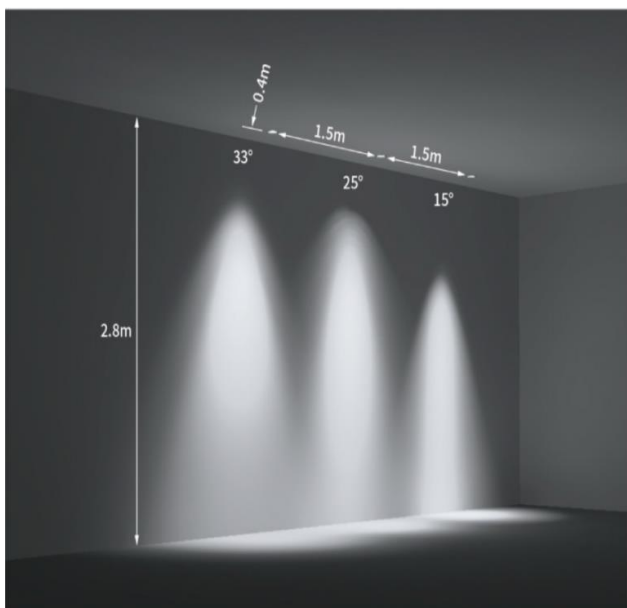
Cutout: 100x100mm

121.5mm

110x110mm

Cutout: 100x100mm

130.5mm

110x110mm

30°

Optional honeycomb louvre

Material: ADC12 Aluminum, PC chromed reflector, SUS301 Stainless steel clips

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

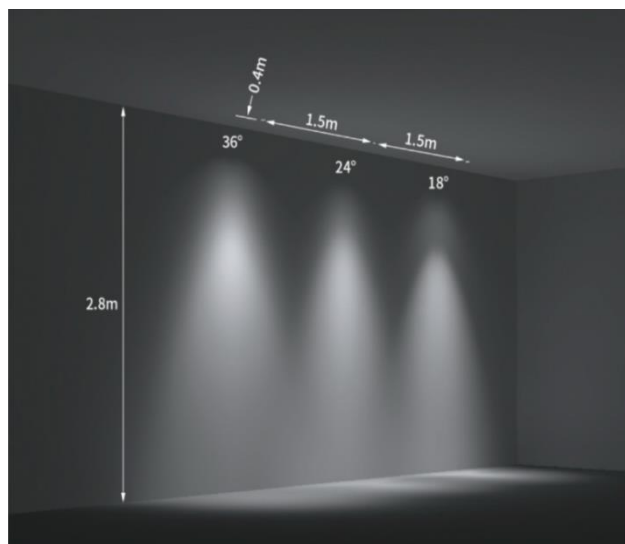Driver: Remote, constant current

Light Source: LED, 12~20W COB

Luminaire Power: 20W

Delivered lumen: 1100lm @ 3000K & >Ra90
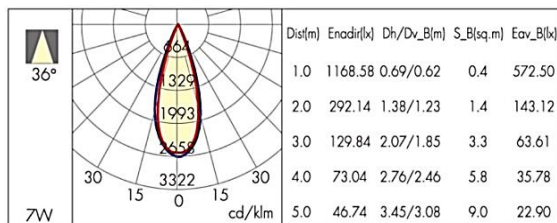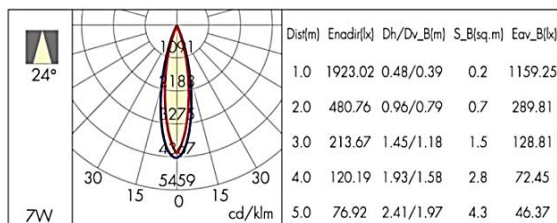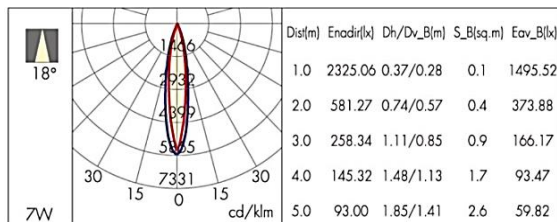   1250lm @ 3000K & >Ra80

Beam angle: 15°, 25° & 33°

Cutoff angle: 30°

Light distribution

0.4m

1.5m   1.5m

33°

25°   15°

2.8m

Intensity distribution

15° / 20W

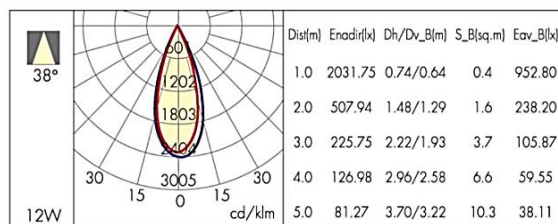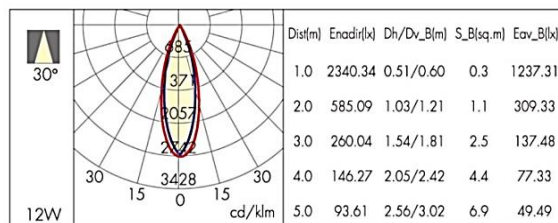| Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	9681.40	0.26/0.26	0.1	6920.13
2.0	2420.35	0.53/0.52	0.2	1730.03
3.0	1075.71	0.79/0.79	0.5	768.90
4.0	605.09	1.05/1.05	1.0	432.51
5.0	387.26	1.32/1.31	1.5	276.81

2349
5093
7647
10197
12746
30   15   0   15   30   cd/klm

25° / 20W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	5332.22	0.45/0.45	0.2	3354.70
2.0	1333.06	0.89/0.89	0.7	838.68
3.0	592.47	1.34/1.34	1.5	372.74
4.0	333.26	1.78/1.78	2.6	209.67
5.0	213.29	2.23/2.23	4.1	134.19

1159
2318
3477
4636
5795
30   15   0   15   30   cd/klm

33° / 20W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	3407.33	0.61/0.60	0.3	1814.97
2.0	851.83	1.22/1.21	1.2	453.74
3.0	378.59	1.84/1.81	2.7	201.66
4.0	212.96	2.45/2.42	4.7	113.44
5.0	136.29	3.06/3.02	7.4	72.60

808
1617
2426
3235
4044
30   15   0   15   30   cd/klm

PRIME SERIES
LED Recessed Spotlight

PRIME SERIES   Product No.: B2120

LED Recessed Spotlight

Prime series recessed downlight, delicate body design, die-cast aluminum body with electrostatic powder coating. Being combined with high CRI / high lumen chip, chromed reflector, anti-glare structure and frosted acrylic diffuser it presents a low and high illuminance. With exquisite stainless steel clip, the luminaire are installed or uninstalled easily.

The luminaires are suitable for the application with standard-height ceiling and high requirement on anti-glare performance, and illuminance, like hotels restaurants, offices, hospitals & shopping malls etc. Range of fixtures are 12W, 18W, 25W, 36W and complete with overlap trims. Available in 4 sizes.

B2120C-SM	B2120C-M	B2120C-L	B2120C-XL
P123	P124	P125	P126

IoT

Excellent Thermal Management	Installation of overlap trim	Non dimmable	DALI dimming
Different light optics	Mid to high range CRI technology	TRIAC dimming	Power over Ethernet
Different colour temperatures	Protection class IP20	1-10V dimming	

PRIME SERIES

LED Recessed Spotlight

Product No.: B2120

B2120C-SM

Material: ADC12 Aluminum, PMMA diffuser, Aluminum reflector

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

Light Source: 2835 SMD LED

Luminaire Power: 12W

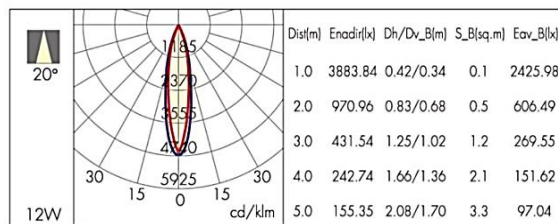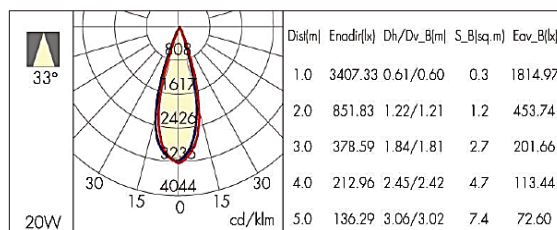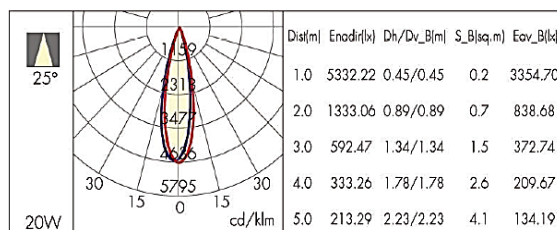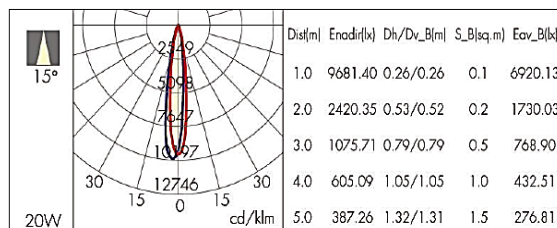Delivered lumen: 750lm @ 3000K & >Ra90
                 825lm @ 3000K & >Ra80

Beam angle: 105°

Cutout: Ø125mm

95mm

Ø140mm

Light distribution

0.85m

1.5m   1.5m

2.8m

Intensity distribution

105°

12W

96
192
288
384
480
30   30
15   15
0
cd/klm

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	72.43	5.15/5.12	20.1	19.14
4.0	18.11	10.31/10.25	80.4	4.78
6.0	8.05	15.46/15.37	180.9	2.13
8.0	4.53	20.61/20.49	321.7	1.20
10.0	2.90	25.77/25.62	502.6	0.77

PRIME SERIES

LED Recessed Spotlight

B2120C-M

Material: ADC12 Aluminum, PMMA diffuser, Aluminum reflector

Finish: Electrostatic powder coating

☐ White ■ Black ■ Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

Light Source: 2835 SMD LED

Luminaire Power: 18W

Delivered lumen: 1250lm @ 3000K & >Ra90
1375lm @ 3000K & >Ra80

Beam angle: 105°

Cutout: Ø140mm

95mm

Ø160mm

Light distribution

0.85m

1.5m

1.5m

2.8m

Intensity distribution

105°

18W

95
190
285
380
475
30   30
15 0 15
cd/klm

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	120.33	6.34/6.22	24.84	31.27
4.0	30.08	12.67/12.43	99.6	7.82
6.0	13.37	19.01/18.64	224.04	3.48
8.0	7.52	25.34/24.85	398.16	1.96
10.0	4.81	31.68/31.07	622.2	1.25

PRIME SERIES
LED Recessed Spotlight

Product No.: B2120

B2120C-L

Material: ADC12 Aluminum, PMMA diffuser, Aluminum reflector

Finish: Electrostatic powder coating

White   Black   Grey

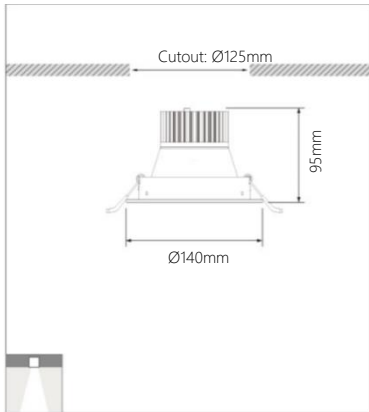CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

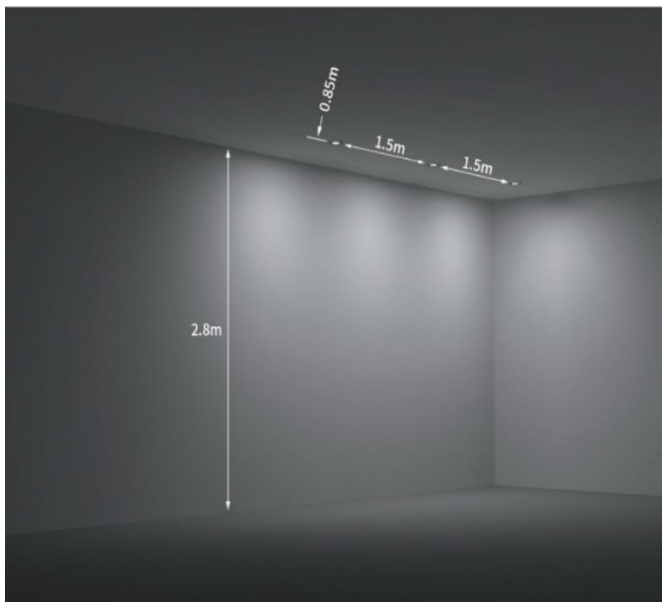Driver: Remote, constant current

Light Source: 2835 SMD LED

Luminaire Power: 25W

Delivered lumen: 2000lm @ 3000K & >Ra90
                2200lm @ 3000K & >Ra80

Beam angle: 105°

Cutout: Ø165mm

110mm

Ø180mm

Light distribution

1m
1.5m
1.5m

2.8m

Intensity distribution

105°

101
203
305
407
509

30   30
  15   15
     0

25W   cd/klm

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	196.64	5.03/5.03	19.8	54.09
4.0	49.16	10.05/10.05	79.4	13.52
6.0	21.85	15.08/150.8	178.6	6.01
8.0	12.29	20.11/20.10	317.5	3.38
10.0	7.87	25.13/25.13	496.1	2.16

PRIME SERIES

Product No.: B2120

LED Recessed Spotlight

B 2 1 2 0 C - X L

Material: ADC12 Aluminum, PMMA diffuser, Aluminum reflector

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K,4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

Light Source: 2835 SMD LED

Luminaire Power: 36W

Delivered lumen: 2700lm @ 3000K & >Ra90
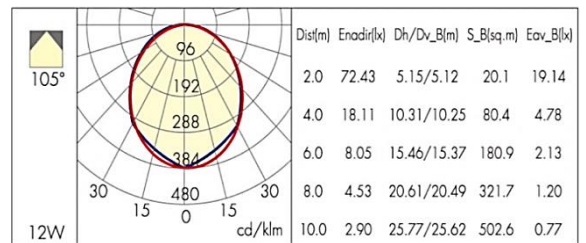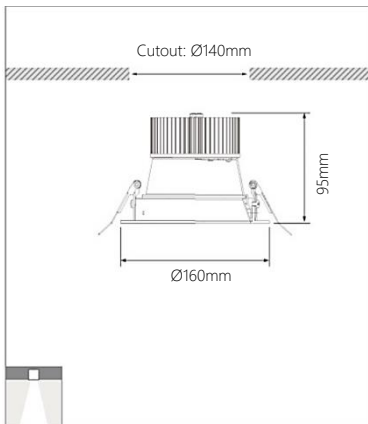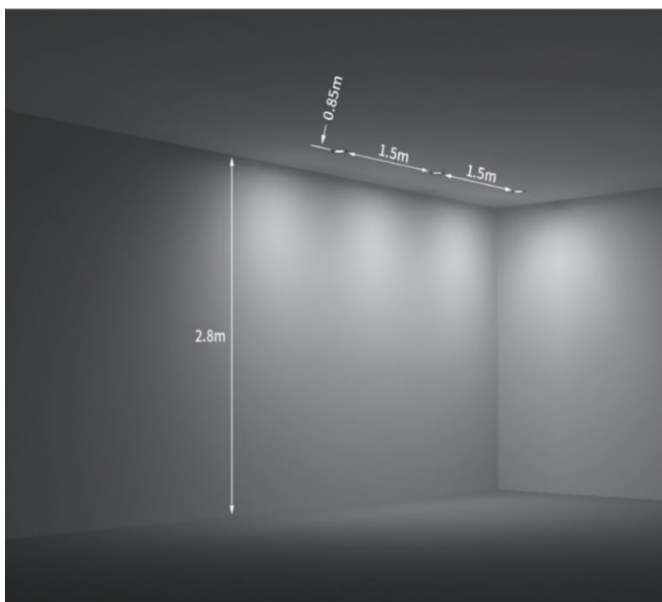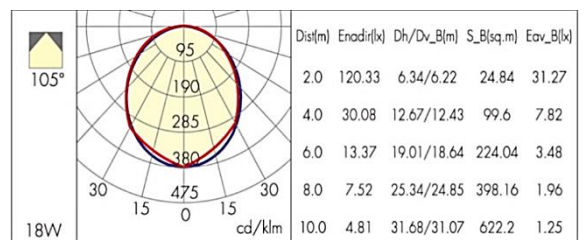   2900lm @ 3000K & >Ra80

Beam angle: 105°

Cutout: Ø215m

130mm

Ø230mm

Light distribution

2.8m

1m

1.8m

1.8m

Intensity distribution

105°

94

188

282

376

30   30
   15   15
      0

470

36W   cd/klm

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	256.24	5.31/5.37	22.0	64.23
4.0	64.06	10.62/10.74	88.2	16.06
6.0	28.47	15.93/16.11	198.4	7.14
8.0	16.02	21.25/21.47	352.8	4.01
10.0	10.25	26.56/26.84	551.2	2.57

MULTI SERIES
LED Recessed Grille Spotlight
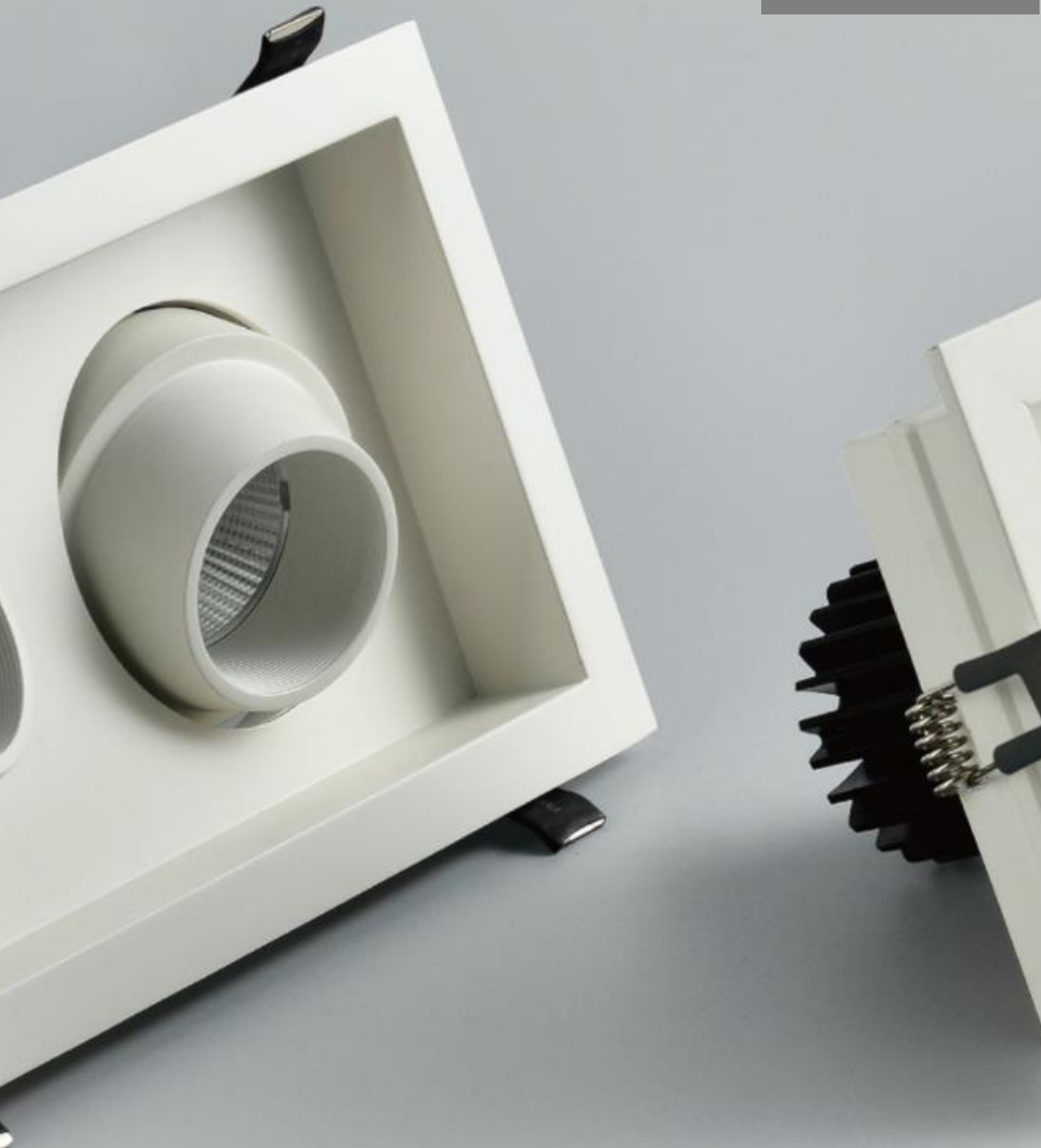
MULTI SERIES   Product No.:C2220

LED Recessed Grille Spotlight

Square series recessed downlight, form body design, die-cast aluminum housing with electrostatic powder coating. Being combined with high CRI / high lumen chip, chromed reflector, anti-glare structure, with half-frosted tempered glass diffuser or honeycomb as options, it shows excellent optics and superior anti-glare performance. With a simple stainless steel clip, the luminaire are installed or uninstalled easily.

The luminaires are suitable for the public area requiring high illuminance and anti-glare performance, like hotels, restaurants, villas, shopping malls, boutiques etc. And 36 watt high output illuminance in overlap trims. Combination rectangular with spot and multiple optics choices.

C2220-M-1	C2220-M-2	C2220-M-3
P130	P131	P132

C2220-L-1	C2220-L-2	C2220-L-3
P134	P135	P136

IoT

Excellent Thermal Management	Installation of overlap trim	Non dimmable	DALI dimming
Different light optics	Mid to high range CRI technology	TRIAC dimming	Power over Ethernet
Different colour temperatures	Protection class IP20	1-10V dimming	

MULTI SERIES

LED Recessed Grille Spotlight

C2220-M-1

Material: ADC12 Aluminum, PC chromed reflector, anti-glare ring & stainless steel clips

Finish: Electrostatic powder coating

| | White | | Black | | Grey |

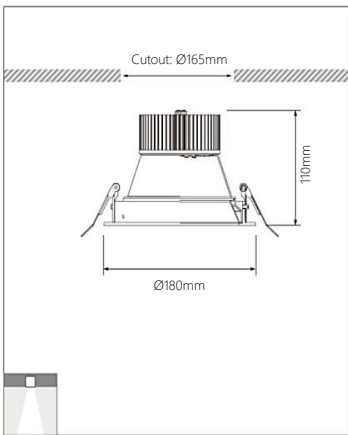CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

Light Source: COB LED

Luminaire Power: 14W

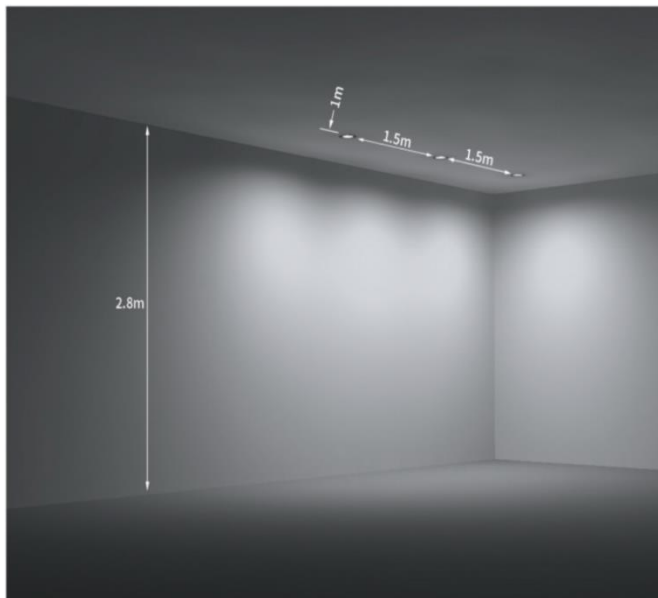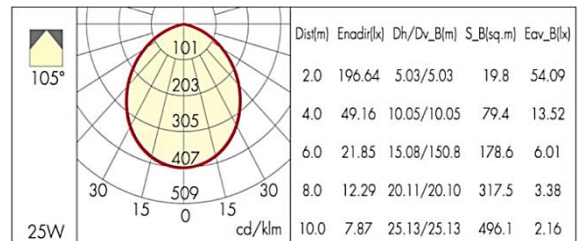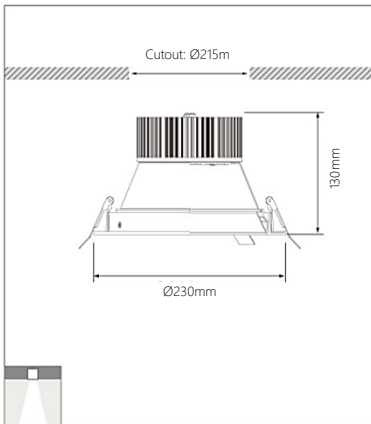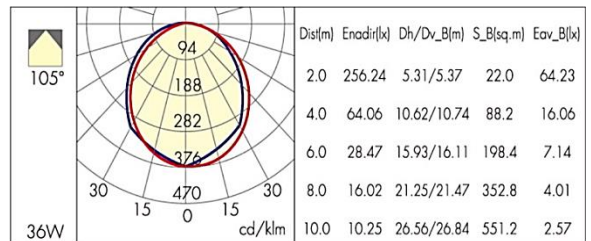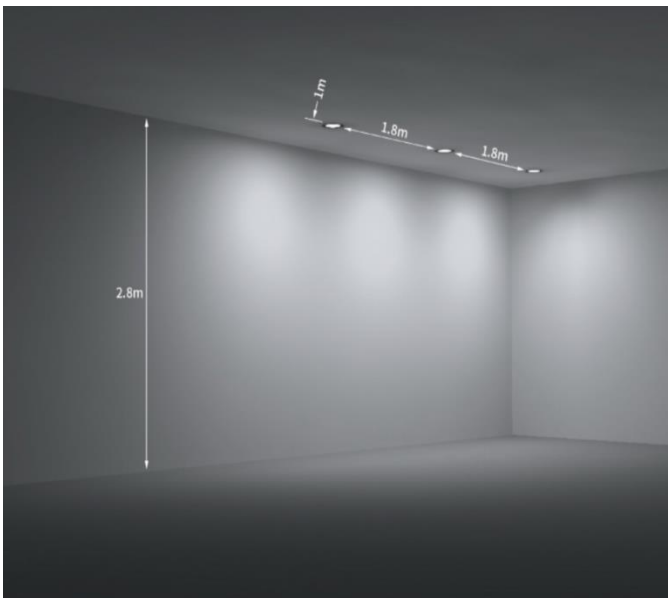Delivered lumen: 1000lm @ 3000K & >Ra90
1100lm @ 3000K & >Ra80

Beam angle: 15°, 24° & 38°

Cutoff angle: 30°

Rotation: 360°

Cutout: 115x115mm

108mm

130mm

130mm

30°
360°

Intensity distribution

15° 14W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	7234.87	0.35/0.28	0.1	4773.97
2.0	1808.72	0.70/0.55	0.4	1193.49
3.0	803.87	1.05/0.83	0.8	530.44
4.0	452.18	1.39/1.10	1.5	298.37
5.0	289.39	1.74/1.38	2.3	190.96

1504
1009
454
609
7524
cd/klm

24° 14W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	5085.51	0.46/0.47	0.2	3155.28
2.0	1271.38	0.93/0.94	0.7	788.92
3.0	565.06	1.39/1.41	1.6	350.59
4.0	317.84	1.85/1.88	2.8	197.21

1083
2167
3250
4334
5418
cd/klm

38° 14W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	2840.60	0.74/0.75	0.4	1344.30
2.0	710.15	1.49/1.49	1.8	336.08
3.0	315.62	2.23/2.24	4.0	149.37
4.0	177.54	2.98/2.99	7.0	84.02

567
1135
1703
2271
2839
cd/klm

Light distribution

0.4m

1.5m

1.5m

38°

24°

15°

2.8m

MULTI SERIES

LED Recessed Grille Spotlight

Product No.:C2220

C2220-M-2

Material: ADC12 Aluminum, PC chromed reflector, anti-glare ring, Stainless steel clips

Finish: Electrostatic powder coating

☐ White   ■ Black   ■ Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current
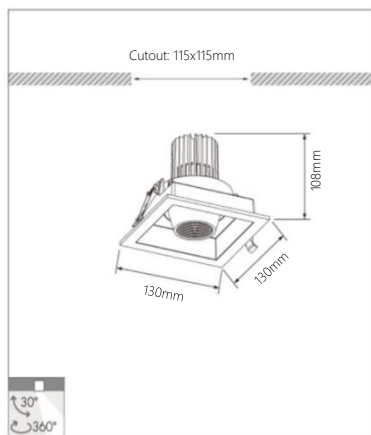
Light Source: COB LED

Luminaire Power: 2x14W

Delivered lumen: 2000lm @ 3000K & >Ra90
                 2200lm @ 3000K & >Ra80

Beam angle: 15°, 24° & 38°

Cutoff angle: 30°

Rotation: 360°

Cutout: 215x115mm

108mm

215mm   130mm

↑30°
↻360°

Light distribution

Intensity distribution

15°
2x14W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	7234.87	0.35/0.28	0.1	4773.97
2.0	1808.72	0.70/0.55	0.4	1193.49
3.0	803.87	1.05/0.83	0.8	530.44
4.0	452.18	1.39/1.10	1.5	298.37
5.0	289.39	1.74/1.38	2.3	190.96

24°
2x14W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	5085.51	0.46/0.47	0.2	3155.28
2.0	1271.38	0.93/0.94	0.7	788.92
3.0	565.06	1.39/1.41	1.6	350.59
4.0	317.84	1.85/1.88	2.8	197.21

38°
2x14W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	2840.60	0.74/0.75	0.4	1344.30
2.0	710.15	1.49/1.49	1.8	336.08
3.0	315.62	2.23/2.24	4.0	149.37
4.0	177.54	2.98/2.99	7.0	84.02

MULTI SERIES

Product No.:C2220

LED Recessed Grille Spotlight

C2220-M-3

Material: ADC12 Aluminum, PC chromed reflector, anti-glare ring, stainless steel clips

Finish: Electrostatic powder coating

☐ White   ■ Black   ■ Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

Light Source: COB LED

Luminaire Power: 3x14W

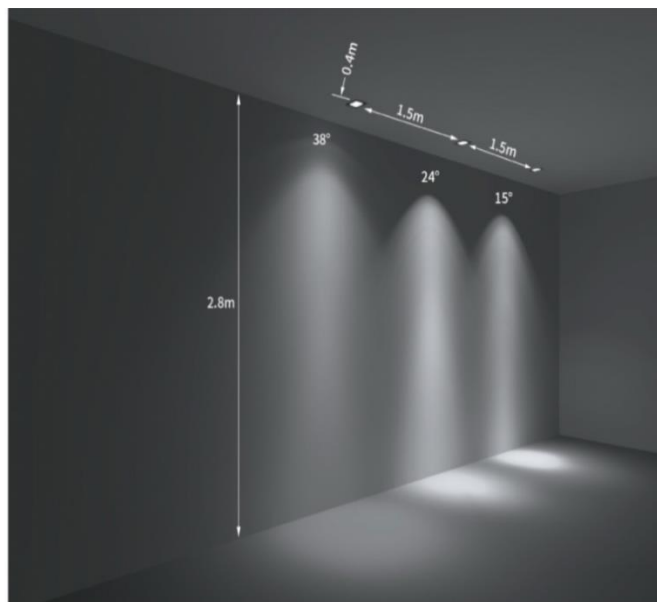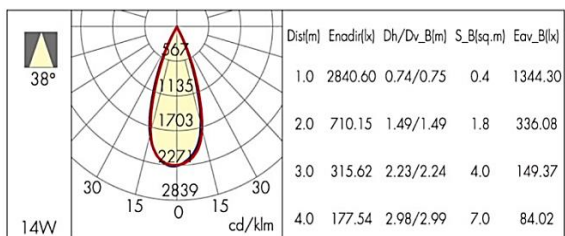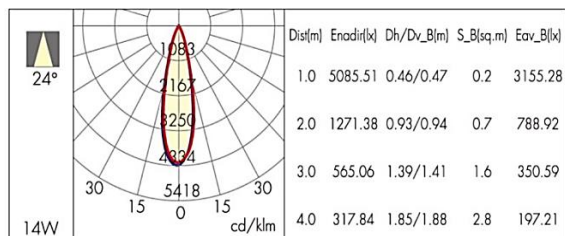Delivered lumen: 3000lm @ 3000K & >Ra90
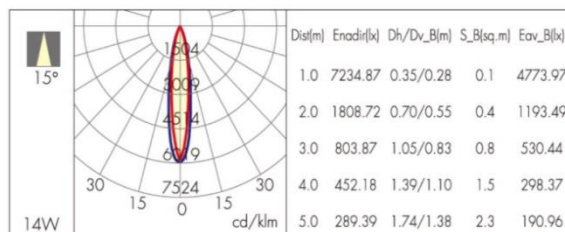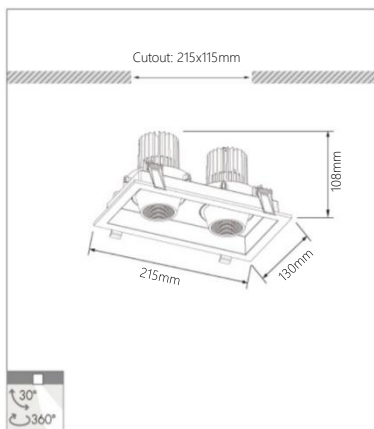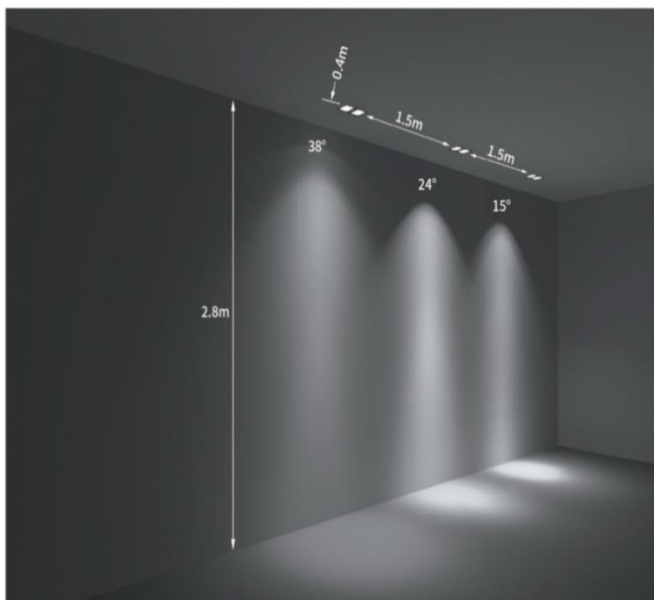3300lm @ 3000K & >Ra80

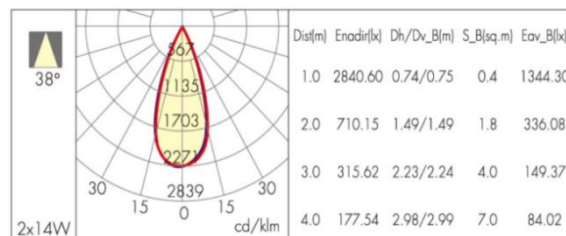Beam angle: 15°, 24° & 38°

Cutoff angle: 30°

Rotation: 360°
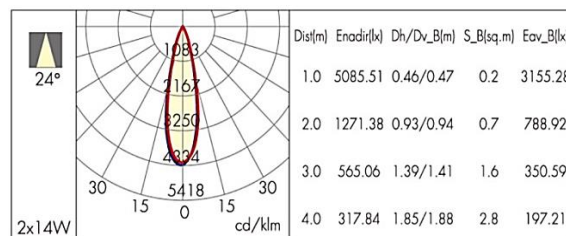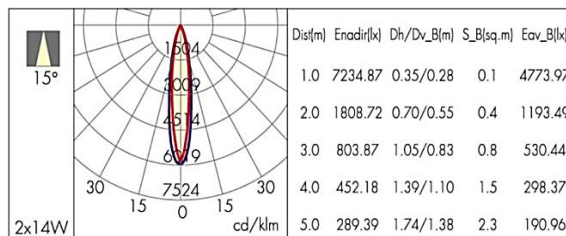
Cutout: 315x115mm

108mm

330mm   130mm

↑30°
↺360°

Intensity distribution

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
15°	1.0	7234.87	0.35/0.28	0.1	4773.97
	2.0	1808.72	0.70/0.55	0.4	1193.49
	3.0	803.87	1.05/0.83	0.8	530.44
	4.0	452.18	1.39/1.10	1.5	298.37
3x14W	5.0	289.39	1.74/1.38	2.3	190.96

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
24°	1.0	5085.51	0.46/0.47	0.2	3155.28
	2.0	1271.38	0.93/0.94	0.7	788.92
	3.0	565.06	1.39/1.41	1.6	350.59
3x14W	4.0	317.84	1.85/1.88	2.8	197.21

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
38°	1.0	2840.60	0.74/0.75	0.4	1344.30
	2.0	710.15	1.49/1.49	1.8	336.08
	3.0	315.62	2.23/2.24	4.0	149.37
3x14W	4.0	177.54	2.98/2.99	7.0	84.02

Light distribution

0.4m
1.5m   1.5m
38°   24°   15°
2.8m

MULTI SERIES

LED Recessed Grille Spotlight

Product No.:C2220

| | Excellent Thermal Management | | Installation of overlap trim | NON DIMMABLE | Non dimmable | DALI DIMMING | DALI dimming |

Excellent Thermal Management

Installation of overlap trim

Non dimmable

DALI dimming

Different light optics

Mid to high range CRI technology

TRIAC dimming

Power over Ethernet

Different colour temperatures

Protection class IP20

1-10V dimming

IoT

MULTI SERIES

LED Recessed Grille Spotlight

Product No.:C2220

C2220-L-1

Material: ADC12 Aluminum, PC chromed reflector, anti-glare ring, stainless steel clips

Finish: Electrostatic powder coating

| | White | | Black | | Grey |

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

Light Source: COB LED
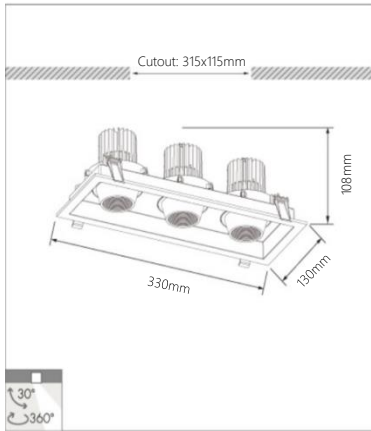
Luminaire Power: 28W

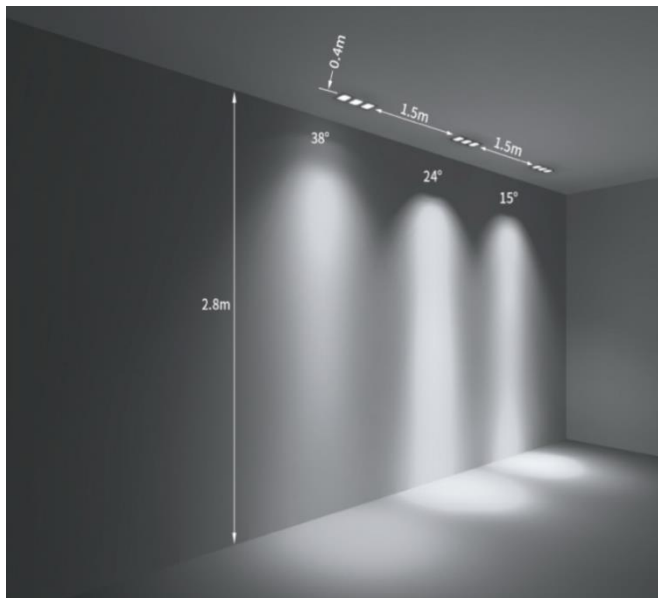Delivered lumen: 2500lm @ 3000K & >Ra90
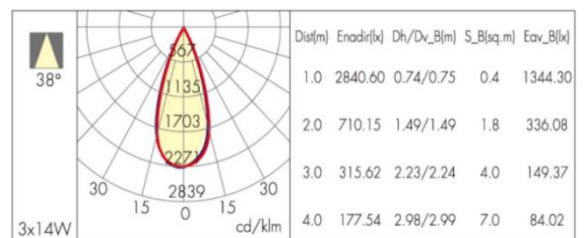2700lm @ 3000K & >Ra80

Beam angle: 24° & 38°

Cutoff angle: 30°

Rotation: 360°

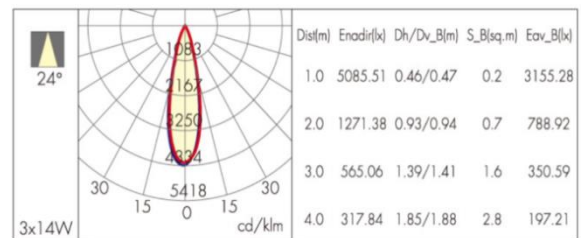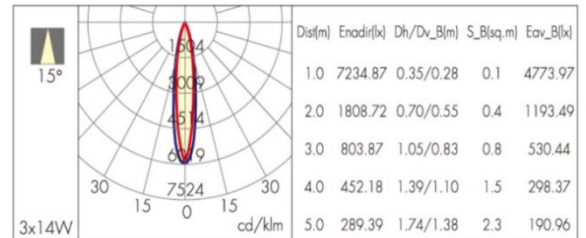Cutout: 135x135mm

115mm

150mm   150mm

↕30°
↻360°

Intensity distribution

24°	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	1.0	12295.34	0.41/0.40	0.1	7851.10
	2.0	3073.83	0.81/0.80	0.5	1962.77
	3.0	1366.15	1.22/1.20	1.2	872.34
30 30	4.0	768.46	1.63/1.60	2.2	490.69
28W	5.0	491.81	2.03/2.00	3.4	314.04

38°	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	1.0	6255.84	0.62/0.61	0.3	3282.93
	2.0	1563.96	1.23/1.22	1.2	820.73
	3.0	695.09	1.85/1.83	2.7	364.77
30 30	4.0	390.99	2.47/2.44	4.9	205.18
28W	5.0	250.23	3.08/3.04	7.6	131.32

Light distribution

MULTI SERIES   Product No.:C2220

LED Recessed Grille Spotlight

C2220-L-2

Material: ADC12 Aluminum, PC chromed reflector, anti-glare ring, stainless steel clips

Finish: Electrostatic powder coating

[ ] White   [■] Black   [■] Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

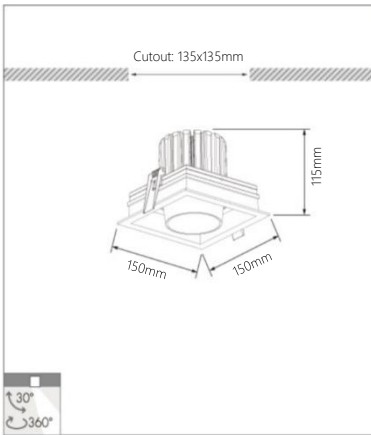Driver: Remote, constant current

Light Source: COB LED

Luminaire Power: 2x28W

Delivered lumen: 5000lm @ 3000K & >Ra90
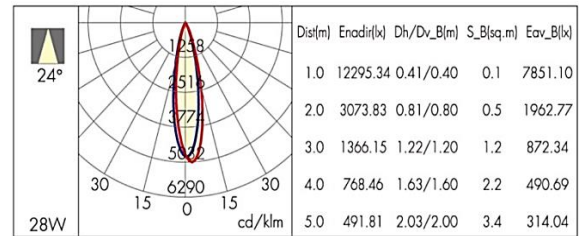   5500lm @ 3000K & >Ra80
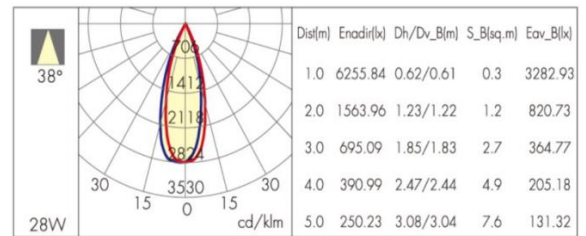
Beam angle: 24° & 38°

Cutoff angle: 30°

Rotation: 360°

Cutout: 285x135mm

115mm

300mm

150mm

↑30°
↻360°

Intensity distribution

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
24°	1.0	12295.34	0.41/0.40	0.1	7851.10
	2.0	3073.83	0.81/0.80	0.5	1962.77
	3.0	1366.15	1.22/1.20	1.2	872.34
	4.0	768.46	1.63/1.60	2.2	490.69
2x28W	5.0	491.81	2.03/2.00	3.4	314.04

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
38°	1.0	6255.84	0.62/0.61	0.3	3282.93
	2.0	1563.96	1.23/1.22	1.2	820.73
	3.0	695.09	1.85/1.83	2.7	364.77
	4.0	390.99	2.47/2.44	4.9	205.18
2x28W	5.0	250.23	3.08/3.04	7.6	131.32

Light distribution

0.4m
1.5m
38°
24°
2.8m

MULTI SERIES

Product No.:C2220

LED Recessed Grille Spotlight

C2220-L-3

Material: ADC12 Aluminum, PC chromed reflector, anti-glare ring, stainless steel clips

Finish: Electrostatic powder coating

| | White | | Black | | Grey |

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)
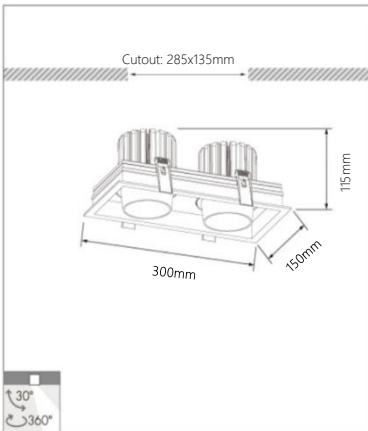
Driver: Remote, constant current

Light Source: COB LED

Luminaire Power: 3x28W

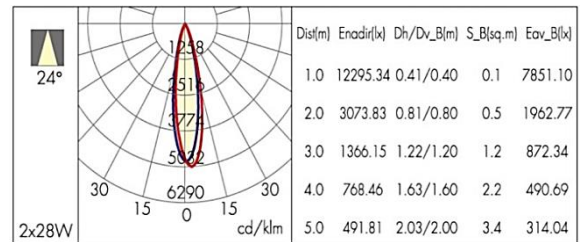Delivered lumen: 7500lm @ 3000K & >Ra90
8200lm @ 3000K & >Ra80

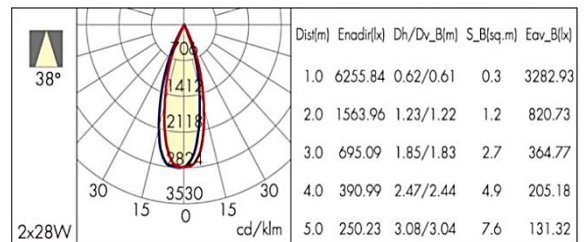Beam angle: 24° & 38°

Cutoff angle: 30°

Rotation: 360°

Cutout: 425x135mm

115mm

440mm

150mm

↕ 30°
↻ >360°

Intensity distribution

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
24°	1.0	12295.34	0.41/0.40	0.1	7851.10
	2.0	3073.83	0.81/0.80	0.5	1962.77
	3.0	1366.15	1.22/1.20	1.2	872.34
	4.0	768.46	1.63/1.60	2.2	490.69
3x28W	5.0	491.81	2.03/2.00	3.4	314.04

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
38°	1.0	6255.84	0.62/0.61	0.3	3282.93
	2.0	1563.96	1.23/1.22	1.2	820.73
	3.0	695.09	1.85/1.83	2.7	364.77
	4.0	390.99	2.47/2.44	4.9	205.18
3x28W	5.0	250.23	3.08/3.04	7.6	131.32

Light distribution
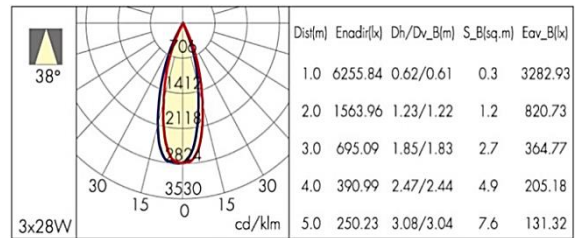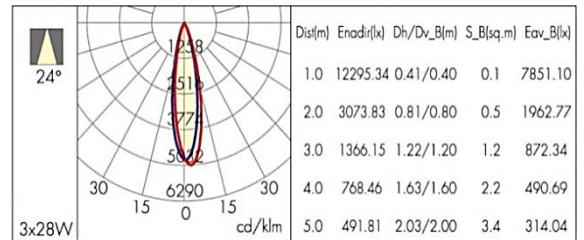
MICRO SERIES
LED Recessed Damp Proof Spotlight

MICRO SERIES

LED Recessed Damp Proof Spotlight

Micro series recessed spotlight, delicate body design, die-cast aluminum and superior polished housing with electrostatic powder coating. Being combined with high CRI / high lumen chip, precise optical reflector and anti-glare structure it shows excellent optical effect. With compact body structure and a simple stainless steel clip, the luminaire are easy to install and remove.

The luminaires are suitable for application with thin ceiling and high requirement on ant-glare performance, like hotels, restaurants, villas, boutiques etc.

The luminaire is suitable for damp locations below ceiling.

D2320C-SM	D2320S-SM	D2320C-M-T	D2320S-M-T
P140	P140	P141	P141

D2320C-L	D2320S-L	D2320C-XL-T	D2320S-XL-T
P142	P142	P144	P144

Excellent Thermal Management	Installation of overlap trim	Non dimmable	DALI dimming
Different light optics	Mid to high range CRI technology	TRIAC dimming	Power over Ethernet
Different colour temperatures	Protection class IP44	1-10V dimming	

MICRO SERIES

LED Recessed Damp Proof Spotlight

D2320C-SM

D2320S-SM

Cutout: Ø60mm

Cutout: Ø60mm

83.5mm

83.5mm

Ø68mm

68mm

68mm

Material: ADC12 Aluminum, PC chromed reflector, stainless steel clips

Finish: Electrostatic powder coating

White Black Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)
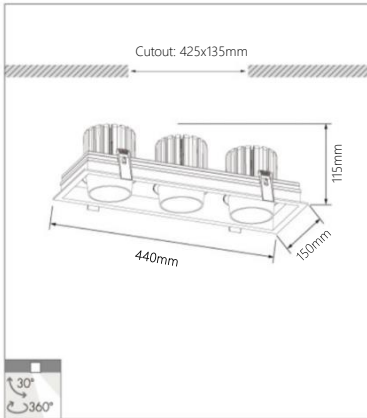
Driver: Remote, constant current

Light Source: LED, 4~7W COB

Luminaire Power: 7W

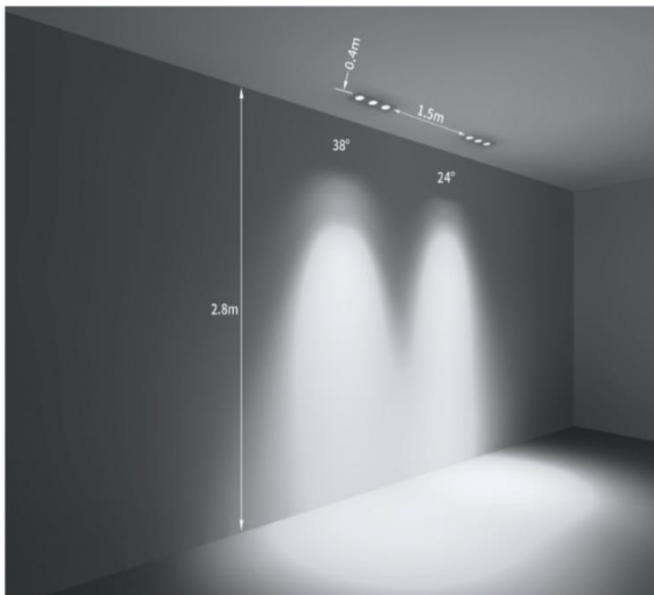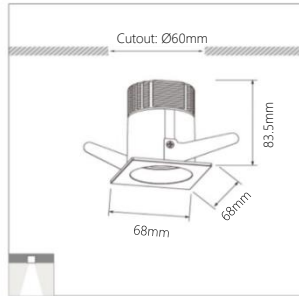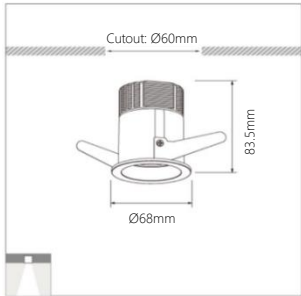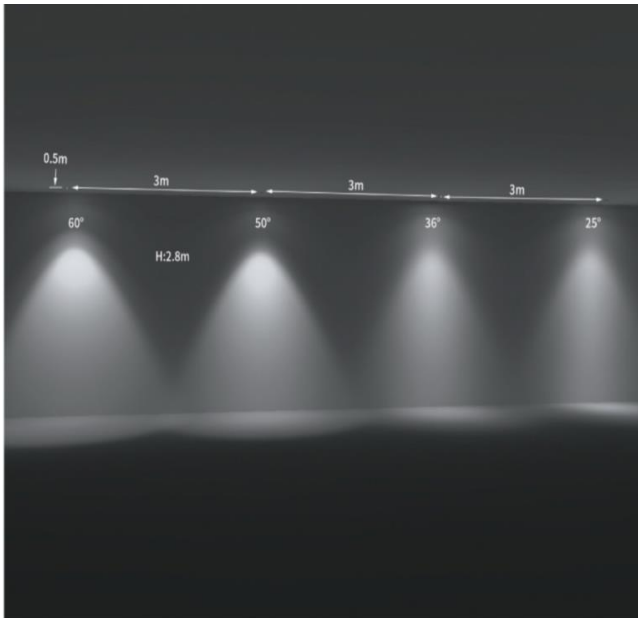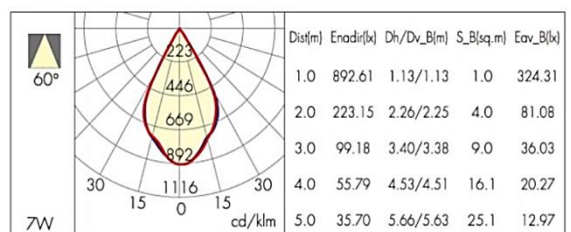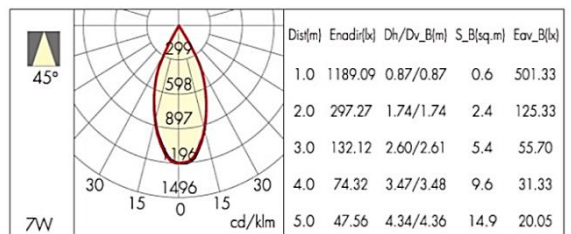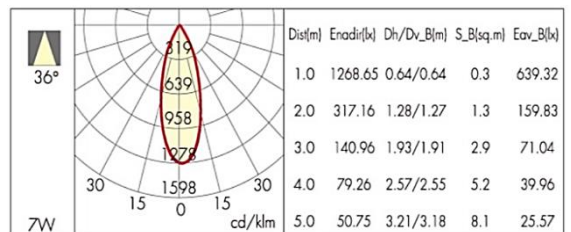Delivered lumen: 640lm @ 3000K & >Ra90
700lm @ 3000K & >Ra80

Beam angle : 24°, 36°, 45° & 60°

Intensity distribution

Light distribution

0.5m

3m 3m 3m

60° 50° 36° 25°

H:2.8m

24°		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	434	1.0	1727.81	0.48/0.48	0.2	1026.73
	869	2.0	431.95	0.97/0.95	0.7	256.68
	304	3.0	191.98	1.45/1.43	1.6	114.08
	1739	4.0	107.99	1.93/1.91	2.9	64.17
30 15 0 15 30	2174	5.0	69.11	2.42/2.39	4.6	41.07
7W	cd/klm					

36°		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	319	1.0	1268.65	0.64/0.64	0.3	639.32
	639	2.0	317.16	1.28/1.27	1.3	159.83
	958	3.0	140.96	1.93/1.91	2.9	71.04
	1278	4.0	79.26	2.57/2.55	5.2	39.96
30 15 0 15 30	1598	5.0	50.75	3.21/3.18	8.1	25.57
7W	cd/klm					

45°		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	299	1.0	1189.09	0.87/0.87	0.6	501.33
	598	2.0	297.27	1.74/1.74	2.4	125.33
	897	3.0	132.12	2.60/2.61	5.4	55.70
	1196	4.0	74.32	3.47/3.48	9.6	31.33
30 15 0 15 30	1496	5.0	47.56	4.34/4.36	14.9	20.05
7W	cd/klm					

60°		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	223	1.0	892.61	1.13/1.13	1.0	324.31
	446	2.0	223.15	2.26/2.25	4.0	81.08
	669	3.0	99.18	3.40/3.38	9.0	36.03
	892	4.0	55.79	4.53/4.51	16.1	20.27
30 15 0 15 30	1116	5.0	35.70	5.66/5.63	25.1	12.97
7W	cd/klm					

MICRO SERIES

Product No.:D2320

LED Recessed Damp Proof Spotlight

D2320C-M-T

D2320S-M-T
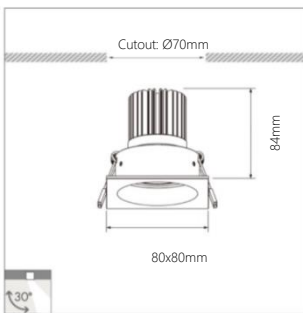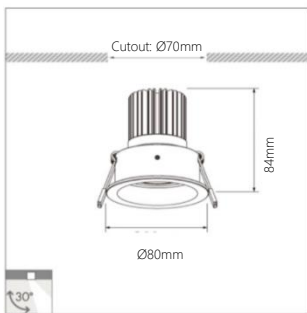
Cutout: Ø70mm

84mm

Ø80mm

Cutout: Ø70mm

84mm

80x80mm

Material: ADC12 Aluminum, PC chromed reflector, Stainless steel clips

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

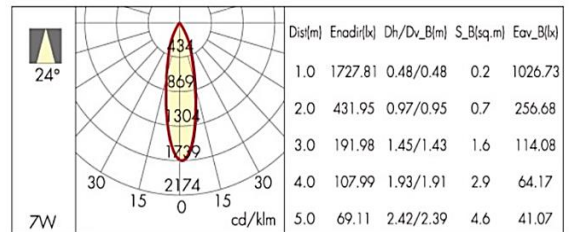Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

Light Source: LED, 4~7W COB

Luminaire Power: 7W

Delivered lumen: 650lm @ 3000K & Ra>90
710lm @ 3000K & Ra>80

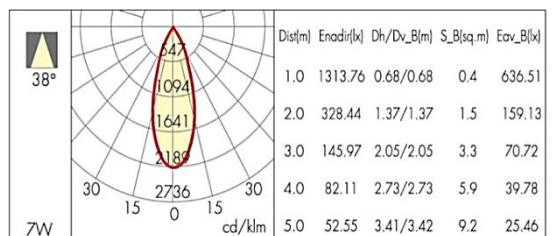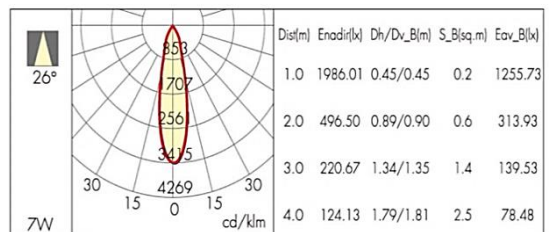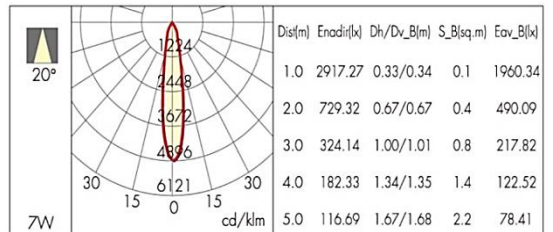Beam angle : 20°, 26° & 38°

Cutoff angle: 30°

Light distribution

0.4m

1.5m

1.5m

38°   26°   20°

2.8m

Intensity distribution

		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
20°	1224	1.0	2917.27	0.33/0.34	0.1	1960.34
	2448	2.0	729.32	0.67/0.67	0.4	490.09
	3672	3.0	324.14	1.00/1.01	0.8	217.82
	4896	4.0	182.33	1.34/1.35	1.4	122.52
30 30	6121	5.0	116.69	1.67/1.68	2.2	78.41
15 15						
7W	0 cd/klm					

		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
26°	853	1.0	1986.01	0.45/0.45	0.2	1255.73
	707	2.0	496.50	0.89/0.90	0.6	313.93
	256	3.0	220.67	1.34/1.35	1.4	139.53
	3415	4.0	124.13	1.79/1.81	2.5	78.48
30 30	4269					
15 15						
7W	0 cd/klm					

		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
38°	547	1.0	1313.76	0.68/0.68	0.4	636.51
	1094	2.0	328.44	1.37/1.37	1.5	159.13
	1641	3.0	145.97	2.05/2.05	3.3	70.72
	2189	4.0	82.11	2.73/2.73	5.9	39.78
30 30	2736	5.0	52.55	3.41/3.42	9.2	25.46
15 15						
7W	0 cd/klm					

MICRO SERIES

LED Recessed Damp Proof Spotlight

Product No.:D2320

D2320C-L

D2320S-L

Cutout: Ø75mm
92mm
Ø85mm

Cutout: Ø75mm
92mm
Ø85mm
Ø85mm

Material: ADC12 Aluminum, PC chromed reflector, stainless steel clips

Finish: Electrostatic powder coating

	White		Black		Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

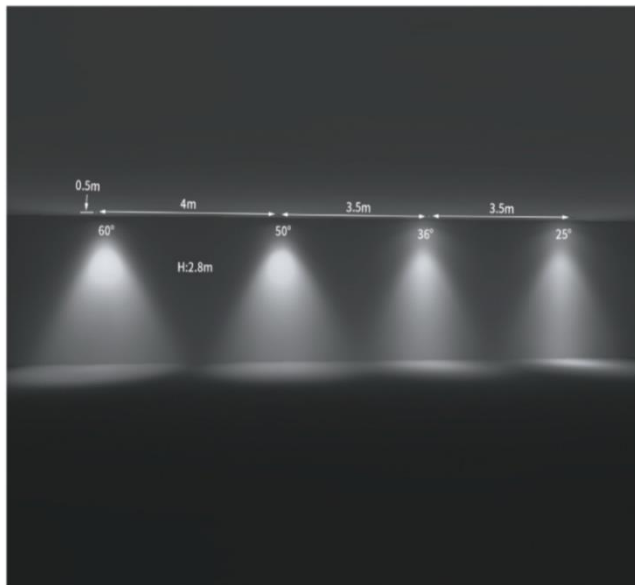Driver: Remote, constant current
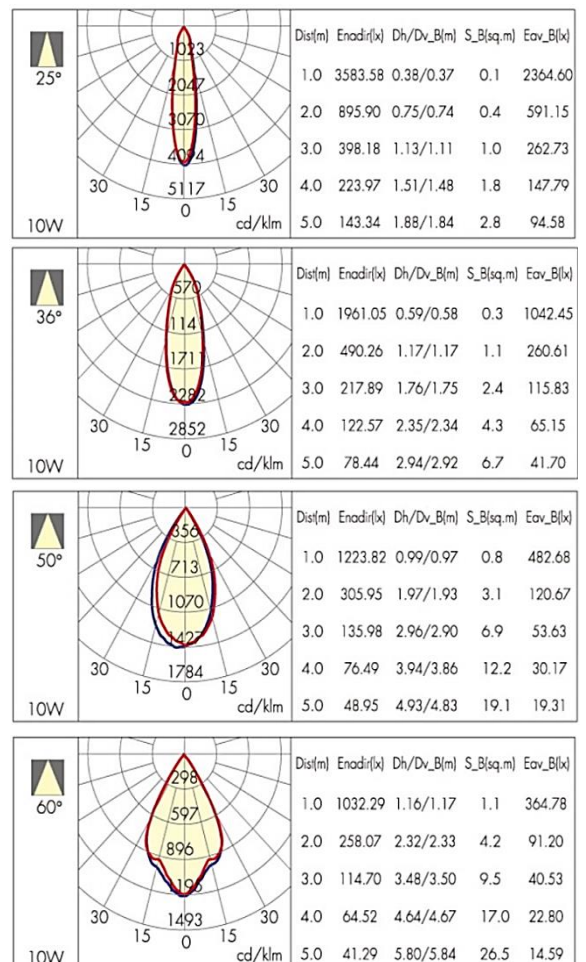
Light Source: LED, 7~10W COB

Luminaire Power: 10W
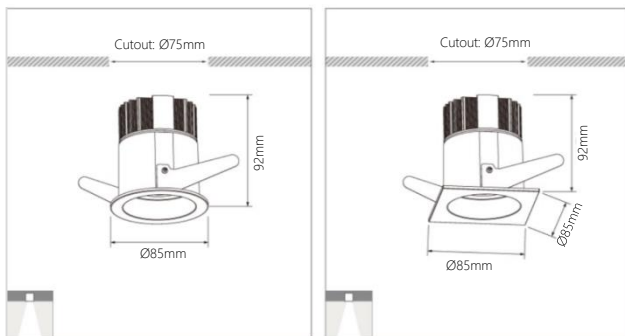
Delivered lumen: 850lm @ 3000K & Ra>90
930lm @ 3000K & Ra>80
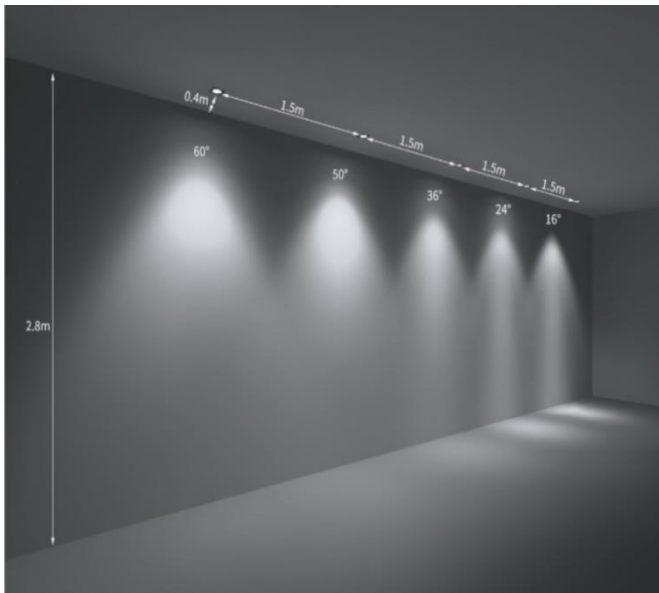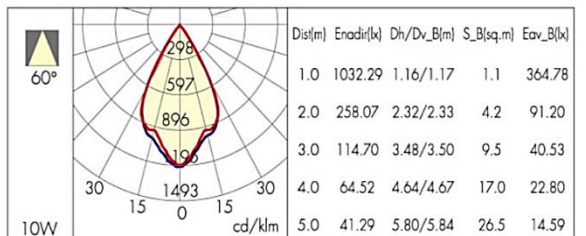
Beam angle : 25°, 36°, 50° & 60°

Light distribution

0.5m
4m   3.5m   3.5m
60°   50°   36°   25°
H:2.8m

Intensity distribution

25° 10W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1033 1047 3070 4094 5117 cd/klm	1.0	3583.58	0.38/0.37	0.1	2364.60
	2.0	895.90	0.75/0.74	0.4	591.15
	3.0	398.18	1.13/1.11	1.0	262.73
	4.0	223.97	1.51/1.48	1.8	147.79
	5.0	143.34	1.88/1.84	2.8	94.58

36° 10W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
570 114 171 2852 cd/klm	1.0	1961.05	0.59/0.58	0.3	1042.45
	2.0	490.26	1.17/1.17	1.1	260.61
	3.0	217.89	1.76/1.75	2.4	115.83
	4.0	122.57	2.35/2.34	4.3	65.15
	5.0	78.44	2.94/2.92	6.7	41.70

50° 10W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
356 713 1070 1427 1784 cd/klm	1.0	1223.82	0.99/0.97	0.8	482.68
	2.0	305.95	1.97/1.93	3.1	120.67
	3.0	135.98	2.96/2.90	6.9	53.63
	4.0	76.49	3.94/3.86	12.2	30.17
	5.0	48.95	4.93/4.83	19.1	19.31

60° 10W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
298 597 896 1493 cd/klm	1.0	1032.29	1.16/1.17	1.1	364.78
	2.0	258.07	2.32/2.33	4.2	91.20
	3.0	114.70	3.48/3.50	9.5	40.53
	4.0	64.52	4.64/4.67	17.0	22.80
	5.0	41.29	5.80/5.84	26.5	14.59

MICRO SERIES

Product No.:D2320

LED Recessed Damp Proof Spotlight

D2320C-XL-T

D2320S-XL-T
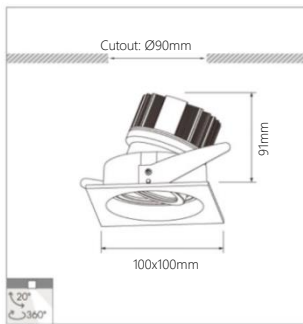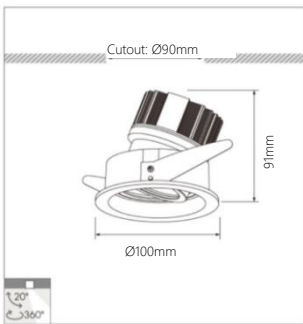
Cutout: Ø90mm

91mm

Ø100mm

20°
360°

Cutout: Ø90mm

91mm

100x100mm

20°
360°

Material: ADC12 Aluminum, PC chromed reflector, stainless steel clips

Finish: Electrostatic powder coating

☐ White   ■ Black   ■ Grey

CCT: 3000K , 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

Light Source: LED, 7~10W COB

Luminaire Power: 10W

Delivered lumen: 850lm @ 3000K & Ra>90 &
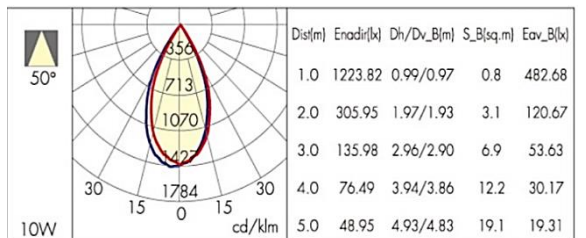   900lm @ 3000K & Ra>80

Beam angle : 24**°**,36**°**,50**°** & 60**°** / Cutoff angle: 20**°**
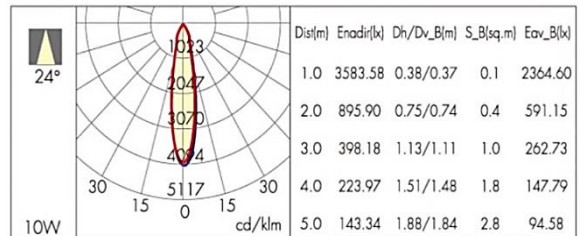
Rotation: 360**°**

Light distribution

0.4m 1.5m 1.5m 1.5m 1.5m 1.5m
60° 50° 36° 24° 16°
2.8m

Intensity distribution

24° 10W		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1023 2047 3070 4094 5117 30 15 0 15 30 cd/klm		1.0	3583.58	0.38/0.37	0.1	2364.60
		2.0	895.90	0.75/0.74	0.4	591.15
		3.0	398.18	1.13/1.11	1.0	262.73
		4.0	223.97	1.51/1.48	1.8	147.79
		5.0	143.34	1.88/1.84	2.8	94.58

36° 10W		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
570 114 171 2282 2852 30 15 0 15 30 cd/klm		1.0	1961.05	0.59/0.58	0.3	1042.45
		2.0	490.26	1.17/1.17	1.1	260.61
		3.0	217.89	1.76/1.75	2.4	115.83
		4.0	122.57	2.35/2.34	4.3	65.15
		5.0	78.44	2.94/2.92	6.7	41.70

50° 10W		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
356 713 1070 1427 1784 30 15 0 15 30 cd/klm		1.0	1223.82	0.99/0.97	0.8	482.68
		2.0	305.95	1.97/1.93	3.1	120.67
		3.0	135.98	2.96/2.90	6.9	53.63
		4.0	76.49	3.94/3.86	12.2	30.17
		5.0	48.95	4.93/4.83	19.1	19.31

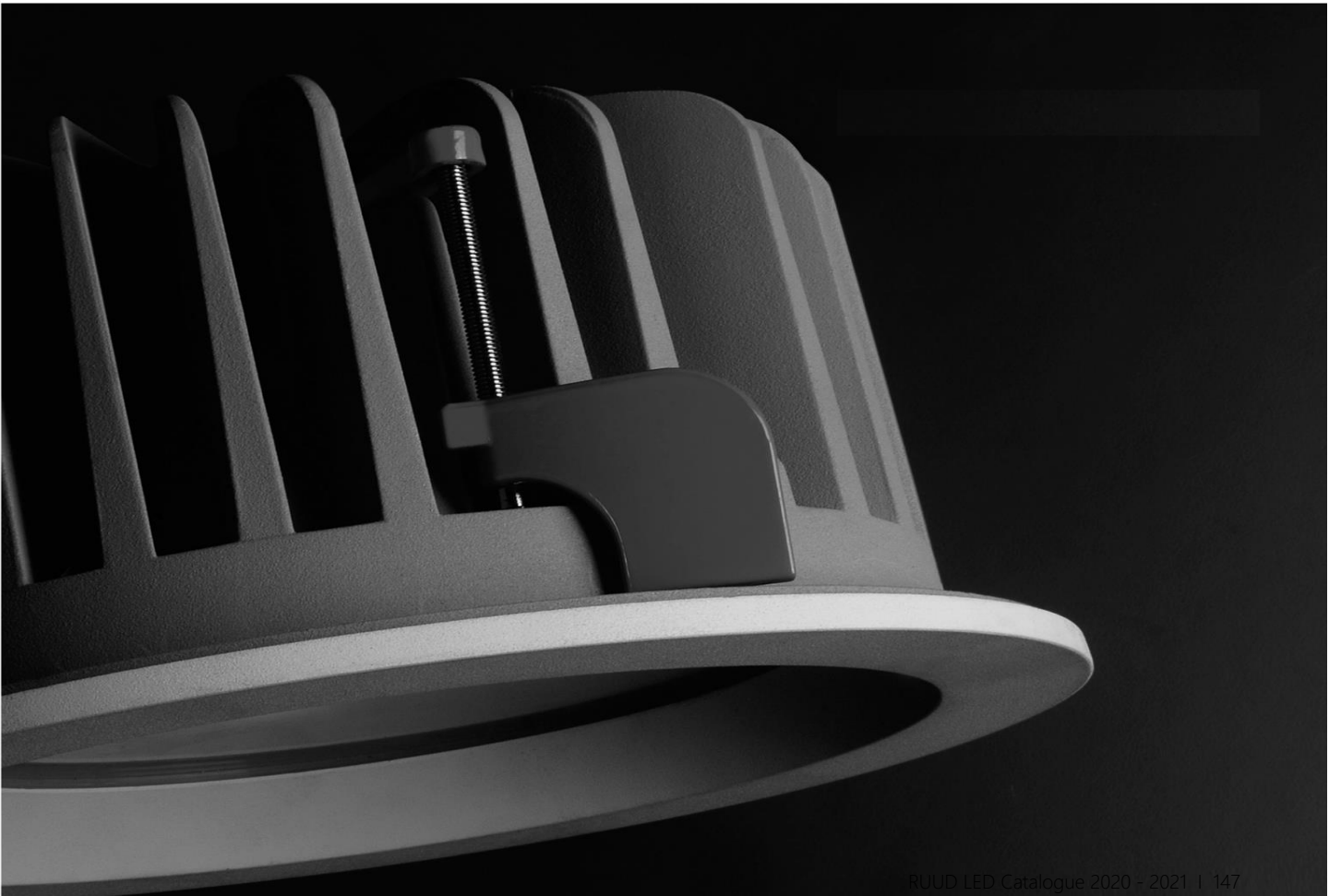| 60° 10W		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
298 597 896 1195 1493 30 15 0 15 30 cd/klm		1.0	1032.29	1.16/1.17	1.1	364.78
		2.0	258.07	2.32/2.33	4.2	91.20
		3.0	114.70	3.48/3.50	9.5	40.53
		4.0	64.52	4.64/4.67	17.0	22.80
		5.0	41.29	5.80/5.84	26.5	14.59

PRO SERIES
LED Recessed Damp Proof Downlight

PRO SERIES

Product No.: E2420

LED Recessed Damp Proof Downlight

Pro series recessed downlight, heavy-duty body design, die-cast aluminum and superior polished housing with electrostatic powder coating. Being combined with high CRI / high lumen chip, precise optical reflector, frosted tempered glass and half anti-glare structure it provides excellent optical effect. With IP54 protection class structure & driver and professional installation accessories, the luminaire are easy to install and remove.

The luminaires are suitable for wet environment, which has high requirement on protection class and illuminance. And can be opted for airports hotels, convention centers supermarkets, and some specified indoor outdoor areas like awnings, soffits and canopies etc.

E2420-4	E2420-5	E2420-6	E2420-7	E2420-9
P150	P151	P152	P154	P155

PRO SERIES

Product No.: E2420

LED Recessed Damp Proof Downlight

Excellent Thermal Management

Installation of overlap trim

NON DIMMABLE Non dimmable

DALI DIMMING DALI dimming

Soft light optics

Mid to high range CRI technology

TRIAC DIMMING TRIAC dimming

PoE Power over Ethernet

Different colour temperatures

Protection class IP54

1-10V DIMMING 1-10V dimming

IoT

PRO SERIES

Product No.: E2420

LED Recessed Damp Proof Downlight

E2420-4
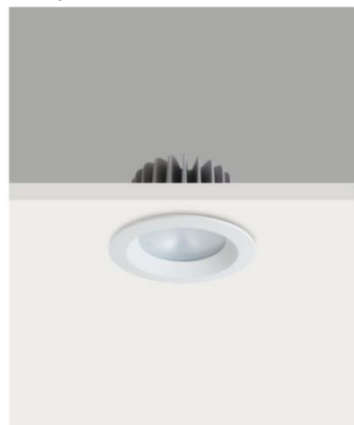
Material: ADC12 Aluminum, frosted tempered glass diffuser,1070 aluminum reflector, stainless steel clips.

Finish: Electrostatic powder coating

White   Black   Grey

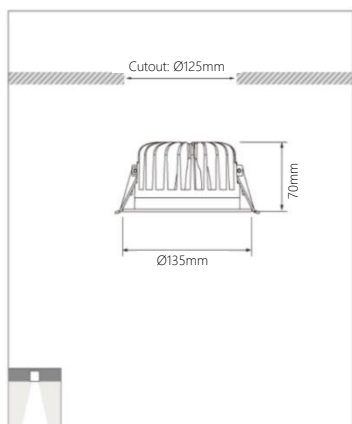CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current
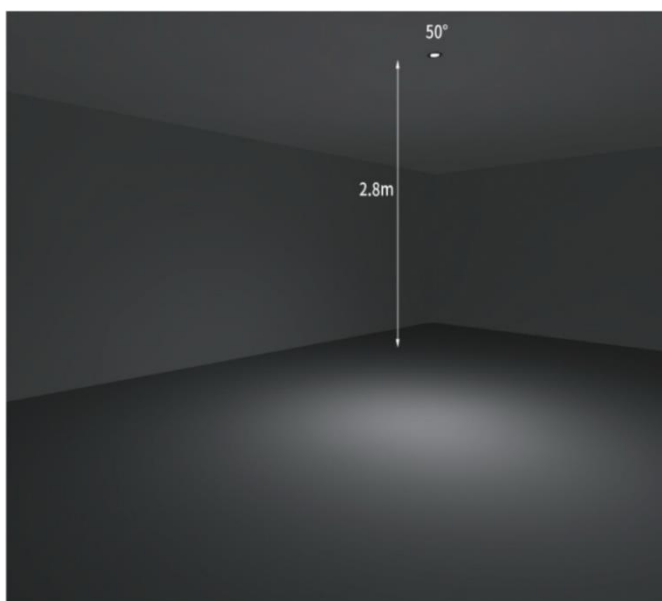
Light Source: LED, 7~12W COB

Luminaire Power: 10W

Delivered lumen: 850lm @ 3000K & Ra>90
930lm @ 3000K & Ra>80

Beam angle: 50°
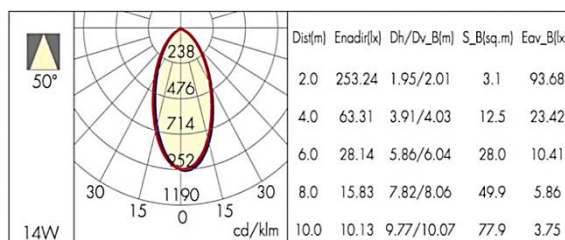
Cutout: Ø95mm

61mm

Ø110mm

Waterproof driver box

Light distribution

50°

2.8m

Intensity distribution

50°

10W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	228.10	1.88/1.88	2.8	92.07
4.0	57.03	3.76/3.76	11.3	23.02
6.0	25.34	5.64/5.65	25.3	10.23
8.0	14.26	7.52/7.53	45.0	5.75
10.0	9.12	9.40/9.41	70.4	3.68

cd/klm
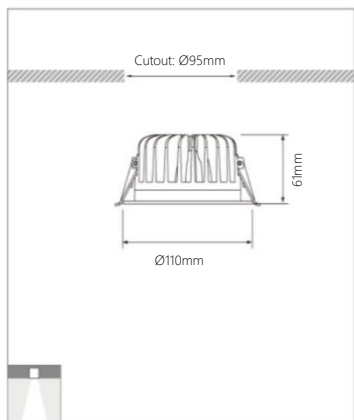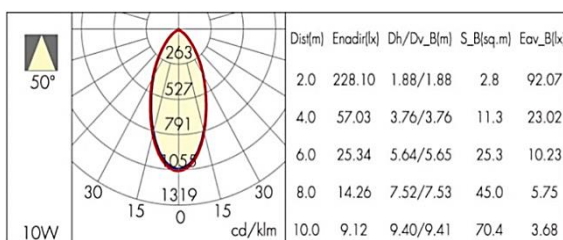
PRO SERIES

Product No.: E2420

LED Recessed Damp Proof Downlight

E2420-5

Material: ADC12 Aluminum, frosted tempered glass diffuser,1070 aluminum reflector, stainless steel clips.

Finish: Electrostatic powder coating

White   Black   Grey

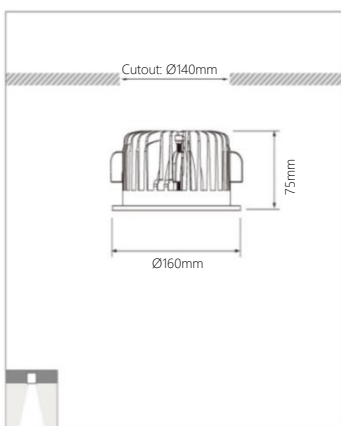CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

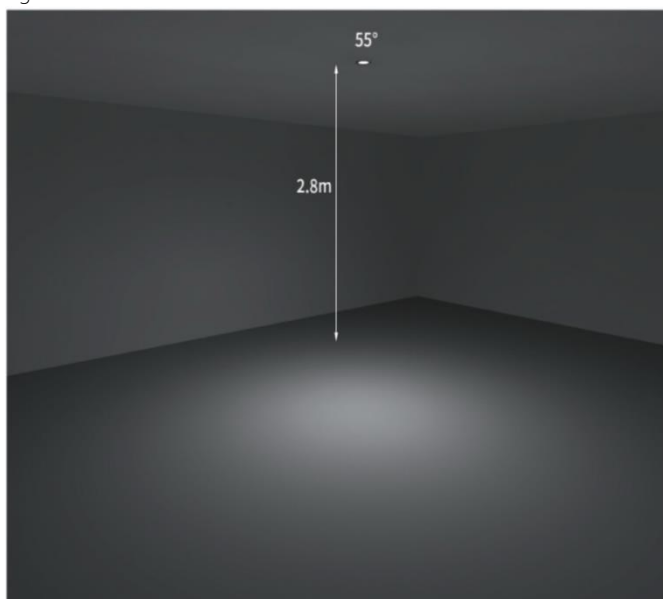Light Source: LED, 12~20W COB

Luminaire Power: 14W

Delivered lumen: 1050lm @ 3000K & Ra>90
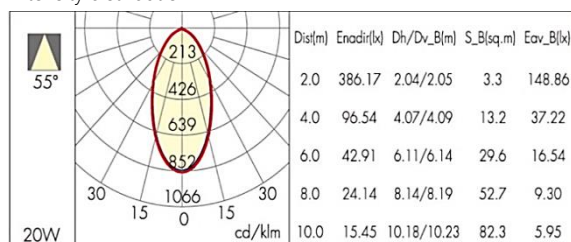   1160lm @ 3000K & Ra>80

Beam angle: 50°

Cutout: Ø125mm

70mm

Ø135mm

Waterproof driver box

Light distribution

50°

2.8m

Intensity distribution

50°

14W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	253.24	1.95/2.01	3.1	93.68
4.0	63.31	3.91/4.03	12.5	23.42
6.0	28.14	5.86/6.04	28.0	10.41
8.0	15.83	7.82/8.06	49.9	5.86
10.0	10.13	9.77/10.07	77.9	3.75

238
476
714
252
30   1190   30
15   0   15
cd/klm

PRO SERIES
Product No.: E2420

LED Recessed Damp Proof Downlight

E2420-6

Material: ADC12 Aluminum, frosted tempered glass diffuser,1070 aluminum reflector, stainless steel clips.

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K
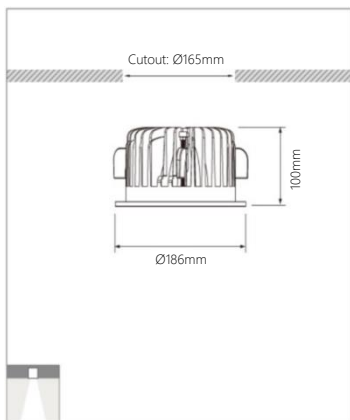
Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

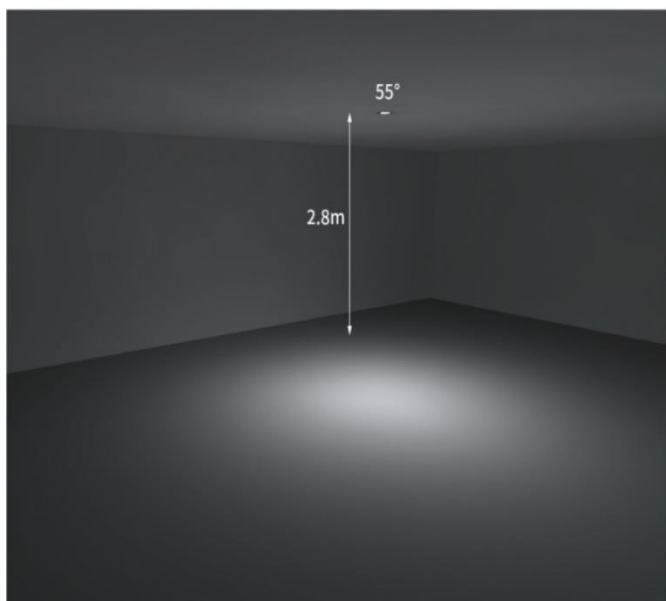Light Source: LED, 16~28W COB

Luminaire Power: 20W

Delivered lumen: 1800lm @ 3000K & Ra>90
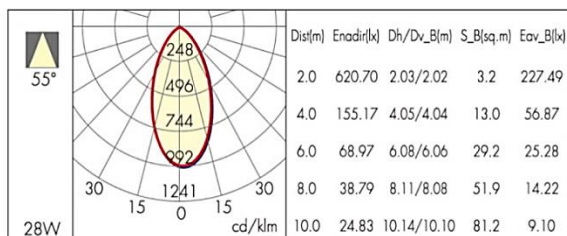   1980lm @ 3000K & Ra>80

Beam angle: 50°

Cutout: Ø140mm

75mm

Ø160mm

Waterproof driver box

Light distribution

55°

2.8m

Intensity distribution

55°

30   30
15 0 15

20W   cd/klm

213
426
639
852
1066

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	386.17	2.04/2.05	3.3	148.86
4.0	96.54	4.07/4.09	13.2	37.22
6.0	42.91	6.11/6.14	29.6	16.54
8.0	24.14	8.14/8.19	52.7	9.30
10.0	15.45	10.18/10.23	82.3	5.95

Adjustable mounting clip, suitable for different thickness of ceiling.

Convenient for dismantling the surface ring

PRO SERIES

Product No.: E2420

LED Recessed Damp Proof Downlight

E2420-7

Material: ADC12 Aluminum, frosted tempered glass diffuser,1070 aluminum reflector, stainless steel clips.

Finish: Electrostatic powder coating

☐ White ■ Black ■ Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

Light Source: LED, 20~32W COB

Luminaire Power: 28W

Delivered lumen: 2500lm @ 3000K & Ra>90
                2750lm @ 3000K & Ra>80

Beam angle: 50°

Cutout: Ø165mm

100mm

Ø186mm

Waterproof driver box

Light distribution

55°

2.8m

Intensity distribution

55°

28W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	620.70	2.03/2.02	3.2	227.49
4.0	155.17	4.05/4.04	13.0	56.87
6.0	68.97	6.08/6.06	29.2	25.28
8.0	38.79	8.11/8.08	51.9	14.22
10.0	24.83	10.14/10.10	81.2	9.10

248
496
744
992
1241
30   30
15   15
0
cd/klm

PRO SERIES

LED Recessed Damp Proof Downlight

Product No.: E2420

E2420-9

Material: ADC12 Aluminum, frosted tempered glass diffuser,1070 aluminum reflector, stainless steel clips.

Finish: Electrostatic powder coating

White Black Grey

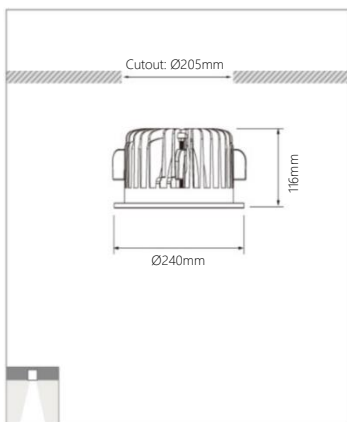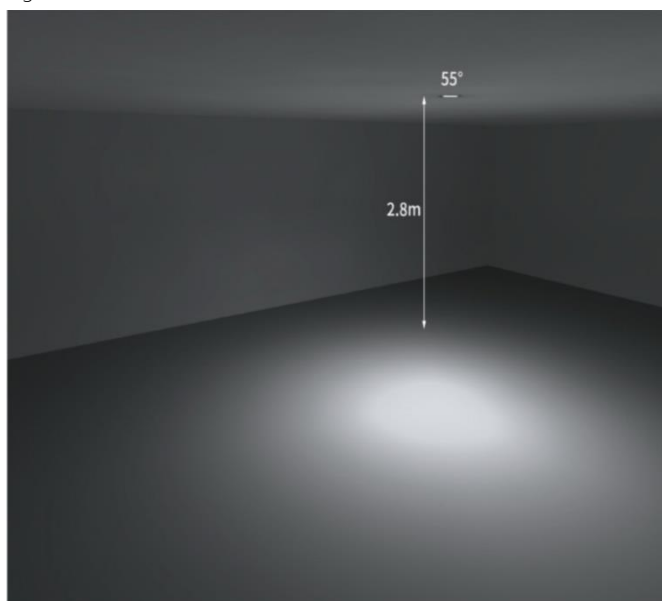CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

Light Source: LED, 30~50W COB

Luminaire Power: 44W

Delivered lumen: 3850lm @ 3000K & Ra>90
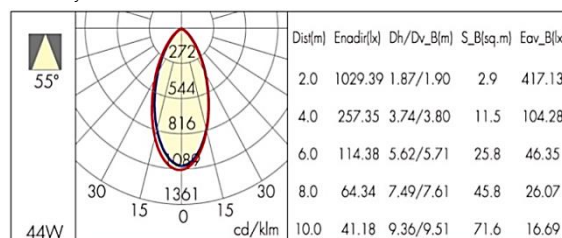4235lm @ 3000K & Ra>80

Beam angle: 50°

Cutout: Ø205mm

116mm

Ø240mm

Waterproof driver box

Light distribution

55°

2.8m

Intensity distribution

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
55°	2.0	1029.39	1.87/1.90	2.9	417.13
	4.0	257.35	3.74/3.80	11.5	104.28
	6.0	114.38	5.62/5.71	25.8	46.35
30 15 0 15 30	8.0	64.34	7.49/7.61	45.8	26.07
44W	10.0	41.18	9.36/9.51	71.6	16.69

272
544
816
1089
1361
cd/klm

KING SERIES
LED Recessed Weatherproof Downlight

Product No.: F2520

KING SERIES

Product No.:F2520

LED Recessed Weatherproof Downlight

| | Excellent Thermal Management | | Installation of overlap trim | NON DIMMABLE | Non dimmable | DALI DIMMING | DALI dimming |

| | Different light optics | | Mid to high range CRI technology | TRIAC DIMMING | TRIAC dimming | PoE | Power over Ethernet |

| | Different colour temperatures | | Protection class IP65 | 1-10V DIMMING | 1-10V dimming | | |

IoT

KING SERIES

Product No.:F2520

LED Recessed Weatherproof Downlight

King series recessed downlight, heavy-duty body design, die-cast aluminum and superior polished housing with electrostatic powder coating. Being combined with high CRI / high lumen chip, precise optical reflector, frosted tempered glass and half anti-glare structure it provides excellent optical effect. With IP65 protection class structure & driver and professional installation accessories, the luminaire are easy to install and remove.

The luminaires are suitable for wet environment, which has high requirement on protection class and illuminance. And can be opted for airports hotels, convention centers supermarkets, and some specified indoor outdoor areas like awnings, soffits and canopies etc.

F2520-3

P159

F2520-4

P160

F2520-5

P161
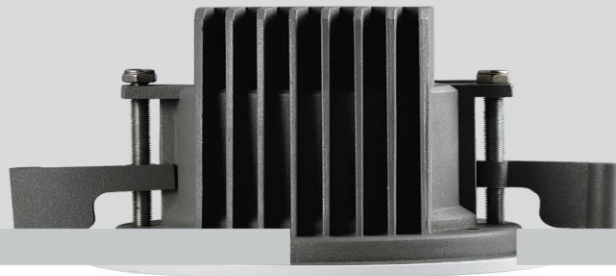
KING SERIES

Product No.:F2520

LED Recessed Weatherproof Downlight

F2520-3

Material: ADC12 Aluminum, PC chromated reflector & stainless steel.

Finish: Electrostatic powder coating

☐ White ■ Black ■ Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)
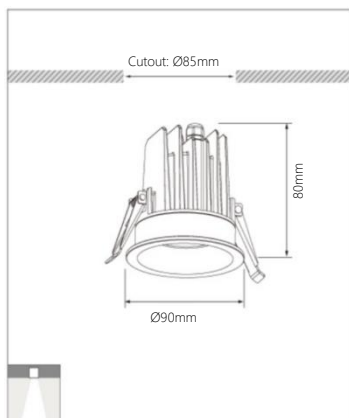
Driver: Remote, constant current

Driver: Remote, constant current
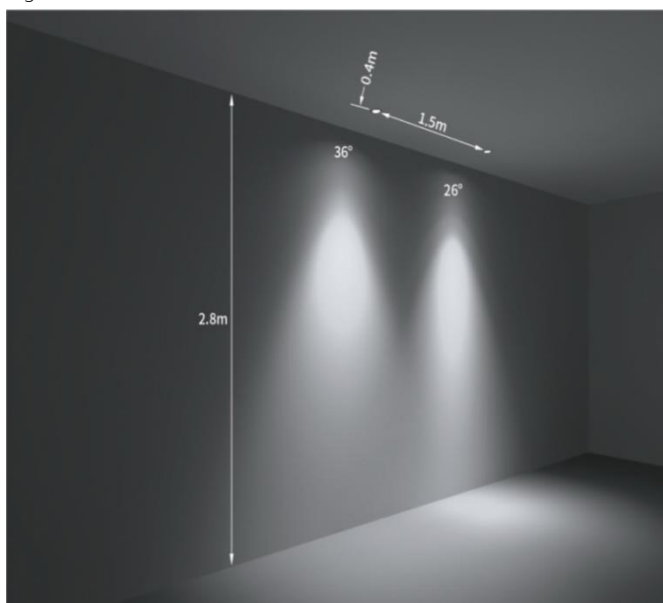
Light Source: LED, 12~20W COB

Luminaire Power: 12W

Delivered lumen: 900lm @ 3000K & Ra>90
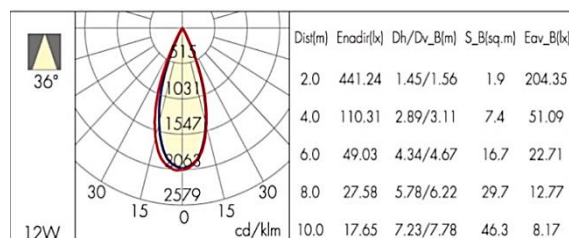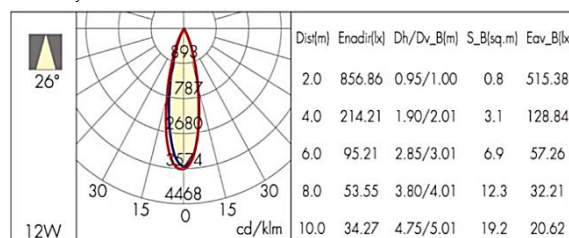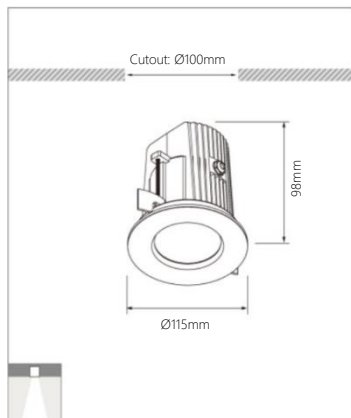   1000lm @ 3000K & Ra>80

Beam angle:: 26° & 36°

Cutout: Ø85mm

80mm

Ø90mm

Waterproof driver box

Light distribution

2.8m

0.4m

1.5m

36°

26°

26°

Intensity distribution

26°
12W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	856.86	0.95/1.00	0.8	515.38
4.0	214.21	1.90/2.01	3.1	128.84
6.0	95.21	2.85/3.01	6.9	57.26
8.0	53.55	3.80/4.01	12.3	32.21
10.0	34.27	4.75/5.01	19.2	20.62

893
787
2680
3574
4468
30 15 0 15 30
cd/klm

36°
12W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	441.24	1.45/1.56	1.9	204.35
4.0	110.31	2.89/3.11	7.4	51.09
6.0	49.03	4.34/4.67	16.7	22.71
8.0	27.58	5.78/6.22	29.7	12.77
10.0	17.65	7.23/7.78	46.3	8.17

515
1031
1547
2063
2579
30 15 0 15 30
cd/klm

KING SERIES

Product No.:F2520

LED Recessed Weatherproof Downlight

F2520-4

Material: ADC12 Aluminum, PC chromated reflector & stainless steel.

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

Driver: Remote, constant current

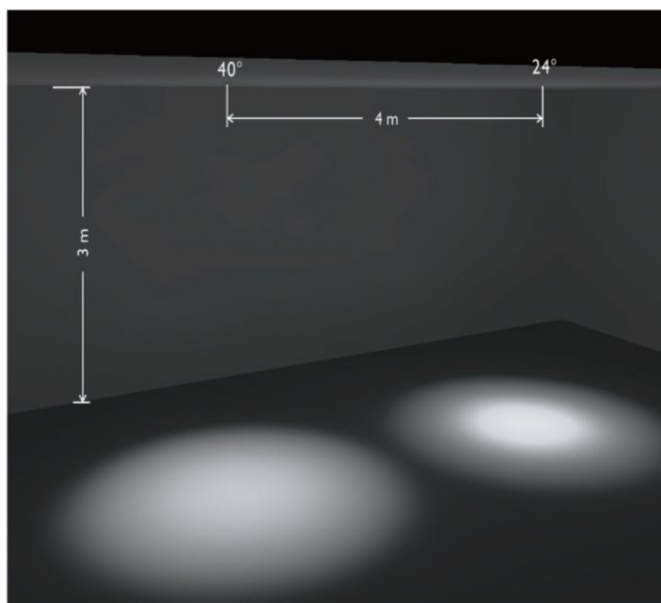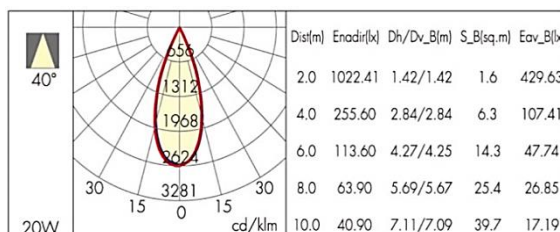Light Source: LED, 16~28W COB

Luminaire Power: 20W

Delivered lumen: 1600lm @ 3000K & Ra>90
                1760lm @ 3000K & Ra>80
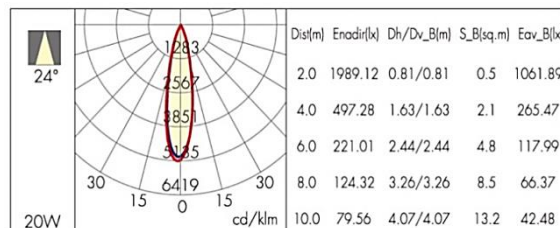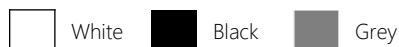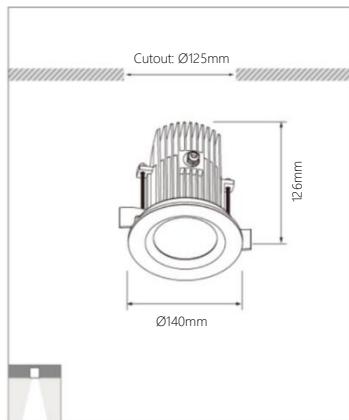
Beam angle: 24° & 40°

Cutout: Ø100mm

98mm

Ø115mm

Waterproof driver box

Light distribution

40°   24°

4 m

3 m

Intensity distribution

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
24°	2.0	1989.12	0.81/0.81	0.5	1061.89
	4.0	497.28	1.63/1.63	2.1	265.47
	6.0	221.01	2.44/2.44	4.8	117.99
	8.0	124.32	3.26/3.26	8.5	66.37
20W	10.0	79.56	4.07/4.07	13.2	42.48

1283
1567
2851
5135
6419
30   30
15   0   15
cd/klm

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
40°	2.0	1022.41	1.42/1.42	1.6	429.63
	4.0	255.60	2.84/2.84	6.3	107.41
	6.0	113.60	4.27/4.25	14.3	47.74
	8.0	63.90	5.69/5.67	25.4	26.85
20W	10.0	40.90	7.11/7.09	39.7	17.19

656
1312
1968
2624
3281
30   30
15   0   15
cd/klm

KING SERIES

Product No.:F2520

LED Recessed Weatherproof Downlight

F2520-5

Material: ADC12 Aluminum, PC chromated reflector, stainless steel.

Finish: Electrostatic powder coating

☐ White   ■ Black   ▦ Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current

Driver: Remote, constant current

Light Source: LED, 30~50W COB
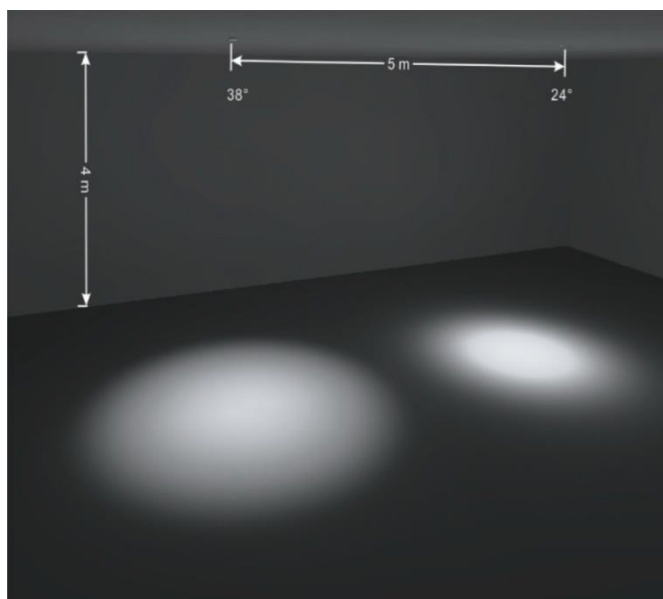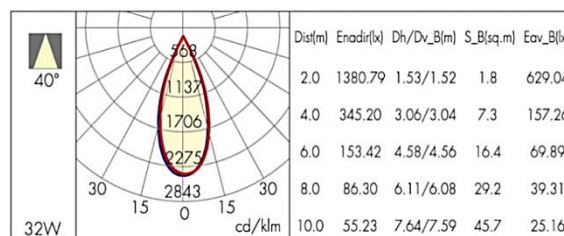
Luminaire Power: 32W

Delivered lumen: 2500lm @ 3000K & Ra>90
                          2750lm @ 3000K & Ra>80
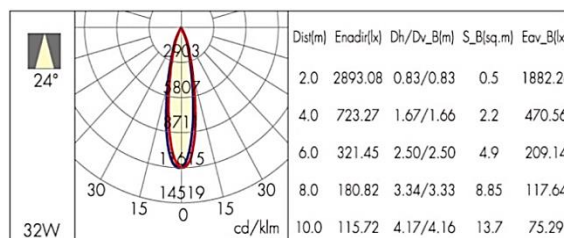
Beam angle: 24° & 40°

Cutout: Ø125mm

126mm

Ø140mm

Waterproof driver box

Light distribution

5 m
38°   24°
4 m

Intensity distribution

24° 32W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	2.0	2893.08	0.83/0.83	0.5	1882.26
	4.0	723.27	1.67/1.66	2.2	470.56
	6.0	321.45	2.50/2.50	4.9	209.14
	8.0	180.82	3.34/3.33	8.85	117.64
	10.0	115.72	4.17/4.16	13.7	75.29

40° 32W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	2.0	1380.79	1.53/1.52	1.8	629.04
	4.0	345.20	3.06/3.04	7.3	157.26
	6.0	153.42	4.58/4.56	16.4	69.89
	8.0	86.30	6.11/6.08	29.2	39.31
	10.0	55.23	7.64/7.59	45.7	25.16

GIANT SERIES
LED Recessed Weatherproof Downlight

Product No.: G2620

GIANT SERIES   Product No.: G2620

LED Recessed Weatherproof Downlight

Giant series recessed downlight, heavy-duty body design, die-cast aluminum and superior polished housing with electrostatic powder coating. Being combined with high CRI / high lumen chip, precise optical reflector, frosted tempered glass and half anti-glare structure it provides excellent optical effect. With IP65 protection class structure & driver and professional installation accessories, the luminaire are easy to install and remove and is available from 10W to 40W illuminance.

The luminaires are suitable for wet environment, which has high requirement on protection class and illuminance. And can be opted for airports hotels, convention centers supermarkets, and some specified indoor outdoor areas like awnings, soffits and canopies etc.

G2620C-4	G2620C-5	G2520C-6	G2620C-9
P166	P167	P168	P169

G2620S-4	G2620S-5	G2520S-6	G2620S-9
P166	P167	P168	P169

GIANT SERIES

LED Recessed Weatherproof Downlight

Product No.: G2620

 Excellent Thermal Management

 Multifaceted optics

 Different colour temperatures

 Installation of overlap trim

 Mid to high range CRI technology

 Protection class IP65

 NON DIMMABLE — Non dimmable

 TRIAC DIMMING — TRIAC dimming

 1-10V DIMMING — 1-10V dimming

 DALI DIMMING — DALI dimming

 PoE — Power over Ethernet

IoT

GIANT SERIES

Product No.: G2620

LED Recessed Weatherproof Downlight

G2620C-4   G2620S-4

Cutout: Ø90mm

Ø110mm

60mm

Cutout: 90x90mm

110x110mm

60mm

Optional waterproof driver box for DALI / TRIAC drivers

Material: ADC12 Aluminum, PC chromed reflector, stainless steel clips & tempered glass diffuser

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current
         IP67 for 1-10V, IP20 for DALI/TRIAC

Light Source: LED, 7~12W COB

Luminaire Power: 10W

Delivered lumen: 960lm @ 3000K & Ra>90
                  1080lm @ 3000K & Ra>80

Beam angle : 60°

Light distribution

60°

2.8m

Intensity distribution

60°

10W

263
527
791
1055

30   1319   30
  15   0   15
         cd/klm
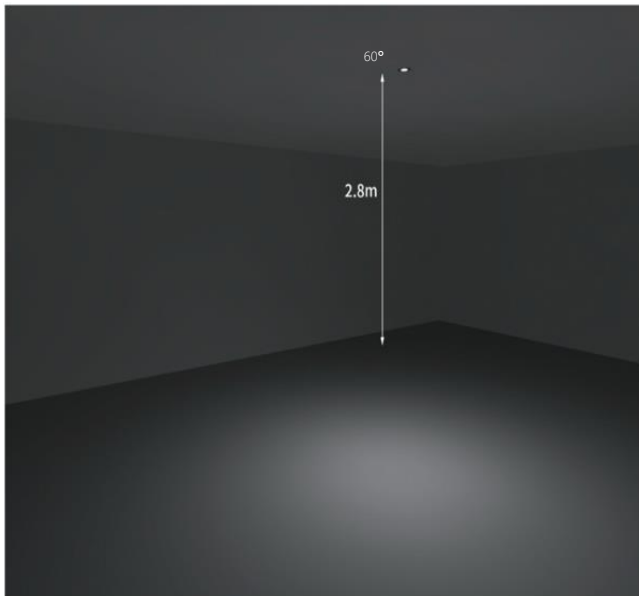
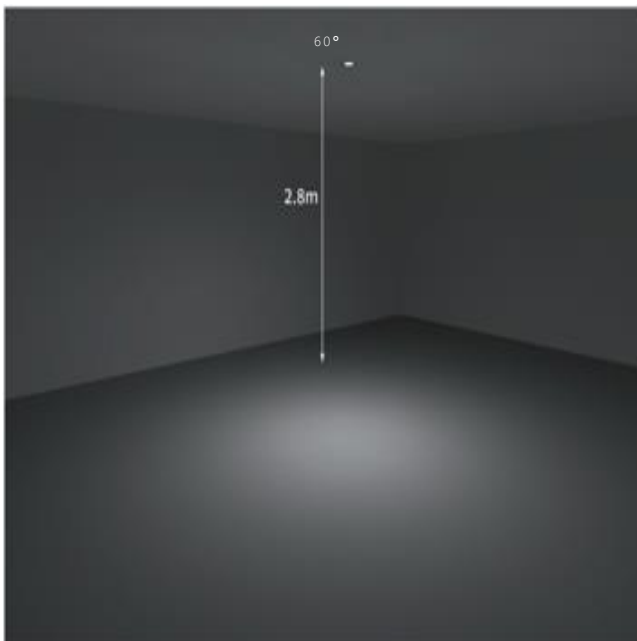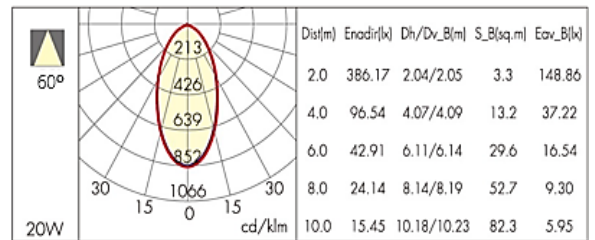| Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	228.10	1.88/1.88	2.8	92.07
4.0	57.03	3.76/3.76	11.3	23.02
6.0	25.34	5.64/5.65	25.3	10.23
8.0	14.26	7.52/7.53	45.0	5.75
10.0	9.12	9.40/9.41	70.4	3.68

GIANT SERIES

Product No.: G2620

LED Recessed Weatherproof Downlight

G2620C-5

G2620S-5
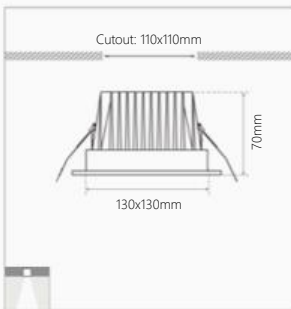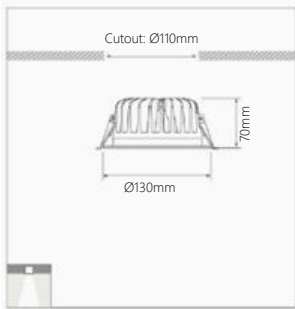
Cutout: Ø110mm

Ø130mm

70mm

Cutout: 110x110mm

130x130mm

70mm

Optional waterproof driver box for DALI / TRIAC drivers

Material: ADC12 Aluminum, PC chromed reflector, stainless steel clips & tempered glass diffuser

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current
        IP67 for 1-10V, IP20 for DALI/TRIAC

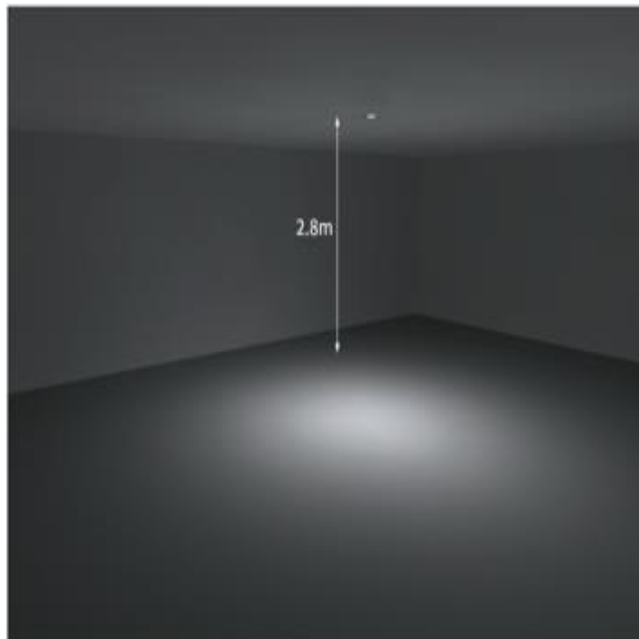Light Source: LED, 16~24W COB

Luminaire Power: 20W

Delivered lumen: 1600lm @ 3000K & Ra>90
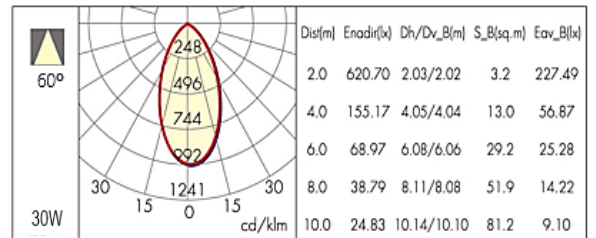   1800lm @ 3000K & Ra>80

Beam angle : 60°

Light distribution

60°

2.8m

Intensity distribution

60°

20W

213
426
639
852
30   30
15   1066   15
0
cd/klm

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	386.17	2.04/2.05	3.3	148.86
4.0	96.54	4.07/4.09	13.2	37.22
6.0	42.91	6.11/6.14	29.6	16.54
8.0	24.14	8.14/8.19	52.7	9.30
10.0	15.45	10.18/10.23	82.3	5.95

GIANT SERIES

Product No.: G2620

LED Recessed Weatherproof Downlight

G2620C-6

G2620S-6
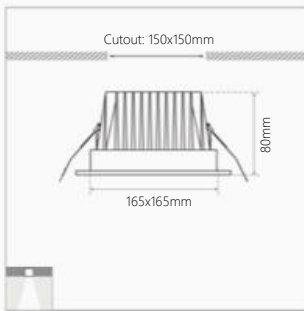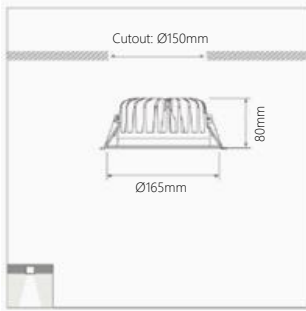
Cutout: Ø150mm

Ø165mm

80mm

Cutout: 150x150mm

165x165mm

80mm

Optional waterproof driver box for DALI / TRIAC drivers

Material: ADC12 Aluminum, PC chromed reflector, stainless steel clips & tempered glass diffuser

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current
        IP67 for 1-10V, IP20 for DALI/TRIAC

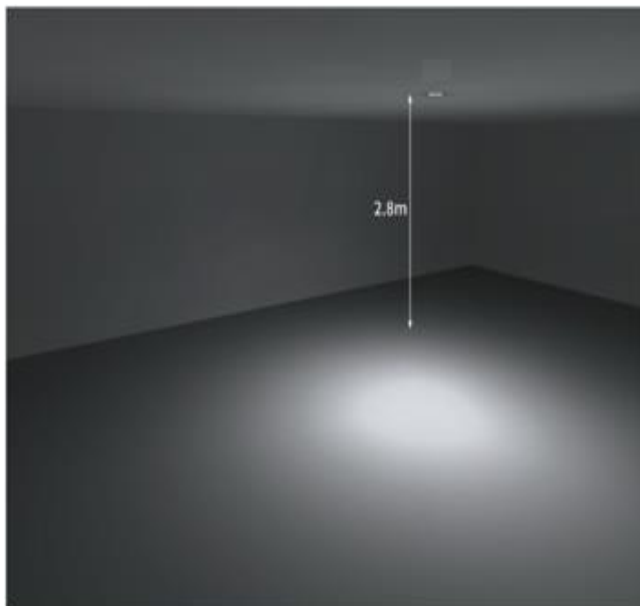Light Source: LED, 25~33W COB

Luminaire Power: 30W

Delivered lumen: 2400lm @ 3000K & Ra>90
                 2600lm @ 3000K & Ra>80

Beam angle : 60°

Light distribution

2.8m

Intensity distribution

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
60°	2.0	620.70	2.03/2.02	3.2	227.49
248	4.0	155.17	4.05/4.04	13.0	56.87
496	6.0	68.97	6.08/6.06	29.2	25.28
744	8.0	38.79	8.11/8.08	51.9	14.22
992					
1241					
30W	10.0	24.83	10.14/10.10	81.2	9.10
	cd/klm				

GIANT SERIES

LED Recessed Weatherproof Downlight

Product No.: G2620

G2620C-9   G2620S-9

Cutout: Ø225mm

90mm

Ø200mm

Cutout: 225x225mm

90mm

200x200mm

Optional waterproof driver box for DALI / TRIAC drivers
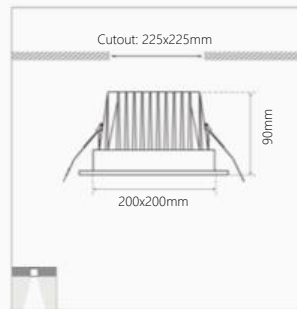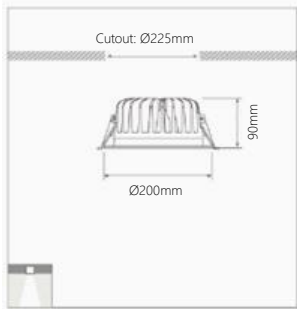
Material: ADC12 Aluminum, PC chromed reflector, stainless steel clips & tempered glass diffuser

Finish: Electrostatic powder coating

☐ White   ■ Black   ▨ Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current
            IP67 for 1-10V, IP20 for DALI/TRIAC

Light Source: LED, 32~50W COB

Luminaire Power: 40W

Delivered lumen: 3200lm @ 3000K & Ra>90
                          3400lm @ 3000K & Ra>80
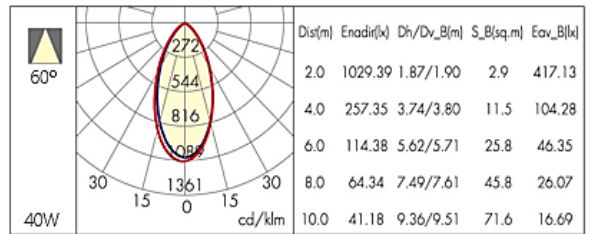
Beam angle : 60°

Light distribution

2.8m

Intensity distribution

60°		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	272	2.0	1029.39	1.87/1.90	2.9	417.13
	544	4.0	257.35	3.74/3.80	11.5	104.28
	816	6.0	114.38	5.62/5.71	25.8	46.35
30 1361 30		8.0	64.34	7.49/7.61	45.8	26.07
15 0 15						
40W	cd/klm	10.0	41.18	9.36/9.51	71.6	16.69

TERETE SERIES
LED Surface Mounted Downlight

Product No.: H2720

TERETE SERIES
LED Surface Mounted Downlight

Product No.:H2720

Terete series surface mounted downlight, sturdy body design, die-cast aluminum and superior polished housing with electrostatic powder coating. Being combined with high CRI / high lumen chip, precise optical lens, reflector, frosted tempered glass or honeycomb as option and deep anti-glare structure it provides excellent optical effect. With IP65 protection class structure & driver and professional installation accessories, the luminaire are easy to install and remove.

The luminaires are suitable for wet environment, which has high requirement on protection class and illuminance. And can be opted for airports hotels, convention centers supermarkets, and some specified indoor outdoor areas like awnings, soffits and canopies etc.

H2720C-SM-3	H2720C-SM-3.5	H2720C-SM-4	H2720C-SM-5	H2720C-SM-6
P175	P177	P179	P180	P181

H2720S-SM-3	H2720S-SM-4	H2720S-SM-5
P184	P185	P186

TERETE SERIES

LED Surface Mounted Downlight

Product No.:H2720

Excellent Thermal Management

Different Light optics

Different colour temperatures

Ceiling surface mount

Mid to high range CRI technology

Protection class IP65

Non dimmable

TRIAC dimming

1-10V dimming

DALI dimming

Power over Ethernet

TERETE SERIES
LED Surface Mounted Downlight

Product No.: H2720

TERETE SERIES

LED Surface Mounted Downlight

Product No.:H2720

H2720C-SM-3

Material: ADC12 Aluminum, PC chromated reflector, tempered glass diffuser

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current waterproof driver
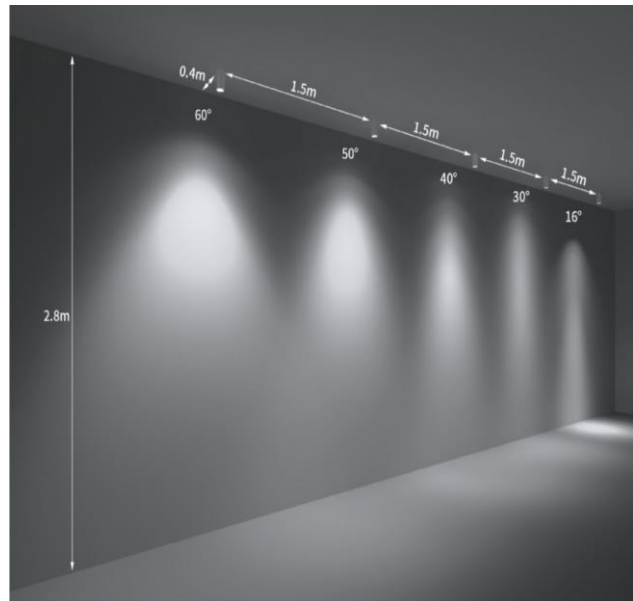
Light Source: LED, 7~12W COB

Luminaire Power: 7W & 12W

Delivered lumen: 500lm / 950lm @ 3000K & Ra>90
                          550lm / 1040lm @ 3000K & Ra>80

Beam angle: 16°, 30°, 40°, 50° & 60°
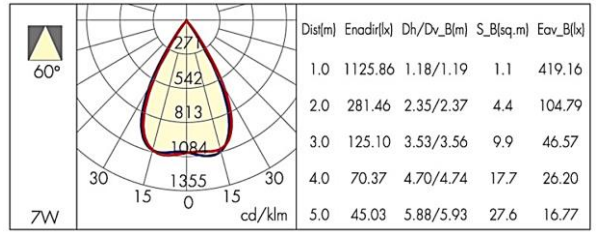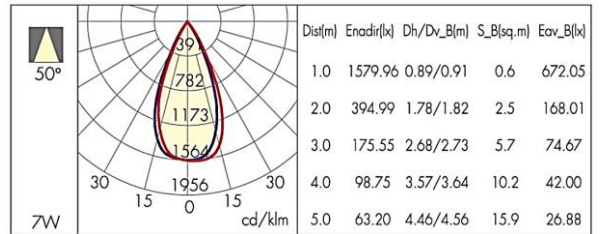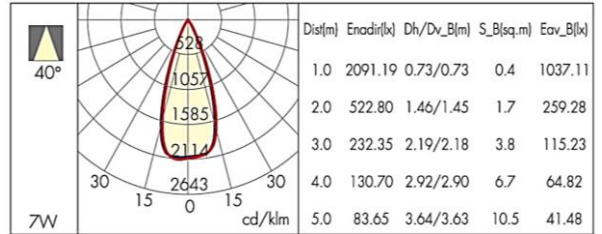
114mm

Ø70mm

Optional honeycomb louvre

Light distribution

0.4m   1.5m   1.5m   1.5m   1.5m
60°   50°   40°   30°   16°
2.8m

TERETE SERIES

LED Surface Mounted Downlight

Product No.:H2720

H2720C-SM-3

Intensity distribution

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	6514.21	0.29/0.29	0.1	4330.67
2.0	1628.55	0.58/0.58	0.3	1082.67
3.0	723.80	0.87/0.88	0.6	481.19
4.0	407.14	1.15/1.17	1.1	270.67
5.0	260.57	1.44/1.46	1.7	173.23

16° 7W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	2607.63	0.53/0.53	0.2	1514.54
2.0	651.91	1.06/1.06	0.9	378.64
3.0	289.74	1.60/1.59	2.0	168.28
4.0	162.98	2.13/2.12	3.6	94.66
5.0	104.31	2.66/2.65	5.6	60.58

30° 7W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	2091.19	0.73/0.73	0.4	1037.11
2.0	522.80	1.46/1.45	1.7	259.28
3.0	232.35	2.19/2.18	3.8	115.23
4.0	130.70	2.92/2.90	6.7	64.82
5.0	83.65	3.64/3.63	10.5	41.48

40° 7W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1579.96	0.89/0.91	0.6	672.05
2.0	394.99	1.78/1.82	2.5	168.01
3.0	175.55	2.68/2.73	5.7	74.67
4.0	98.75	3.57/3.64	10.2	42.00
5.0	63.20	4.46/4.56	15.9	26.88

50° 7W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1125.86	1.18/1.19	1.1	419.16
2.0	281.46	2.35/2.37	4.4	104.79
3.0	125.10	3.53/3.56	9.9	46.57
4.0	70.37	4.70/4.74	17.7	26.20
5.0	45.03	5.88/5.93	27.6	16.77

60° 7W

TERETE SERIES

LED Surface Mounted Downlight

Product No.:H2720

H2720C-SM-3.5

Material: ADC12 Aluminum, PC chromated reflector & tempered glass diffuser

Finish: Electrostatic powder coating

White   Black   Grey

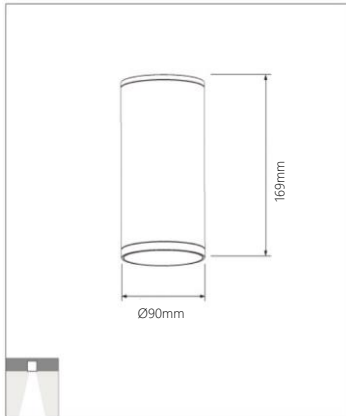CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current waterproof driver

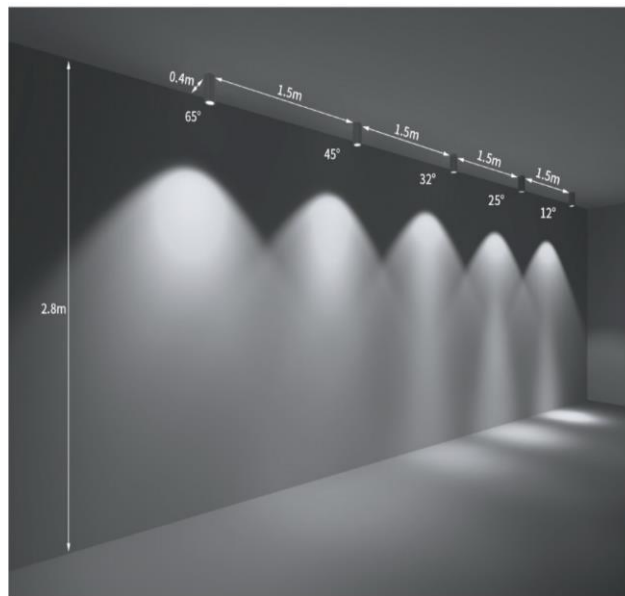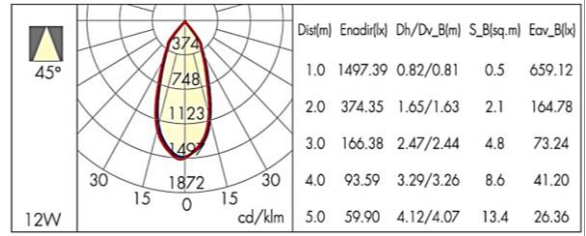Light Source: LED, 12~20W COB

Luminaire Power: 12W & 20W

Delivered lumen: 850lm / 1600lm @ 3000K & Ra>90
930lm / 1760lm @ 3000K & Ra>80

Beam angle: 12°, 25°, 32°, 45° & 65°

169mm

Ø90mm

Optional honeycomb louvre

Light distribution

TERETE SERIES

LED Surface Mounted Downlight

Product No.:H2720

H2720C-SM-3.5

Intensity distribution

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	9059.16	0.22/0.22	0.0	5889.77
2.0	2264.79	0.44/0.43	0.2	1472.44
3.0	1006.57	0.66/0.65	0.3	654.42
4.0	566.20	0.88/0.87	0.6	368.11
5.0	362.37	1.09/1.09	1.0	235.59

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	4092.91	0.39/0.39	0.1	2767.12
2.0	1023.23	0.78/0.78	0.5	691.78
3.0	454.77	1.17/1.17	1.1	307.46
4.0	255.81	1.56/1.56	1.9	172.95
5.0	163.72	1.94/1.94	3.0	110.68

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	2933.08	0.46/0.45	0.2	1877.22
2.0	733.27	0.91/0.91	0.7	469.30
3.0	325.90	1.37/1.36	1.5	208.58
4.0	183.32	1.82/1.82	2.6	117.33
5.0	117.32	2.28/2.27	4.1	75.09

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1497.39	0.82/0.81	0.5	659.12
2.0	374.35	1.65/1.63	2.1	164.78
3.0	166.38	2.47/2.44	4.8	73.24
4.0	93.59	3.29/3.26	8.6	41.20
5.0	59.90	4.12/4.07	13.4	26.36

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	987.37	1.28/1.25	1.3	344.06
2.0	246.84	2.55/2.50	5.0	86.02
3.0	109.71	3.83/3.75	11.3	38.23
4.0	61.71	5.11/5.00	20.1	21.50
5.0	39.49	6.38/6.25	31.5	13.76

TERETE SERIES

Product No.:H2720

LED Surface Mounted Downlight

H2720C-SM-4

Material: ADC12 Aluminum, PC chromated reflector & tempered glass diffuser

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K
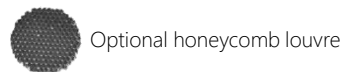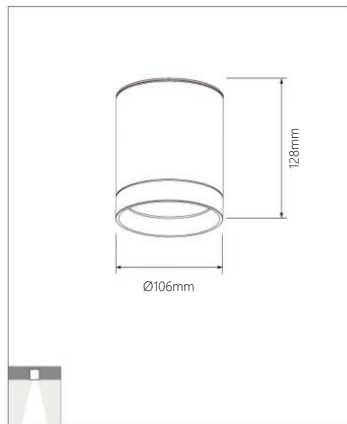
Ra: >80 (Standard). >90 (Optional)

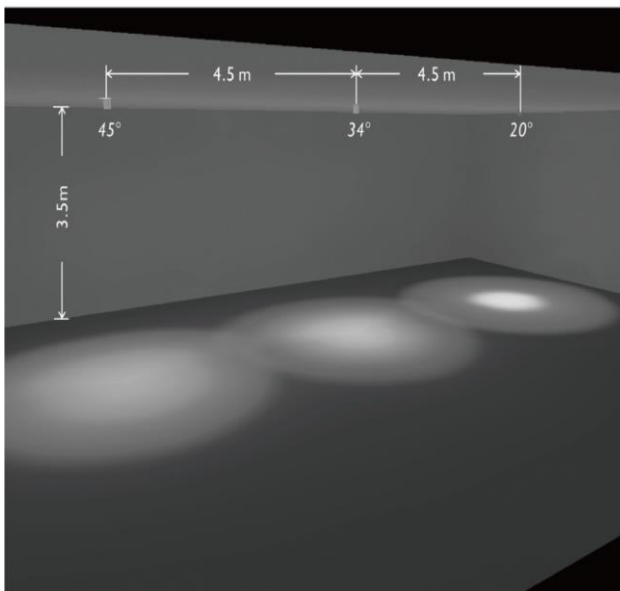Driver: Remote, constant current waterproof driver

Light Source: LED, 12~20W COB

Luminaire Power: 14W

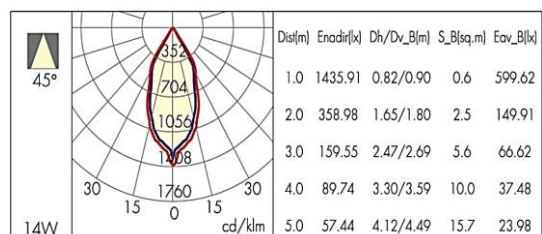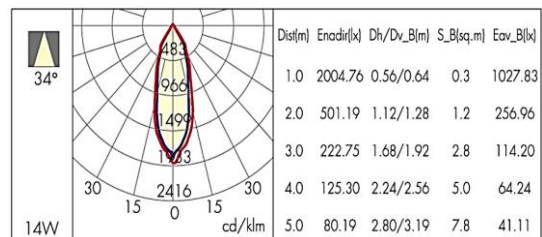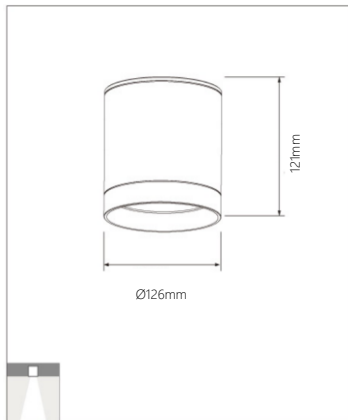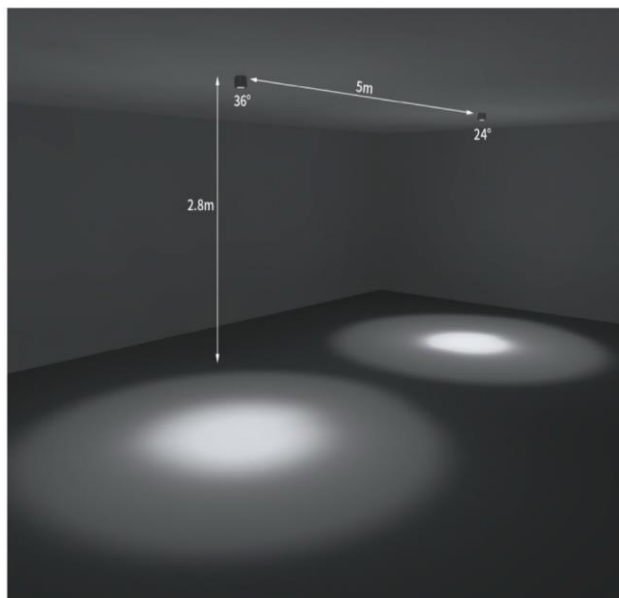Delivered lumen: 1050lm @ 3000K & Ra>90
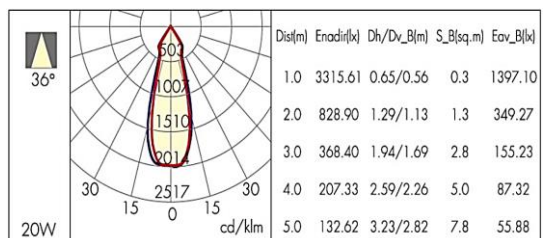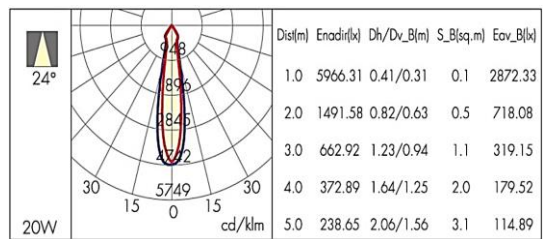1130lm @ 3000K & Ra>80

Beam angle: 20°, 34° & 45°

128mm

Ø106mm

Optional honeycomb louvre

Light distribution

4.5 m   4.5 m

45°   34°   20°

3.5m

Intensity distribution

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
20°	1.0	4555.76	0.29/0.37	0.1	3172.58
	2.0	1138.94	0.58/0.75	0.4	793.15
	3.0	506.20	0.86/1.12	0.9	352.51
	4.0	274.73	1.15/1.49	1.7	198.29
14W	5.0	182.23	1.44/1.87	2.6	126.90

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
34°	1.0	2004.76	0.56/0.64	0.3	1027.83
	2.0	501.19	1.12/1.28	1.2	256.96
	3.0	222.75	1.68/1.92	2.8	114.20
	4.0	125.30	2.24/2.56	5.0	64.24
14W	5.0	80.19	2.80/3.19	7.8	41.11

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
45°	1.0	1435.91	0.82/0.90	0.6	599.62
	2.0	358.98	1.65/1.80	2.5	149.91
	3.0	159.55	2.47/2.69	5.6	66.62
	4.0	89.74	3.30/3.59	10.0	37.48
14W	5.0	57.44	4.12/4.49	15.7	23.98

TERETE SERIES

LED Surface Mounted Downlight

Product No.:H2720

H2720C-SM-5

Material: ADC12 Aluminum, PC chromated reflector & tempered glass diffuser

Finish: Electrostatic powder coating

White | Black | Grey
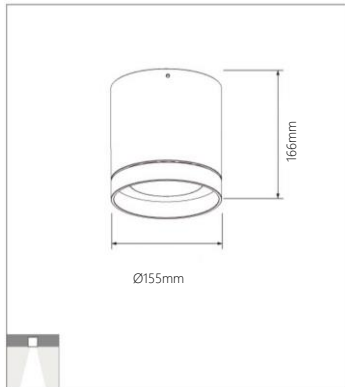
CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current waterproof driver

Light Source: LED, 12~20W COB

Luminaire Power: 20W

Delivered lumen: 1650lm @ 3000K & Ra>90
                 1810lm @ 3000K & Ra>80

Beam angle: 24° & 36°

121mm

Ø126mm

Optional honeycomb louvre

Light distribution

5m

36°   24°

2.8m

Intensity distribution

	24° 20W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
		1.0	5966.31	0.41/0.31	0.1	2872.33
		2.0	1491.58	0.82/0.63	0.5	718.08
		3.0	662.92	1.23/0.94	1.1	319.15
		4.0	372.89	1.64/1.25	2.0	179.52
		5.0	238.65	2.06/1.56	3.1	114.89

	36° 20W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
		1.0	3315.61	0.65/0.56	0.3	1397.10
		2.0	828.90	1.29/1.13	1.3	349.27
		3.0	368.40	1.94/1.69	2.8	155.23
		4.0	207.33	2.59/2.26	5.0	87.32
		5.0	132.62	3.23/2.82	7.8	55.88

TERETE SERIES

LED Surface Mounted Downlight

Product No.:H2720

H2720C-SM-6

Material: ADC12 Aluminum, PC chromated reflector & tempered glass diffuser

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current waterproof driver

Light Source: LED, 30~50W COB
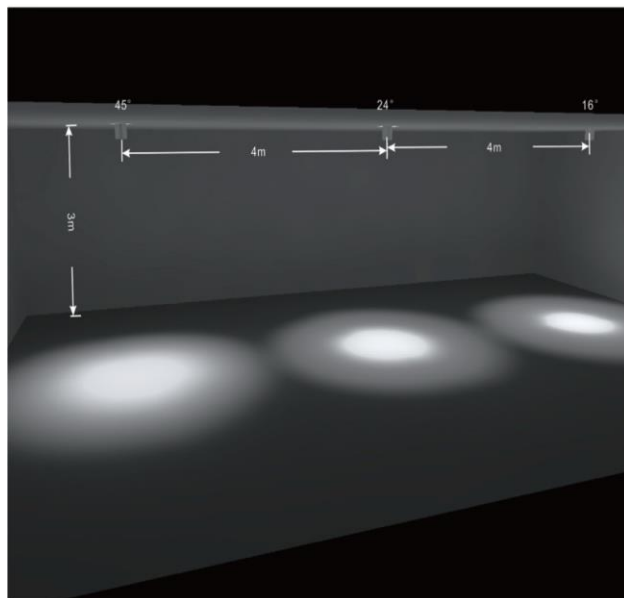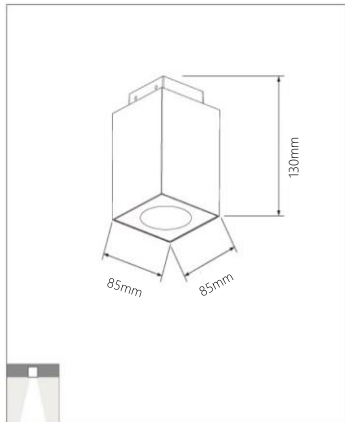
Luminaire Power: 32W & 42W

Delivered lumen: 3000lm/4000lm @ 3000K & Ra>90
                          3300lm/4000lm @ 3000K & Ra>80

Beam angle: 16°, 24° & 45°

166mm

Ø155mm

Optional honeycomb louvre

Light distribution

45°   24°   16°

4m   4m

3m

Intensity distribution

16°		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2136		2.0	6097.03	0.47/0.48	0.2	4399.90
4373		4.0	1524.26	0.95/0.96	0.8	1099.98
6569		6.0	677.45	1.42/1.44	1.7	488.88
8746		8.0	381.45	1.89/1.92	3.1	274.99
30 10932 30		10.8	243.88	2.37/2.39	4.8	176.00
15 0 15						
32W	cd/klm					

24°		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1080		2.0	3393.46	0.78/0.76	0.5	2191.34
2160		4.0	848.36	1.57/1.53	1.9	547.83
3240		6.0	377.05	2.35/2.29	4.4	243.48
4301		8.0	212.09	3.13/3.06	7.8	136.96
30 5401 30		10.8	135.74	3.91/3.82	12.2	87.65
15 0 15						
32W	cd/klm					

45°		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
428		2.0	1359.53	1.65/1.64	2.1	590.60
856		4.0	339.88	3.30/3.27	8.6	147.65
1284		6.0	151.06	4.95/4.91	19.3	65.62
1712		8.0	84.97	6.60/6.55	34.4	36.91
30 2140 30		10.8	54.38	8.25/8.19	53.7	23.62
15 0 15						
32W	cd/klm					

国内到达
Domestic
Arrivals

VIP 贵宾室
VIP Room

TERETE SERIES

LED Surface Mounted Downlight

Product No.:H2720

Excellent Thermal Management

Different Light optics

Different colour temperatures

Ceiling surface mount

Mid to high range CRI technology

Protection class IP65

NON DIMMABLE — Non dimmable

TRIAC DIMMING — TRIAC dimming

1-10V DIMMING — 1-10V dimming

DALI DIMMING — DALI dimming

PoE — Power over Ethernet

IoT

TERETE SERIES

LED Surface Mounted Downlight

Product No.:H2720

H2720S-SM-3

Material: ADC12 Aluminum, PC chromated reflector & tempered glass diffuser

Finish: Electrostatic powder coating

☐ White   ■ Black   ■ Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current waterproof driver

Light Source: LED, 12~20W COB

Luminaire Power: 10W

Delivered lumen: 880lm @ 3000K & Ra>90
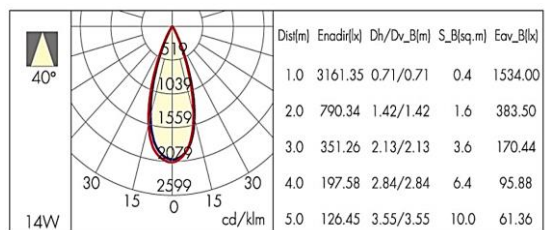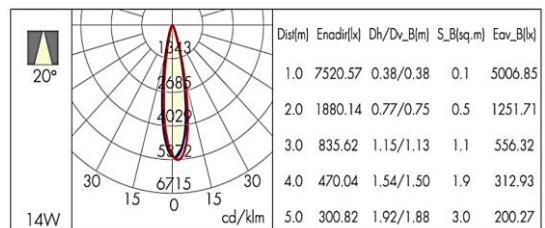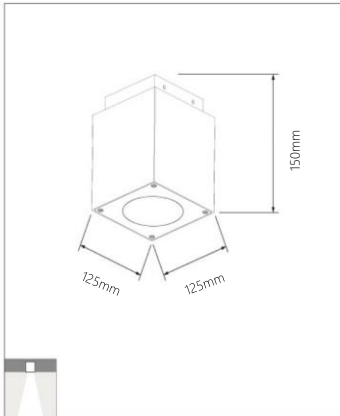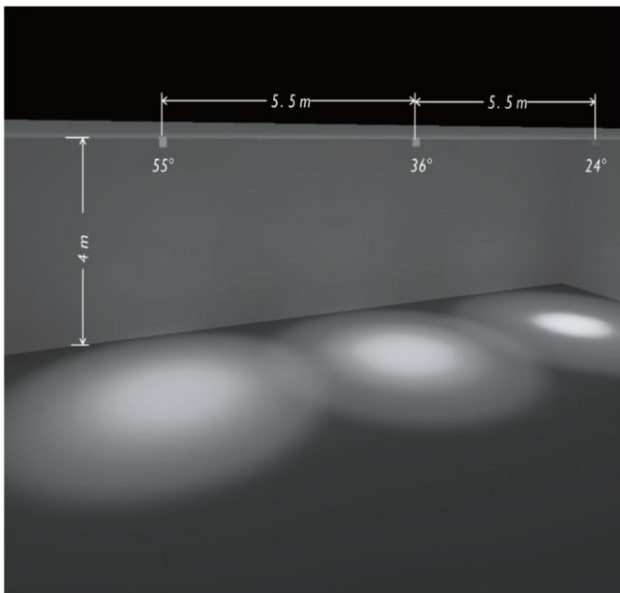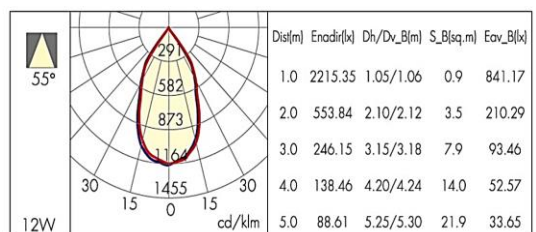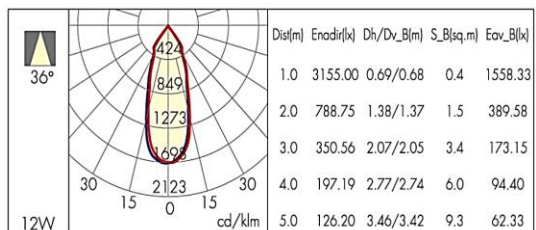   960lm @ 3000K & Ra>80

Beam angle: 24°, 33°, 45° & 60°

130mm
85mm   85mm

Optional honeycomb louvre

Light distribution

Intensity distribution

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
24°	1.0	4489.07	0.39/0.39	0.1	2972.27
	2.0	1122.27	0.77/0.77	0.5	743.07
	3.0	498.79	1.16/1.16	1.1	330.25
	4.0	280.57	1.54/1.55	1.9	185.77
10W	5.0	179.56	1.93/1.94	3.0	118.89

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
33°	1.0	2649.75	0.56/0.57	0.3	1451.13
	2.0	662.44	1.12/1.13	1.0	362.78
	3.0	294.42	1.68/1.70	2.3	161.24
	4.0	165.61	2.24/2.27	4.0	90.70
10W	5.0	105.99	2.80/2.83	6.3	58.05

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
45°	2.0	1580.11	0.83/0.82	0.5	710.62
	4.0	395.03	1.66/1.64	2.2	177.65
	6.0	175.57	2.49/2.47	4.8	78.96
	8.0	98.76	3.31/3.29	8.6	44.41
10W	10.8	63.20	4.14/4.11	13.5	28.42

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
60°	1.0	987.37	1.28/1.25	1.3	344.06
	2.0	246.84	2.55/2.50	5.0	86.02
	3.0	109.71	3.83/3.75	11.3	38.23
	4.0	61.71	5.11/5.00	20.1	21.50
10W	5.0	39.49	6.38/6.25	31.5	13.76

TERETE SERIES

LED Surface Mounted Downlight

H2720S-SM-4

Material: ADC12 Aluminum, PC chromated reflector & tempered glass diffuser

Finish: Electrostatic powder coating

| | White | | Black | | Grey |

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Remote, constant current waterproof driver

Light Source: LED, 12~20W COB

Luminaire Power 14W
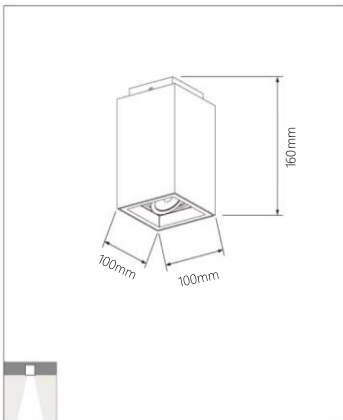
Delivered lumen: 1200lm @ 3000K & Ra>90
1320lm @ 3000K & Ra>80

Beam angle: 20° & 40°

160mm

100mm   100mm

Optional honeycomb louvre

Light distribution

0.4m

1.5m

38°   24°

2.8m

Intensity distribution

20° 14W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1843	1.0	7520.57	0.38/0.38	0.1	5006.85
2686	2.0	1880.14	0.77/0.75	0.5	1251.71
4029	3.0	835.62	1.15/1.13	1.1	556.32
5372	4.0	470.04	1.54/1.50	1.9	312.93
6715	5.0	300.82	1.92/1.88	3.0	200.27

40° 14W	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
519	1.0	3161.35	0.71/0.71	0.4	1534.00
1039	2.0	790.34	1.42/1.42	1.6	383.50
1559	3.0	351.26	2.13/2.13	3.6	170.44
2079	4.0	197.58	2.84/2.84	6.4	95.88
2599	5.0	126.45	3.55/3.55	10.0	61.36

TERETE SERIES

LED Surface Mounted Downlight

Product No.:H2720

H2720S-SM-5

Material: ADC12 Aluminum, PC chromated reflector & tempered glass diffuser

Finish: Electrostatic powder coating

☐ White ■ Black ■ Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

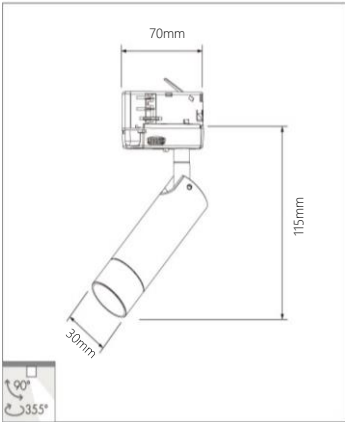Driver: Remote, constant current waterproof driver

Light Source: LED, 12~20W COB

Luminaire Power: 12W & 20W

Delivered lumen: 960lm / 1800lm @ 3000K & Ra>90
                 1060lm / 1980lm @ 3000K & Ra>80

Beam angle: 24°, 36° & 55°

150mm

125mm   125mm

Optional honeycomb louvre

Light distribution

5.5 m   5.5 m

55°   36°   24°

4 m

Intensity distribution

24° 12W

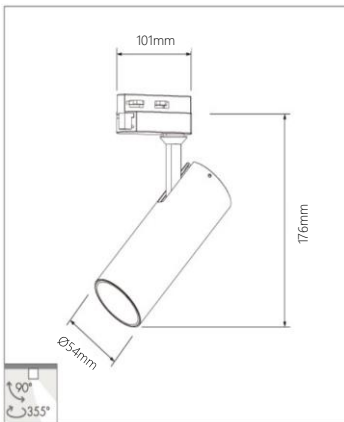| Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	7027.14	0.38/0.38	0.1	4851.38
2.0	1756.79	0.76/0.75	0.5	1212.85
3.0	780.79	1.15/1.13	1.0	539.04
4.0	439.20	1.53/1.51	1.8	303.21
5.0	281.09	1.91/1.89	2.9	194.06

994
983
982
497
4971

36° 12W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	3155.00	0.69/0.68	0.4	1558.33
2.0	788.75	1.38/1.37	1.5	389.58
3.0	350.56	2.07/2.05	3.4	173.15
4.0	197.19	2.77/2.74	6.0	94.40
5.0	126.20	3.46/3.42	9.3	62.33

424
849
1273
169
2123

55° 12W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	2215.35	1.05/1.06	0.9	841.17
2.0	553.84	2.10/2.12	3.5	210.29
3.0	246.15	3.15/3.18	7.9	93.46
4.0	138.46	4.20/4.24	14.0	52.57
5.0	88.61	5.25/5.30	21.9	33.65

291
582
873
1164
1455

TRACK SERIES
LED Track Spotlight

TRACK SERIES   Product No.: J2820

LED Track Spotlight

Track series of surface mounted track & luminaires consists of sturdy body design of aluminum alloy and CNC precision machining with an electrostatic powder coating. Being combined with high CRI / high lumen chips, precise optical lens and deep anti-glare structure, with half frosted acrylic diffuser and honeycomb as option, it shows excellent anti-glare effect with standard 3/4 line adaptor and track, body rotatable and adjustable upwards & downwards, which increases the flexibility.

The luminaires are suitable for application requiring accent lighting, like restaurants, boutiques, supermarkets, villas, clubs & exhibition halls etc.

J2820-TR-4	J2820-TR-6	J2820-TR-8
P191	P192	P193

J2820-SM-7.5	J2820-TR-7.5
P196	P196

J2821-SM-7.5	J2821-TR-7.5	J2821-SM-8	J2821-TR-8	J2821-TR-8.5
P199	P199	P200	P200	P201

IoT

TRACK SERIES

LED Track Spotlight

Product No.: J2820

Excellent Thermal Management

Different Light optics

Different colour temperatures

Single / multi circuit track or surface mount

Accessories for high visual comfort

Protection class IP20

NON DIMMABLE — Non dimmable

TRIAC DIMMING — TRIAC dimming

1-10V DIMMING — 1-10V dimming

DALI DIMMING — DALI dimming

PoE — Power over Ethernet

IoT

TRACK SERIES

LED Track Spotlight

Product No.: J2820

J2820-TR-4

Material: ADC12 Aluminum, PC optic lens & 3 circuit adaptor

Finish: Electrostatic powder coating

| | White | | Black | | Grey |

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

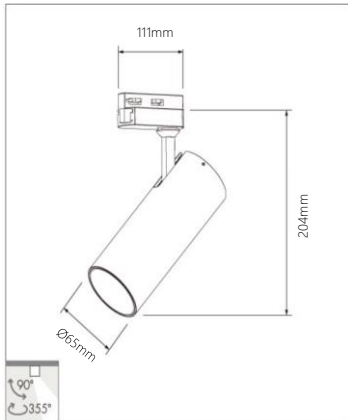Driver: Integral, constant current waterproof driver

Light Source: LED, 4~7W COB

Luminaire Power: 4W

Delivered lumen: 350lm @ 3000K & Ra>90
                        385lm @ 3000K & Ra>80

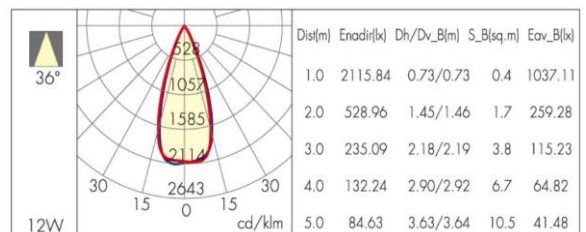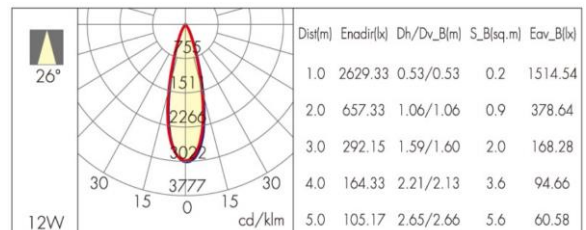Beam angle: 20°, 28° & 42°

Tilt angle: 90°
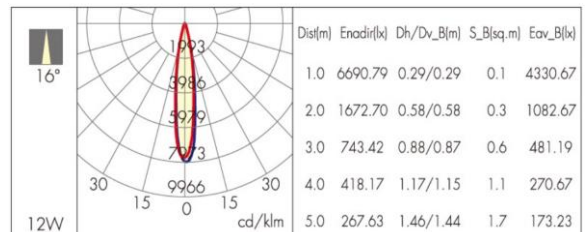
Rotation: 355°

70mm

115mm

30mm

90°
355°

Intensity distribution

20° 4W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	2094.74	0.38/0.37	0.1	1158.32
2.0	523.68	0.75/0.75	0.5	289.58
3.0	232.75	1.13/1.12	1.0	128.70
4.0	130.92	1.50/1.50	1.8	72.40
5.0	83.79	1.88/1.87	2.9	46.33

28° 4W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1041.13	0.44/0.45	0.2	666.12
2.0	260.28	0.88/0.91	0.6	166.53
3.0	115.68	1.32/1.36	1.4	74.01
4.0	65.07	1.76/1.81	2.5	41.63
5.0	41.65	2.20/2.27	4.0	26.64

42° 4W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	715.84	0.63/0.62	0.3	376.34
2.0	178.96	1.26/1.24	1.2	94.08
3.0	79.54	1.88/1.86	2.8	41.82
4.0	44.74	2.51/2.48	5.0	23.52
5.0	28.63	3.14/3.10	7.8	15.05

Light distribution

0.8m

1.5m

1.5m

42°

28°

20°

2.8m
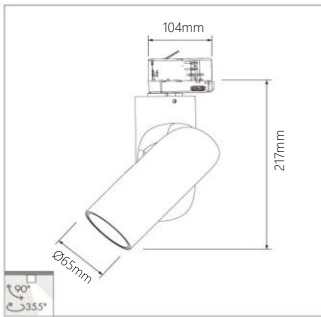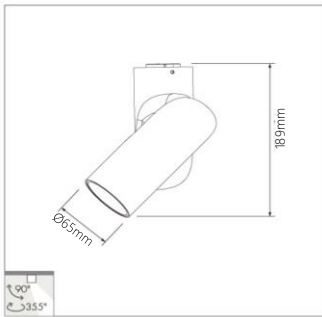
TRACK SERIES

LED Track Spotlight

Product No.: J2820

J2820-TR-6

Material: ADC12 Aluminum, PC optic lens & 3 circuit adaptor

Finish: Electrostatic powder coating

☐ White   ■ Black   ■ Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Integral, constant current waterproof driver
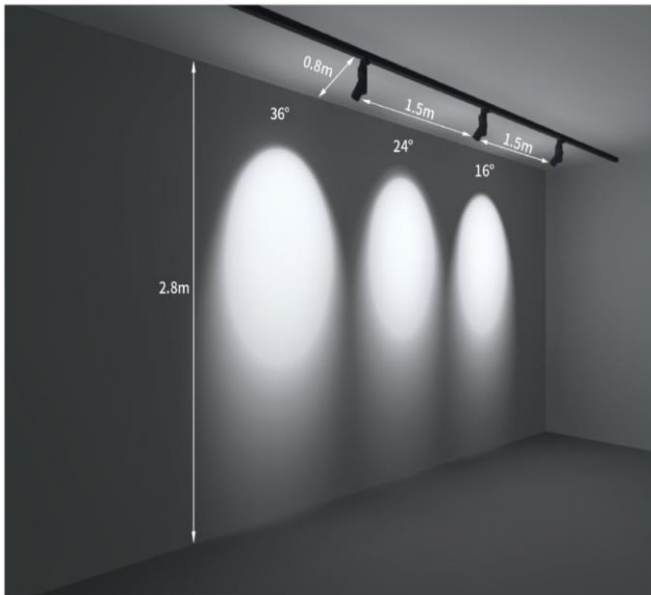
Light Source: LED, 7~12W COB

Luminaire Power: 8W

Delivered lumen: 420lm @ 3000K & Ra>90
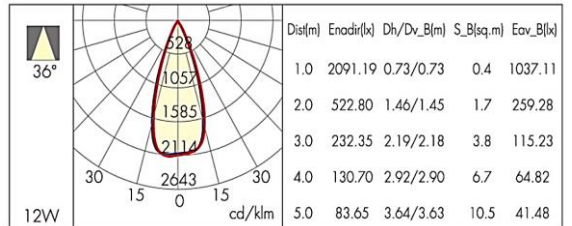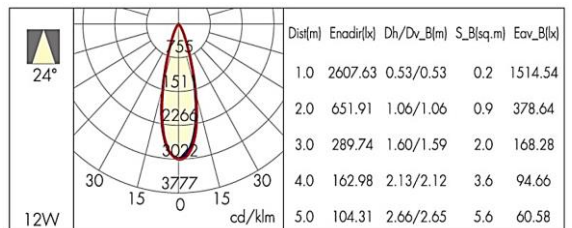   460lm @ 3000K & Ra>80

Beam angle: 28°, 40° & 54°

Tilt angle: 90°

Rotation: 355°

101mm

176mm

Ø54mm

90°
355°

Optional honeycomb louvre

Light distribution

0.8m
40°
1.5m
28°
2.8m

Intensity distribution

28°		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	877	1.0	1341.50	0.50/0.49	0.2	810.65
	1955	2.0	335.38	0.99/0.98	0.8	202.66
	2933	3.0	149.06	1.49/1.48	1.7	90.07
	3910	4.0	83.84	1.98/1.97	3.1	50.67
8W	4888	5.0	53.66	2.48/2.46	4.8	32.43

40°		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
	533	1.0	805.43	0.75/0.76	0.5	375.79
	1067	2.0	201.36	1.51/1.52	1.8	93.95
	1601	3.0	89.49	0.26/2.27	4.1	41.75
	2135	4.0	50.34	3.01/3.03	7.2	23.49
8W	2669	5.0	32.22	3.77/3.79	11.3	15.03
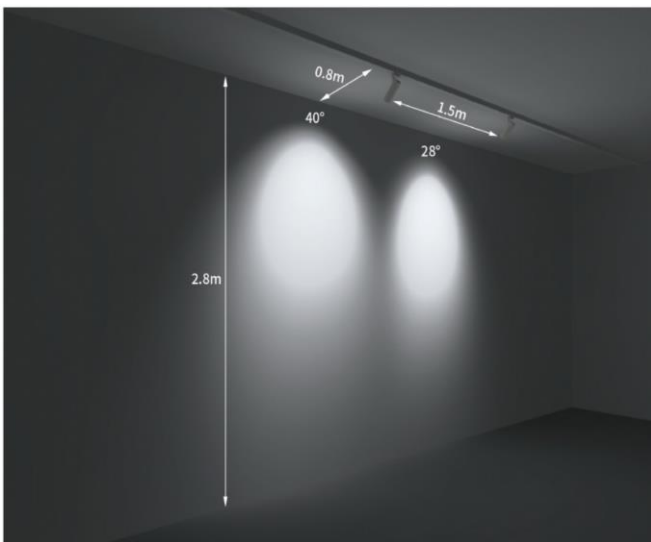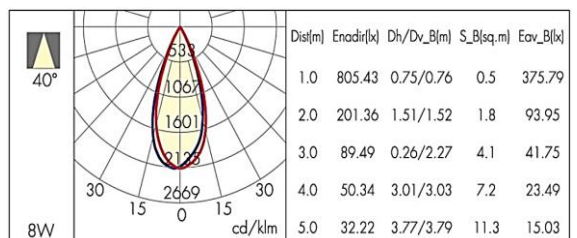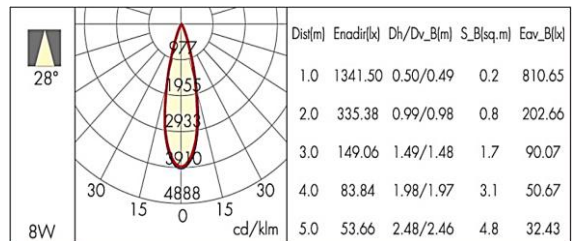
TRACK SERIES

LED Track Spotlight

Product No.: J2820

J2820-TR-8

Material: ADC12 Aluminum, PC optic lens & 3 circuit adaptor

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Integral, constant current waterproof driver

Light Source: LED, 12~20W COB

Luminaire Power: 12W

Delivered lumen: 850lm @ 3000K & Ra>90
935lm @ 3000K & Ra>80

Beam angle: 16°, 26° & 36°

Tilt angle: 90°

Rotation: 355°

111mm

204mm

Ø65mm

90°
355°

Optional honeycomb louvre

Light distribution

0.8m
1.5m
1.5m
36°
26°
16°
2.8m

Intensity distribution

16° 12W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	6690.79	0.29/0.29	0.1	4330.67
2.0	1672.70	0.58/0.58	0.3	1082.67
3.0	743.42	0.88/0.87	0.6	481.19
4.0	418.17	1.17/1.15	1.1	270.67
5.0	267.63	1.46/1.44	1.7	173.23

cd/klm

26° 12W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	2629.33	0.53/0.53	0.2	1514.54
2.0	657.33	1.06/1.06	0.9	378.64
3.0	292.15	1.59/1.60	2.0	168.28
4.0	164.33	2.21/2.13	3.6	94.66
5.0	105.17	2.65/2.66	5.6	60.58

cd/klm

36° 12W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	2115.84	0.73/0.73	0.4	1037.11
2.0	528.96	1.45/1.46	1.7	259.28
3.0	235.09	2.18/2.19	3.8	115.23
4.0	132.24	2.90/2.92	6.7	64.82
5.0	84.63	3.63/3.64	10.5	41.48

cd/klm

TRACK SERIES

LED Track Spotlight

Product No.: J2820

 Excellent Thermal Management

 Different Light optics

 Different colour temperatures

 Single / multi circuit track or surface mount

 Accessories for high visual comfort

 Protection class IP20

 Non dimmable

 TRIAC dimming
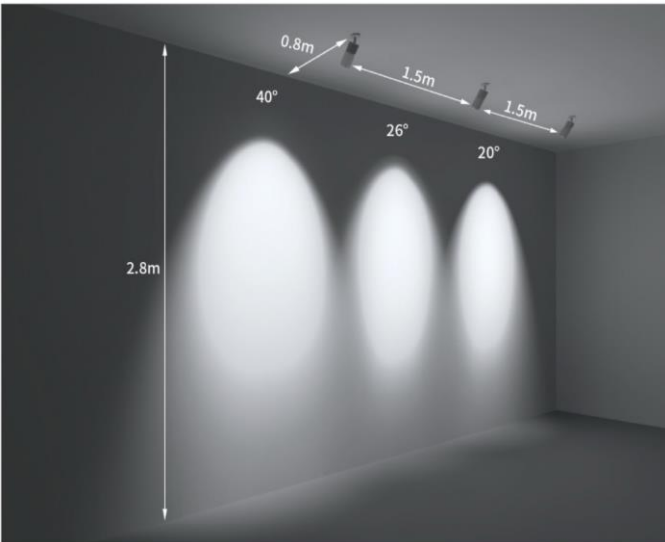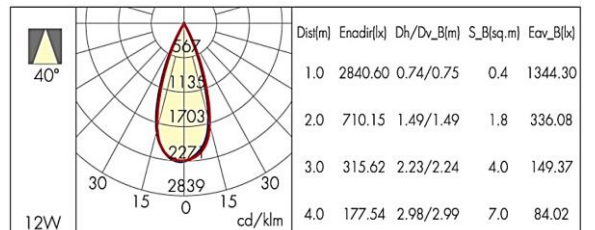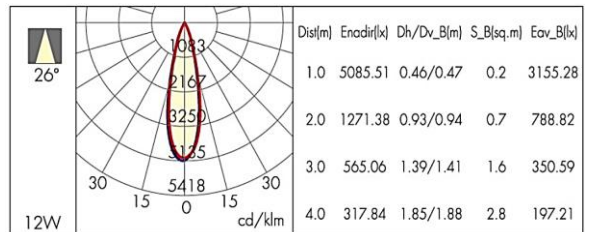
 1-10V dimming

 DALI dimming

 Power over Ethernet

TRACK SERIES

LED Track Spotlight

Product No.: J2820

J2820-SM-7.5

J2820-TR-7.5

Material: ADC12 Aluminum, PC optic lens, 3 circuit adaptor

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Integral, constant current waterproof driver
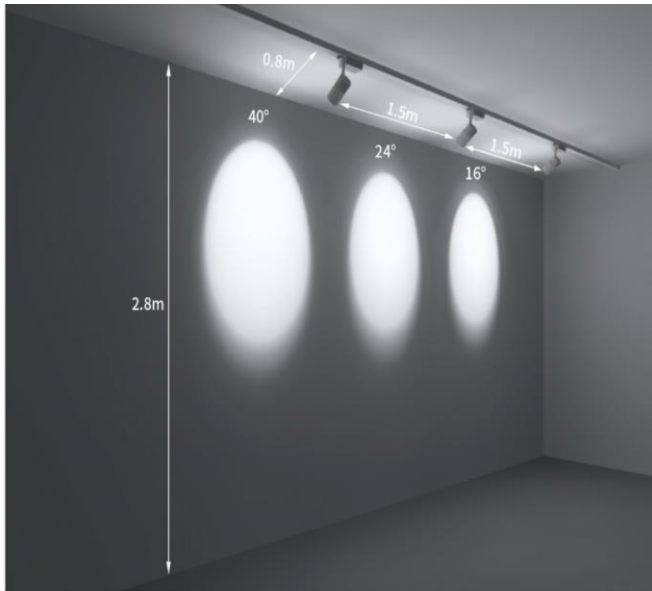
Light Source: LED, 7~12W COB

Luminaire Power: 12W

Delivered lumen: 950lm @ 3000K & Ra>90
                 1045lm @ 3000K & Ra>80

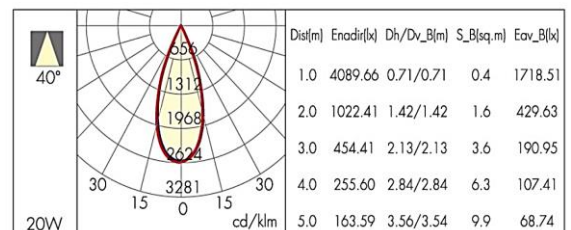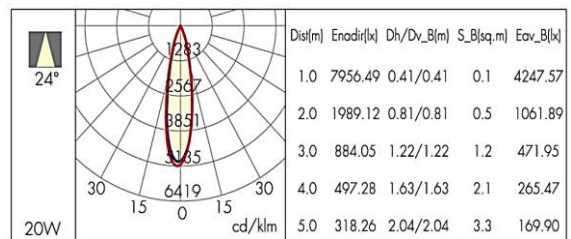Beam angle: 16°, 24° & 36°

Tilt angle: 90°

Rotation: 355°

104mm

189mm

217mm

Ø65mm

Ø65mm

90°

355°

90°

355°

Light distribution

0.8m

1.5m

1.5m

36°

24°

16°

2.8m

Intensity distribution

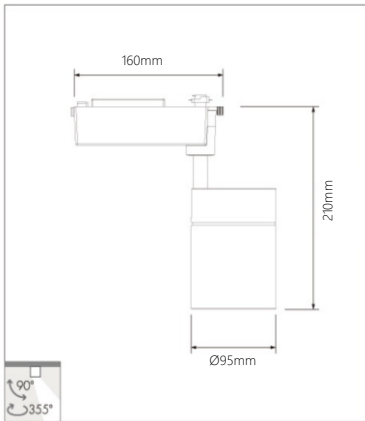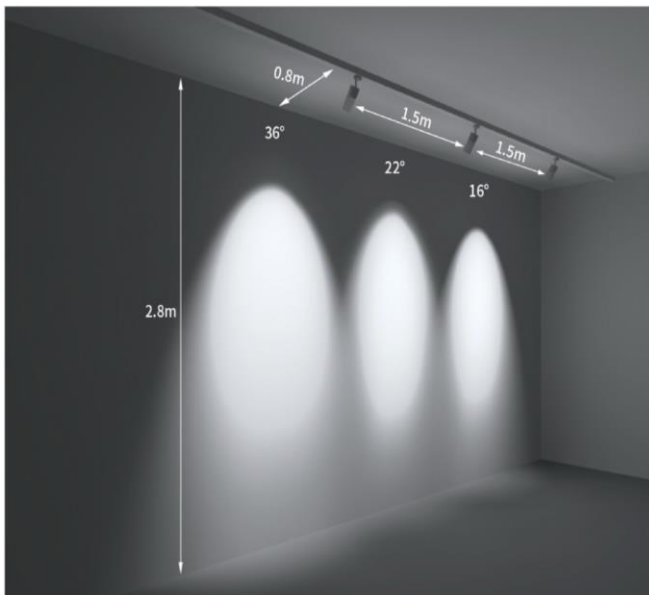| 16° 12W		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1903		1.0	6514.21	0.29/0.29	0.1	4330.67
3985		2.0	1628.55	0.58/0.58	0.3	1082.67
5979		3.0	723.80	0.87/0.87	0.6	481.19
7973		4.0	407.14	1.15/1.17	1.1	270.67
9966 cd/klm		5.0	260.57	1.44/1.46	1.7	173.23

24° 12W		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
755		1.0	2607.63	0.53/0.53	0.2	1514.54
1511		2.0	651.91	1.06/1.06	0.9	378.64
2266		3.0	289.74	1.60/1.59	2.0	168.28
3022		4.0	162.98	2.13/2.12	3.6	94.66
3777 cd/klm		5.0	104.31	2.66/2.65	5.6	60.58

36° 12W		Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
528		1.0	2091.19	0.73/0.73	0.4	1037.11
1057		2.0	522.80	1.46/1.45	1.7	259.28
1585		3.0	232.35	2.19/2.18	3.8	115.23
2114		4.0	130.70	2.92/2.90	6.7	64.82
2643 cd/klm		5.0	83.65	3.64/3.63	10.5	41.48

TRACK SERIES

Product No.: J2820

LED Track Spotlight

Excellent Thermal Management

Different Light optics

Different colour temperatures

Single / multi circuit track or surface mount

Accessories for high visual comfort

Protection class IP20

NON DIMMABLE — Non dimmable

TRIAC DIMMING — TRIAC dimming

1-10V DIMMING — 1-10V dimming

DALI DIMMING — DALI dimming

PoE — Power over Ethernet

TRACK SERIES

LED Track Spotlight

Product No.: J2820

J2821-SM-7.5

J2821-TR-7.5
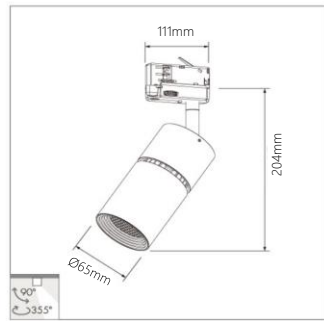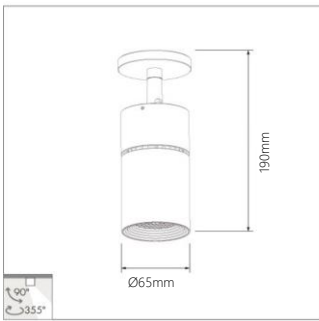
190mm

Ø65mm

90°
355°

111mm

204mm

Ø65mm

90°
355°

Material: ADC12 Aluminum, PC chromed reflector ,copper cardan, 3-circuit adaptor

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Integral, constant current waterproof driver

Light Source: LED, 12~20W COB

Luminaire Power: 12W

Delivered lumen: 1000lm @ 3000K & Ra>90
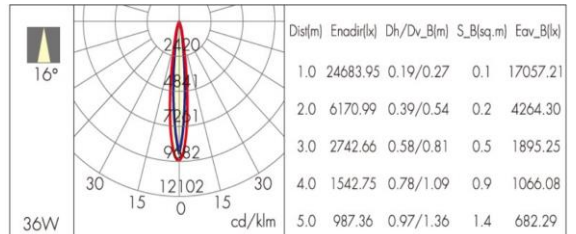   1100lm @ 3000K & Ra>80

Beam angle: 20°, 26° & 40°

Tilt angle: 90°

Rotation: 355°

Light distribution

0.8m
1.5m
1.5m
40°
26°
20°
2.8m

Intensity distribution

20°
12W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	6920.12	0.36/0.36	0.1	4555.66
2.0	1730.03	0.71/0.71	0.4	1138.91
3.0	768.90	1.07/1.07	0.9	506.18
4.0	432.51	1.42/1.43	1.6	284.73

1396
2793
1190
5587
30   30
15   0   15
6984
cd/klm

26°
12W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	5085.51	0.46/0.47	0.2	3155.28
2.0	1271.38	0.93/0.94	0.7	788.82
3.0	565.06	1.39/1.41	1.6	350.59
4.0	317.84	1.85/1.88	2.8	197.21

1083
2167
3250
4335
30   30
15   0   15
5418
cd/klm

40°
12W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	2840.60	0.74/0.75	0.4	1344.30
2.0	710.15	1.49/1.49	1.8	336.08
3.0	315.62	2.23/2.24	4.0	149.37
4.0	177.54	2.98/2.99	7.0	84.02

567
1135
1703
2271
30   30
15   0   15
2839
cd/klm

TRACK SERIES

LED Track Spotlight

Product No.: J2820

J2821-SM-8

J2821-TR-8
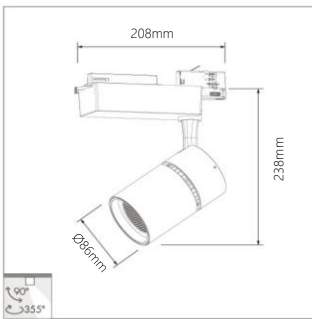
208mm

200mm

238mm

Ø86mm

Ø86mm

90°
355°

90°
355°

Material: ADC12 Aluminum, PC chromed reflector ,copper cardan, 3-circuit adaptor

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Integral, constant current waterproof driver

Light Source: LED, 16~28W COB

Luminaire Power: 20W

Delivered lumen: 1600lm @ 3000K & Ra>90
                 1760lm @ 3000K & Ra>80

Beam angle: 16°, 24°, 40°

Tilt angle: 90°

Rotation: 355°

Light distribution

0.8m

1.5m

1.5m

40°

24°

16°

2.8m

Intensity distribution

16° — 20W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	12064.11	0.28/0.28	0.1	7572.17
2.0	3016.03	0.57/0.57	0.3	1893.04
3.0	1340.46	0.85/0.85	0.6	841.35
4.0	754.01	1.13/1.13	1.0	473.26
5.0	482.56	1.42/1.42	1.6	302.89

18699
7739
5609
7079
9349
30   15   0   15   30
cd/klm

24° — 20W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	7956.49	0.41/0.41	0.1	4247.57
2.0	1989.12	0.81/0.81	0.5	1061.89
3.0	884.05	1.22/1.22	1.2	471.95
4.0	497.28	1.63/1.63	2.1	265.47
5.0	318.26	2.04/2.04	3.3	169.90

1283
2567
3851
5135
6419
30   15   0   15   30
cd/klm

40° — 20W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	4089.66	0.71/0.71	0.4	1718.51
2.0	1022.41	1.42/1.42	1.6	429.63
3.0	454.41	2.13/2.13	3.6	190.95
4.0	255.60	2.84/2.84	6.3	107.41
5.0	163.59	3.56/3.54	9.9	68.74

656
1312
1968
2624
3281
30   15   0   15   30
cd/klm

TRACK SERIES

LED Track Spotlight

Product No.: J2820

J2821-TR-8.5

Material: ADC12 Aluminum, PC chromed reflector ,copper cardan, 3-circuit adaptor

Finish: Electrostatic powder coating

☐ White ■ Black ■ Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Integral, constant current waterproof driver

Light Source: LED, 30~50W COB

Luminaire Power: 36W

Delivered lumen: 3200lm @ 3000K & Ra>90
3500lm @ 3000K & Ra>80

Beam angle: 16°, 22° & 36°

Tilt angle: 90°

Rotation: 355°

160mm

210mm

Ø95mm

90°
355°

Intensity distribution

Light distribution

0.8m
1.5m
1.5m
36°
22°
16°
2.8m

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
16°	1.0	24683.95	0.19/0.27	0.1	17057.21
	2.0	6170.99	0.39/0.54	0.2	4264.30
	3.0	2742.66	0.58/0.81	0.5	1895.25
	4.0	1542.75	0.78/1.09	0.9	1066.08
36W	5.0	987.36	0.97/1.36	1.4	682.29

2620
4341
7201
9632
12102
30 30
15 15
0
cd/klm

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
22°	1.0	16969.78	0.32/0.37	0.1	11578.23
	2.0	4242.44	0.64/0.75	0.4	2894.56
	3.0	1885.53	0.97/1.12	0.9	1286.47
	4.0	1060.61	1.29/1.49	1.7	723.64
36W	5.0	678.79	1.69/1.87	2.6	463.13

1508
3016
4524
6033
7541
30 30
15 15
0
cd/klm

	Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
36°	1.0	7965.85	0.57/0.63	0.3	4230.70
	2.0	1991.46	1.15/1.27	1.2	1057.68
	3.0	885.09	1.72/1.90	2.8	470.08
	4.0	497.87	2.29/2.53	5.0	264.42
36W	5.0	318.63	2.87/3.17	7.7	169.23

724
1448
2172
2896
3621
30 30
15 15
0
cd/klm

LINE-1 SERIES
LED Linear Luminaire

LINE-1 SERIES   Product No.: K3020

LED Linear Luminaire

Line-1 series of surface mounted luminaires consists of sturdy body in an aluminum alloy with a passivated natural finish. A frosted PMMA diffuser gives high strength and high transmission factor. An Ra>90 rating with high efficiency provides excellent performance and low glare. Three mounting options are available trim-less recessed, surface and pendant.

The luminaires are suitable for office areas, which has high requirements on illuminance and specified installation request, supermarkets, hospitals, exhibition halls, showrooms etc. available in 2 variants and in 3 different lengths.

K3020-A-1	K3020-A-2	K3020-A-3
P205	P205	P205

K3020-B-1	K3020-B-2	K3020-B-3
P205	P205	P205

IoT
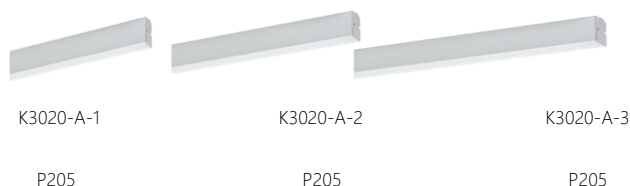
Excellent Thermal Management	Soft Light optics
Different colour temperatures	Multiple mounting options
Accessories for high visual comfort	Protection class IP20
NON DIMMABLE — Non dimmable	TRIAC DIMMING — TRIAC dimming
1-10V DIMMING — 1-10V dimming	DALI DIMMING — DALI dimming
PoE — Power over Ethernet	

LINE-1 SERIES

LED Linear Luminaire
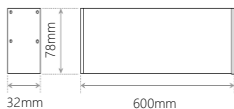
K3020-A-1

78mm
32mm   600mm

K3020-A-2

78mm
32mm   1200mm

K3020-A-3

78mm
32mm   1600mm

Material: Aluminum alloy, PMMA diffuser

Finish: Passivated aluminum finish

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Integral, constant current

Light Source: LED, SMD

Luminaire Power:
K3020-A-1 14W
K3020-A-2 28W
K3020-A-2 42W

Delivered lumen:
1000lm @ 3000K & Ra>90
2000lm @ 3000K & Ra>90
3000lm @ 3000K & Ra>90
1100lm @ 3000K & Ra>80
2200lm @ 3000K & Ra>80
3300lm @ 3000K & Ra>80

Mount: Trim-less recessed, Surface mount, Pendant mount
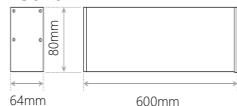
Intensity distribution

K3020-A-2

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	526.86	2.71/2.88	6.4	90.79
2.0	131.71	5.42/5.77	25.4	22.70
3.0	58.54	8.13/8.65	57.2	10.09
4.0	32.93	10.84/11.53	101.6	5.67
5.0	21.07	13.55/14.41	158.8	3.63

110°
82
165
248
330
30   413   30
15   0   15
28W   cd/klm

K3020-B-1

80mm
64mm   600mm

K3020-B-2

80mm
64mm   1200mm

K3020-B-3

80mm
64mm   1600mm

Material: Aluminum alloy, PMMA diffuser

Finish: Passivated aluminum finish

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Integral, constant current

Light Source: LED, SMD

Luminaire Power:
K3020-B-1 20W
K3020-B-2 40W
K3020-B-2 60W

Delivered lumen:
1600lm @ 3000K & Ra>90
3200lm @ 3000K & Ra>90
4800lm @ 3000K & Ra>90
1760lm @ 3000K & Ra>80
3520lm @ 3000K & Ra>80
5280lm @ 3000K & Ra>80

Mount: Trim-less recessed, Surface mount, Pendant mount

Intensity distribution

K3020-B-2

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	5605.44	2.43/2.27	4.4	293.47
2.0	350.34	4.86/4.55	17.6	73.37
3.0	155.71	7.29/6.82	39.7	32.61
4.0	87.58	9.72/9.10	70.6	18.34
5.0	56.05	12.15/11.37	110.3	11.74

100°
95
190
286
381
30   477   30
15   0   15
40W   cd/klm

LINE-2 SERIES
LED Linear Luminaire

LINE-2 SERIES   Product No.: L3120

LED Linear Luminaire

Line-2 series of surface mounted luminaires consists of sturdy body in an aluminum alloy with electrostatic powder coated finish. PC optical lens and PET reflector provides superior anti-glare effect and uniform illuminance, combined with high CRI & high lumen chips. Adjustable light head with three mounting options are available track, surface and pendant.

The luminaires are suitable for areas, which has high requirements on illuminance and wall washing requirements like, supermarkets, exhibition halls, galleries, showrooms etc.

L3120-1   L3120-2
P208   P208

	Excellent Thermal Management		Multiple mounting options		Non dimmable		DALI dimming
	Soft Light optics		Accessories for high visual comfort		TRIAC dimming		Tilt
	Different colour temperatures		Protection class IP20		1-10V dimming		Power over Ethernet

LINE-2 SERIES

LED Linear Luminaire

Product No.: .: L3120

L3120-1

44mm 500mm

L3120-2

44mm 1000mm

Material: Aluminum alloy, PC lens, PET reflector

Finish: Electrostatic powder coating,

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Integral, constant current

Light Source: LED, SMD

Luminaire Power:
L3120-1 36W
L3120-2 72W

Delivered lumen:
3000lm @ 3000K & Ra>90
6000lm @ 3000K & Ra>90
3300lm @ 3000K & Ra>90
6600lm @ 3000K & Ra>90

Mount: Track mount, Surface mount & Pendant mount

Intensity distribution

L3120-1

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	446.49	2.77/2.89	8.7	116.39
4.0	1116.62	5.55/5.79	34.9	29.10
6.0	49.61	8.32/8.68	78.6	12.93
8.0	27.91	11.10/11.58	139.7	7.27
10.0	17.86	13.87/14.47	218.3	4.66

70° 36W cd/klm

L3120-2

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	1108.31	2.72/2.69	6.6	321.38
4.0	277.08	5.44/5.38	26.6	80.34
6.0	123.15	8.16/8.07	59.8	35.71
8.0	69.27	10.88/10.76	106.4	20.09
10.0	44.33	13.60/13.46	166.2	12.86

70° 72W cd/klm
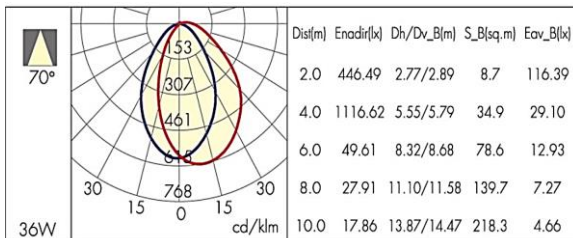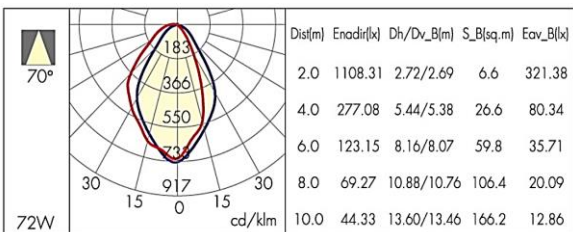
LINE-3 SERIES
LED Damp Proof Linear Luminaire

Product No.: M3220

LINE-3 SERIES

Product No.: M3220

LED Damp Proof Linear Luminaire

Line-3 series of surface mounted luminaires consists of sturdy body in an aluminum alloy with electrostatic powder coated finish. PC optical lens and PET reflector provides superior anti-glare effect and uniform illuminance, combined with high CRI & high lumen chips. Adjustable light head with three mounting options are available track, surface and pendant.

The luminaires are suitable for areas, which has high requirements on illuminance and wall washing requirements like, supermarkets, exhibition halls, galleries, showrooms etc.

M3220-D	M3220-E	M3220-F	M3220-G	M3220-AW
P211	P211	P211	P211	P211

IoT

Excellent Thermal Management	Multiple mounting options	Non dimmable (NON DIMMABLE)	DALI dimming (DALI DIMMING)
Soft Light optics	Accessories for high visual comfort	TRIAC dimming (TRIAC DIMMING)	Power over Ethernet (PoE)
Different colour temperatures	Protection class IP44	1-10V dimming (1-10V DIMMING)	

LINE-3 SERIES

LED Damp Proof Linear Luminaire

Product No.: M3220

M3220-D / M3220-E / M3220-F / M3220-G / M3220-AW

70mm
60mm
1200mm

Intensity distribution

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	6783.48	0.61/1.28	0.6	2847.42
1.4	3460.96	0.86/1.79	1.2	1452.77
1.8	2093.67	1.10/2.30	2.03	878.83
2.2	1401.55	1.35/2.81	3.0	588.31
2.6	1003.47	1.59/3.32	4.2	421.22

30°x65° 60W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	1105.83	2.60/2.81	6.8	343.04
4.0	276.46	5.20/5.61	27.4	85.76
6.0	122.87	7.80/8.42	61.6	38.12
8.0	69.11	10.40/11.22	109.5	21.44
10.0	44.23	13.01/14.03	171.1	13.72

60°x65° 60W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	845.25	3.65/3.66	13.9	199.51
4.0	211.31	7.30/7.31	55.4	49.88
6.0	93.92	10.95/10.97	124.7	22.17
8.0	52.83	14.60/14.62	221.7	12.47
10.0	33.81	18.25/18.28	346.3	7.98

85°x85° 60W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	2394.63	1.39/1.31	1.7	1134.25
1.4	1221.75	1.95/1.83	3.4	578.70
1.8	739.08	2.50/2.36	5.6	350.08
2.2	494.76	3.06/2.88	8.4	234.35
2.6	354.24	3.61/3.41	11.8	167.79

2-30°x65° 60W

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
2.0	532.80	2.75/3.79	11.8	186.37
4.0	133.20	5.50/7.58	47.3	46.59
6.0	59.20	8.25/11.38	106.3	20.71
8.0	33.30	11.00/15.17	189.0	11.65
10.0	21.31	13.75/18.96	295.3	7.45

2-45°x65° 60W

Material: Aluminum alloy, PC lens, PET reflector

Finish: Electrostatic powder coating

White   Black   Grey

CCT: 3000K, 4000K & 5000K

Ra: >80 (Standard). >90 (Optional)

Driver: Integral, constant current

Light Source: LED, SMD

Luminaire Power:
M3220-D 60W, 5850lm @ 3000K & Ra>90
M3220-E 60W, 6100lm @ 3000K & Ra>90
M3220-F 60W, 6300lm @ 3000K & Ra>90
M3220-G 60W, 5600lm @ 3000K & Ra>90
M3220-AW 60W, 6100lm @ 3000K & Ra>90
M3220-D 60W, 6435lm @ 3000K & Ra>80
M3220-E 60W, 6710lm @ 3000K & Ra>80
M3220-F 60W, 6930lm @ 3000K & Ra>80
M3220-G 60W, 6160lm @ 3000K & Ra>80
M3220-AW 60W, 6710lm @ 3000K & Ra>80

Mount: Track mount, Surface mount & Pendant mount

Light Distribution
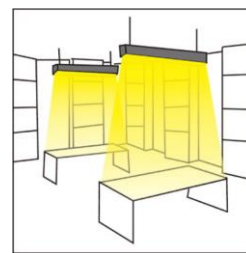
30° x 65°
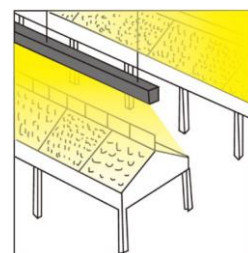
60° x 65°
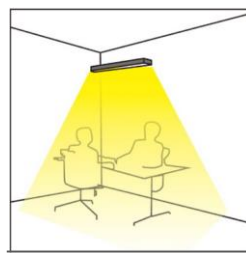
85° x 85°
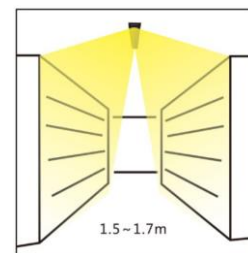
1.5~1.7m
2 - 30° x 65°
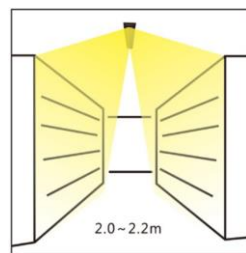
2.0~2.2m
2 - 45° x 65°

LINE-3 SERIES

Product No.: M3220

LED Damp Proof Linear Luminaire
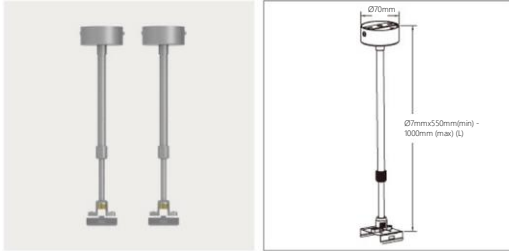
Mounting

Pendant Mounting

- Adjustable Hanger Rod
- Electrostatic Powder Coating
- Canopy Size: Ø 70mmx30mm (H)
- Rod Size: Ø7mmx550mm(min) -1000mm (max) (L)
- Stainless Steel Clip
- Load: ≥15kg
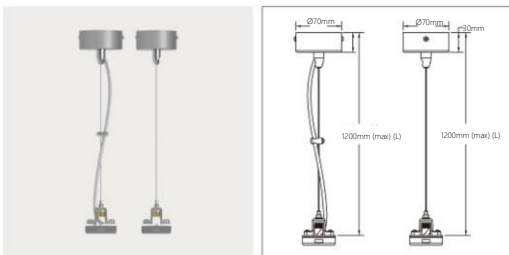
Adjustable Wire Rope

- Electrostatic Powder Coating + Nickel Plating
- Canopy Size: Ø 70mmx30mm (H)
- Wire Rope Size: Ø1.5mmx1200mm (L)
- PVC Cable: 3mmx0.75mmx1500mm (L)
- Stainless Steel Clip
- Load: ≥15kg
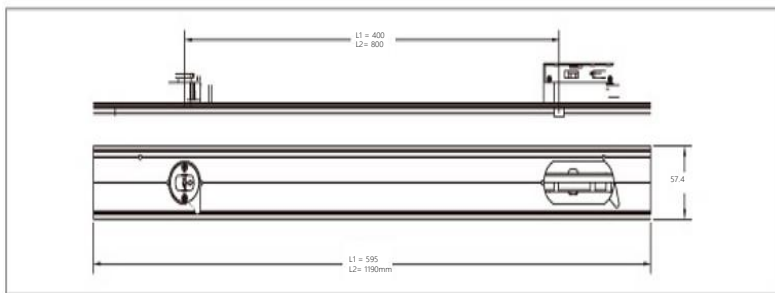
Track Mounting

- Back Plate and Adaptor
- Material: Aluminium and PC
- Optional Back Plate Length: 600mm / 1200mm (L)
- 3-Circuit Adaptor and Connector
- Load: ≥10kg.

LINE-3 SERIES

Product No.: M3220

LED Damp Proof Linear Luminaire
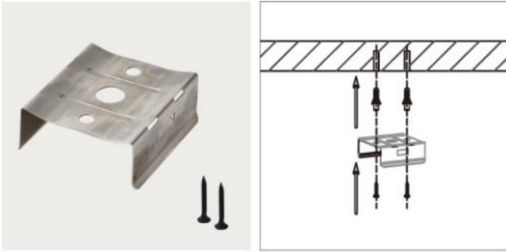
Fixing Clip

- With two screws
- Spring Steel, galvanized
- 50mmx60mmx20mm (LxWxH)
- Load: 20kg.
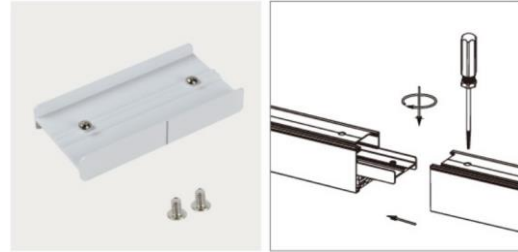
I-Connector

- With two screws
- Aluminium and Powder-coated
- 120mmx57mmx20mm (LxWxH)
- Load: 20kg.
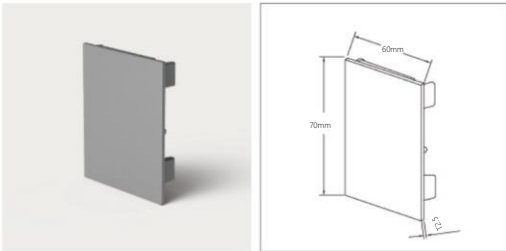
End Cap

- Die-casting Aluminium, Electrostatic Powder Coating
- Size: 60mmx70mmx2.5 (WxHxT)
- Including Fixing Screws

Canopy

- Cool Rolled Steel
- Electrostatic Powder Coating
- Size: Ø70mmx40mm (H)
- Including Back Plate and Fixing Screws
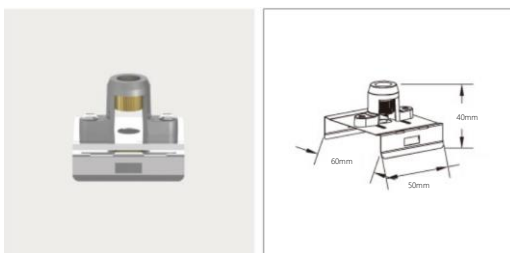
Pendant Holder

- Aluminium Alloy Holder & Stainless Steel Clip
- Electrostatic Powder Coating
- Size: 50mmx60mmx20mm (LxWxH)
- Load: ≥20kg.

PVC Cable

- 3mmx0.75mmx1500m (L)
- Certificates: CCC/VDE/CE

CONNECTED LIGHTING SOLUTIONS! DELIVERING VALUE BEYOND LIGHT!

Connected Lighting Systems enable smart solutions that provide insights and data helping make businesses more profitable. Cities, Municipalities and facility owners are looking at connected lighting solutions that helps them use spaces wisely, enabling sustainable urban development, energy savings , smart mobility, space management and asset tracking solutions through data garnered by various purpose provided sensor networks that integrate and communicate with each other seamlessly using the lighting network infrastructure.

RUUD Lighting Arabia in association with select technology partners provide connected lighting solutions in both the indoor and outdoor lighting spaces.
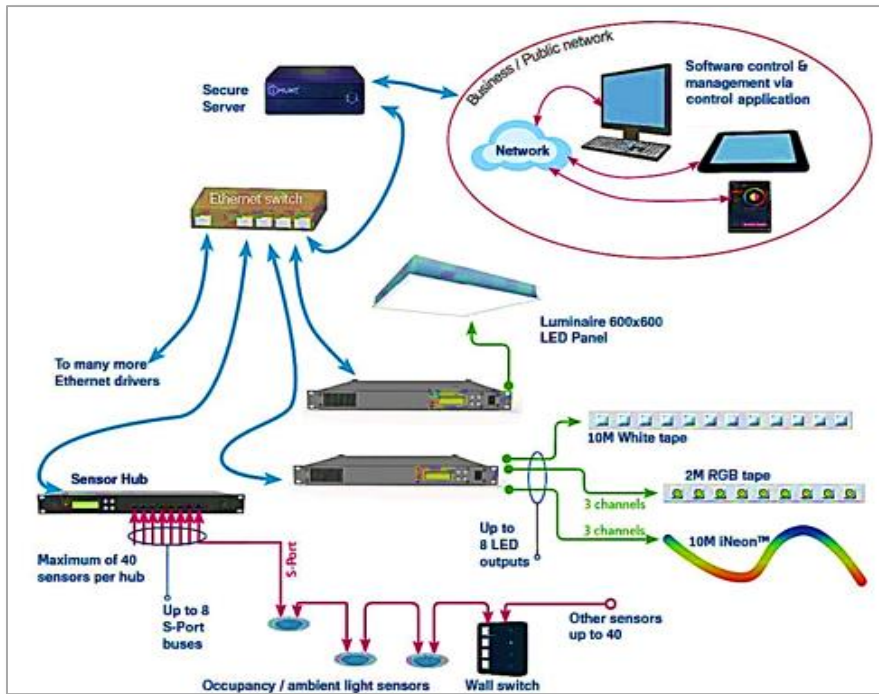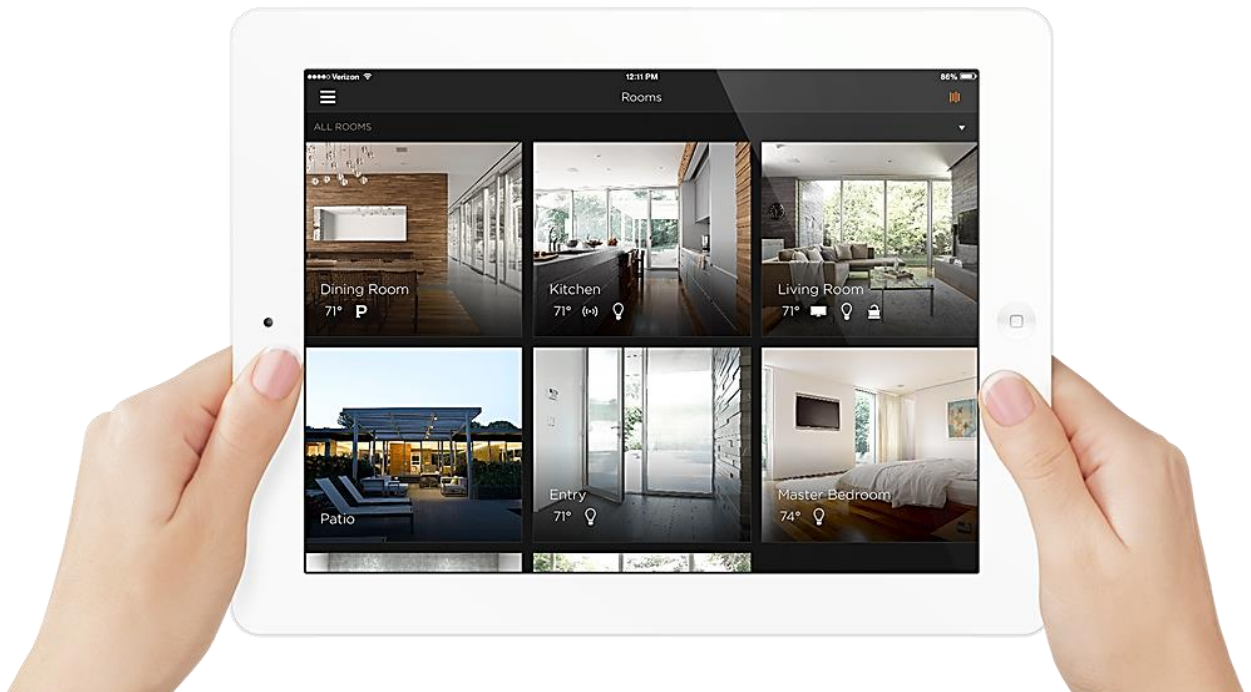
Indoor Lighting:

Wireless Fidelity (WiFi) systems has permeated nearly all facets of human society and is widely in use today. It enables data transfer using the radio spectrum. On the other hand, Light Fidelity (LiFi) is an emerging technology that utilizes Visible Light Communication (VLC) instead of Radio Waves to transmit data. Since it offer greater benefits in terms of security, data transfer speeds and greatly increased bandwidths in conjunction with existing installed WiFi technology, it is expected to go main stream soon.

RUUD Lighting Arabia is assisting customers design infrastructure for a Li-Fi technology ready facility. Using patented remote driver rack systems and structured data cabling networks for Power over Ethernet (POE) based lighting systems, RUUD Lighting Arabia is pioneering the use of such lighting networks enabling substantial savings in operation and maintenance costs, while having a LiFi ready lighting network. The unique patented technology solution offered by RUUD Lighting Arabia, enables the integration of any LED based Luminaire to a connected POE lighting network, regardless of the nature of application or type of luminaire. In conjunction with sensors like temperature, CO2, Motion, Daylight, Bluetooth beacons etc, RUUD offers solutions that optimize the use of energy, space management, asset tracking and management and interconnectivity between devices enabling the Internet of Things (IoT)

PUBLIC REALM LIGHTING

RUUD Lighting along with our technology partners provide solutions for connected lighting networks for street and outdoor lighting infrastructure. Based on devices operating within the LoRa Alliance Networks, we offer solutions for Low Power Wide Area Network Solutions (LPWAN) through the deployment of LoRaWAN based solutions which is one of the fastest growing technology alliance globally.

LoRaWAN solutions enables open communications with other networks compliant to the TALQ Smart City protocols. RUUD Lighting Arabia provides lighting network solutions that enables substantial benefits featuring Central Management, Dimming, Scheduling, Dynamic dimming, Central Monitoring, Fault reporting, Energy reporting and Remote Control of the entire lighting network for cities and municipalities. This in conjunction with applicable sensors and sensor networks enable a whole range of Smart City services to be enabled with opportunities including but not limited to Parking Management, Air Quality Monitoring, Weather based responses, Smart Irrigation Systems, Smart Garbage collection, Pest Control Systems etc.

RUUD Lighting Arabia provides advisory services and enables deployment of the lighting network infrastructure.

Our commitment to providing our customers with cutting edge technology solutions remains unwavering. Having pioneered the use of Solid State Light sources for outdoor lighting in the region in the past and with engineered solutions for connected lighting systems for facilities and public realm in the present, RUUD Lighting Arabia's commitment remains unwavering!

ALPHABETICAL PRODUCT INDEX
APPLICATION LUMINAIRES – INDOOR & OUTDOOR

ALPHABETICAL PRODUCT INDEX
SPECIFICATION DOWNLIGHT, LINEAR & TRACK LUMINAIRES

DISCLAIMER

All product, product specifications and data are subject to change without notice to improve reliability, function or design or otherwise. All reasonable efforts have been made to ensure the accuracy of the information, This catalogue is a summary only of the products offered and is not legally binding.

The specification sheet of this product is available on request for a complete guide on ordering information and other options. Contact your nearest Ruud Sales Office.

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